

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070424.D
 Acq On : 31 Dec 2021 3:29
 Operator : JC/MD
 Sample : M5179-04MEMSD
 Misc : 7.37g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMEMSD

Quant Time: Dec 31 06:36:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 01/03/2022
 Supervised By :mohammad ahmed 01/03/2022

01/03/2022
 Supervised By :mohammad
 ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.083	168	1620422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2718918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2919653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1166572	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	734422	31.522	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	63.040%
35) Dibromofluoromethane	8.018	113	528758	32.142	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	64.280%#
50) Toluene-d8	10.440	98	2205089	32.812	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	65.620%
62) 4-Bromofluorobenzene	12.731	95	839881	34.602	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	69.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.067	85	903871	49.186	ug/l	99
3) Chloromethane	2.298	50	1193408	47.741	ug/l	99
4) Vinyl Chloride	2.445	62	1107201	48.648	ug/l	99
5) Bromomethane	2.813	94	412806	35.141	ug/l	99
6) Chloroethane	2.947	64	640239	46.712	ug/l	97
7) Trichlorofluoromethane	3.330	101	1241445	45.319	ug/l	99
8) Diethyl Ether	3.813	74	625263	51.777	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.181	101	846775	50.539	ug/l	95
10) Methyl Iodide	4.398	142	1179438	52.015	ug/l	98
11) Tert butyl alcohol	5.417	59	1200185	309.380	ug/l	100
12) 1,1-Dichloroethene	4.154	96	816036	49.447	ug/l	90
13) Acrolein	4.033	56	796208	252.954	ug/l	100
14) Allyl chloride	4.822	41	2028863	54.223	ug/l #	83
15) Acrylonitrile	5.554	53	3767460	311.216	ug/l	99
16) Acetone	4.291	43	3226396	213.324	ug/l	99
17) Carbon Disulfide	4.505	76	2314236	51.372	ug/l	100
18) Methyl Acetate	4.851	43	2527483	57.771	ug/l	91
19) Methyl tert-butyl Ether	5.615	73	3234620	52.777	ug/l	94
20) Methylene Chloride	5.082	84	1042554	49.822	ug/l #	86
21) trans-1,2-Dichloroethene	5.583	96	870549	49.821	ug/l #	84
22) Diisopropyl ether	6.498	45	3990618	54.757	ug/l #	90
23) Vinyl Acetate	6.431	43	15846784m	280.254	ug/l	
24) 1,1-Dichloroethane	6.380	63	1934278	51.187	ug/l	98
25) 2-Butanone	7.340	43	5632125	295.751	ug/l	91
26) 2,2-Dichloropropane	7.321	77	1090062	36.566	ug/l	99
27) cis-1,2-Dichloroethene	7.321	96	1092317	52.390	ug/l	89
28) Bromochloromethane	7.656	49	922148	49.898	ug/l #	75
29) Tetrahydrofuran	7.686	42	3577921	314.902	ug/l #	86
30) Chloroform	7.815	83	1838367	50.428	ug/l	100
31) Cyclohexane	8.091	56	1887914	51.350	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	1545973	50.295	ug/l	96
36) 1,1-Dichloropropene	8.220	75	1386910	50.963	ug/l	96
37) Ethyl Acetate	7.415	43	2082441	59.034	ug/l	97
38) Carbon Tetrachloride	8.201	117	1309264	50.383	ug/l	100
39) Methylcyclohexane	9.459	83	1742752	52.896	ug/l	88
40) Benzene	8.458	78	4307999	51.635	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.638	41	1120955	63.532	ug/l	#	86
42) 1,2-Dichloroethane	8.528	62	1539986	49.107	ug/l		99
43) Isopropyl Acetate	8.563	43	3302918	59.388	ug/l	#	94
44) Trichloroethene	9.215	130	1002512	50.570	ug/l		92
45) 1,2-Dichloropropane	9.488	63	1209510	53.843	ug/l		100
46) Dibromomethane	9.577	93	730728	52.313	ug/l		94
47) Bromodichloromethane	9.762	83	1539155	55.493	ug/l		99
48) Methyl methacrylate	9.561	41	1692733	63.809	ug/l	#	81
49) 1,4-Dioxane	9.574	88	522221	1344.812	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.333	43	11729640	335.645	ug/l		97
52) Toluene	10.505	92	2777431	54.998	ug/l		98
53) t-1,3-Dichloropropene	10.719	75	1737820	57.877	ug/l		99
54) cis-1,3-Dichloropropene	10.188	75	1781918	54.860	ug/l		95
55) 1,1,2-Trichloroethane	10.899	97	1151690	57.639	ug/l		96
56) Ethyl methacrylate	10.762	69	2194876	66.480	ug/l	#	89
57) 1,3-Dichloropropane	11.046	76	2035579	57.598	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.041	63	2733326	318.627	ug/l		90
59) 2-Hexanone	11.089	43	8132458	319.112	ug/l		94
60) Dibromochloromethane	11.240	129	1219132	62.535	ug/l		100
61) 1,2-Dibromoethane	11.347	107	1205560	59.421	ug/l		99
64) Tetrachloroethene	10.977	164	1102871	52.164	ug/l		96
65) Chlorobenzene	11.771	112	3149939	50.847	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.843	131	1119630	50.626	ug/l		99
67) Ethyl Benzene	11.846	91	5920182	52.158	ug/l		96
68) m/p-Xylenes	11.953	106	4414497	106.847	ug/l		94
69) o-Xylene	12.280	106	2214943	53.897	ug/l		94
70) Styrene	12.294	104	3559097	54.720	ug/l		96
71) Bromoform	12.460	173	913860	55.679	ug/l	#	100
73) Isopropylbenzene	12.578	105	5757531	53.146	ug/l		98
74) N-amyl acetate	12.390	43	2681041	58.859	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.827	83	1725755	48.433	ug/l		99
76) 1,2,3-Trichloropropane	12.881	75	1656794m	48.083	ug/l		
77) Bromobenzene	12.862	156	1216438	48.909	ug/l		76
78) n-propylbenzene	12.921	91	6608040	55.053	ug/l		96
79) 2-Chlorotoluene	13.007	91	3828089	49.705	ug/l		93
80) 1,3,5-Trimethylbenzene	13.061	105	4625448	53.280	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.626	75	512213	53.645	ug/l		96
82) 4-Chlorotoluene	13.106	91	3693789	51.202	ug/l		92
83) tert-Butylbenzene	13.323	119	3970198	51.937	ug/l		94
84) 1,2,4-Trimethylbenzene	13.369	105	4541356	54.326	ug/l		98
85) sec-Butylbenzene	13.500	105	5634473	54.291	ug/l		97
86) p-Isopropyltoluene	13.616	119	4433135	54.378	ug/l		97
87) 1,3-Dichlorobenzene	13.616	146	2106121	50.584	ug/l		97
88) 1,4-Dichlorobenzene	13.696	146	2065736	50.297	ug/l		97
89) n-Butylbenzene	13.943	91	3931571	57.817	ug/l		97
90) Hexachloroethane	14.211	117	801038	56.559	ug/l		91
91) 1,2-Dichlorobenzene	13.989	146	2038214	49.936	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	378361	60.290	ug/l		81
93) 1,2,4-Trichlorobenzene	15.262	180	1100713	57.233	ug/l		98
94) Hexachlorobutadiene	15.370	225	574182	51.370	ug/l		98
95) Naphthalene	15.507	128	3296113	61.581	ug/l		100
96) 1,2,3-Trichlorobenzene	15.700	180	1068805	57.966	ug/l		98

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APPROVED

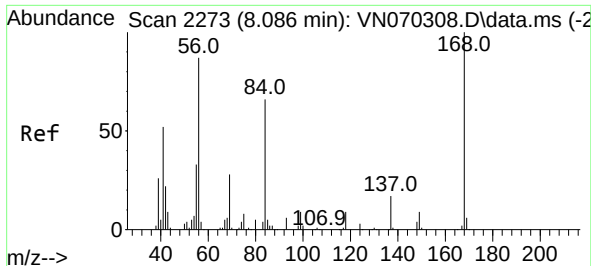
Reviewed By :Amit Patel 01/03/2022
 Supervised By :mohammad ahmed 01/03/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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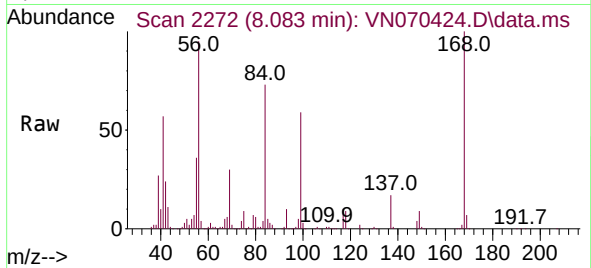
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
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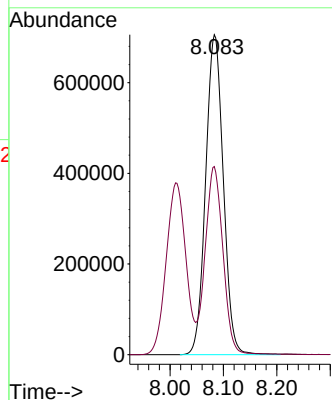
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ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion:168 Resp: 162042
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9

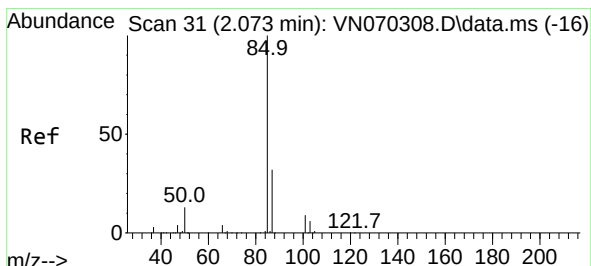
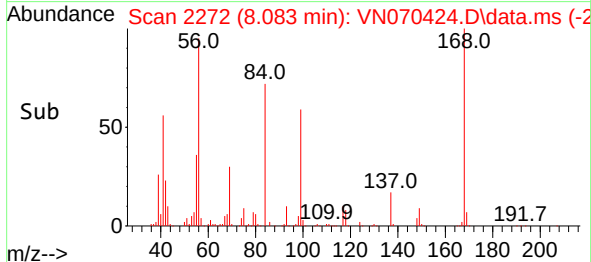
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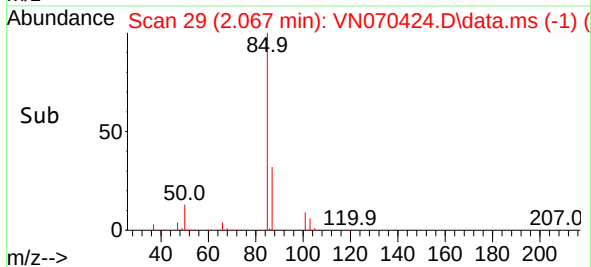
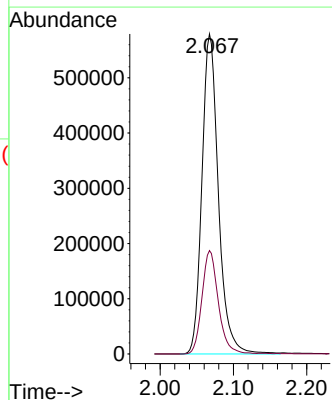
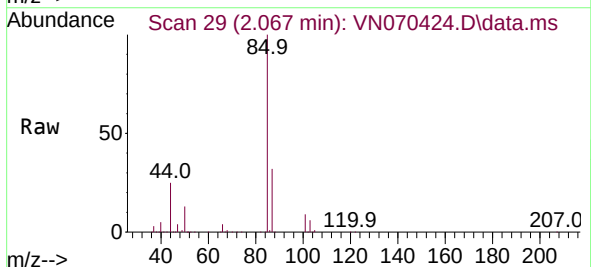
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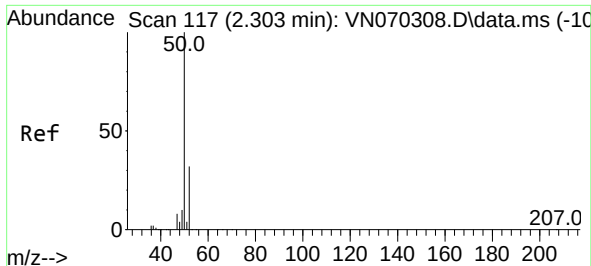
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#2
Dichlorodifluoromethane
Concen: 49.186 ug/l
RT: 2.067 min Scan# 29
Delta R.T. -0.006 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

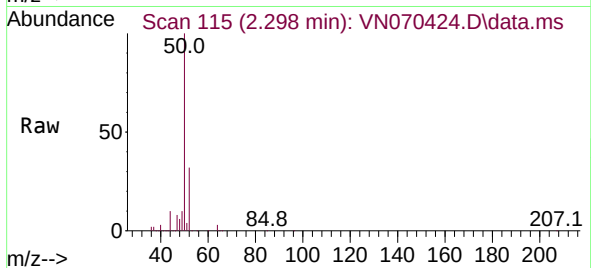
Tgt Ion: 85 Resp: 903871
Ion Ratio Lower Upper
85 100
87 32.3 16.3 48.9





#3
Chloromethane
Concen: 47.741 ug/l
RT: 2.298 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

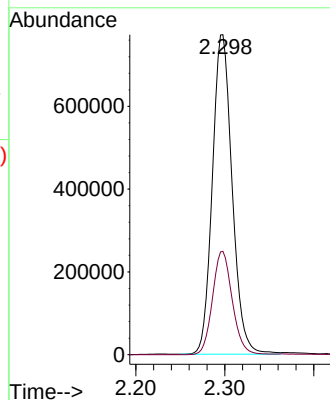
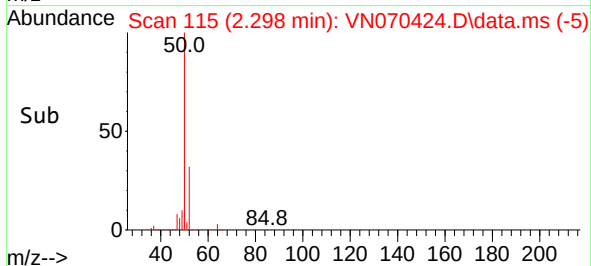
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 50 Resp: 1193408
Ion Ratio Lower Upper
50 100
52 32.4 25.4 38.0

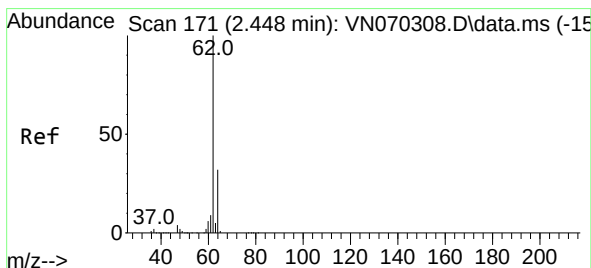
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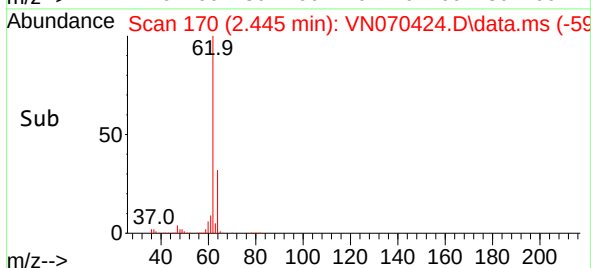
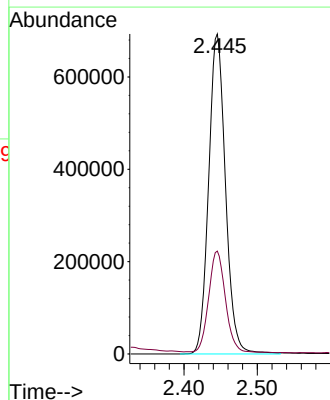
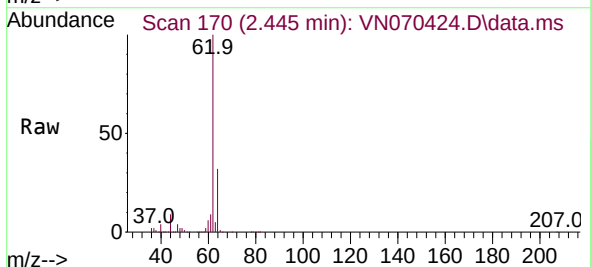
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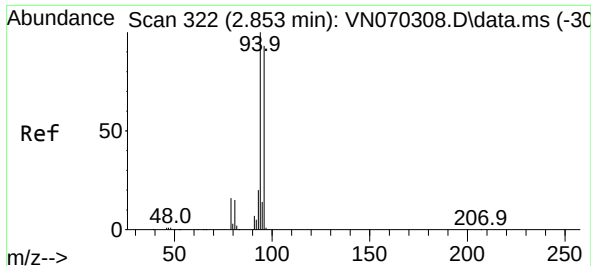
01/03/2022



#4
Vinyl Chloride
Concen: 48.648 ug/l
RT: 2.445 min Scan# 170
Delta R.T. -0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

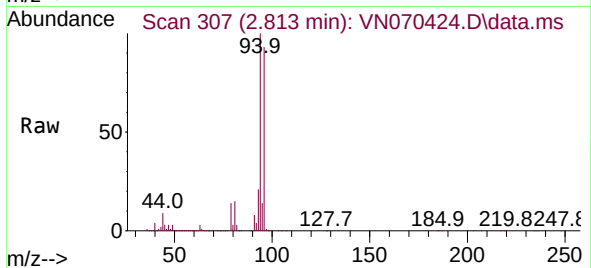
Tgt Ion: 62 Resp: 1107201
Ion Ratio Lower Upper
62 100
64 31.7 25.8 38.6





#5
Bromomethane
Concen: 35.141 ug/l
RT: 2.813 min Scan# 307
Delta R.T. -0.040 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

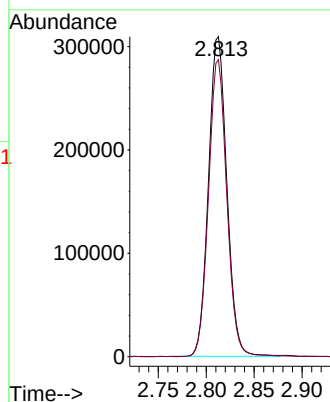
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 94 Resp: 412800
Ion Ratio Lower Upper
94 100
96 92.8 73.8 110.8

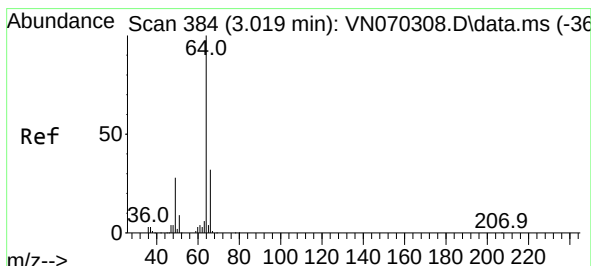
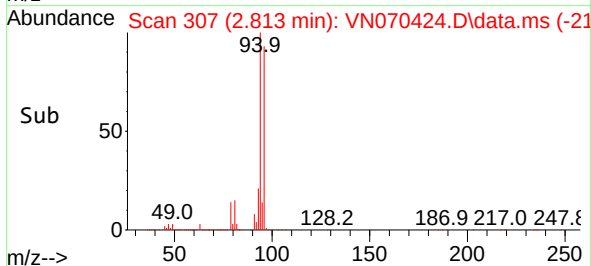
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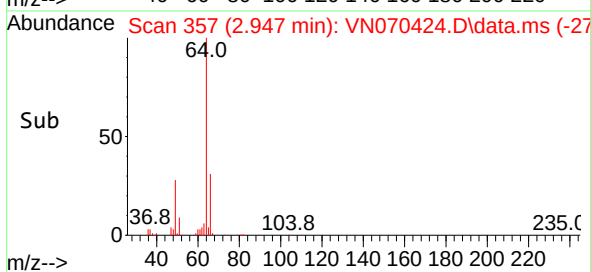
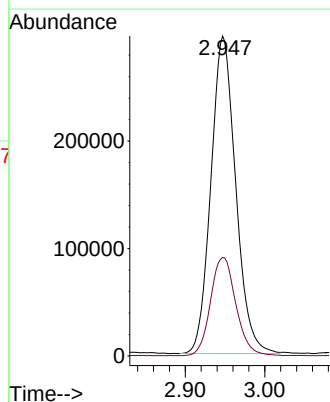
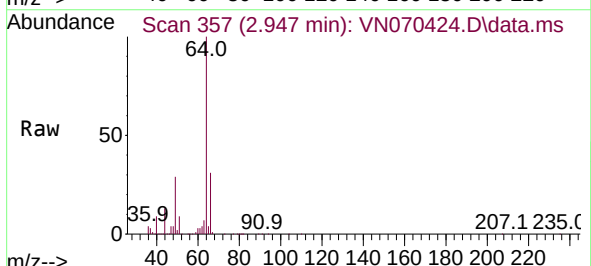
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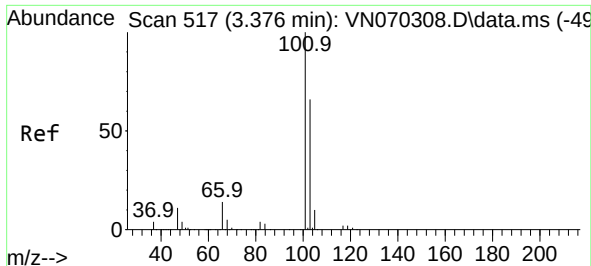
01/03/2022



#6
Chloroethane
Concen: 46.712 ug/l
RT: 2.947 min Scan# 357
Delta R.T. -0.072 min
Lab File: VN070424.D
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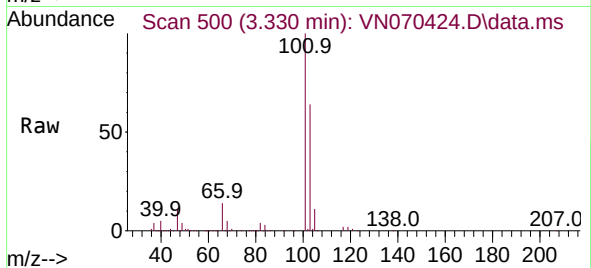
Tgt Ion: 64 Resp: 640239
Ion Ratio Lower Upper
64 100
66 30.9 26.3 39.5





#7
 Trichlorofluoromethane
 Concen: 45.319 ug/l
 RT: 3.330 min Scan# 501
 Delta R.T. -0.046 min
 Lab File: VN070424.D
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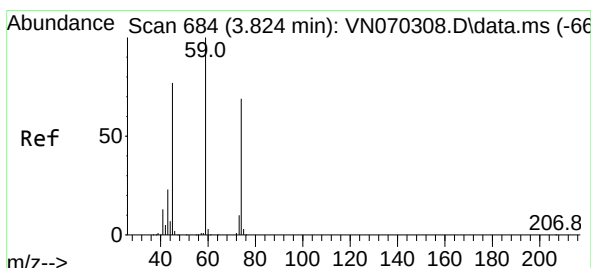
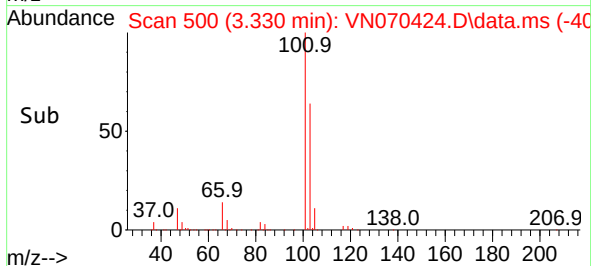
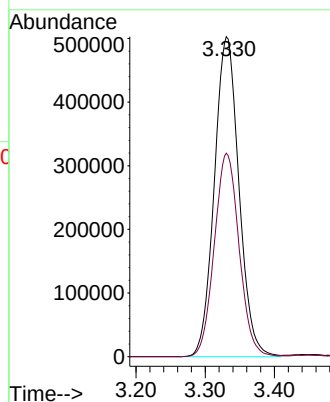
Tgt Ion:101 Resp: 124144
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.1 75.1

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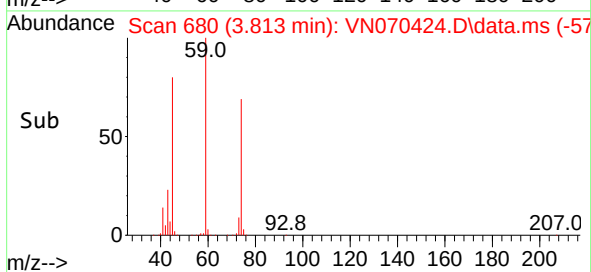
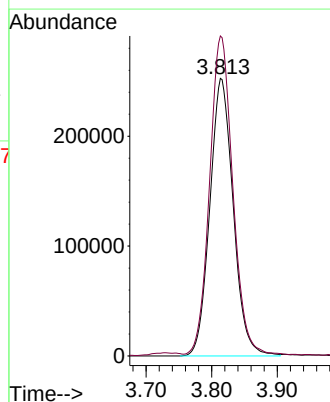
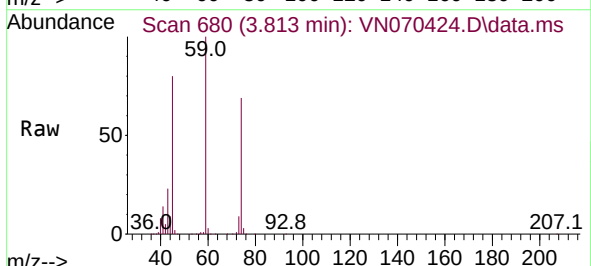
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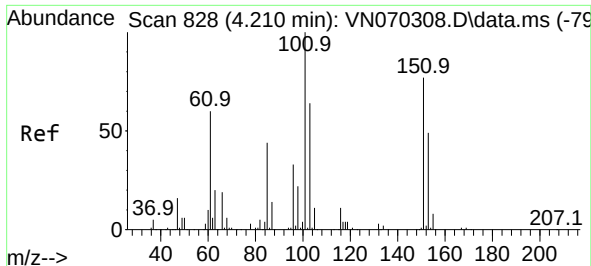
01/03/2022



#8
 Diethyl Ether
 Concen: 51.777 ug/l
 RT: 3.813 min Scan# 680
 Delta R.T. -0.011 min
 Lab File: VN070424.D
 Acq: 31 Dec 2021 3:29

Tgt Ion: 74 Resp: 625263
 Ion Ratio Lower Upper
 74 100
 45 113.3 47.0 141.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.539 ug/l
RT: 4.181 min Scan# 817
Delta R.T. -0.029 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMSD

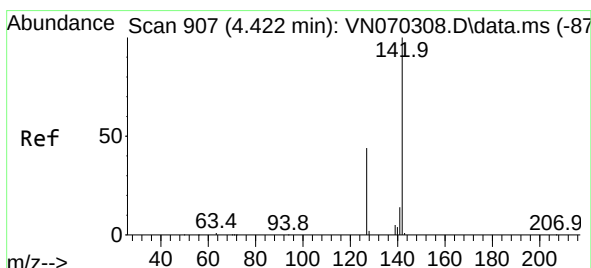
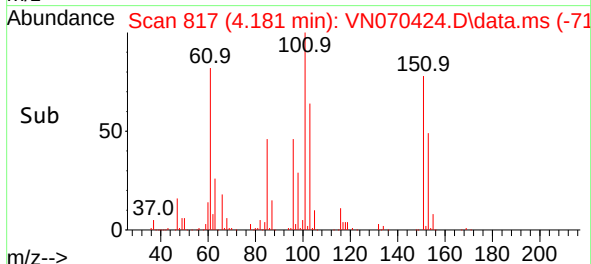
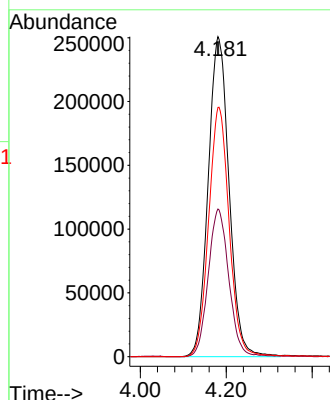
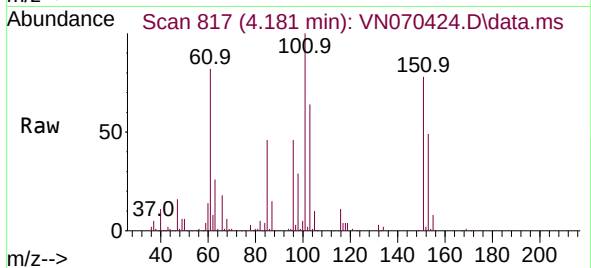
Tgt Ion:101 Resp: 846775
Ion Ratio Lower Upper
101 100
85 45.1 37.2 55.8
151 76.6 65.9 98.9

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Supervised By :mohammad ahmed 01/03/2022

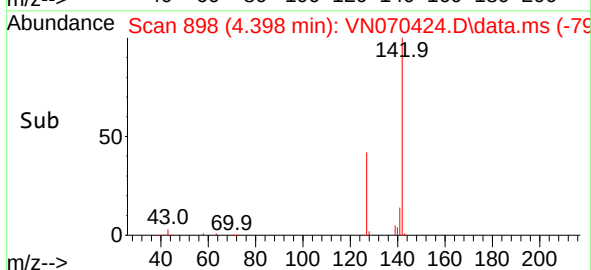
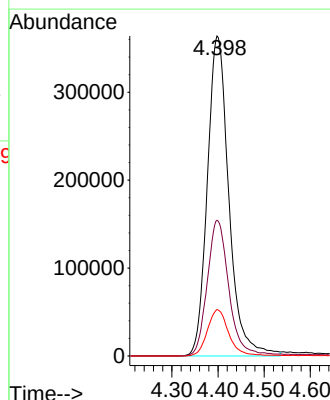
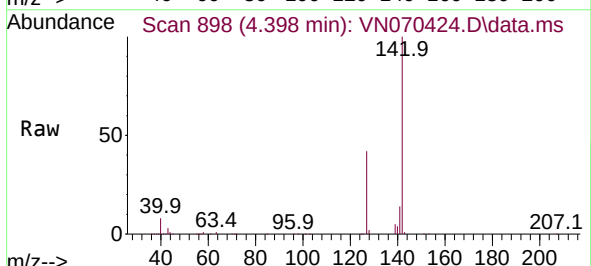
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Supervised By :mohammad
ahmed

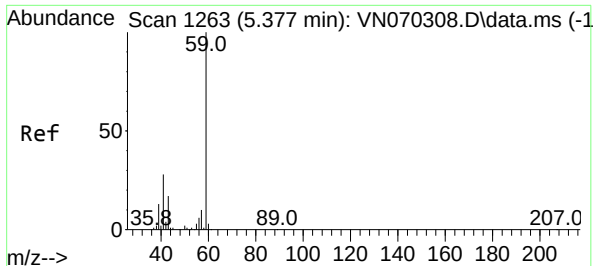
01/03/2022



#10
Methyl Iodide
Concen: 52.015 ug/l
RT: 4.398 min Scan# 898
Delta R.T. -0.024 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

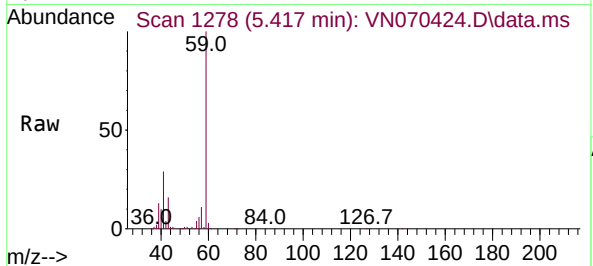
Tgt Ion:142 Resp: 1179438
Ion Ratio Lower Upper
142 100
127 42.2 35.4 53.0
141 14.3 11.6 17.4





#11
Tert butyl alcohol
Concen: 309.380 ug/l
RT: 5.417 min Scan# 11
Delta R.T. 0.040 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

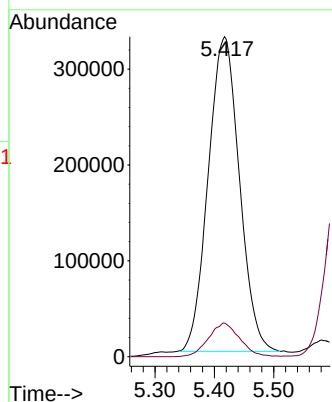
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 59 Resp: 120018
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

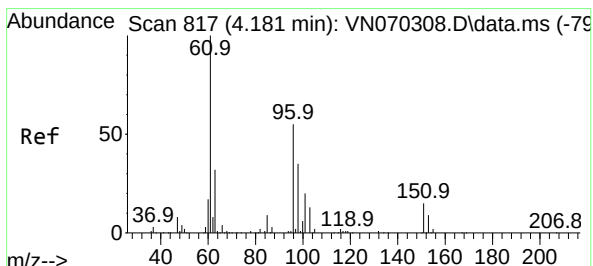
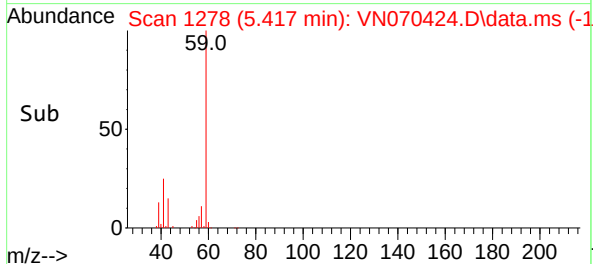
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Supervised By :mohammad ahmed 01/03/2022



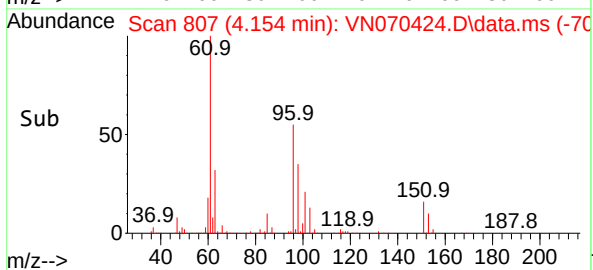
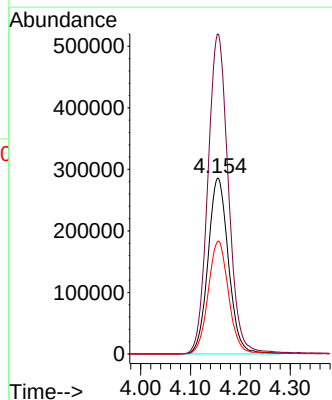
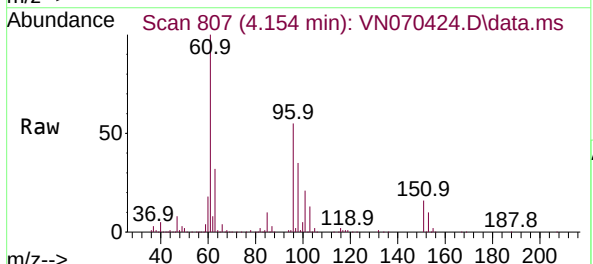
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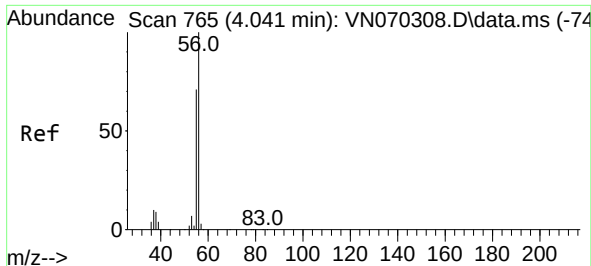
01/03/2022



#12
1,1-Dichloroethene
Concen: 49.447 ug/l
RT: 4.154 min Scan# 807
Delta R.T. -0.027 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Tgt Ion: 96 Resp: 816036
Ion Ratio Lower Upper
96 100
61 182.0 131.0 196.6
98 63.9 52.4 78.6





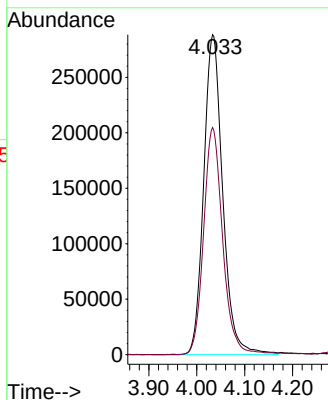
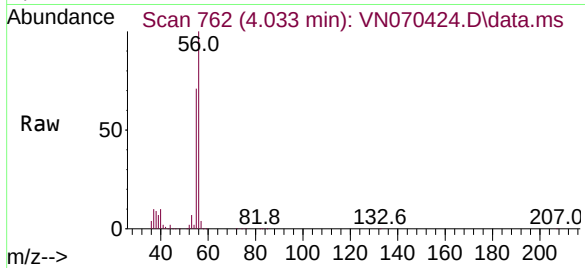
#13
Acrolein
Concen: 252.954 ug/l
RT: 4.033 min Scan# 70
Delta R.T. -0.008 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD

Tgt Ion: 56 Resp: 796208
Ion Ratio Lower Upper
56 100
55 70.8 56.6 85.0

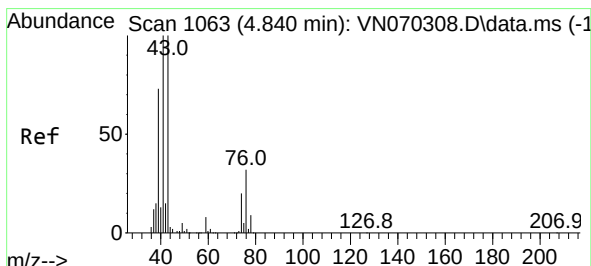
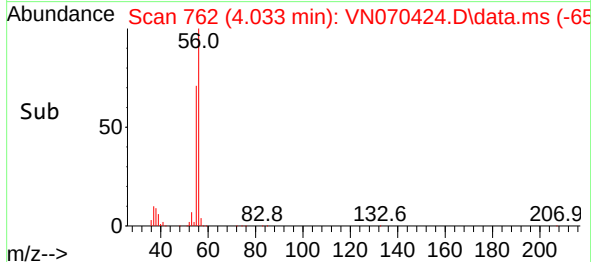
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Supervised By :mohammad ahmed 01/03/2022



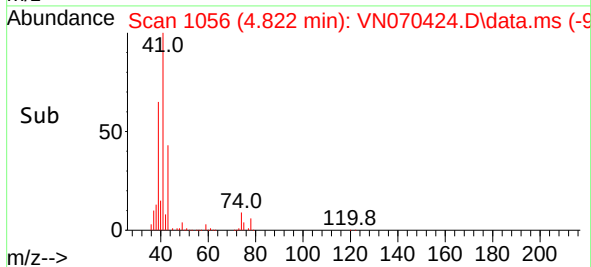
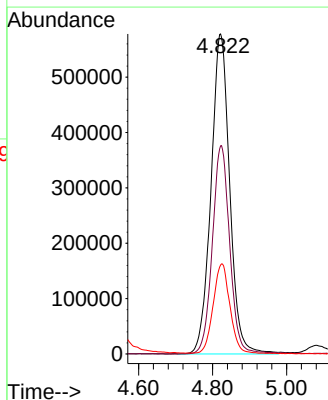
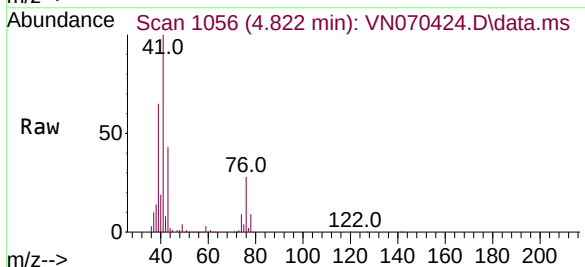
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Supervised By :mohammad
ahmed

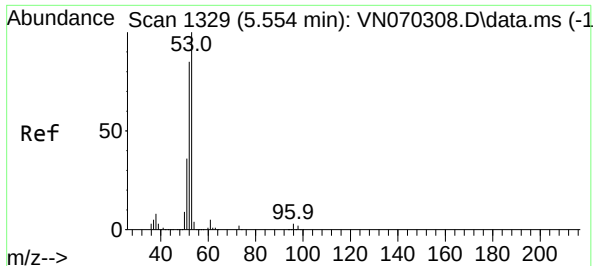
01/03/2022



#14
Allyl chloride
Concen: 54.223 ug/l
RT: 4.822 min Scan# 1056
Delta R.T. -0.018 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

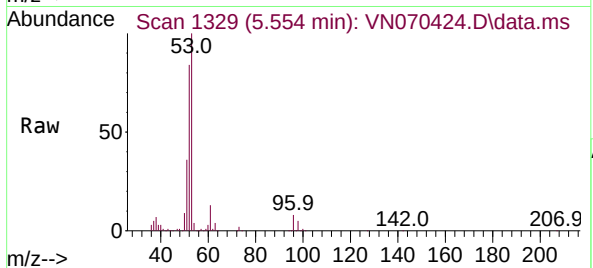
Tgt Ion: 41 Resp: 2028863
Ion Ratio Lower Upper
41 100
39 60.3 61.2 91.8#
76 24.9 26.0 39.0#





#15
Acrylonitrile
Concen: 311.216 ug/l
RT: 5.554 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMSD



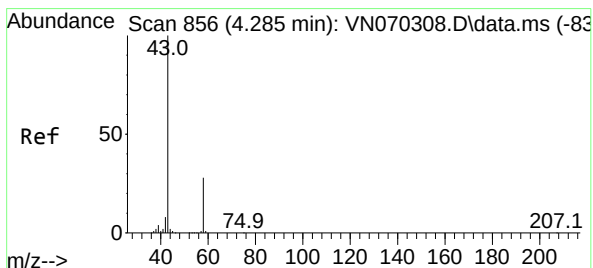
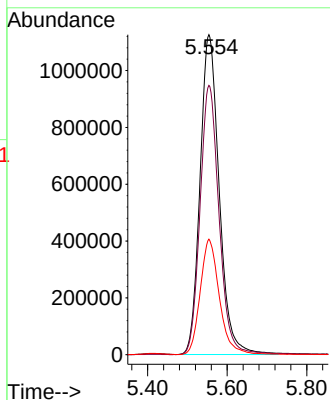
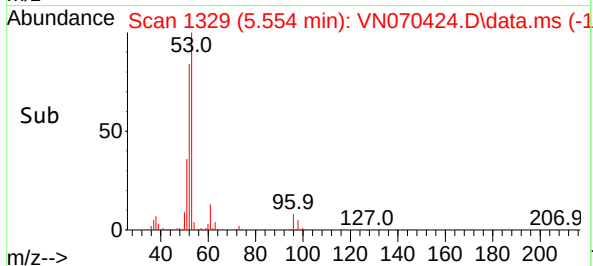
Tgt Ion: 53 Resp: 3767460
Ion Ratio Lower Upper
53 100
52 83.4 66.2 99.2
51 36.1 29.6 44.4

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Supervised By :mohammad ahmed 01/03/2022

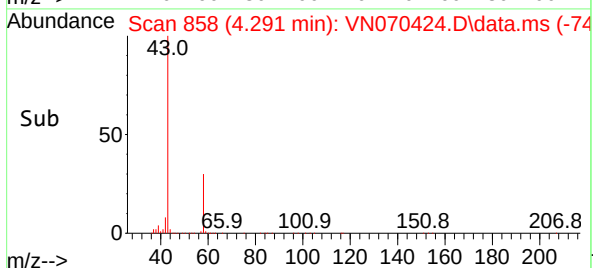
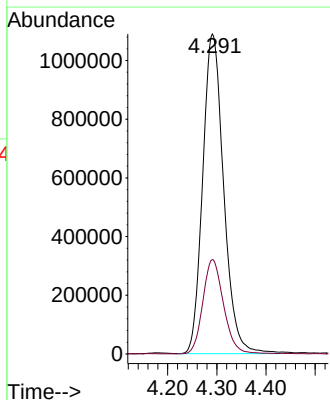
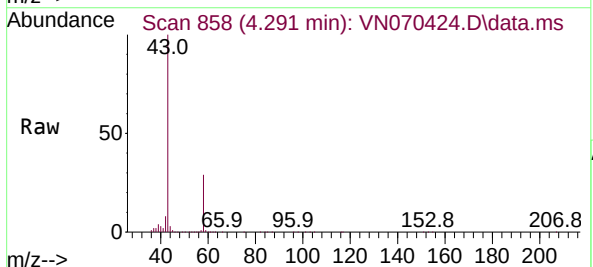
01/03/2022
Supervised By :mohammad
ahmed

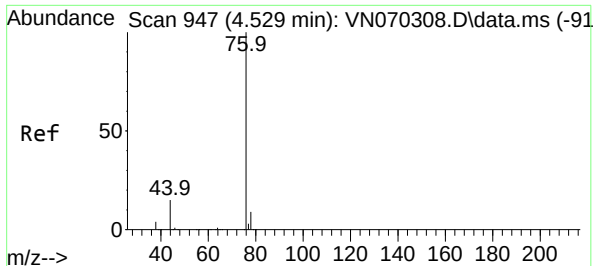
01/03/2022



#16
Acetone
Concen: 213.324 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

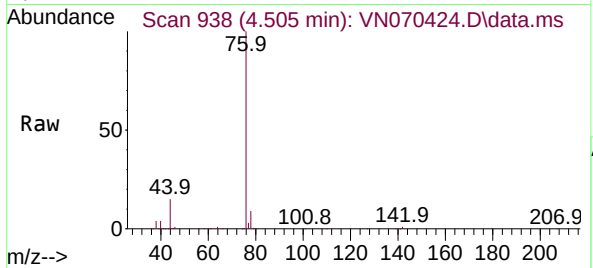
Tgt Ion: 43 Resp: 3226396
Ion Ratio Lower Upper
43 100
58 29.5 23.1 34.7





#17
Carbon Disulfide
Concen: 51.372 ug/l
RT: 4.505 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

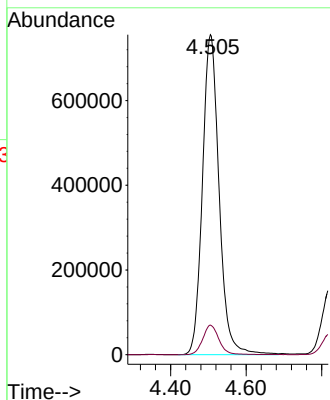
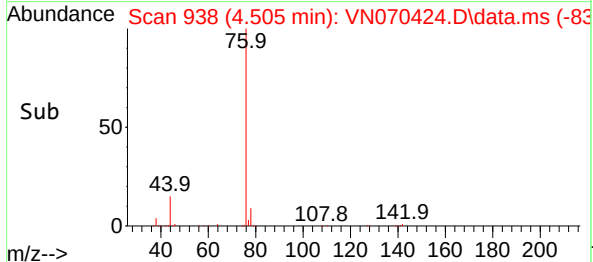
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 76 Resp: 231423
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

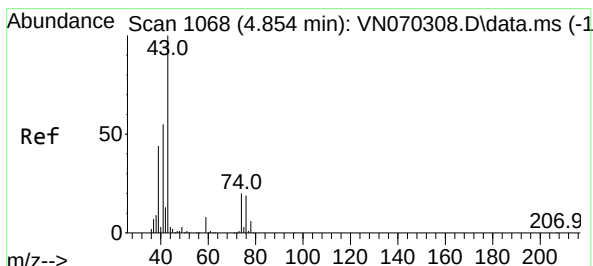
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Supervised By :mohammad ahmed 01/03/2022

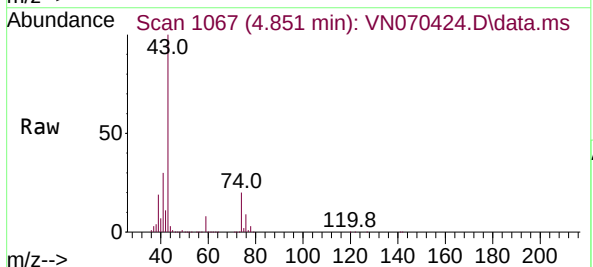


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Supervised By :mohammad ahmed

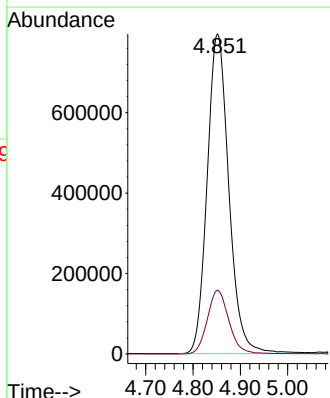
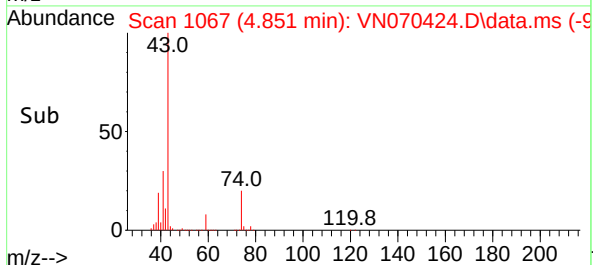
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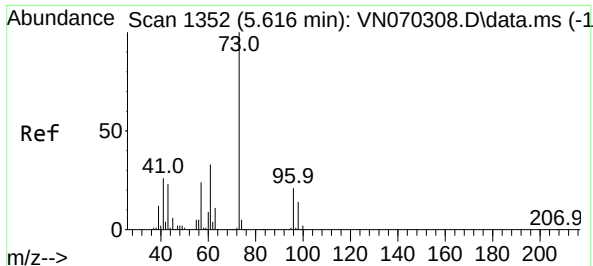


#18
Methyl Acetate
Concen: 57.771 ug/l
RT: 4.851 min Scan# 1067
Delta R.T. -0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29



Tgt Ion: 43 Resp: 2527483
Ion Ratio Lower Upper
43 100
74 19.9 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 52.777 ug/l

RT: 5.615 min Scan# 1153

Delta R.T. -0.001 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMSD

Tgt Ion: 73 Resp: 3234620

Ion Ratio Lower Upper

73 100

57 23.7 16.8 25.2

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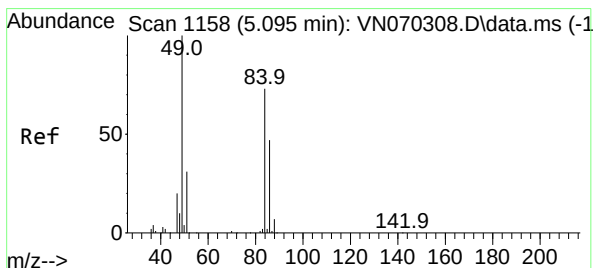
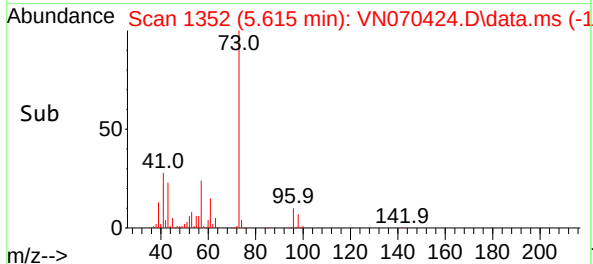
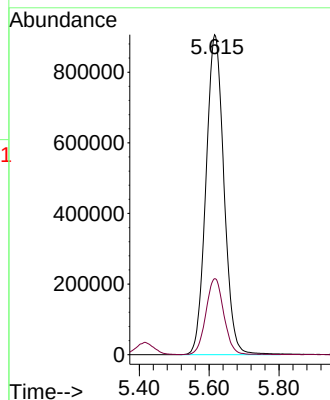
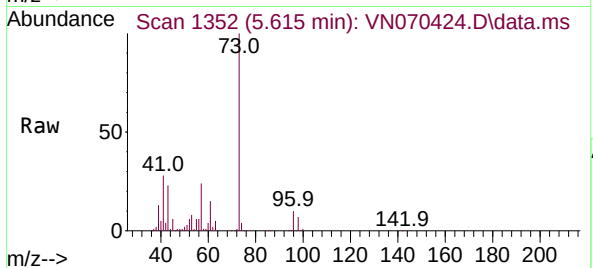
Reviewed By :Amit Patel 01/03/2022

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ahmed

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#20

Methylene Chloride

Concen: 49.822 ug/l

RT: 5.082 min Scan# 1153

Delta R.T. -0.013 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

Tgt Ion: 84 Resp: 1042554

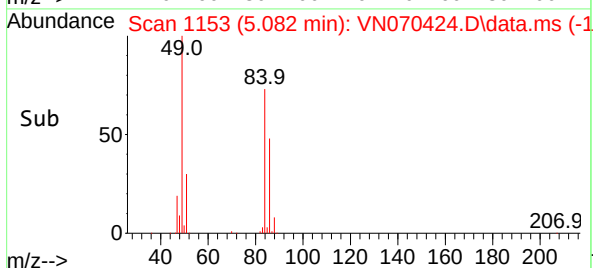
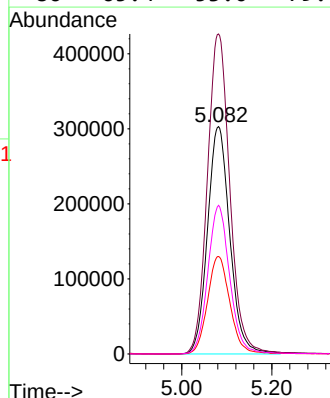
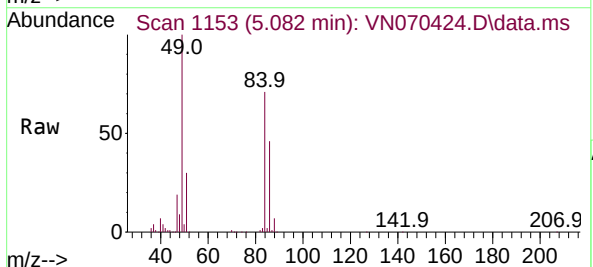
Ion Ratio Lower Upper

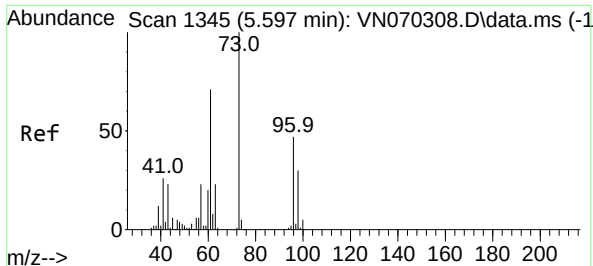
84 100

49 140.7 93.5 140.3#

51 42.9 29.4 44.2

86 65.4 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 49.821 ug/l

RT: 5.583 min Scan# 11

Delta R.T. -0.014 min

Lab File: VN070424.D

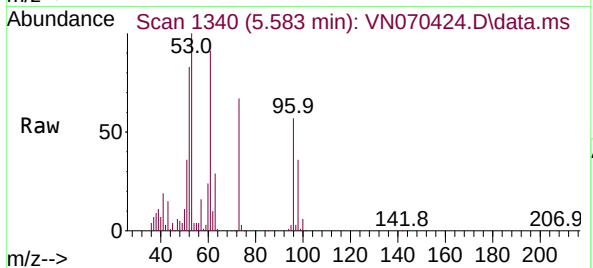
Acq: 31 Dec 2021 3:29

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 96 Resp: 870549

Ion Ratio Lower Upper

96 100

61 159.2 105.8 158.6

98 62.8 52.0 78.0

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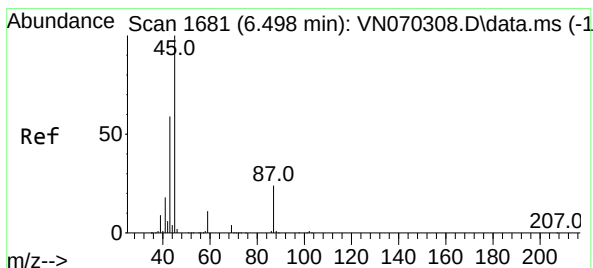
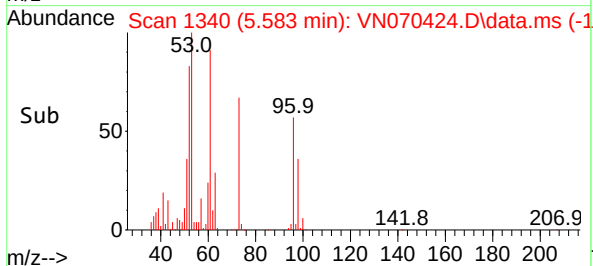
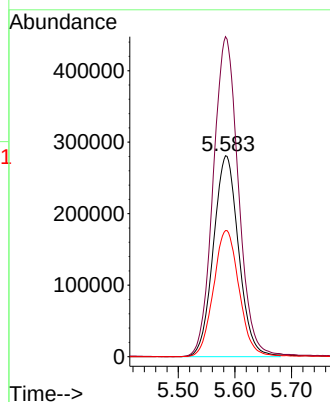
Reviewed By :Amit Patel 01/03/2022

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Supervised By :mohammad
ahmed

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#22

Diisopropyl ether

Concen: 54.757 ug/l

RT: 6.498 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

Tgt Ion: 45 Resp: 3990618

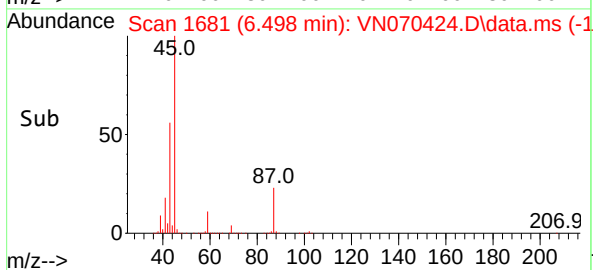
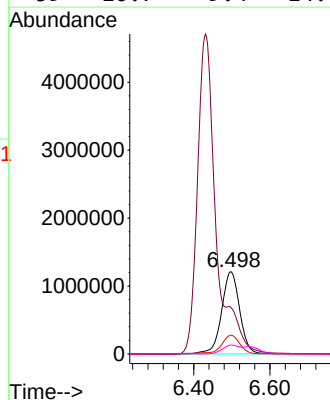
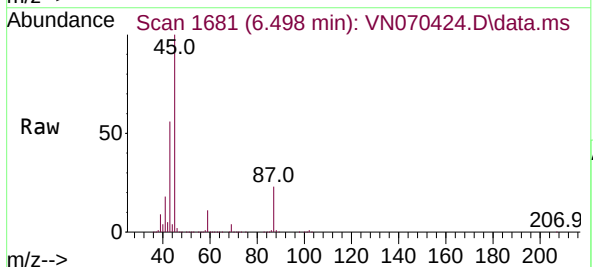
Ion Ratio Lower Upper

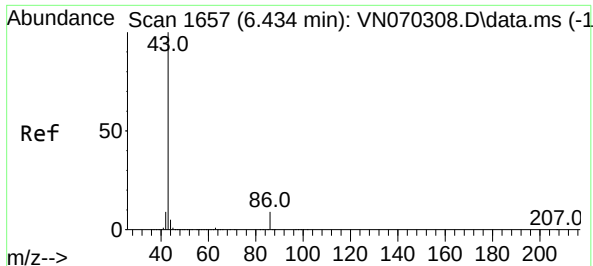
45 100

43 55.9 51.7 77.5

87 22.9 23.2 34.8#

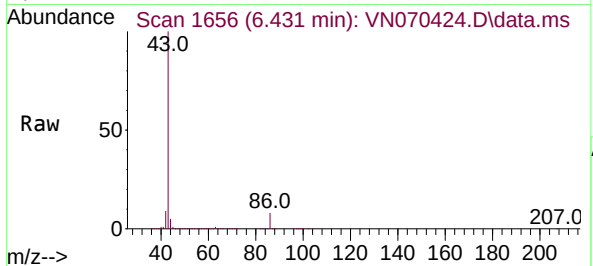
59 10.7 9.4 14.0





#23
 Vinyl Acetate
 Concen: 280.254 ug/l m
 RT: 6.431 min Scan# 1656
 Delta R.T. -0.003 min
 Lab File: VN070424.D
 Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
 ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 43 Resp:15846784
 Ion Ratio Lower Upper
 43 100
 86 8.5 8.5 12.75

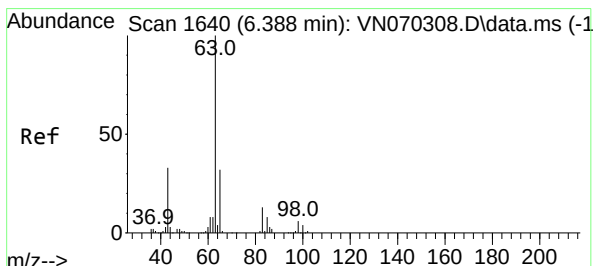
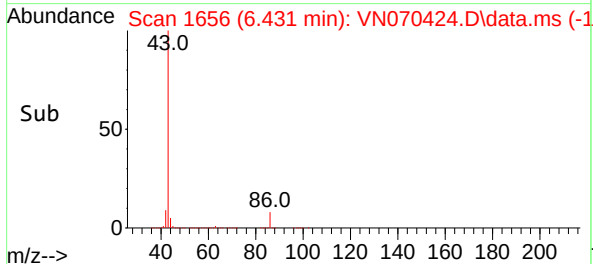
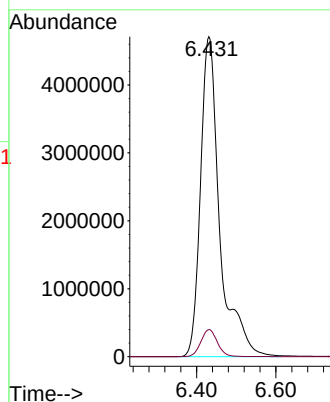
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 Supervised By :mohammad ahmed 01/03/2022

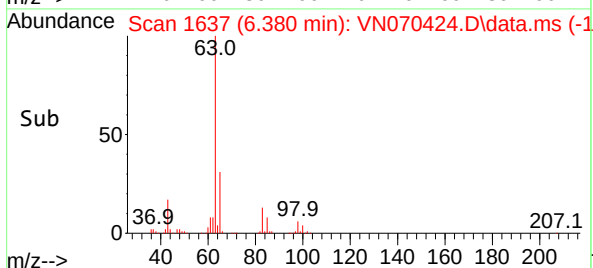
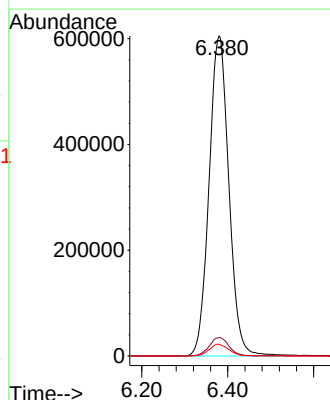
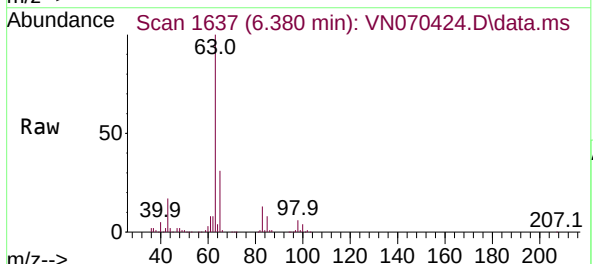
01/03/2022
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 ahmed

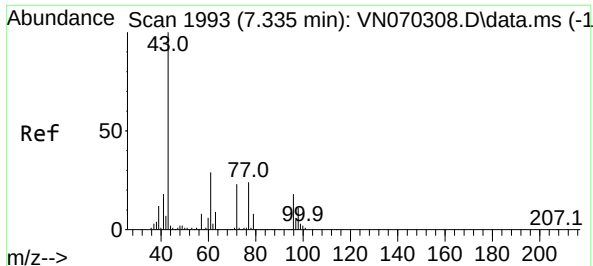
01/03/2022



#24
 1,1-Dichloroethane
 Concen: 51.187 ug/l
 RT: 6.380 min Scan# 1637
 Delta R.T. -0.008 min
 Lab File: VN070424.D
 Acq: 31 Dec 2021 3:29

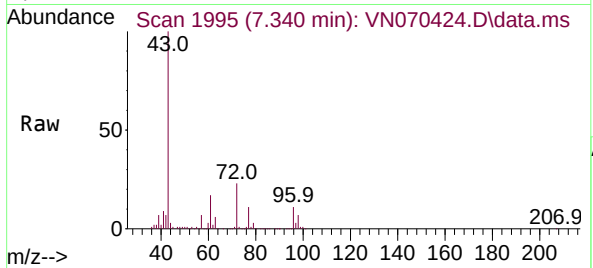
Tgt Ion: 63 Resp: 1934278
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.3 9.9
 100 3.6 2.1 6.5





#25
2-Butanone
Concen: 295.751 ug/l
RT: 7.340 min Scan# 1993
Delta R.T. 0.005 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



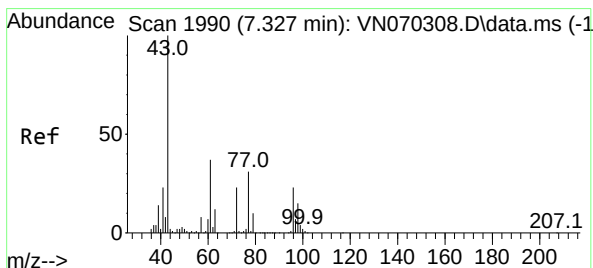
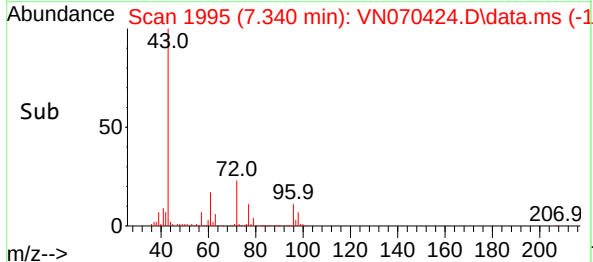
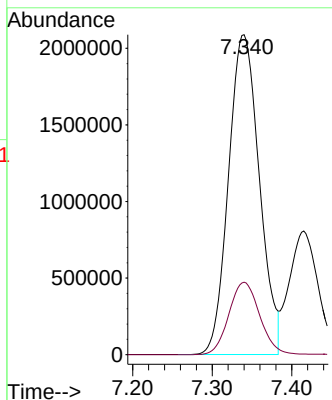
Tgt Ion: 43 Resp: 563212
Ion Ratio Lower Upper
43 100
72 22.7 21.7 32.5

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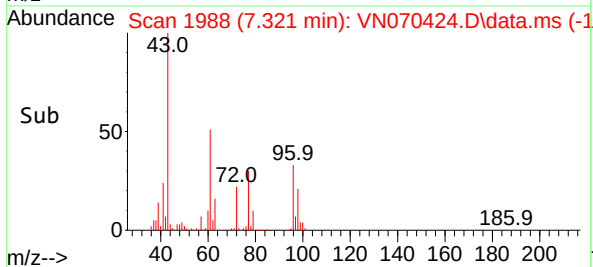
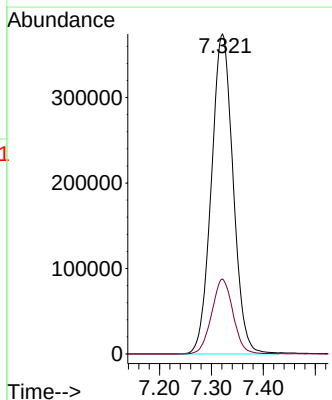
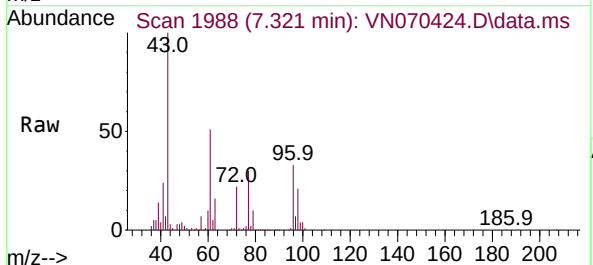
01/03/2022
Supervised By :mohammad
ahmed

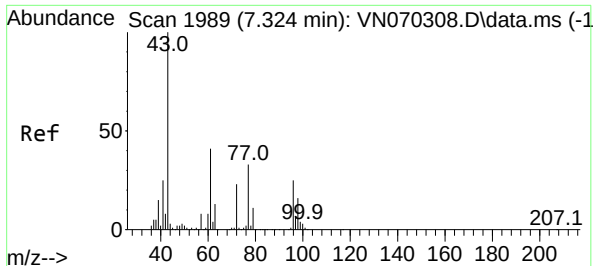
01/03/2022



#26
2,2-Dichloropropane
Concen: 36.566 ug/l
RT: 7.321 min Scan# 1988
Delta R.T. -0.006 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

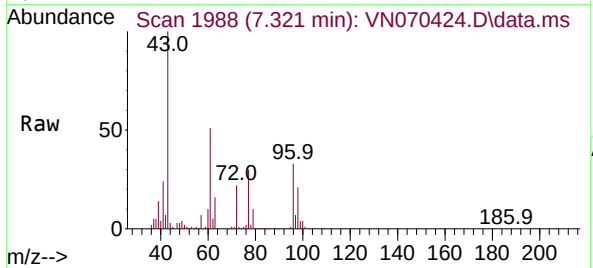
Tgt Ion: 77 Resp: 1090062
Ion Ratio Lower Upper
77 100
97 23.0 11.6 34.8





#27
 cis-1,2-Dichloroethene
 Concen: 52.390 ug/l
 RT: 7.321 min Scan# 1989
 Delta R.T. -0.003 min
 Lab File: VN070424.D
 Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
 ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



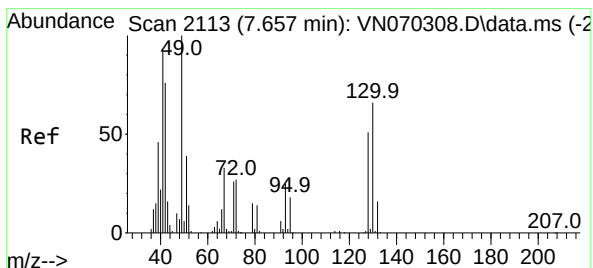
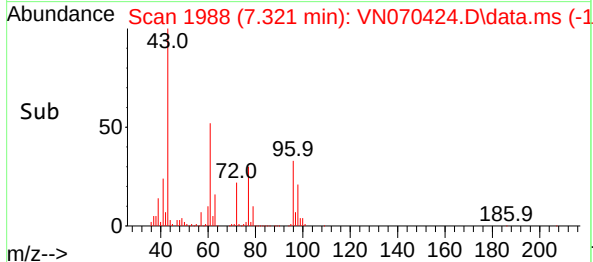
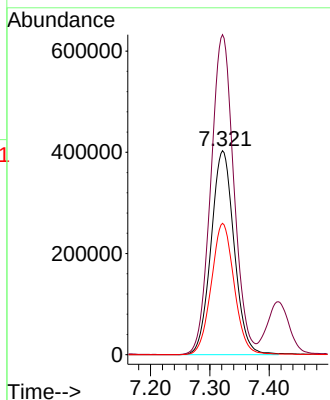
Tgt Ion: 96 Resp: 109231
 Ion Ratio Lower Upper
 96 100
 61 156.0 0.0 275.0
 98 63.8 0.0 129.6

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 Supervised By :mohammad ahmed 01/03/2022

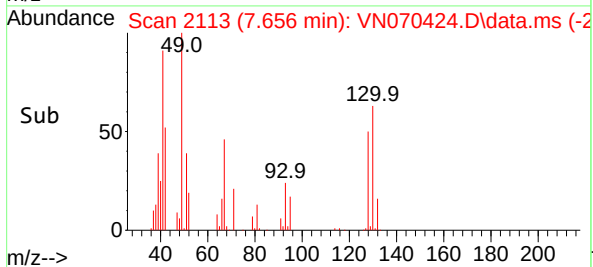
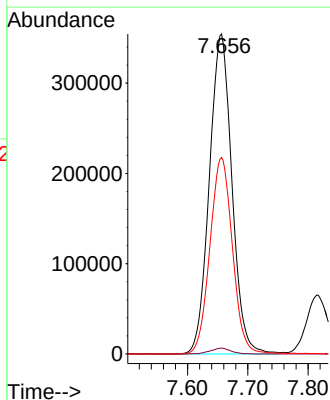
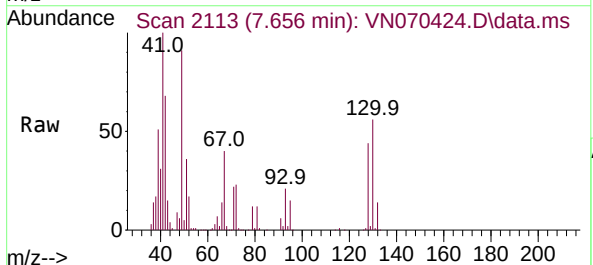
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 ahmed

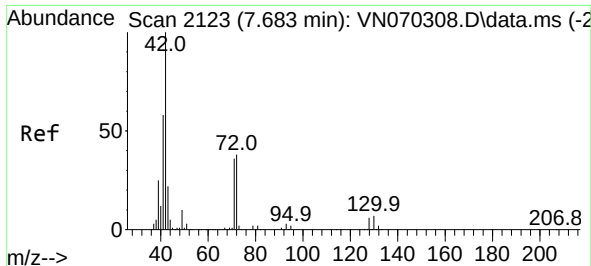
01/03/2022



#28
 Bromochloromethane
 Concen: 49.898 ug/l
 RT: 7.656 min Scan# 2113
 Delta R.T. -0.001 min
 Lab File: VN070424.D
 Acq: 31 Dec 2021 3:29

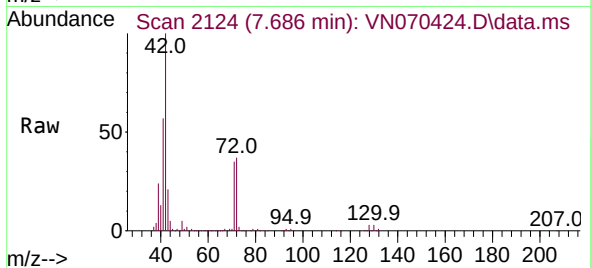
Tgt Ion: 49 Resp: 922148
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 4.0
 130 61.3 67.8 101.8#





#29
Tetrahydrofuran
Concen: 314.902 ug/l
RT: 7.686 min Scan# 2123
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



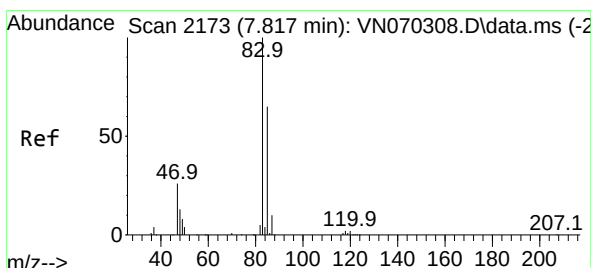
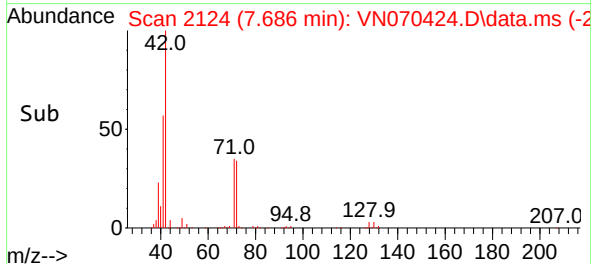
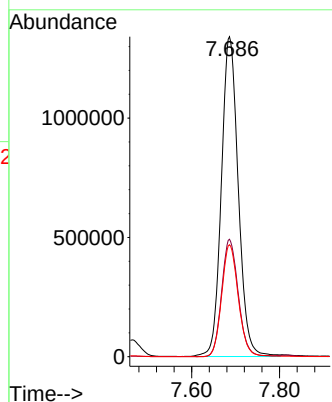
Tgt Ion: 42 Resp: 357792
Ion Ratio Lower Upper
42 100
72 36.1 36.3 54.5
71 34.5 34.7 52.1

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Supervised By :mohammad ahmed 01/03/2022

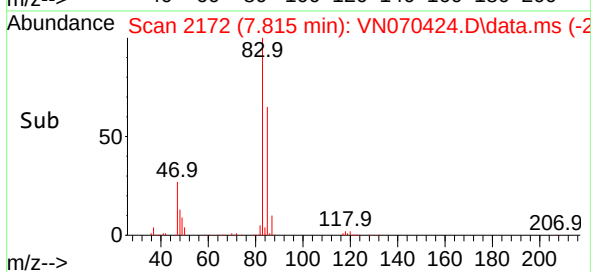
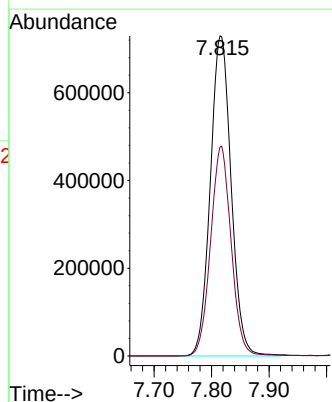
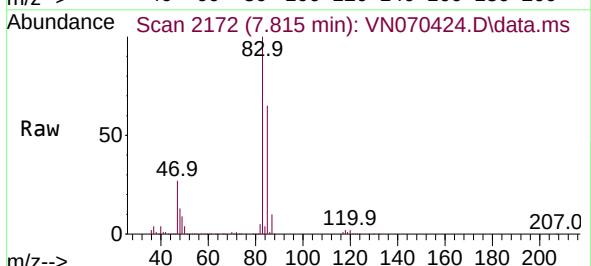
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Supervised By :mohammad
ahmed

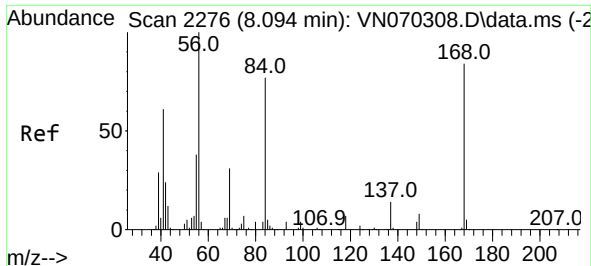
01/03/2022



#30
Chloroform
Concen: 50.428 ug/l
RT: 7.815 min Scan# 2172
Delta R.T. -0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

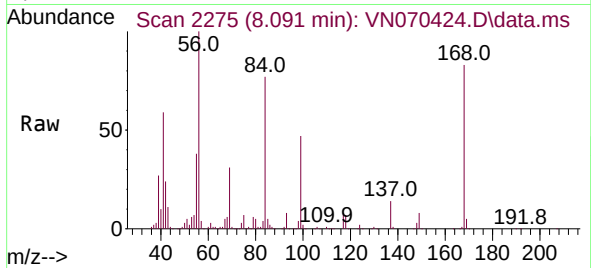
Tgt Ion: 83 Resp: 1838367
Ion Ratio Lower Upper
83 100
85 65.2 51.9 77.9





#31
Cyclohexane
Concen: 51.350 ug/l
RT: 8.091 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



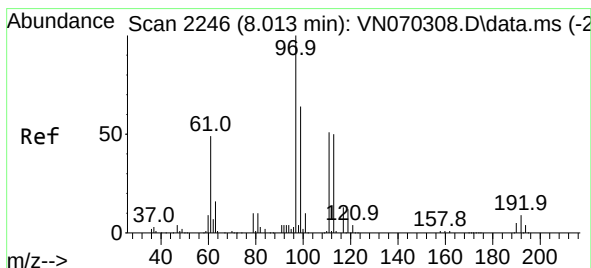
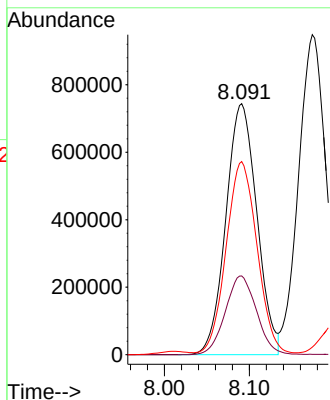
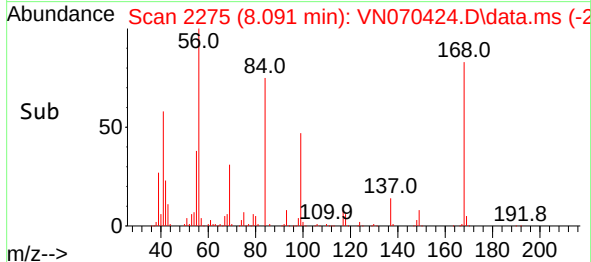
Tgt Ion: 56 Resp: 1887914
Ion Ratio Lower Upper
56 100
69 31.4 27.1 40.7
84 75.7 73.4 110.0

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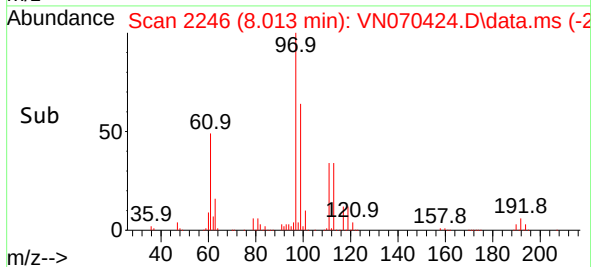
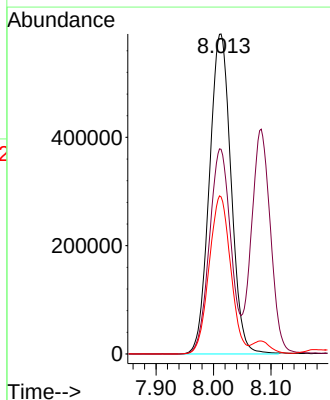
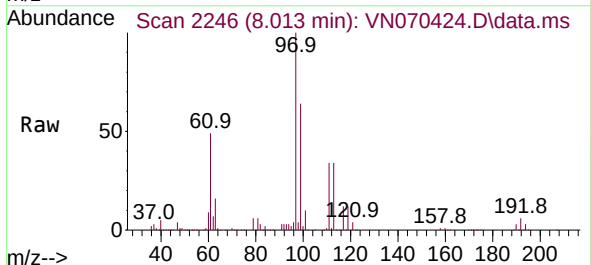
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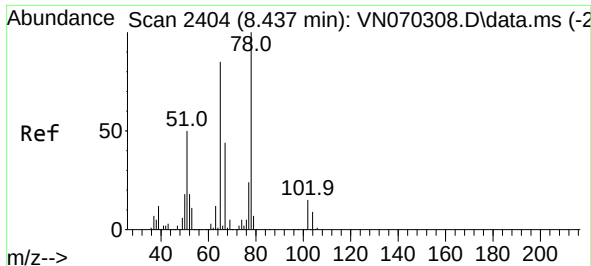
01/03/2022



#32
1,1,1-Trichloroethane
Concen: 50.295 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Tgt Ion: 97 Resp: 1545973
Ion Ratio Lower Upper
97 100
99 63.1 50.1 75.1
61 49.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 31.522 ug/l

RT: 8.434 min Scan# 2404

Delta R.T. -0.003 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMSD

Tgt Ion: 65 Resp: 73442

Ion Ratio Lower Upper

65 100

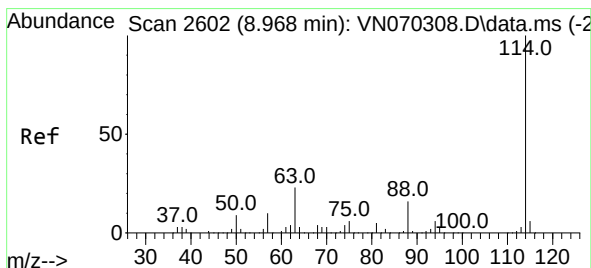
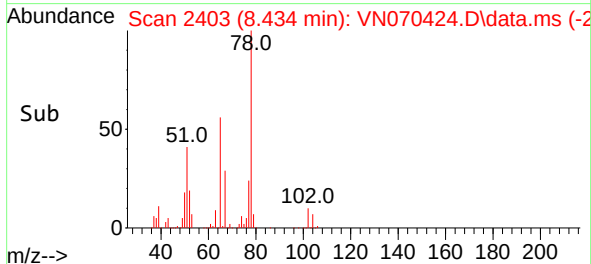
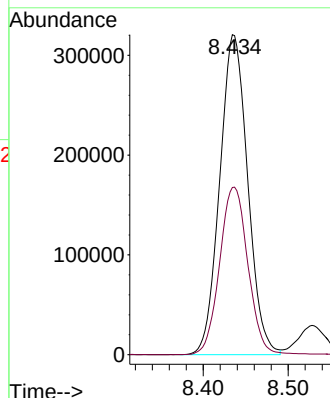
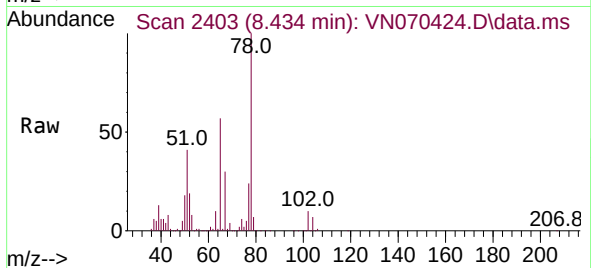
67 52.9 0.0 103.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

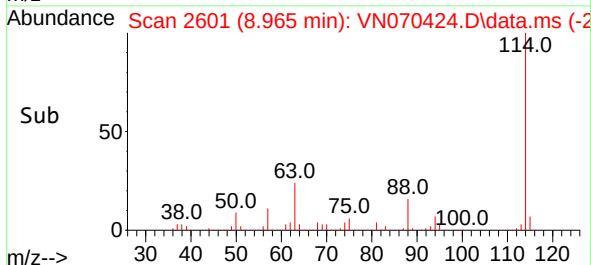
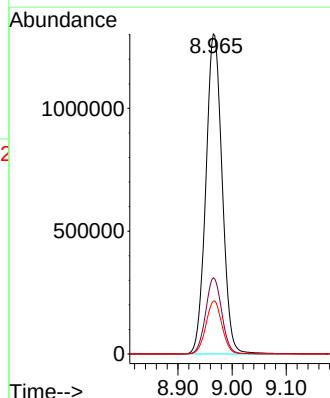
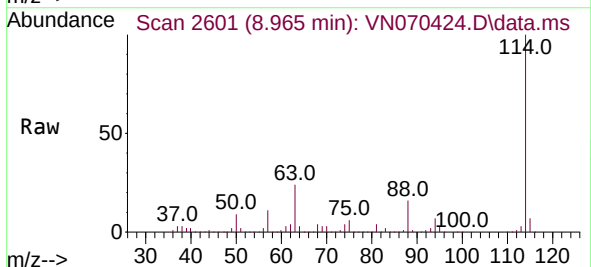
Tgt Ion:114 Resp: 2718918

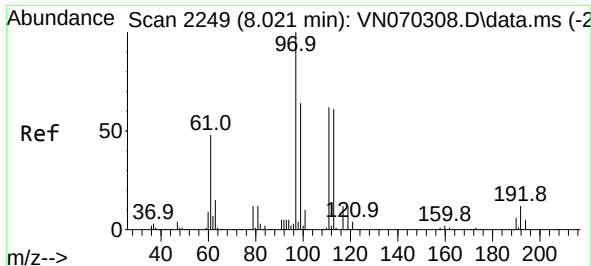
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

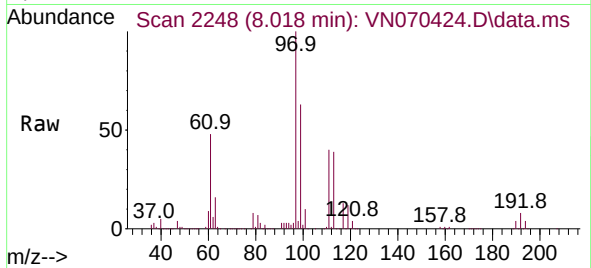
88 16.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 32.142 ug/l
RT: 8.018 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



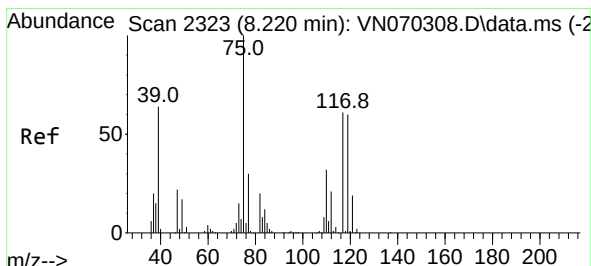
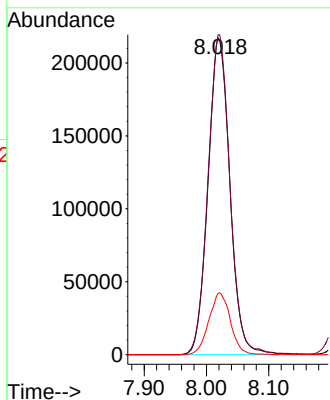
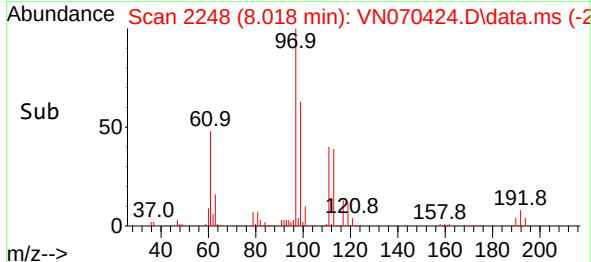
Tgt Ion: 113 Resp: 528758
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 19.3 16.9 25.3

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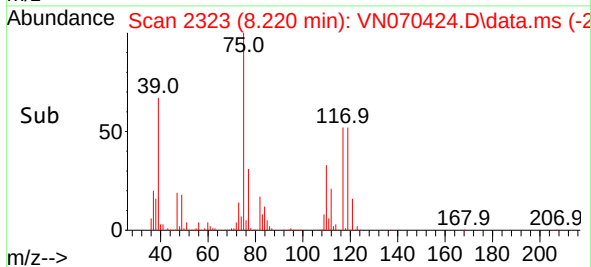
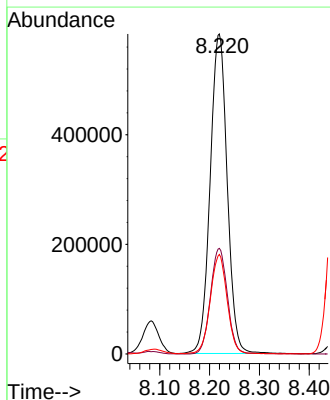
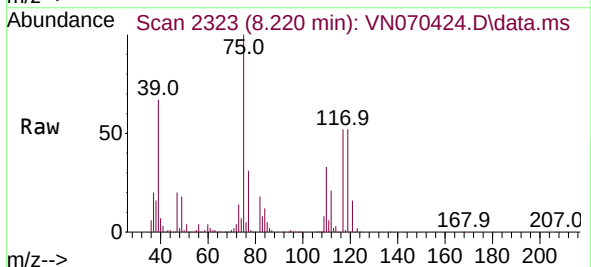
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Supervised By :mohammad
ahmed

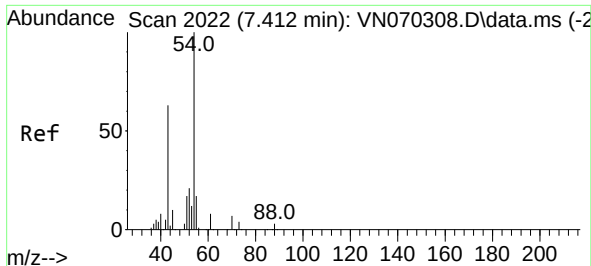
01/03/2022



#36
1,1-Dichloropropene
Concen: 50.963 ug/l
RT: 8.220 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Tgt Ion: 75 Resp: 1386910
Ion Ratio Lower Upper
75 100
110 32.8 18.4 55.2
77 30.7 24.4 36.6





#37

Ethyl Acetate

Concen: 59.034 ug/l

RT: 7.415 min Scan# 20

Delta R.T. 0.003 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMSD

Tgt Ion: 43 Resp: 208244

Ion Ratio Lower Upper

43 100

61 12.9 11.5 17.3

70 8.9 7.9 11.9

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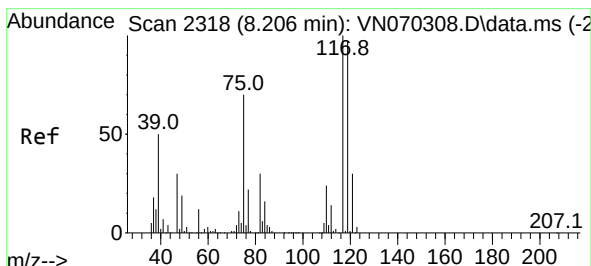
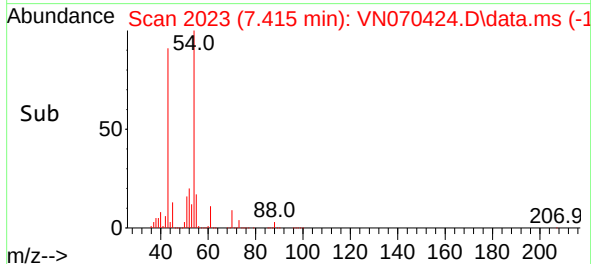
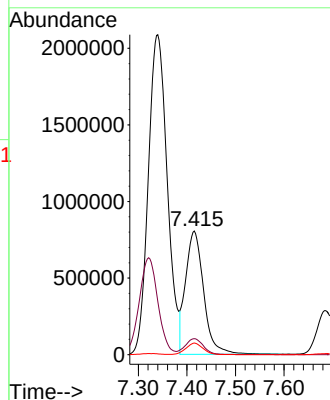
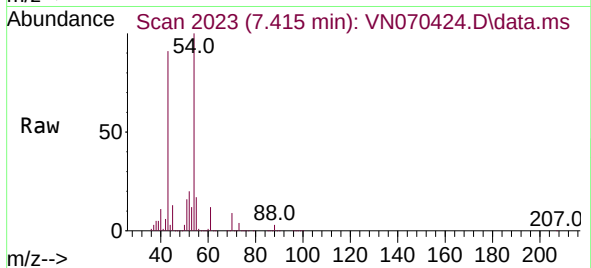
Reviewed By :Amit Patel 01/03/2022

Supervised By :mohammad ahmed 01/03/2022

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ahmed

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#38

Carbon Tetrachloride

Concen: 50.383 ug/l

RT: 8.201 min Scan# 2316

Delta R.T. -0.005 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

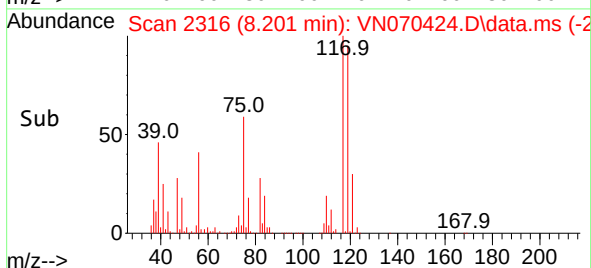
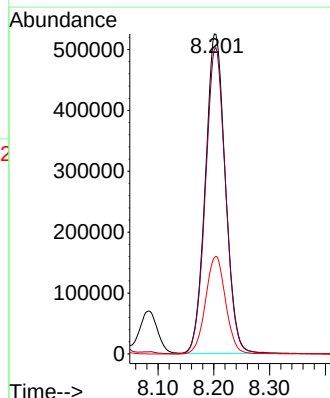
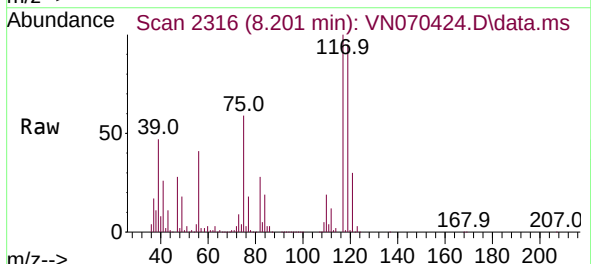
Tgt Ion:117 Resp: 1309264

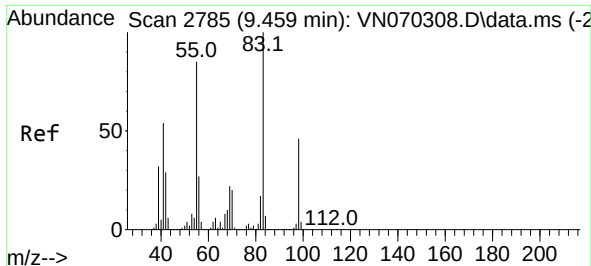
Ion Ratio Lower Upper

117 100

119 95.3 76.1 114.1

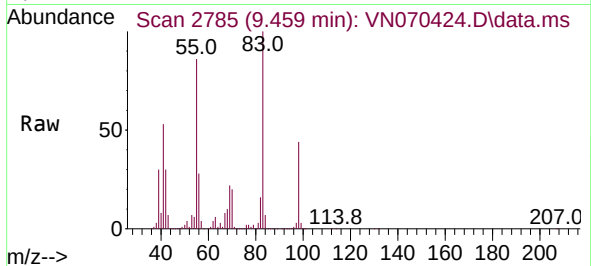
121 30.2 24.2 36.2





#39
Methylcyclohexane
Concen: 52.896 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



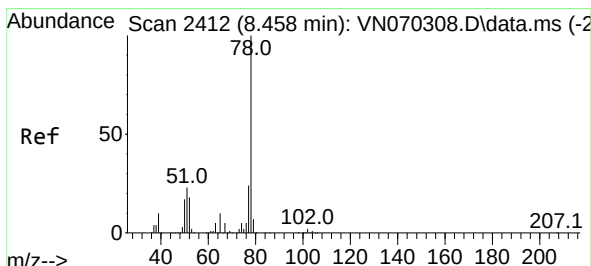
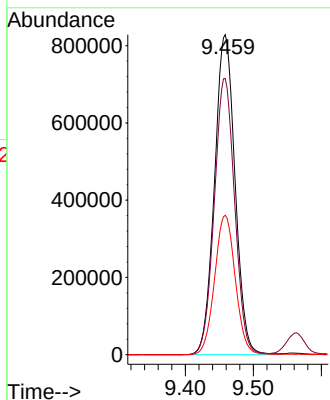
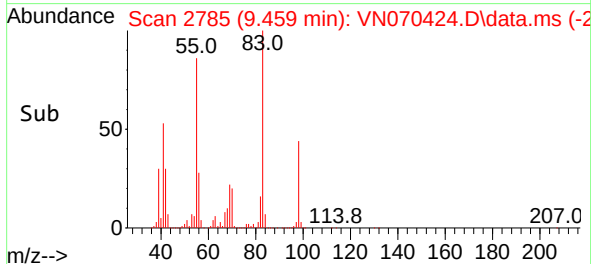
Tgt Ion: 83 Resp: 1742752
Ion Ratio Lower Upper
83 100
55 86.3 58.1 87.1
98 43.6 38.4 57.6

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Supervised By :mohammad ahmed 01/03/2022

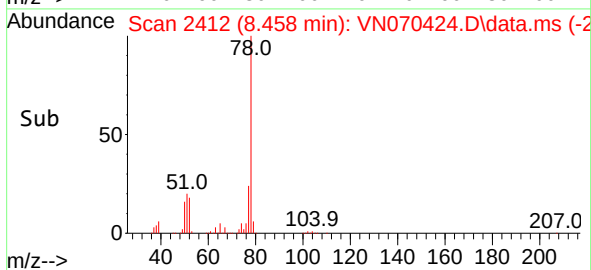
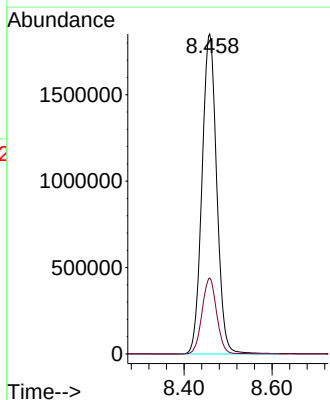
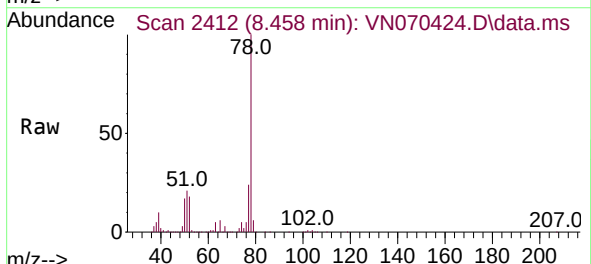
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ahmed

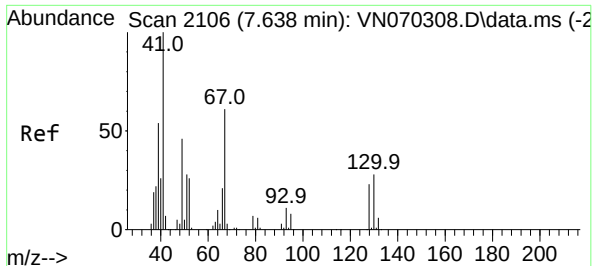
01/03/2022



#40
Benzene
Concen: 51.635 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

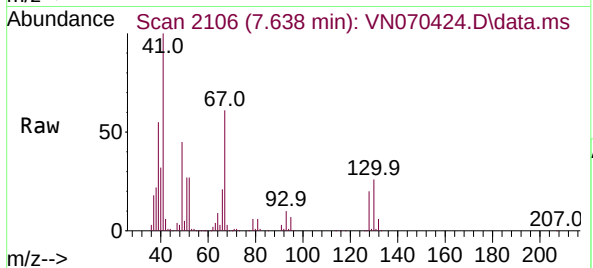
Tgt Ion: 78 Resp: 4307999
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8





#41
Methacrylonitrile
Concen: 63.532 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

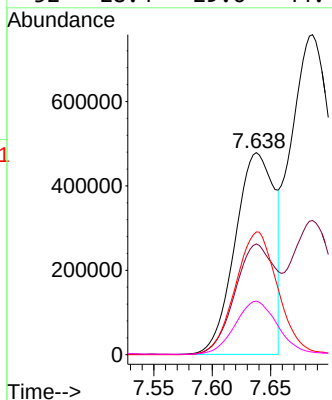
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 41 Resp: 112095
Ion Ratio Lower Upper
41 100
39 57.0 48.1 72.1
67 66.1 68.3 102.5
52 28.4 29.6 44.4

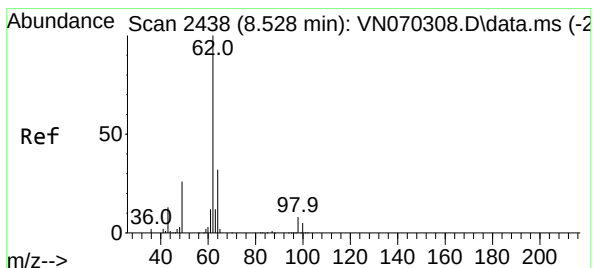
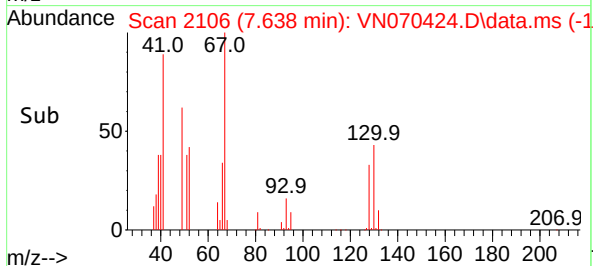
Manual Integrations
APPROVED

Reviewed By :Amit Patel 01/03/2022
Supervised By :mohammad ahmed 01/03/2022



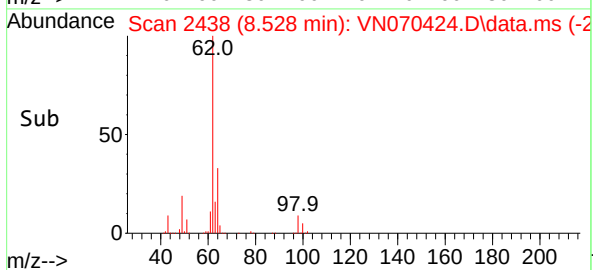
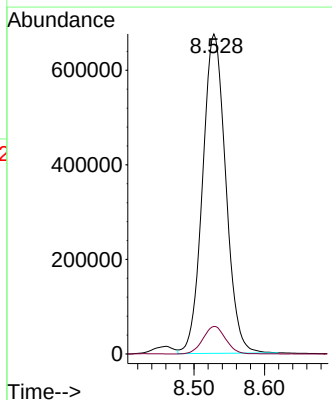
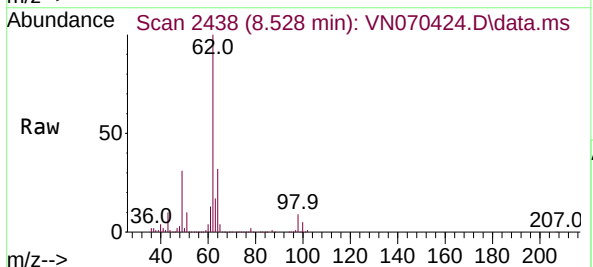
01/03/2022
Supervised By :mohammad ahmed

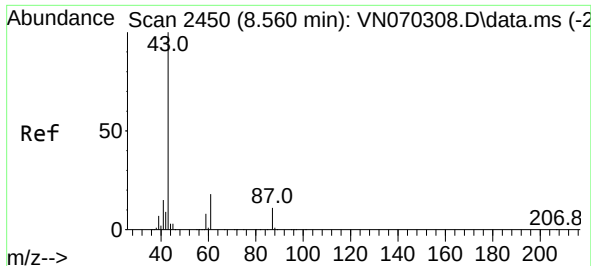
01/03/2022



#42
1,2-Dichloroethane
Concen: 49.107 ug/l
RT: 8.528 min Scan# 2438
Delta R.T. 0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

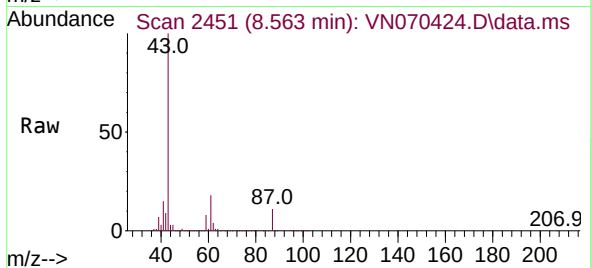
Tgt Ion: 62 Resp: 1539986
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.6





#43
Isopropyl Acetate
Concen: 59.388 ug/l
RT: 8.563 min Scan# 2450
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



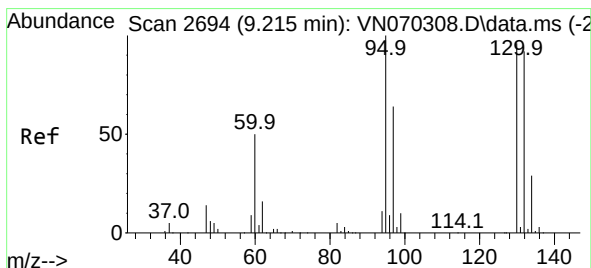
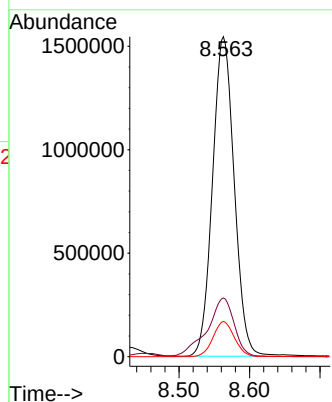
Tgt Ion: 43 Resp: 3302918
Ion Ratio Lower Upper
43 100
61 22.8 20.4 30.6
87 10.9 11.2 16.8

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Supervised By :mohammad ahmed 01/03/2022

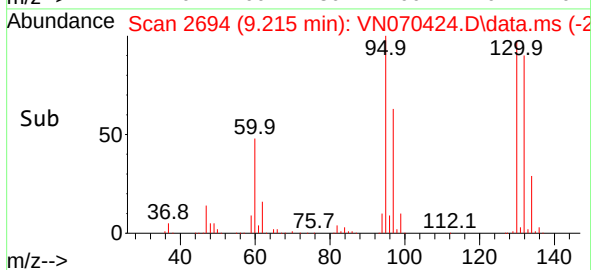
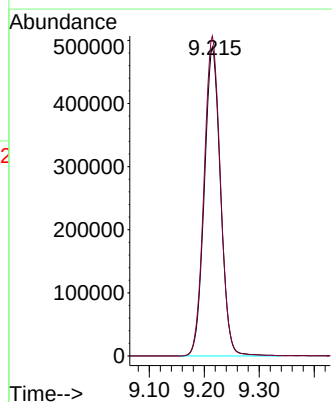
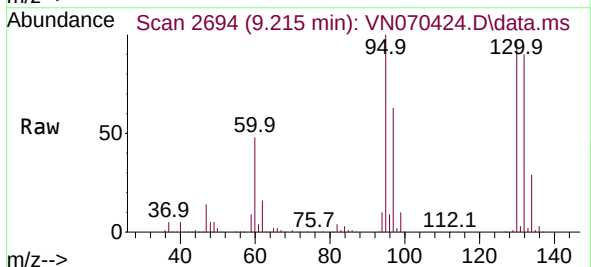
01/03/2022
Supervised By :mohammad
ahmed

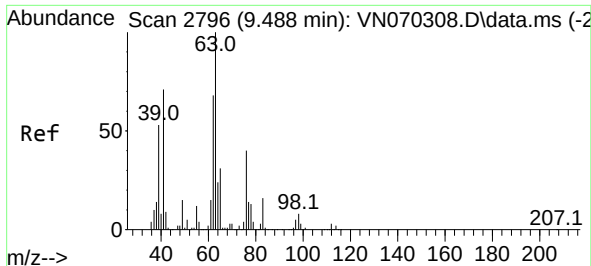
01/03/2022



#44
Trichloroethene
Concen: 50.570 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Tgt Ion:130 Resp: 1002512
Ion Ratio Lower Upper
130 100
95 103.6 0.0 191.2





#45

1,2-Dichloropropane

Concen: 53.843 ug/l

RT: 9.488 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMSD

Tgt Ion: 63 Resp: 1209510

Ion Ratio Lower Upper

63 100

65 30.9 24.7 37.1

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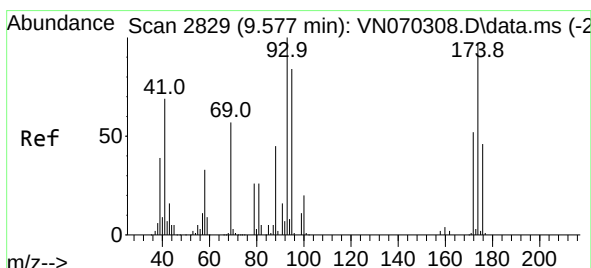
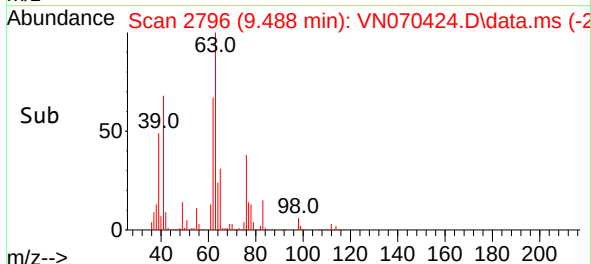
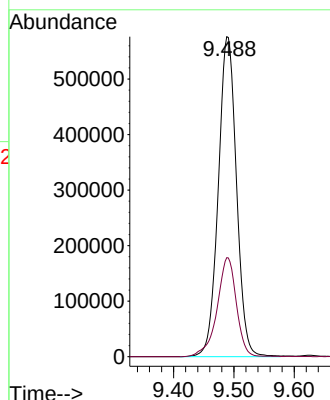
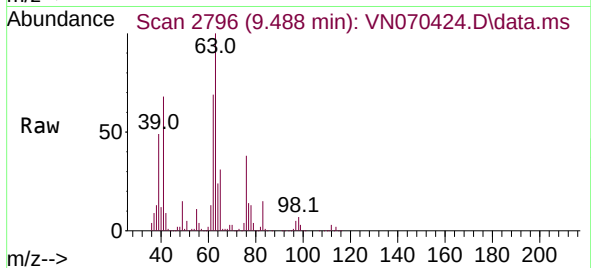
Reviewed By :Amit Patel 01/03/2022

Supervised By :mohammad ahmed 01/03/2022

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Supervised By :mohammad
ahmed

01/03/2022



#46

Dibromomethane

Concen: 52.313 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. -0.000 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

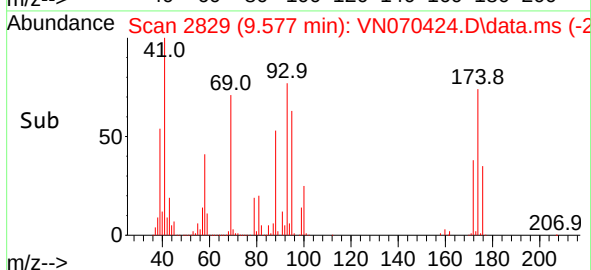
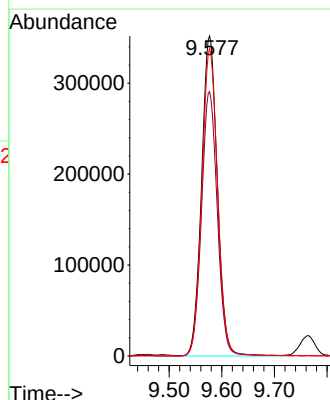
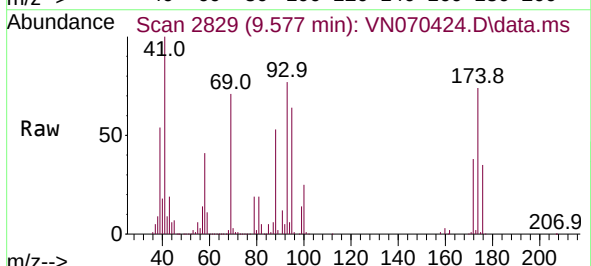
Tgt Ion: 93 Resp: 730728

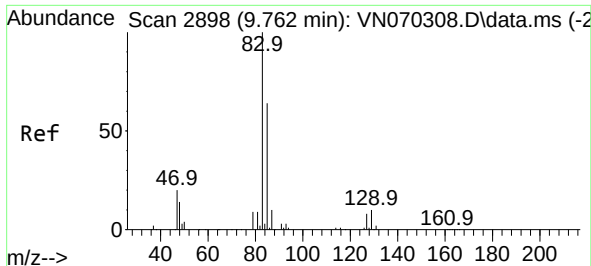
Ion Ratio Lower Upper

93 100

95 82.7 65.9 98.9

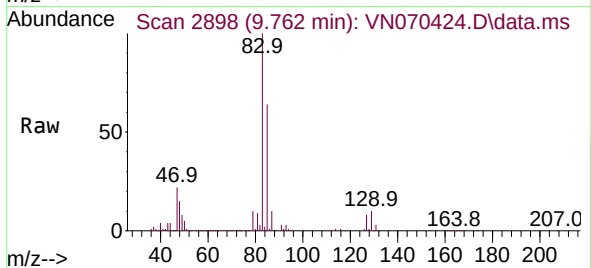
174 95.8 84.6 127.0





#47
Bromodichloromethane
Concen: 55.493 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



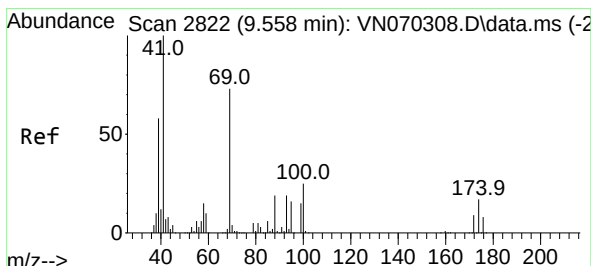
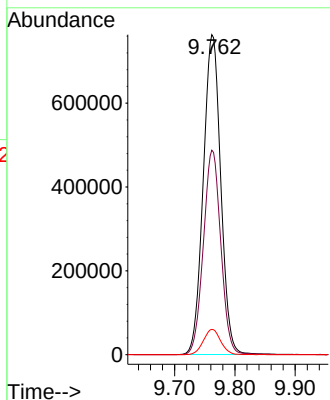
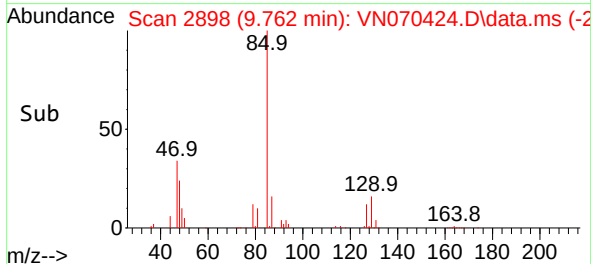
Tgt Ion: 83 Resp: 153915
Ion Ratio Lower Upper
83 100
85 63.9 50.9 76.3
127 7.9 7.1 10.7

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Supervised By :mohammad ahmed 01/03/2022

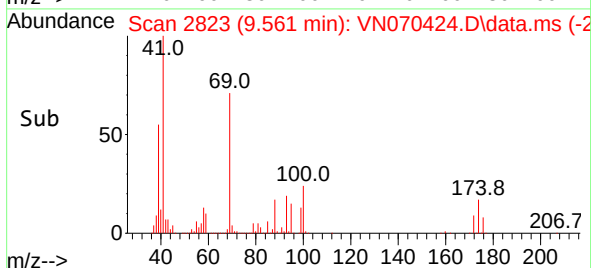
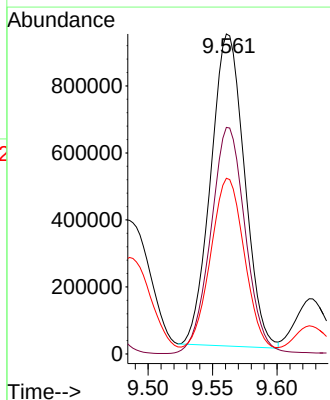
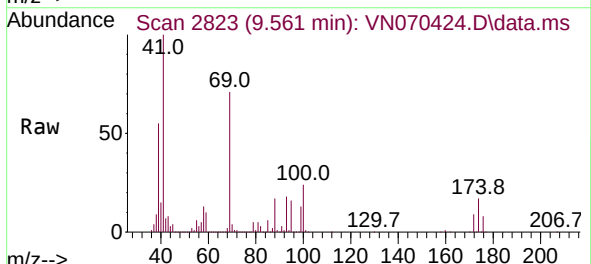
01/03/2022
Supervised By :mohammad
ahmed

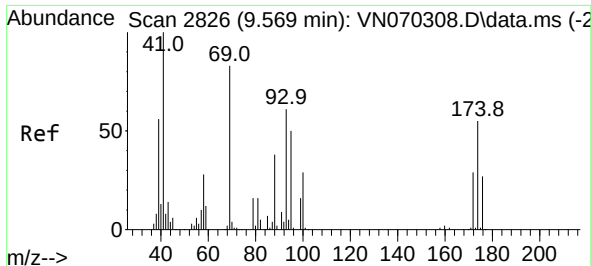
01/03/2022



#48
Methyl methacrylate
Concen: 63.809 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

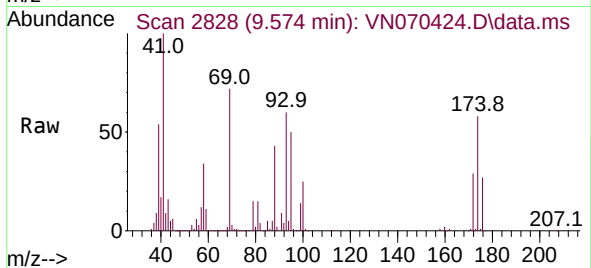
Tgt Ion: 41 Resp: 1692733
Ion Ratio Lower Upper
41 100
69 74.8 72.4 108.6
39 54.4 58.4 87.6#





#49
1,4-Dioxane
Concen: 1344.812 ug/l
RT: 9.574 min Scan# 2826
Delta R.T. 0.005 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMSD



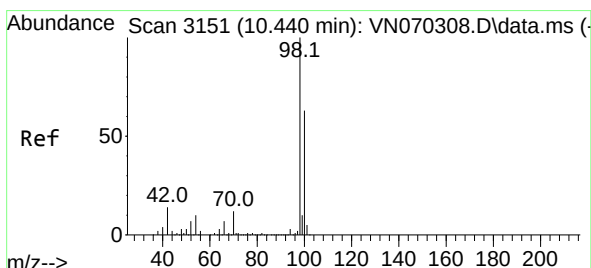
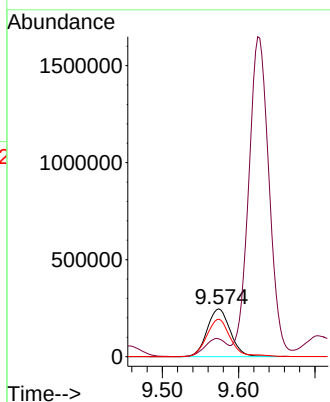
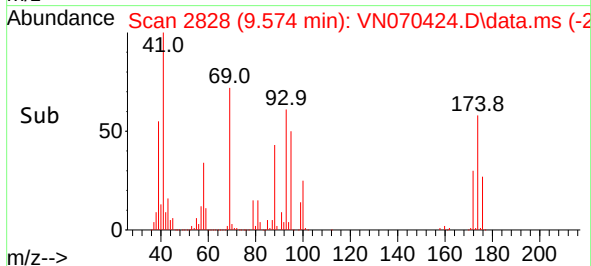
Tgt Ion: 88 Resp: 52222
Ion Ratio Lower Upper
88 100
43 34.1 23.4 35.2
58 80.9 50.6 75.8

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Reviewed By :Amit Patel 01/03/2022
Supervised By :mohammad ahmed 01/03/2022

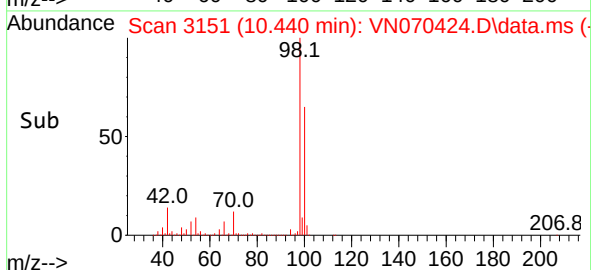
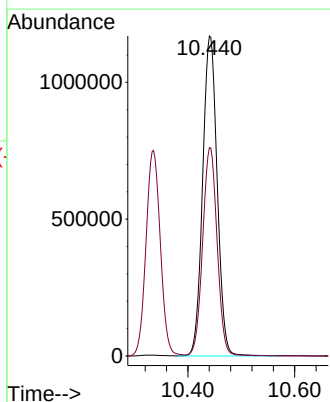
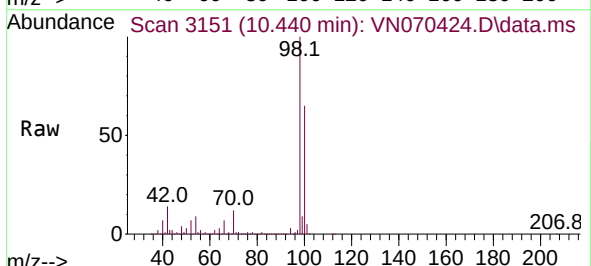
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Supervised By :mohammad
ahmed

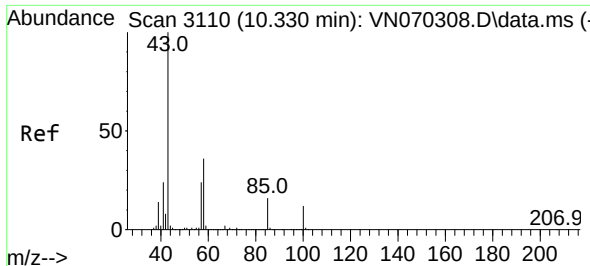
01/03/2022



#50
Toluene-d8
Concen: 32.812 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

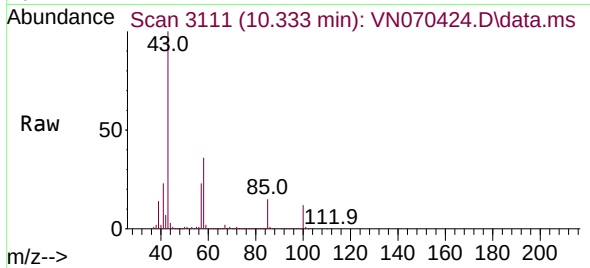
Tgt Ion: 98 Resp: 2205089
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6





#51
4-Methyl-2-Pentanone
Concen: 335.645 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

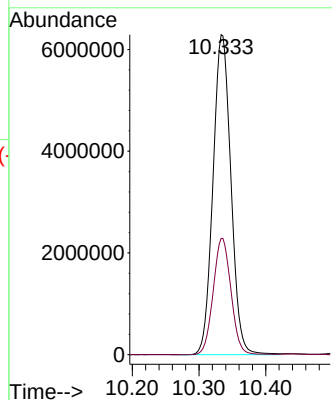
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 43 Resp:11729640
Ion Ratio Lower Upper
43 100
58 36.1 30.4 45.6

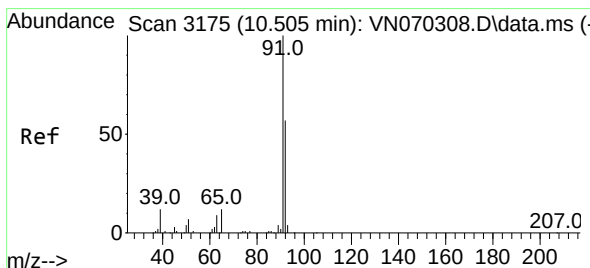
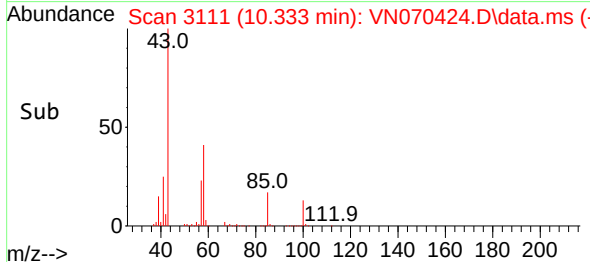
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Supervised By :mohammad ahmed 01/03/2022



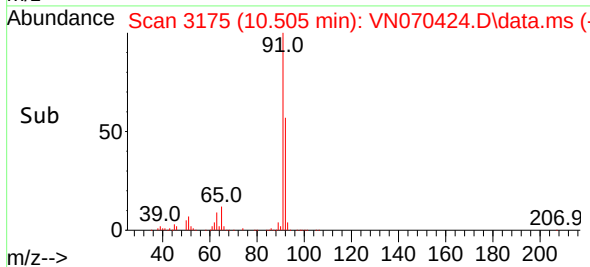
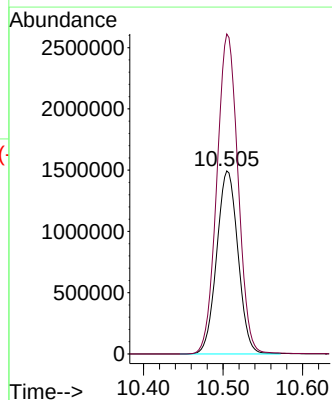
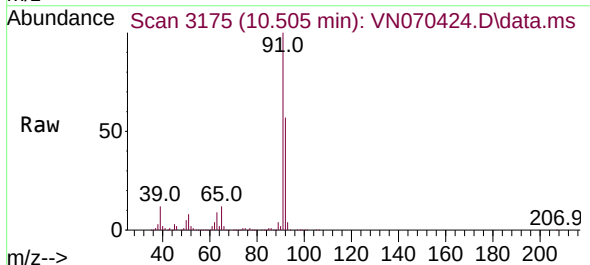
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Supervised By :mohammad ahmed

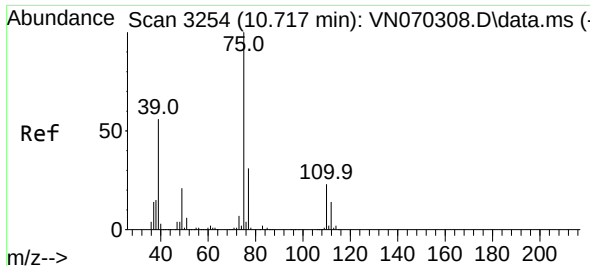
01/03/2022



#52
Toluene
Concen: 54.998 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

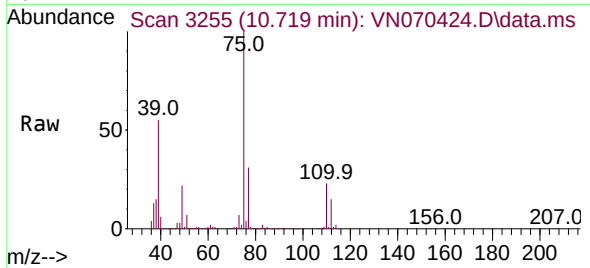
Tgt Ion: 92 Resp: 2777431
Ion Ratio Lower Upper
92 100
91 174.6 142.0 213.0





#53
t-1,3-Dichloropropene
Concen: 57.877 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

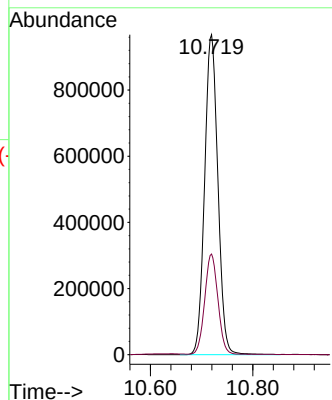
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 75 Resp: 1737820
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4

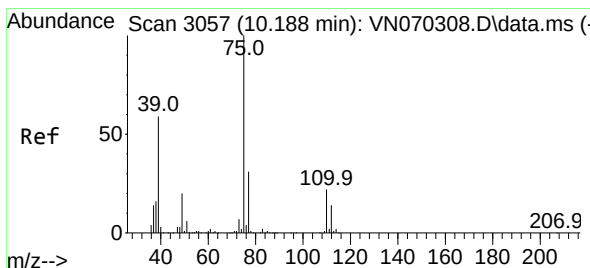
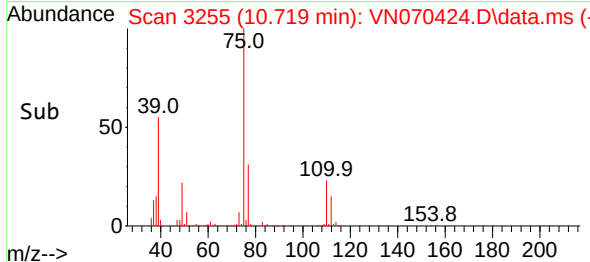
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Supervised By :mohammad ahmed 01/03/2022



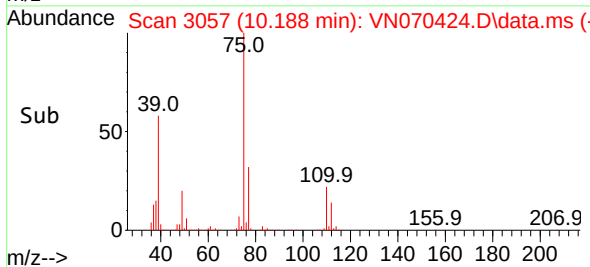
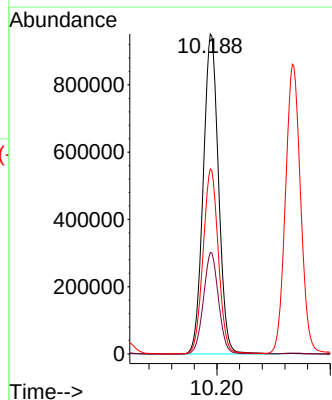
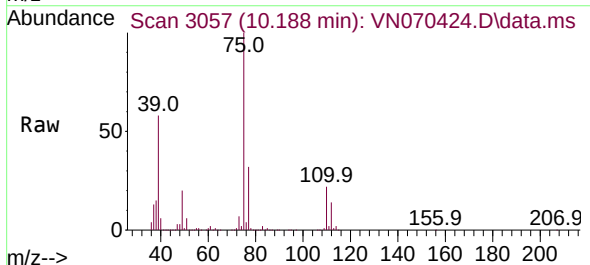
01/03/2022
Supervised By :mohammad
ahmed

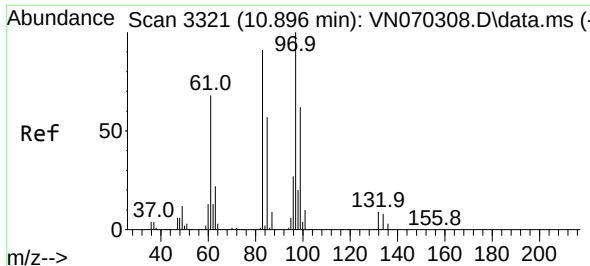
01/03/2022



#54
cis-1,3-Dichloropropene
Concen: 54.860 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. 0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

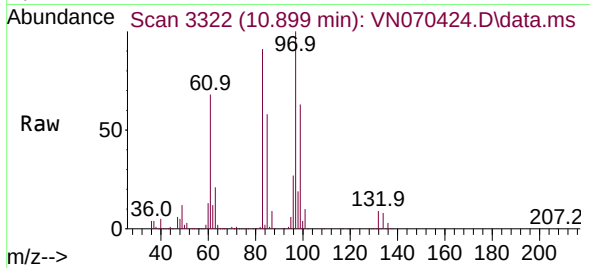
Tgt Ion: 75 Resp: 1781918
Ion Ratio Lower Upper
75 100
77 31.7 26.4 39.6
39 57.8 42.5 63.7





#55
1,1,2-Trichloroethane
Concen: 57.639 ug/l
RT: 10.899 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



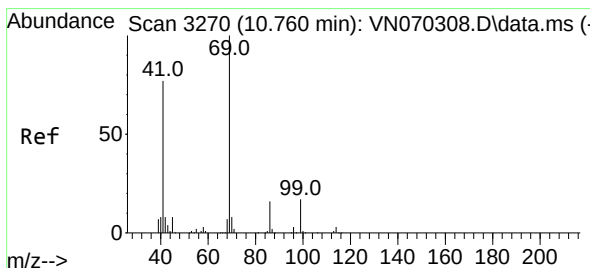
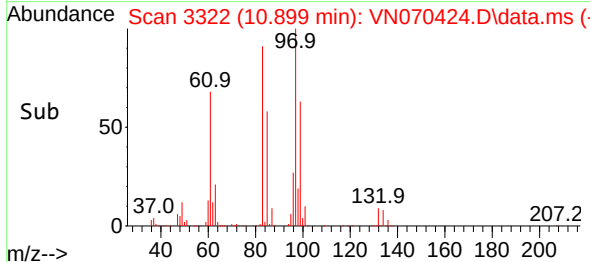
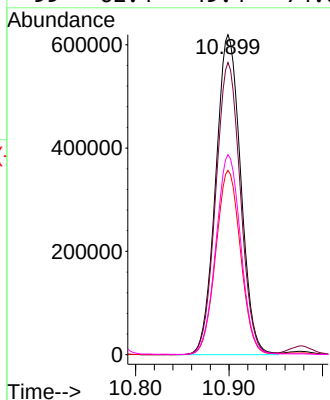
Tgt Ion: 97 Resp: 1151690
Ion Ratio Lower Upper
97 100
83 91.3 67.8 101.6
85 57.6 45.4 68.2
99 62.4 49.4 74.0

Manual Integrations
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Reviewed By :Amit Patel 01/03/2022
Supervised By :mohammad ahmed 01/03/2022

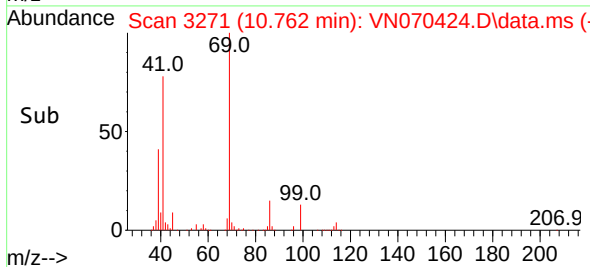
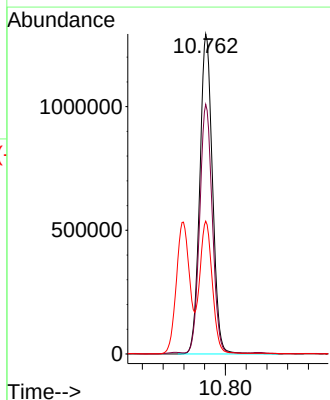
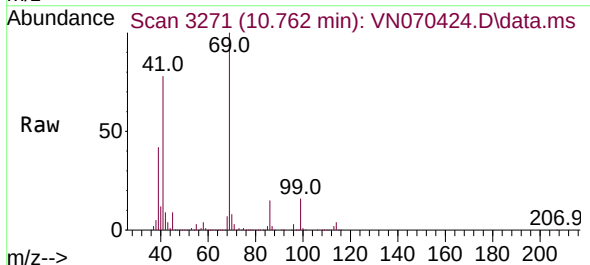
01/03/2022
Supervised By :mohammad
ahmed

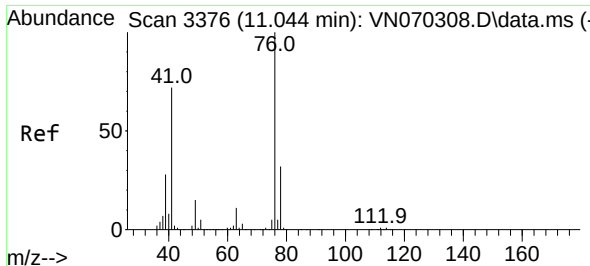
01/03/2022



#56
Ethyl methacrylate
Concen: 66.480 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Tgt Ion: 69 Resp: 2194876
Ion Ratio Lower Upper
69 100
41 77.3 51.4 77.0#
39 41.1 34.6 52.0





#57

1,3-Dichloropropane

Concen: 57.598 ug/l

RT: 11.046 min Scan# 31

Delta R.T. 0.002 min

Lab File: VN070424.D

Acq: 31 Dec 2021 3:29

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMSD

Tgt Ion: 76 Resp: 2035579

Ion Ratio Lower Upper

76 100

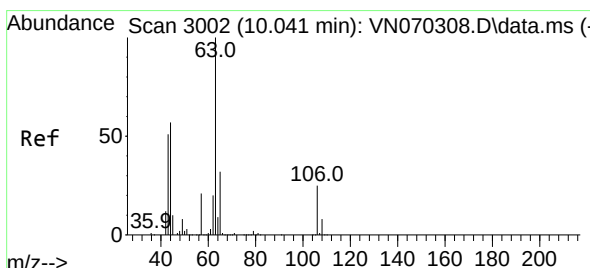
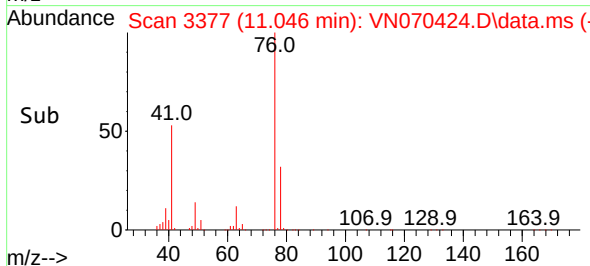
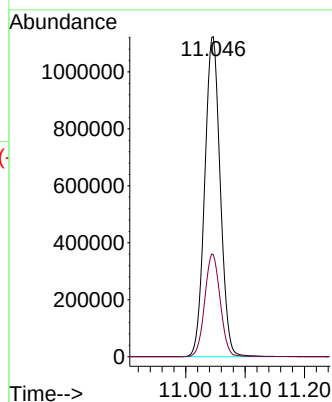
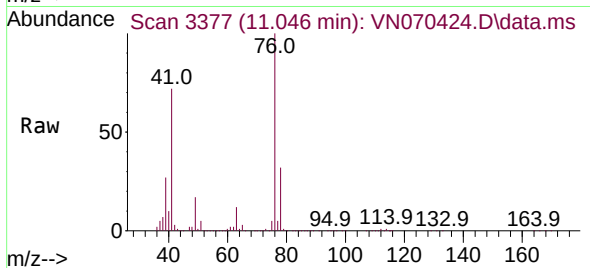
78 32.1 25.7 38.5

Manual Integrations

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Reviewed By :Amit Patel 01/03/2022

Supervised By :mohammad ahmed 01/03/2022



#58

2-Chloroethyl Vinyl ether

Concen: 318.627 ug/l

RT: 10.041 min Scan# 3002

Delta R.T. -0.000 min

Lab File: VN070424.D

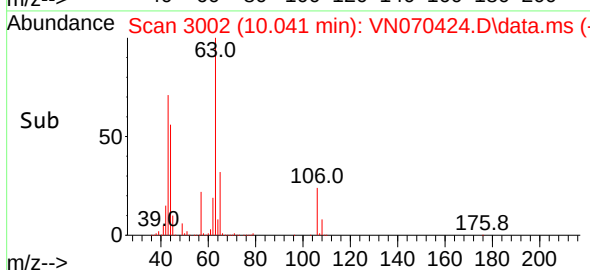
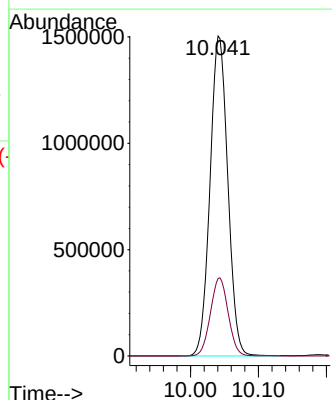
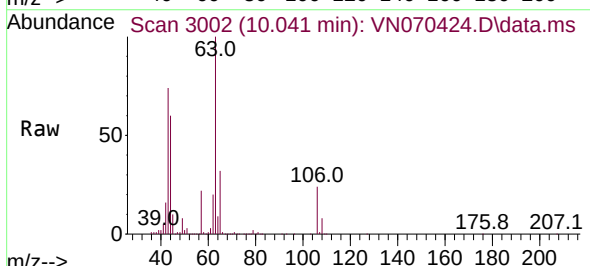
Acq: 31 Dec 2021 3:29

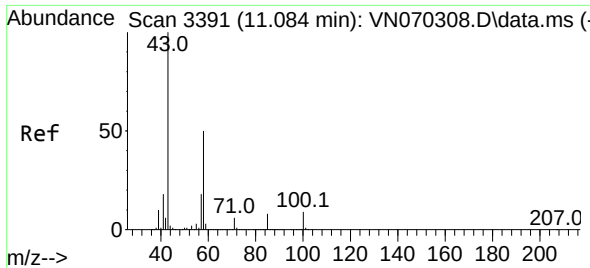
Tgt Ion: 63 Resp: 2733326

Ion Ratio Lower Upper

63 100

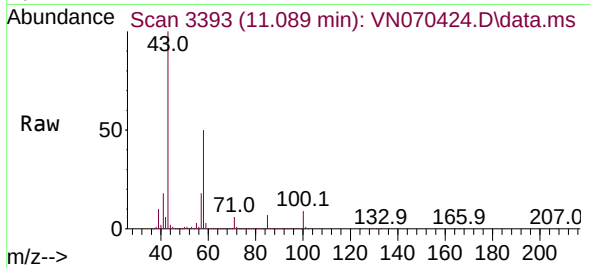
106 24.4 23.9 35.9





#59
2-Hexanone
Concen: 319.112 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

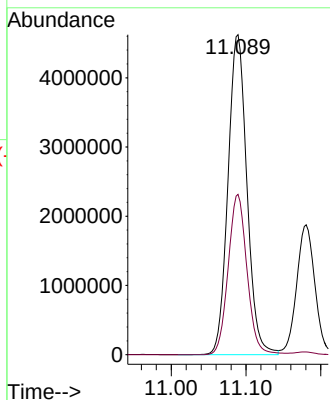
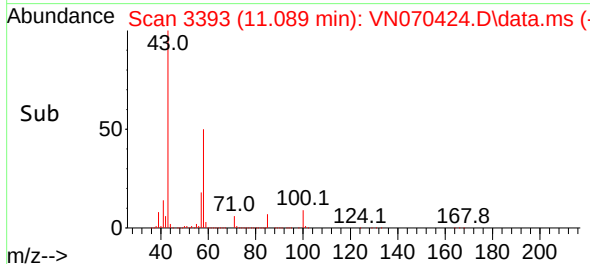
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 43 Resp: 813245
Ion Ratio Lower Upper
43 100
58 49.9 26.9 80.7

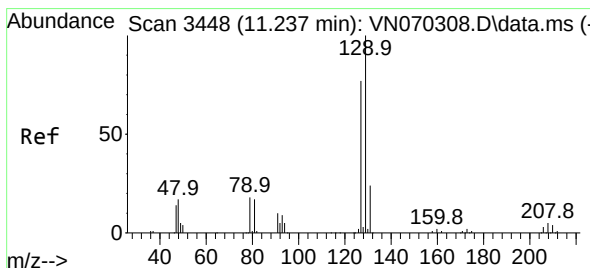
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Supervised By :mohammad ahmed 01/03/2022



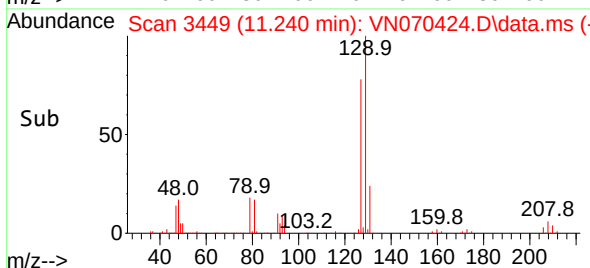
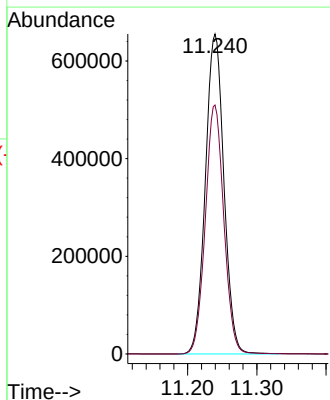
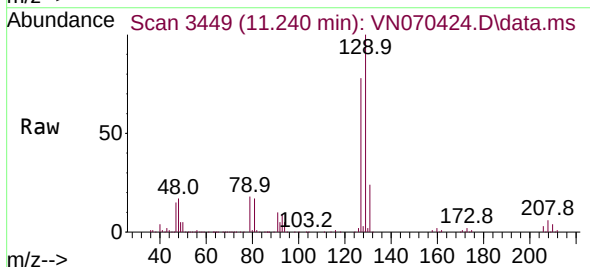
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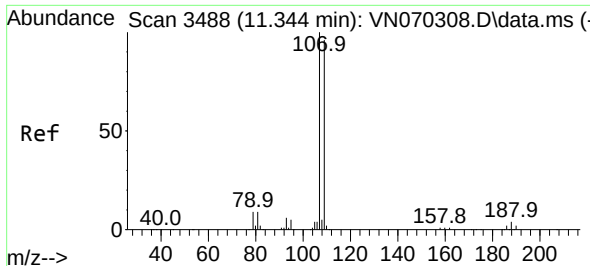
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#60
Dibromochloromethane
Concen: 62.535 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

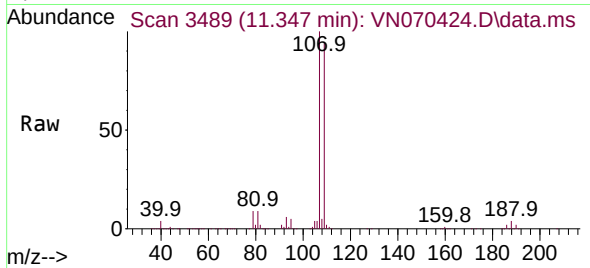
Tgt Ion:129 Resp: 1219132
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61
1,2-Dibromoethane
Concen: 59.421 ug/l
RT: 11.347 min Scan# 3488
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

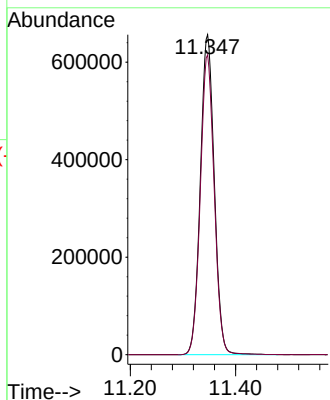
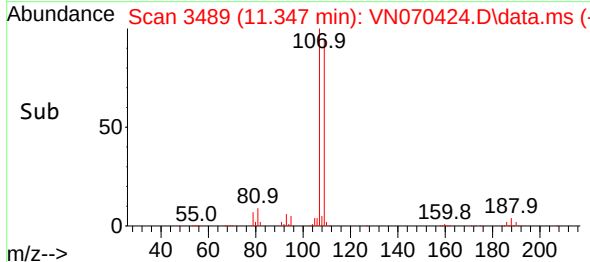
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion:107 Resp: 1205560
Ion Ratio Lower Upper
107 100
109 93.6 75.7 113.5

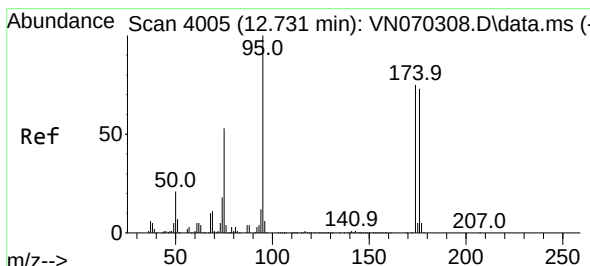
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Supervised By :mohammad ahmed 01/03/2022



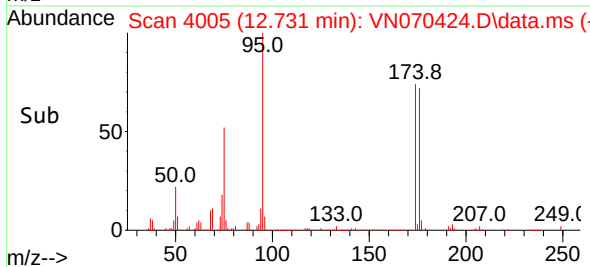
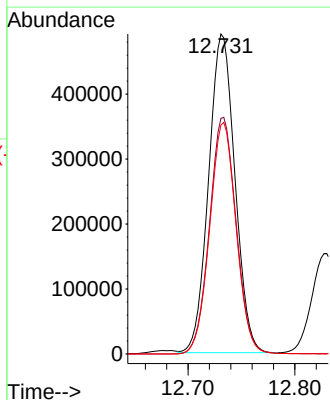
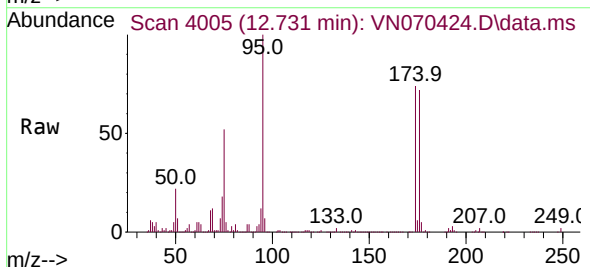
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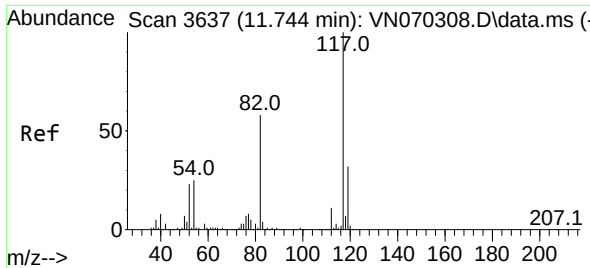
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#62
4-Bromofluorobenzene
Concen: 34.602 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

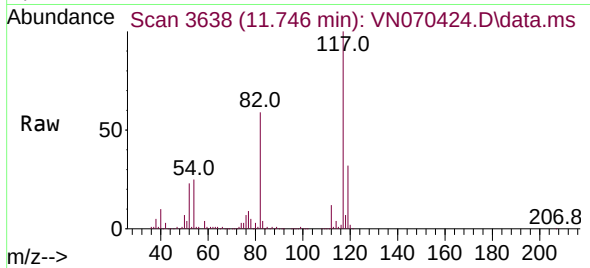
Tgt Ion: 95 Resp: 839881
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 73.1 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



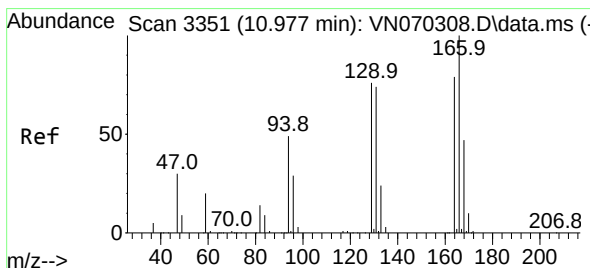
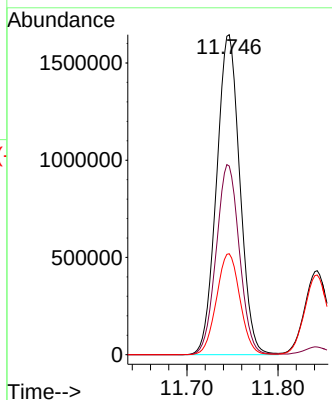
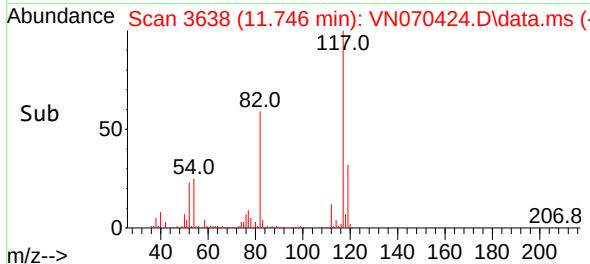
Tgt Ion:117 Resp: 291965
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 31.6 25.4 38.2

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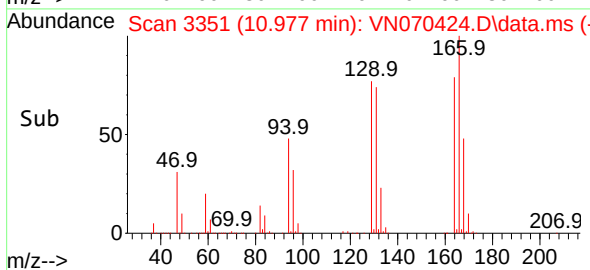
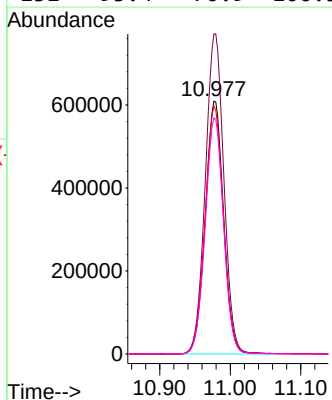
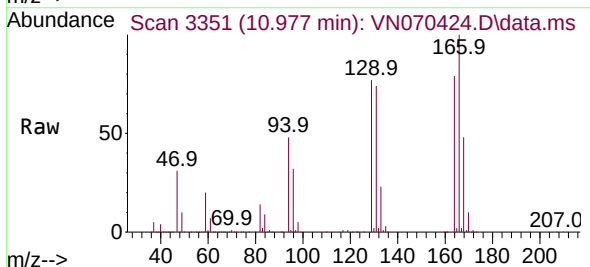
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ahmed

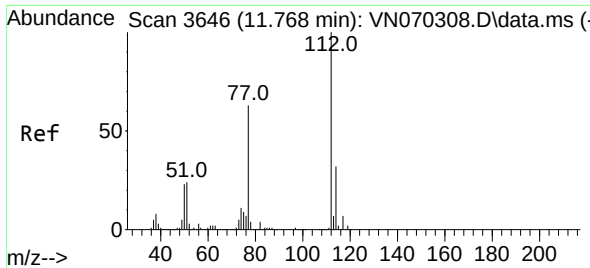
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#64
Tetrachloroethene
Concen: 52.164 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

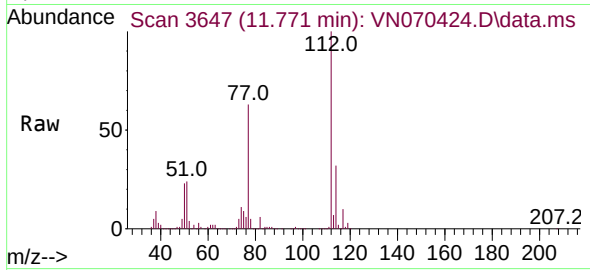
Tgt Ion:164 Resp: 1102871
Ion Ratio Lower Upper
164 100
166 126.6 101.9 152.9
129 98.0 72.0 108.0
131 93.4 70.9 106.3





#65
Chlorobenzene
Concen: 50.847 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

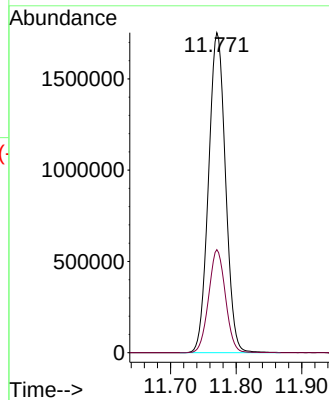
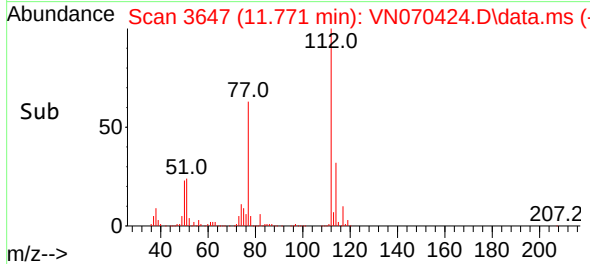
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion:112 Resp: 3149939
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0

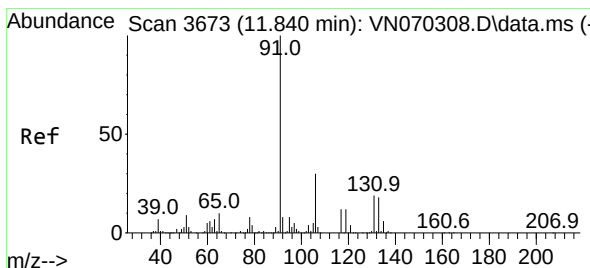
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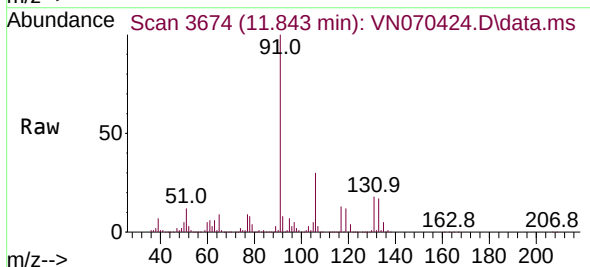


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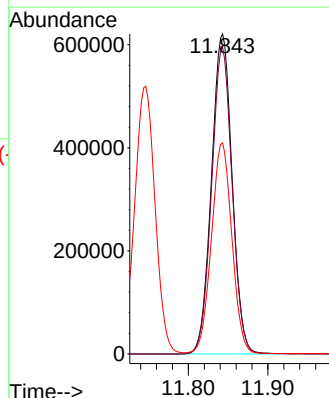
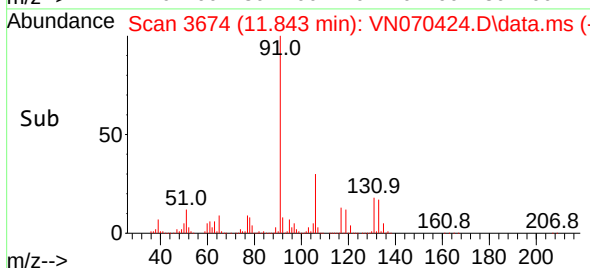
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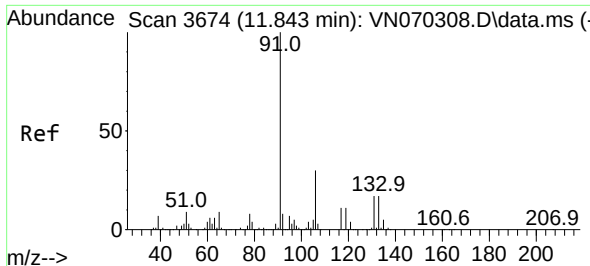


#66
1,1,1,2-Tetrachloroethane
Concen: 50.626 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29



Tgt Ion:131 Resp: 1119630
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.7
119 65.4 32.1 96.5





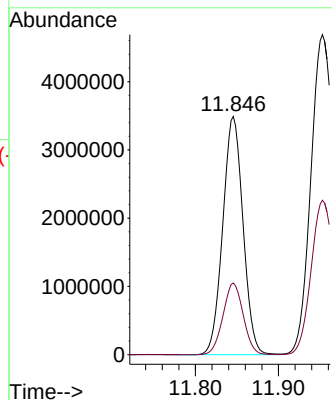
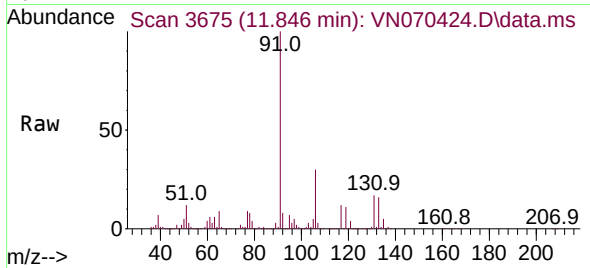
#67
Ethyl Benzene
Concen: 52.158 ug/l
RT: 11.846 min Scan# 3674
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD

Tgt Ion: 91 Resp: 592018
Ion Ratio Lower Upper
91 100
106 30.1 25.7 38.5

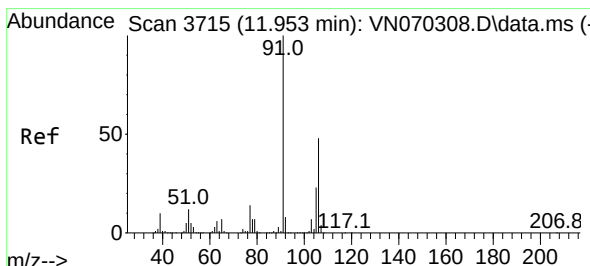
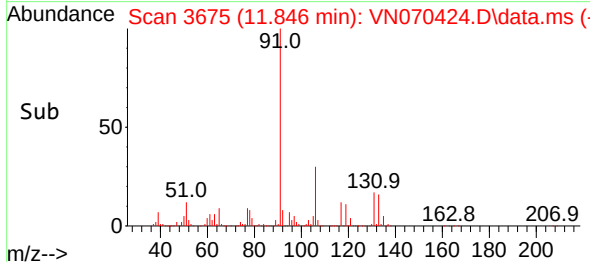
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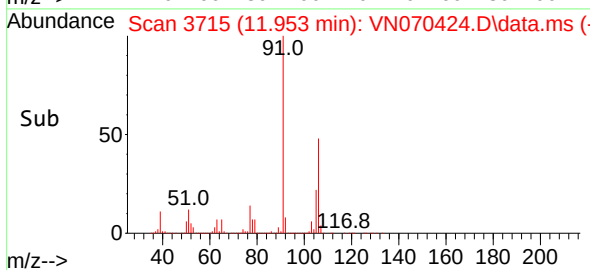
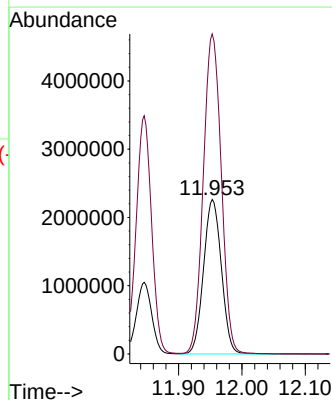
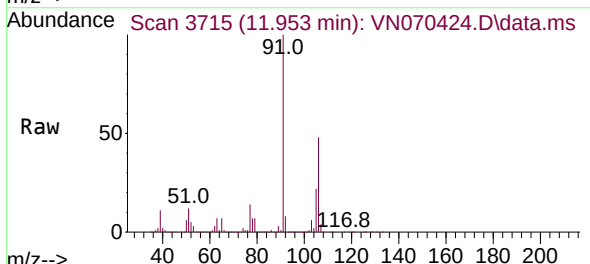
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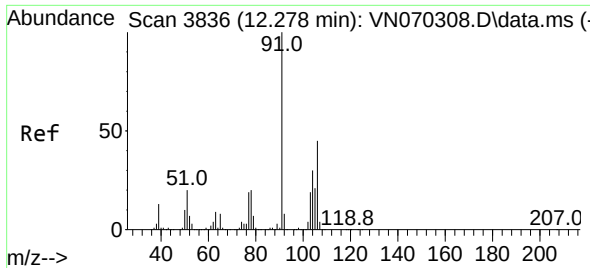
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#68
m/p-Xylenes
Concen: 106.847 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Tgt Ion:106 Resp: 4414497
Ion Ratio Lower Upper
106 100
91 209.2 160.6 240.8





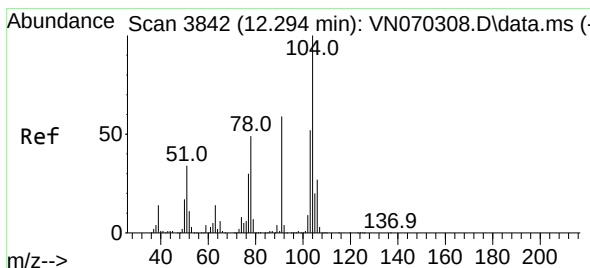
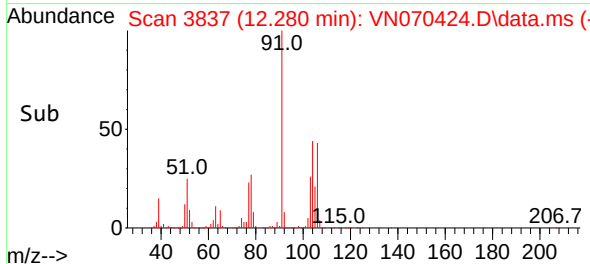
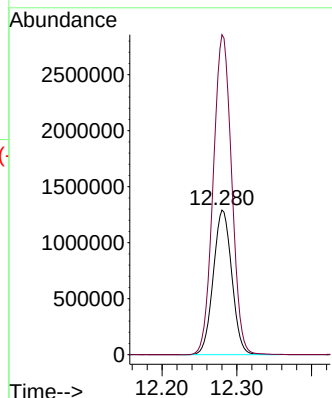
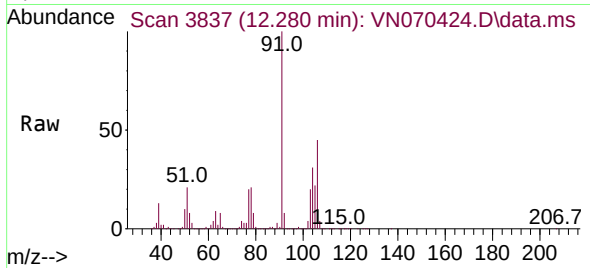
#69
o-Xylene
Concen: 53.897 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD

Tgt Ion:106 Resp: 221494
Ion Ratio Lower Upper
106 100
91 221.4 105.8 317.3

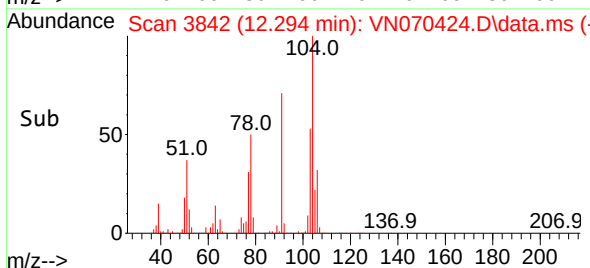
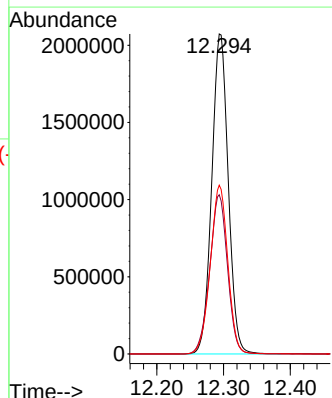
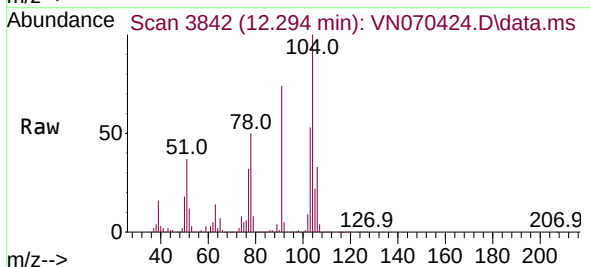
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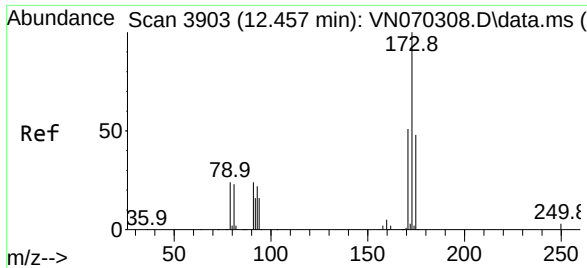
Reviewed By :Amit Patel 01/03/2022
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#70
Styrene
Concen: 54.720 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

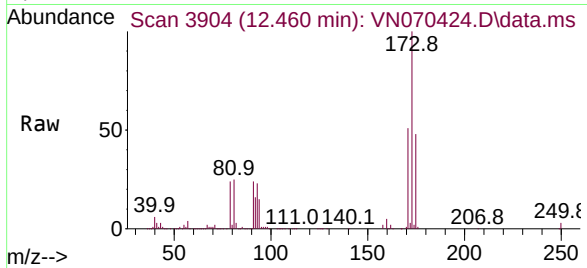
Tgt Ion:104 Resp: 3559097
Ion Ratio Lower Upper
104 100
78 53.7 38.7 58.1
103 56.0 45.0 67.6





#71
Bromoform
Concen: 55.679 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



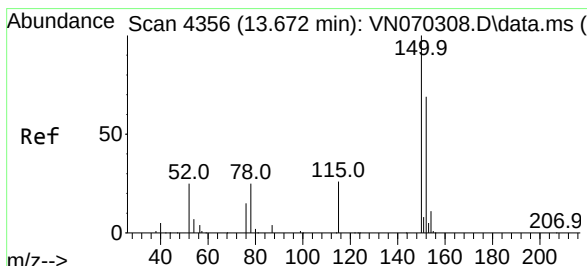
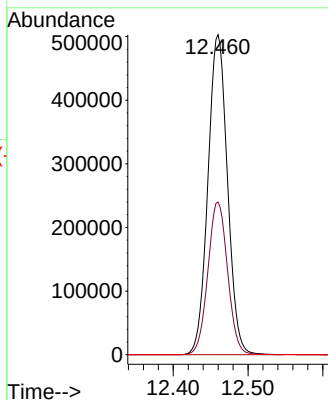
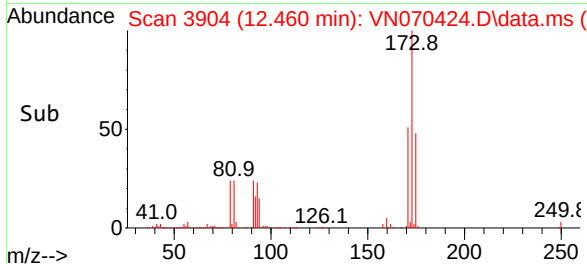
Tgt Ion:173 Resp: 913860
Ion Ratio Lower Upper
173 100
175 48.2 24.2 72.6
254 0.0 0.0 0.0

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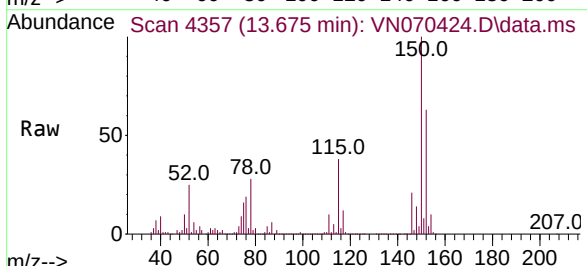
Reviewed By :Amit Patel 01/03/2022
Supervised By :mohammad ahmed 01/03/2022

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Supervised By :mohammad
ahmed

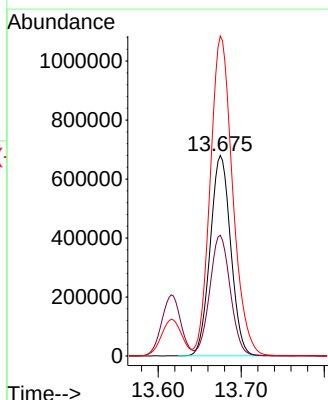
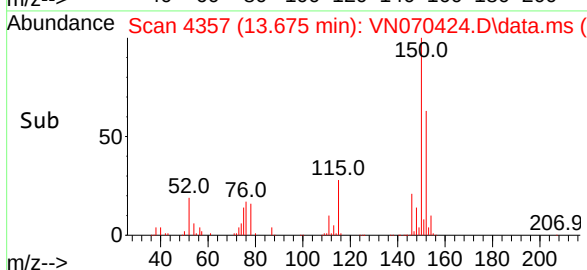
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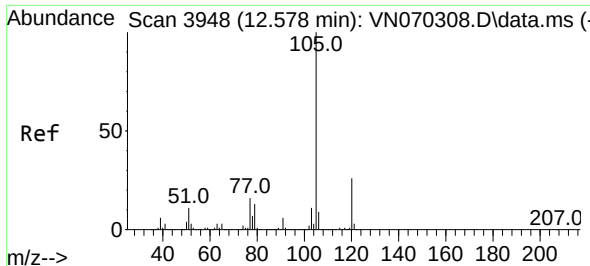


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29



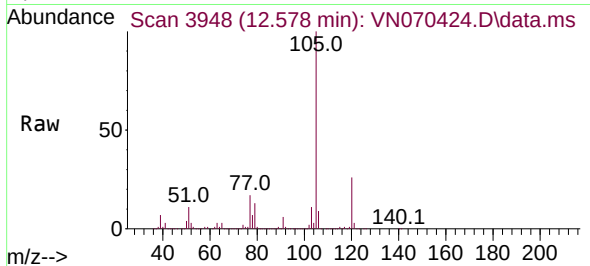
Tgt Ion:152 Resp: 1166572
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 174.5 0.0 344.4





#73
Isopropylbenzene
Concen: 53.146 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

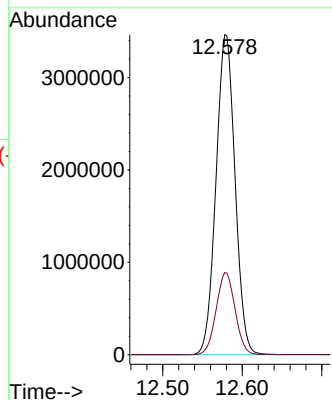
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 105 Resp: 575753
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1

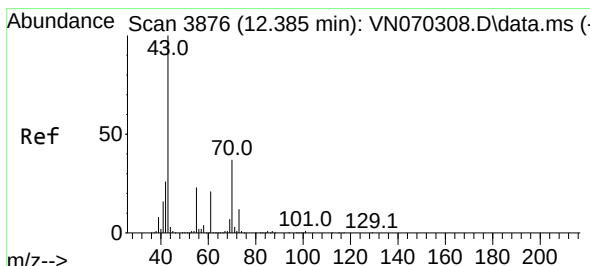
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Supervised By :mohammad ahmed 01/03/2022



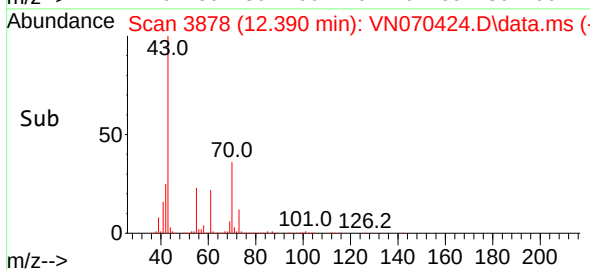
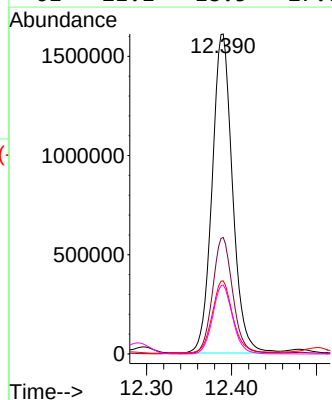
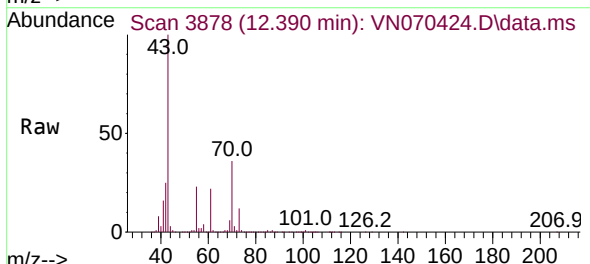
01/03/2022
Supervised By :mohammad
ahmed

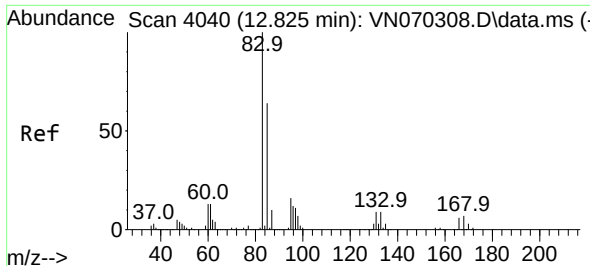
01/03/2022



#74
N-ethyl acetate
Concen: 58.859 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.005 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

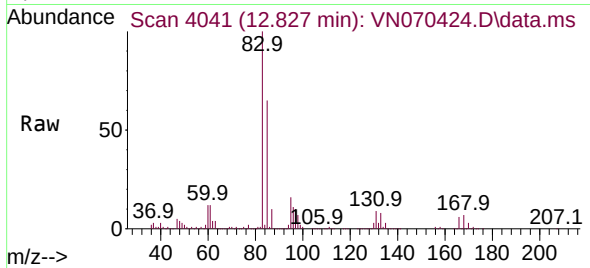
Tgt Ion: 43 Resp: 2681041
Ion Ratio Lower Upper
43 100
70 36.4 33.4 50.0
55 22.5 19.3 28.9
61 21.1 18.5 27.7





#75
1,1,2,2-Tetrachloroethane
Concen: 48.433 ug/l
RT: 12.827 min Scan# 4040
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
Client Sample Id : POST-EXCAVATION-BOTTOM-EASTMEMSD



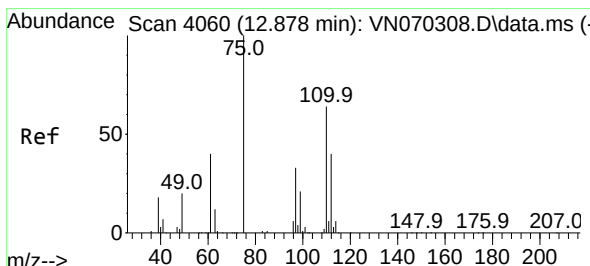
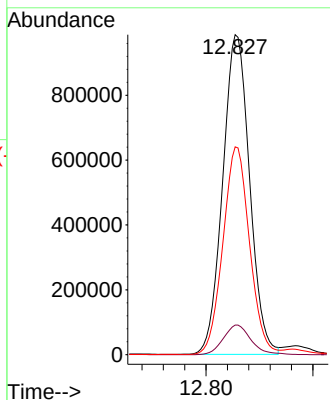
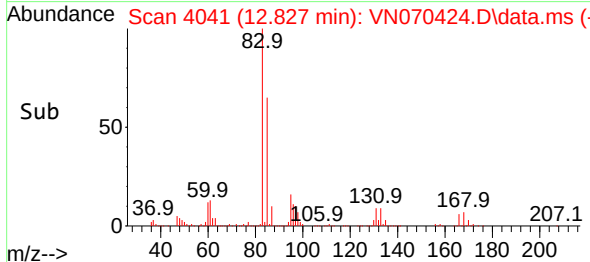
Tgt Ion: 83 Resp: 172575
Ion Ratio Lower Upper
83 100
131 9.5 5.5 16.5
85 64.2 32.4 97.2

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Reviewed By :Amit Patel 01/03/2022
Supervised By :mohammad ahmed 01/03/2022

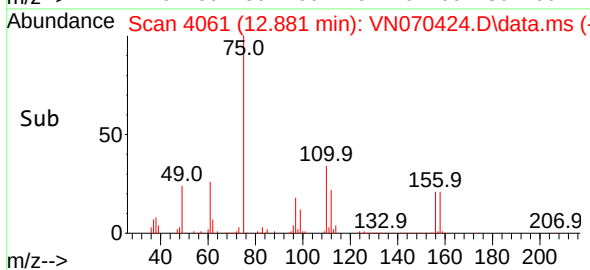
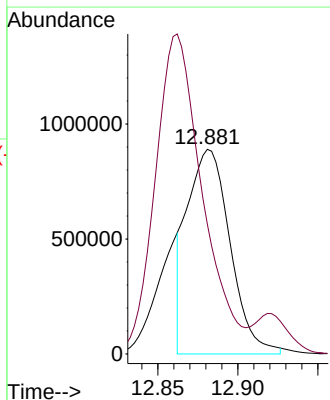
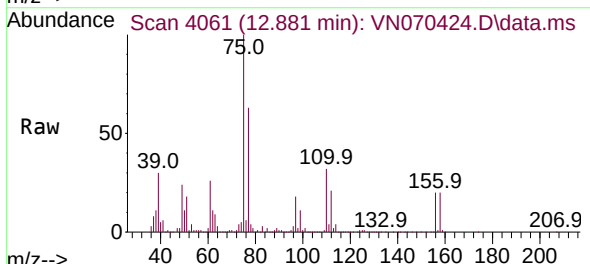
01/03/2022
Supervised By :mohammad
ahmed

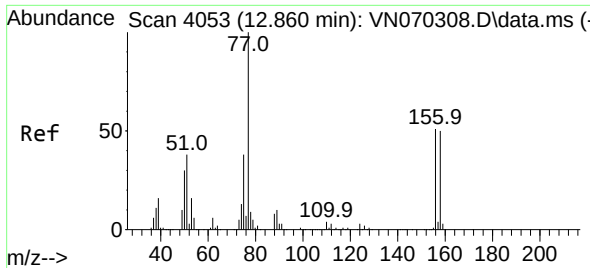
01/03/2022



#76
1,2,3-Trichloropropane
Concen: 48.083 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

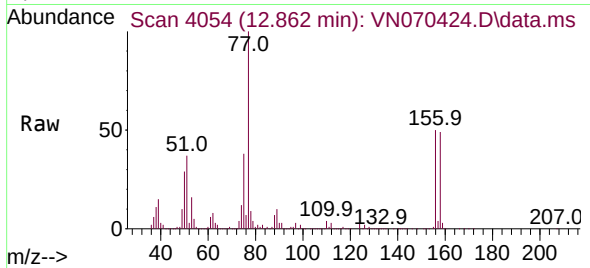
Tgt Ion: 75 Resp: 1656794
Ion Ratio Lower Upper
75 100
77 171.5 82.6 247.8





#77
Bromobenzene
Concen: 48.909 ug/l
RT: 12.862 min Scan# 4053
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



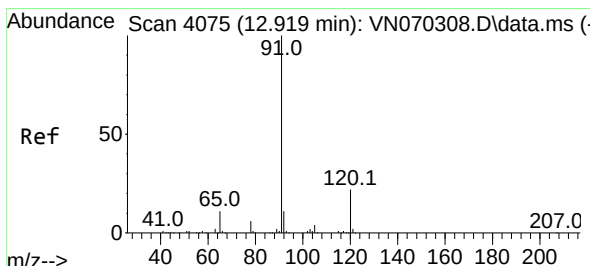
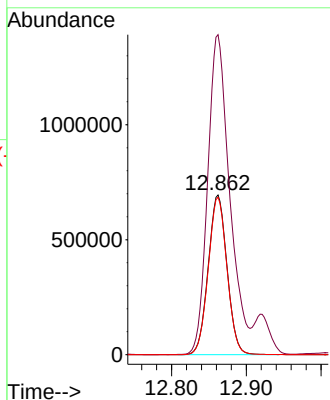
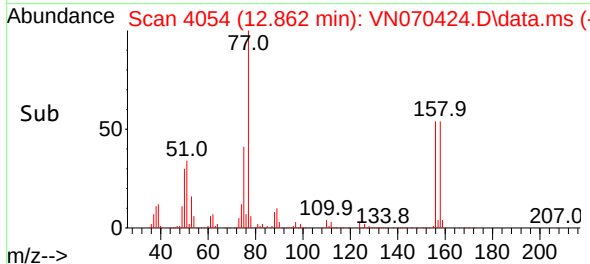
Tgt Ion:156 Resp: 1216438
Ion Ratio Lower Upper
156 100
77 233.5 90.6 271.8
158 98.2 48.9 146.7

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Reviewed By :Amit Patel 01/03/2022
Supervised By :mohammad ahmed 01/03/2022

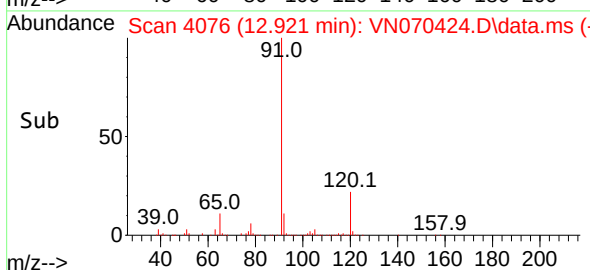
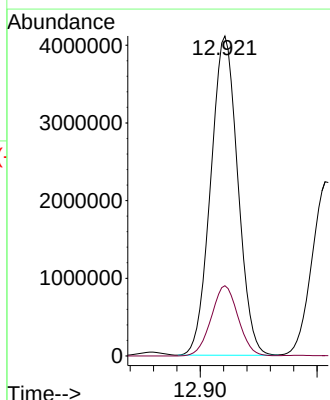
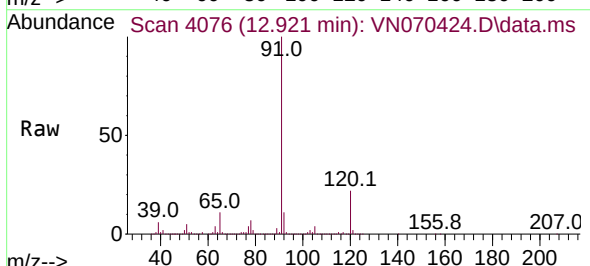
01/03/2022
Supervised By :mohammad
ahmed

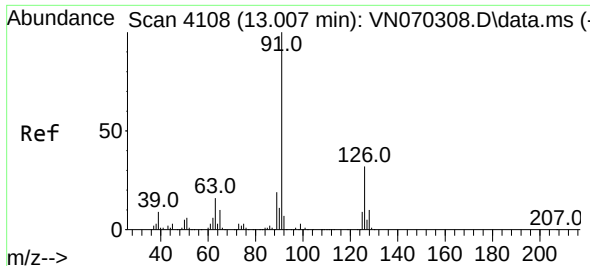
01/03/2022



#78
n-propylbenzene
Concen: 55.053 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

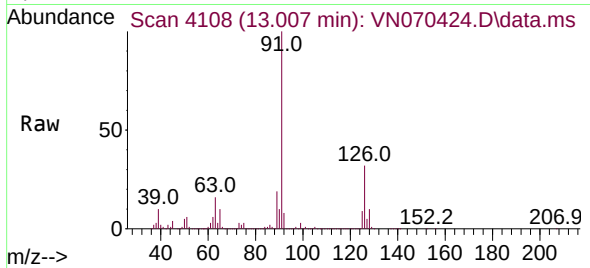
Tgt Ion: 91 Resp: 6608040
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.9





#79
2-Chlorotoluene
Concen: 49.705 ug/l
RT: 13.007 min Scan# 4108
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

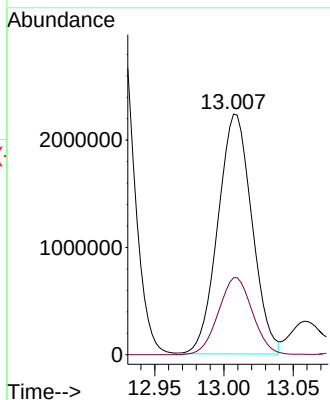
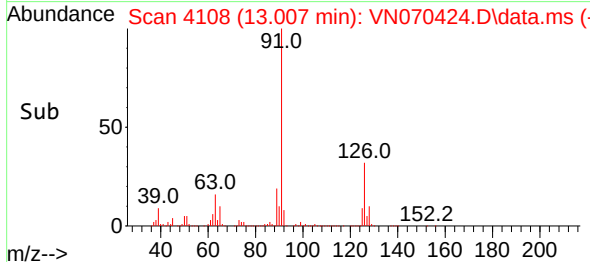
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 91 Resp: 3828089
Ion Ratio Lower Upper
91 100
126 32.2 18.3 54.8

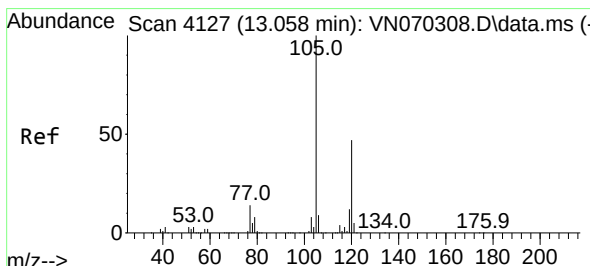
Manual Integrations
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Supervised By :mohammad ahmed 01/03/2022



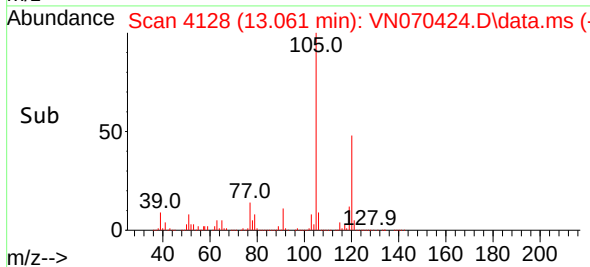
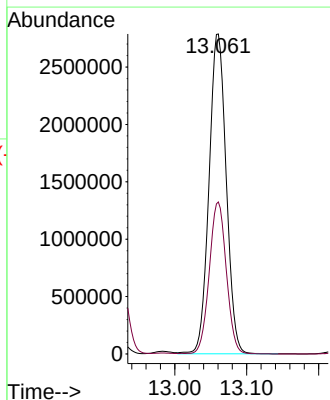
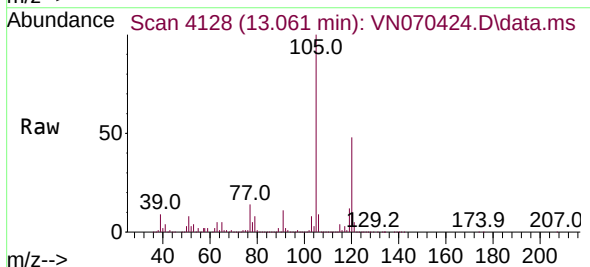
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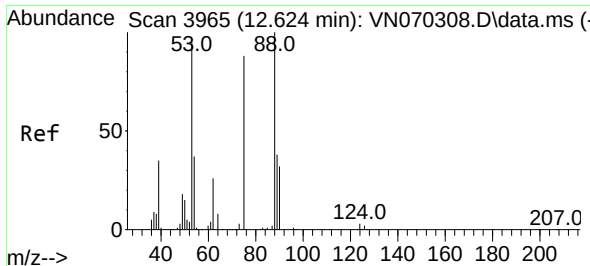
01/03/2022



#80
1,3,5-Trimethylbenzene
Concen: 53.280 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

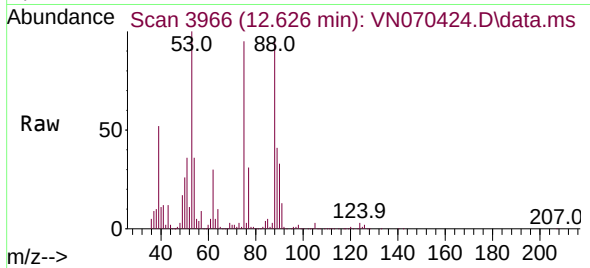
Tgt Ion:105 Resp: 4625448
Ion Ratio Lower Upper
105 100
120 47.1 24.6 73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 53.645 ug/l
RT: 12.626 min Scan# 3965
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

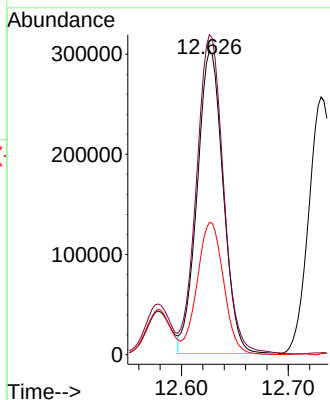
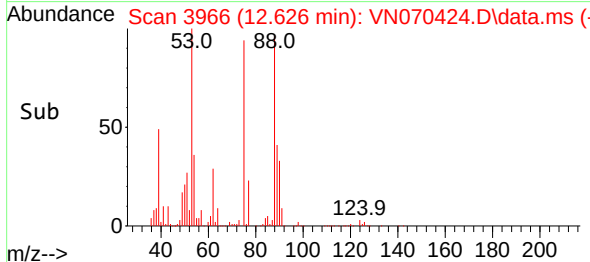
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



Tgt Ion: 75 Resp: 51221
Ion Ratio Lower Upper
75 100
53 109.0 90.5 135.7
89 44.3 38.2 57.4

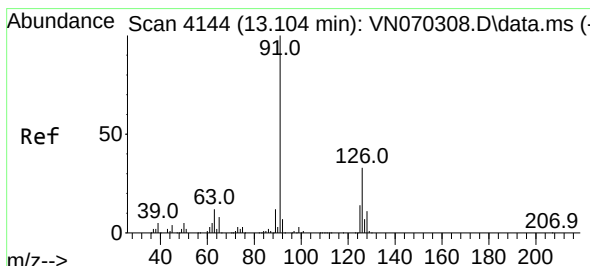
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Supervised By :mohammad ahmed 01/03/2022



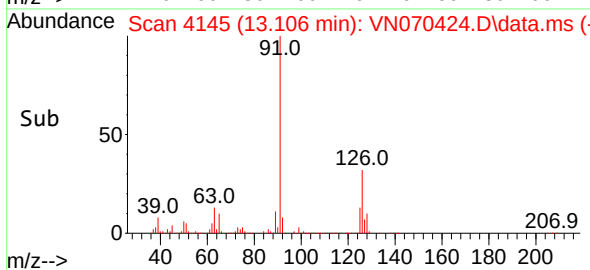
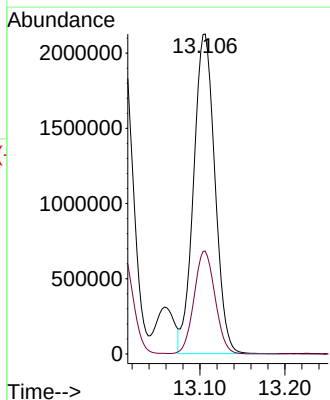
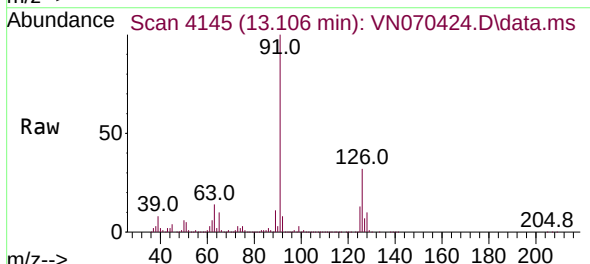
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Supervised By :mohammad
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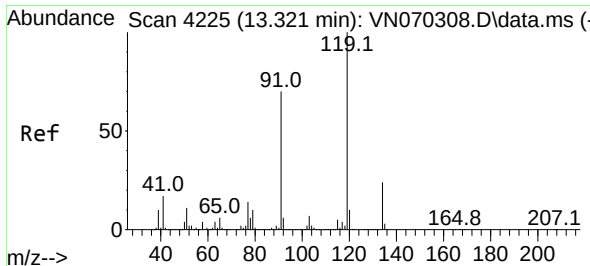
01/03/2022



#82
4-Chlorotoluene
Concen: 51.202 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

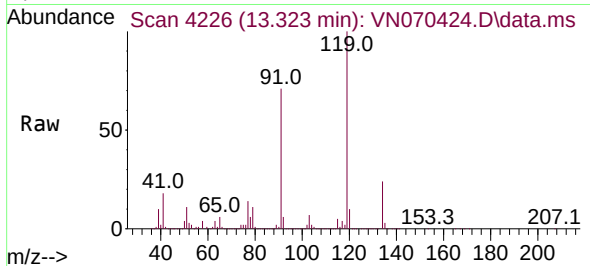
Tgt Ion: 91 Resp: 3693789
Ion Ratio Lower Upper
91 100
126 31.8 18.2 54.6





#83
tert-Butylbenzene
Concen: 51.937 ug/l
RT: 13.323 min Scan# 4225
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



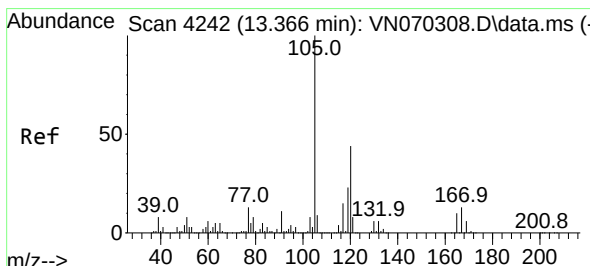
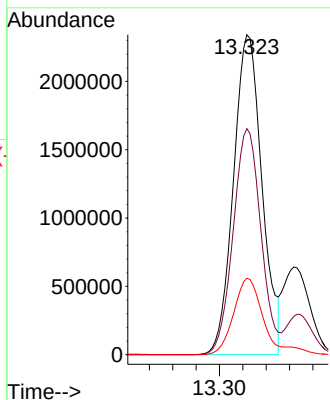
Tgt Ion:119 Resp: 3970198
Ion Ratio Lower Upper
119 100
91 69.3 31.5 94.5
134 25.4 12.4 37.4

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Supervised By :mohammad ahmed 01/03/2022

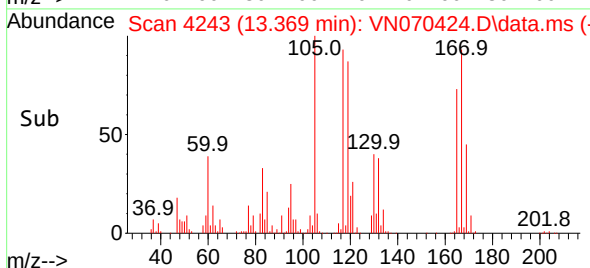
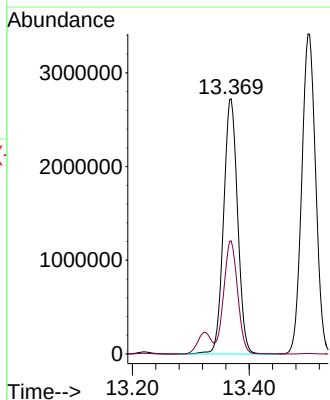
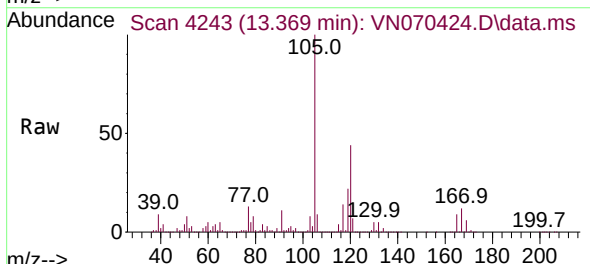
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Supervised By :mohammad
ahmed

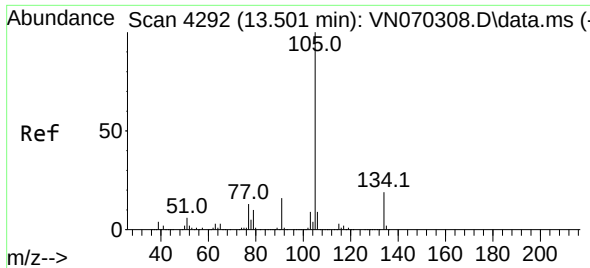
01/03/2022



#84
1,2,4-Trimethylbenzene
Concen: 54.326 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

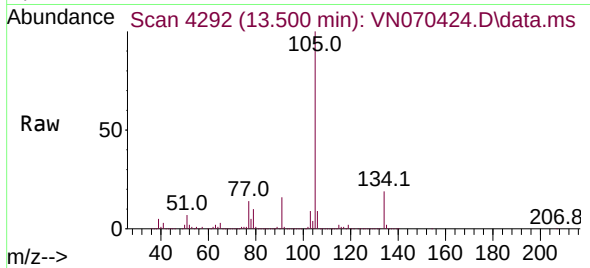
Tgt Ion:105 Resp: 4541356
Ion Ratio Lower Upper
105 100
120 44.1 22.8 68.4





#85
 sec-Butylbenzene
 Concen: 54.291 ug/l
 RT: 13.500 min Scan# 41
 Delta R.T. -0.001 min
 Lab File: VN070424.D
 Acq: 31 Dec 2021 3:29

Instrument :
 MSVOA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMEMSD



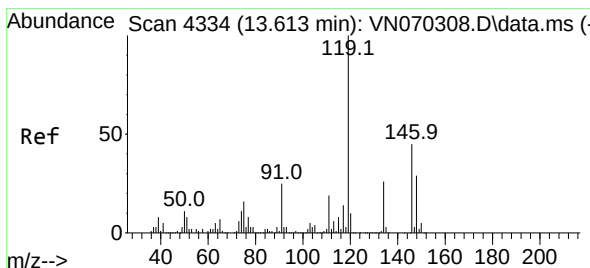
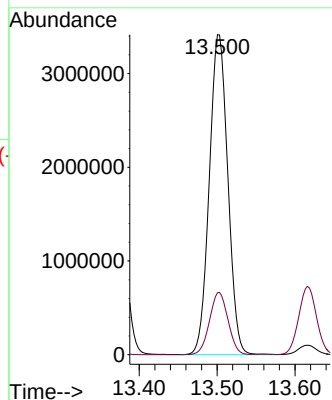
Tgt Ion:105 Resp: 563447
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.4 31.1

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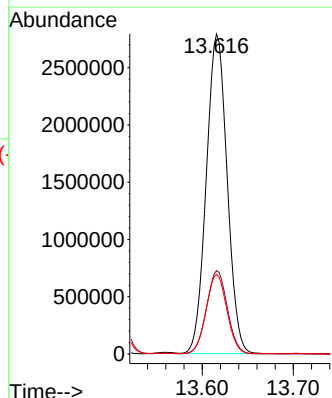
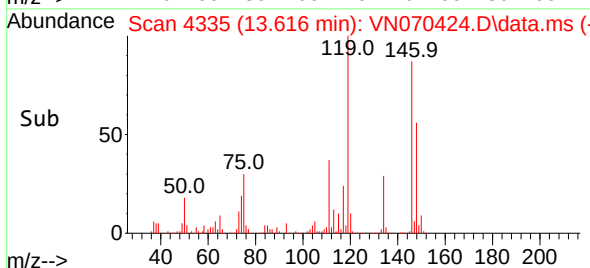
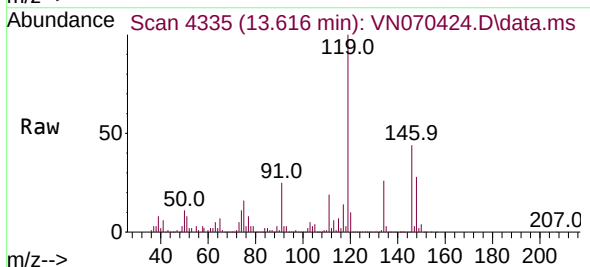
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 ahmed

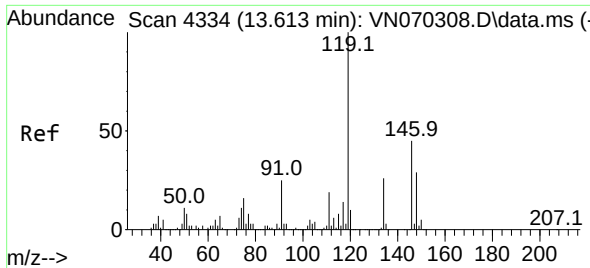
01/03/2022



#86
 p-Isopropyltoluene
 Concen: 54.378 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.003 min
 Lab File: VN070424.D
 Acq: 31 Dec 2021 3:29

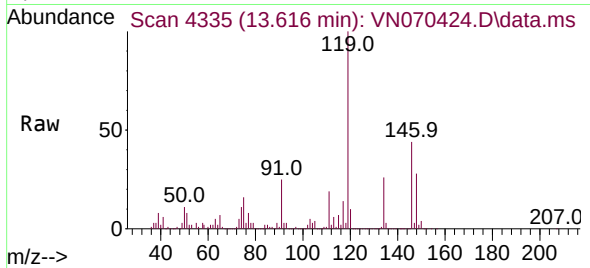
Tgt Ion:119 Resp: 4433135
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.6 40.7
 91 24.6 11.4 34.1





#87
1,3-Dichlorobenzene
Concen: 50.584 ug/l
RT: 13.616 min Scan# 4334
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



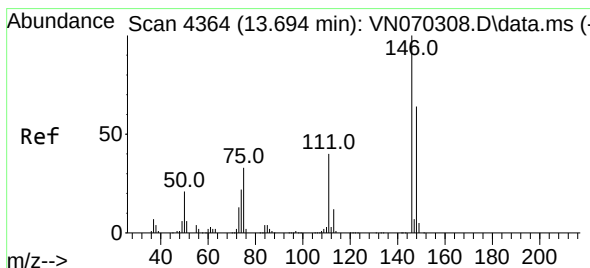
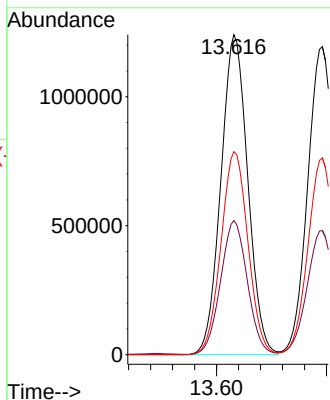
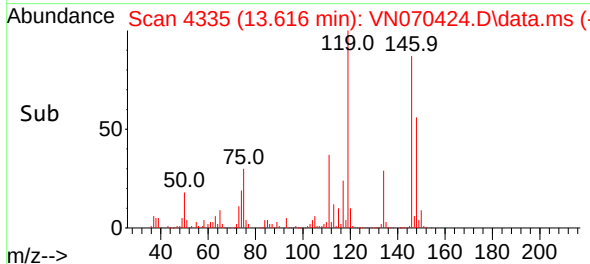
Tgt Ion:146 Resp: 210612
Ion Ratio Lower Upper
146 100
111 41.7 18.6 55.6
148 63.8 31.6 95.0

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Supervised By :mohammad ahmed 01/03/2022

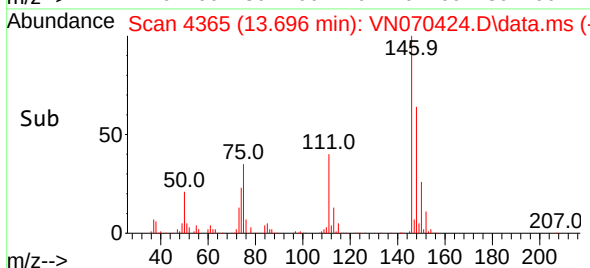
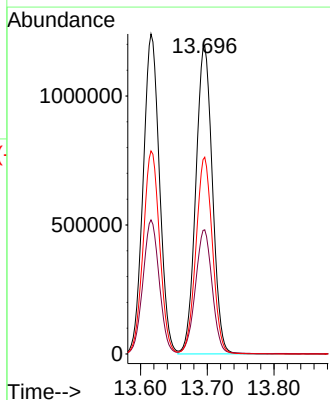
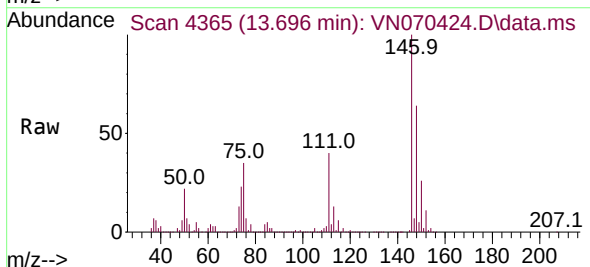
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Supervised By :mohammad
ahmed

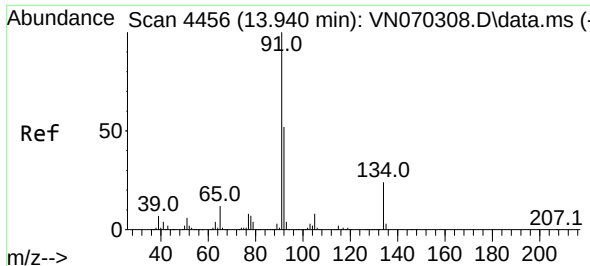
01/03/2022



#88
1,4-Dichlorobenzene
Concen: 50.297 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

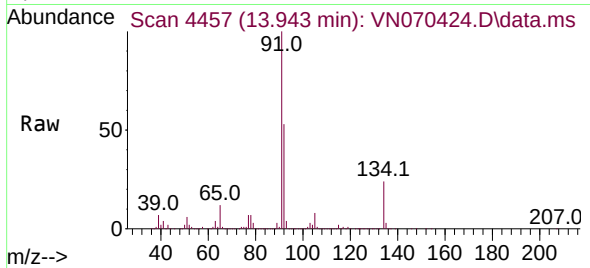
Tgt Ion:146 Resp: 2065736
Ion Ratio Lower Upper
146 100
111 40.6 18.3 54.8
148 63.3 31.8 95.4





#89
n-Butylbenzene
Concen: 57.817 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



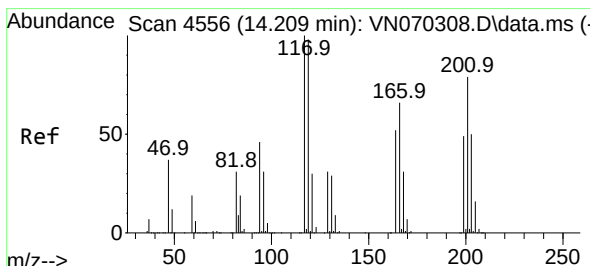
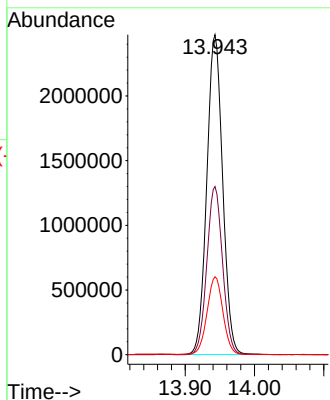
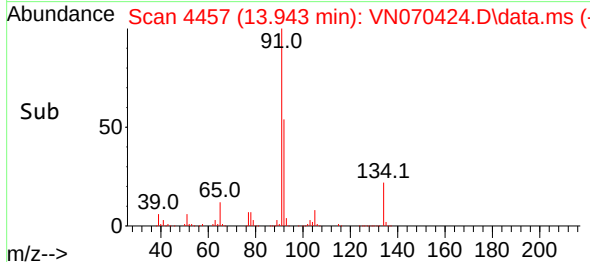
Tgt Ion: 91 Resp: 393157
Ion Ratio Lower Upper
91 100
92 52.3 25.4 76.0
134 24.3 13.6 40.8

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Supervised By :mohammad ahmed 01/03/2022

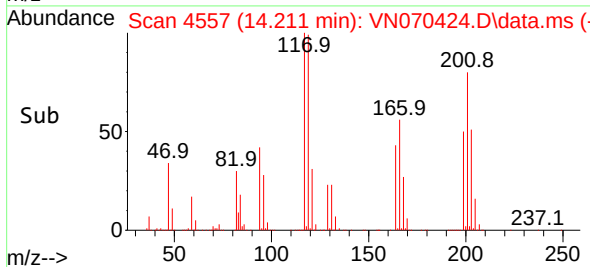
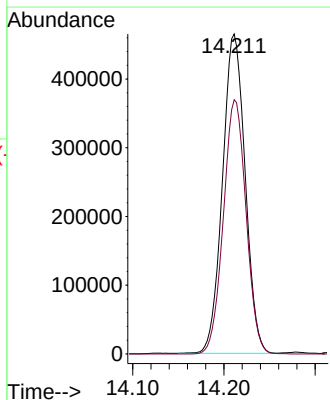
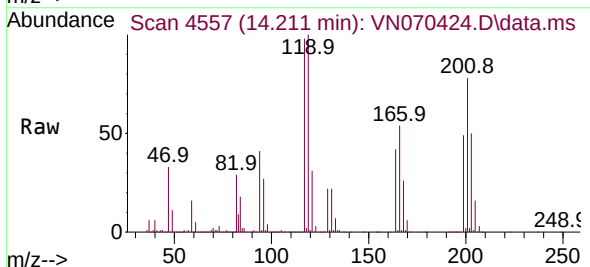
01/03/2022
Supervised By :mohammad
ahmed

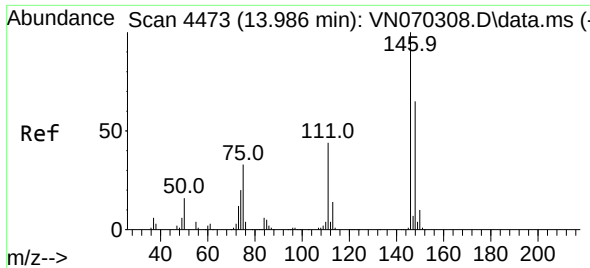
01/03/2022



#90
Hexachloroethane
Concen: 56.559 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.002 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

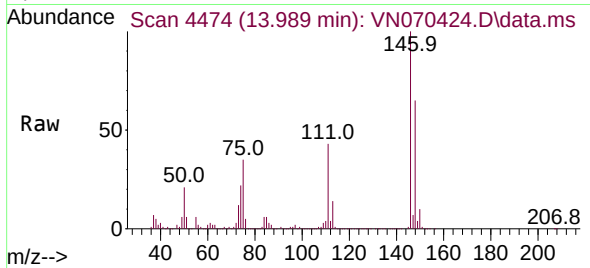
Tgt Ion:117 Resp: 801038
Ion Ratio Lower Upper
117 100
201 79.7 43.9 131.6





#91
1,2-Dichlorobenzene
Concen: 49.936 ug/l
RT: 13.989 min Scan# 4473
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



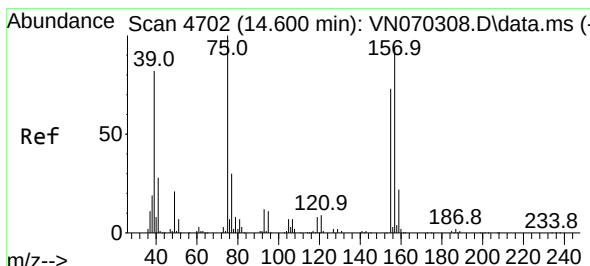
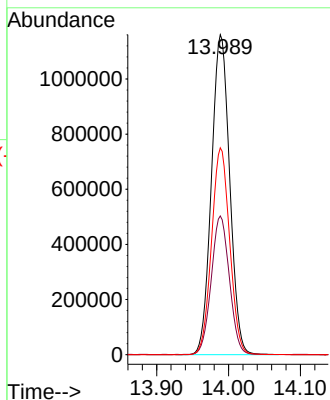
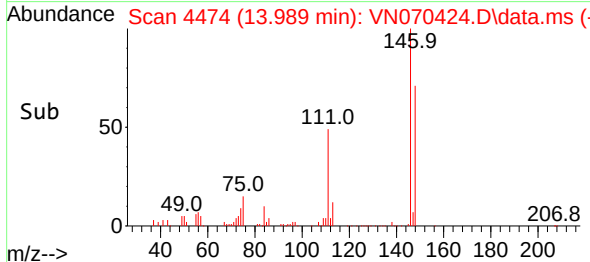
Tgt Ion:146 Resp: 2038214
Ion Ratio Lower Upper
146 100
111 43.1 19.1 57.3
148 64.2 32.1 96.3

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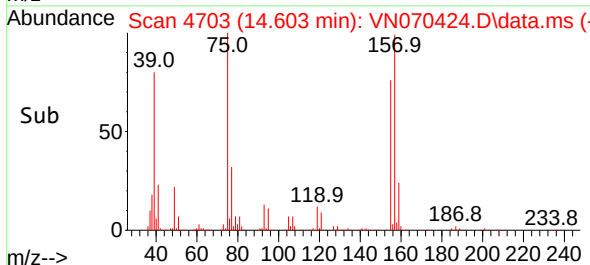
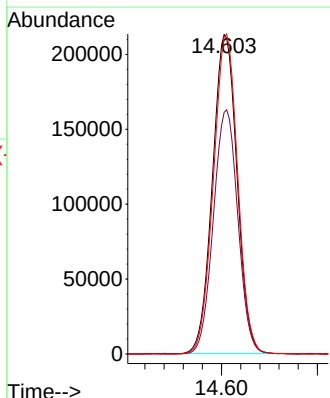
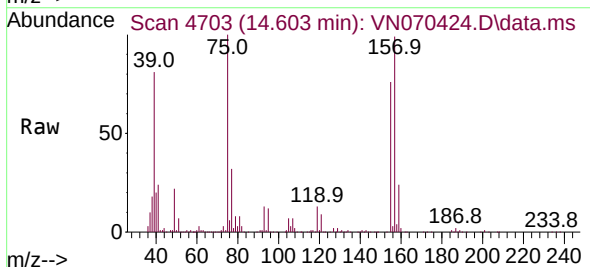
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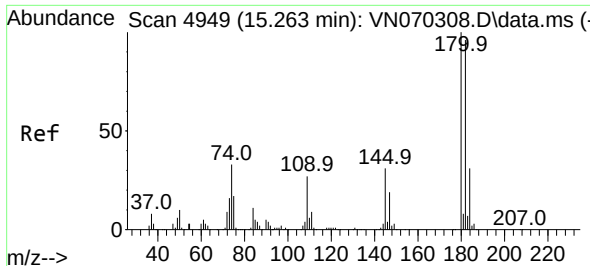
01/03/2022



#92
1,2-Dibromo-3-Chloropropane
Concen: 60.290 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

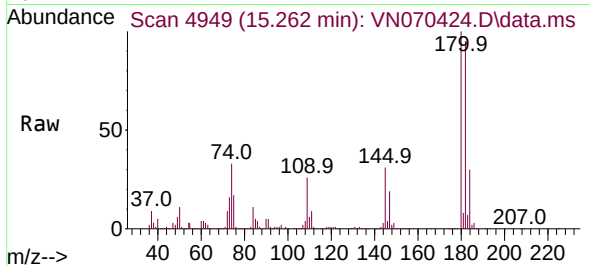
Tgt Ion: 75 Resp: 378361
Ion Ratio Lower Upper
75 100
155 76.5 46.9 140.7
157 99.4 60.6 181.7





#93
1,2,4-Trichlorobenzene
Concen: 57.233 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.001 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMSD



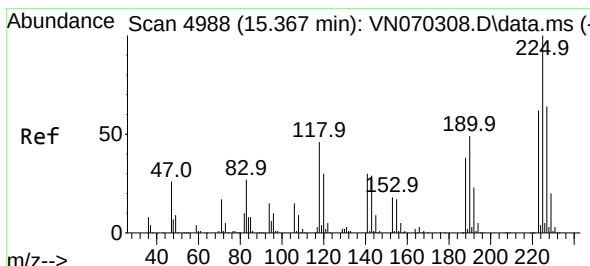
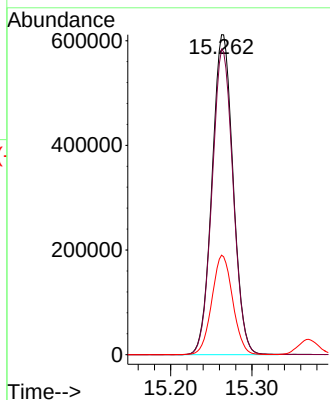
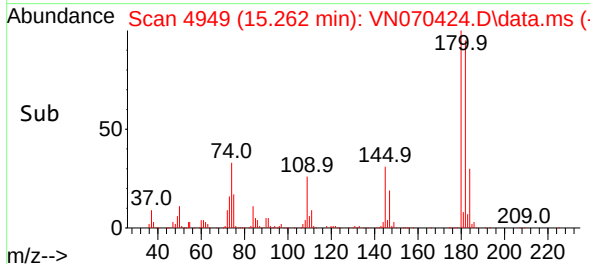
Tgt Ion:180 Resp: 110071
Ion Ratio Lower Upper
180 100
182 95.3 48.3 144.9
145 30.9 14.5 43.5

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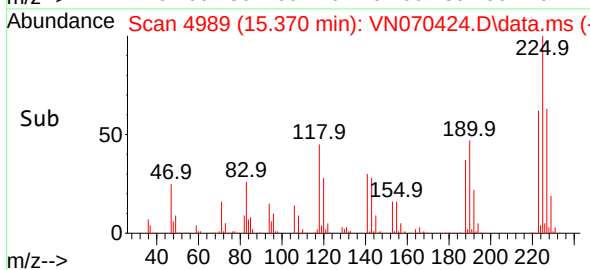
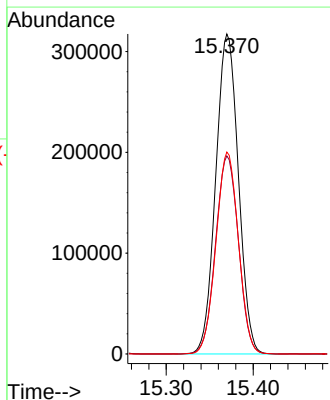
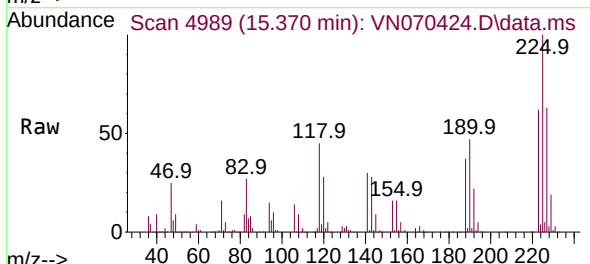
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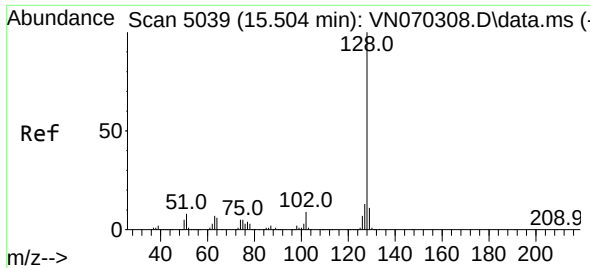
01/03/2022



#94
Hexachlorobutadiene
Concen: 51.370 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

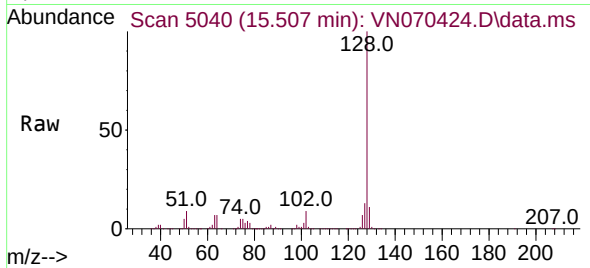
Tgt Ion:225 Resp: 574182
Ion Ratio Lower Upper
225 100
223 62.6 31.9 95.7
227 62.7 32.1 96.3





#95
Naphthalene
Concen: 61.581 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMSD



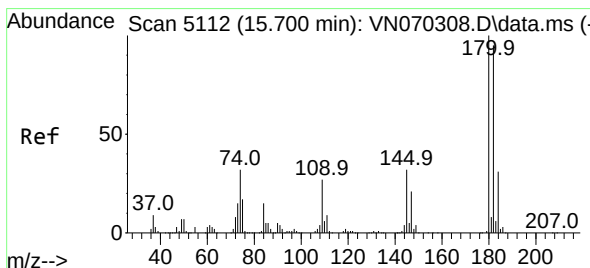
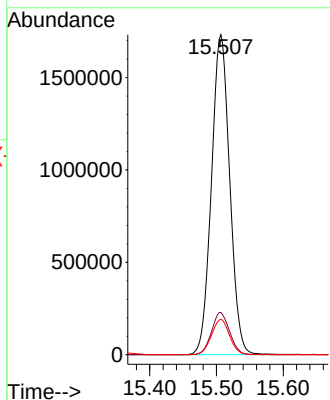
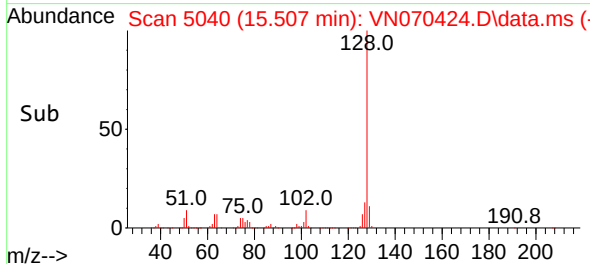
Tgt Ion:128 Resp: 329611
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1

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Supervised By :mohammad ahmed 01/03/2022

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Supervised By :mohammad
ahmed

01/03/2022



#96
1,2,3-Trichlorobenzene
Concen: 57.966 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.000 min
Lab File: VN070424.D
Acq: 31 Dec 2021 3:29

Tgt Ion:180 Resp: 1068805
Ion Ratio Lower Upper
180 100
182 95.4 47.4 142.2
145 32.7 15.0 45.1

