

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071409.D
 Acq On : 21 Dec 2021 14:25
 Operator : VA/SY
 Sample : M5179-03MS
 Misc : 6.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMS

Quant Time: Dec 21 19:06:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	19173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	36588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	38020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	23085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	21574	95.896	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 191.800%#			
35) Dibromofluoromethane	7.920	113	15924	68.347	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 136.700%			
50) Toluene-d8	10.332	98	44709	50.425	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.620	95	21548	70.111	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 140.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	6331	38.721	ug/l #	71
3) Chloromethane	2.209	50	9879	45.671	ug/l	89
4) Vinyl Chloride	2.350	62	12937	53.608	ug/l	93
5) Bromomethane	2.779	94	11341	65.191	ug/l	86
6) Chloroethane	2.932	64	8771	52.844	ug/l #	79
7) Trichlorofluoromethane	3.279	101	15988	48.906	ug/l	96
8) Diethyl Ether	3.715	74	11309	127.603	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	9802	50.821	ug/l	99
10) Methyl Iodide	4.315	142	7454	34.773	ug/l	89
11) Tert butyl alcohol	5.226	59	26442	1414.698	ug/l #	93
12) 1,1-Dichloroethene	4.073	96	8639	48.536	ug/l #	86
13) Acrolein	3.926	56	21623	1406.473	ug/l	99
14) Allyl chloride	4.720	41	21424	63.369	ug/l #	60
15) Acrylonitrile	5.420	53	86126	1998.209	ug/l	97
16) Acetone	4.162	43	100829	1510.715	ug/l #	80
17) Carbon Disulfide	4.409	76	20280	38.916	ug/l #	90
18) Methyl Acetate	4.720	43	60634	365.289	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	63548	145.683	ug/l	99
20) Methylene Chloride	4.956	84	20026	91.695	ug/l	85
21) trans-1,2-Dichloroethene	5.479	96	11780	58.795	ug/l #	81
22) Diisopropyl ether	6.367	45	59988	88.562	ug/l	91
23) Vinyl Acetate	6.309	43	246385	626.623	ug/l	96
24) 1,1-Dichloroethane	6.273	63	24480	62.834	ug/l #	93
25) 2-Butanone	7.209	43	129452	1691.755	ug/l	99
26) 2,2-Dichloropropane	7.209	77	17419	49.168	ug/l #	1
27) cis-1,2-Dichloroethene	7.214	96	295398	1303.200	ug/l	96
28) Bromochloromethane	7.544	49	16518	97.613	ug/l #	85
29) Tetrahydrofuran	7.561	42	78036	2184.444	ug/l	90
30) Chloroform	7.708	83	27425	70.140	ug/l	100
31) Cyclohexane	7.979	56	14587	38.118	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	19607	55.853	ug/l #	89
36) 1,1-Dichloropropene	8.114	75	14556	42.566	ug/l	86
37) Ethyl Acetate	7.291	43	46405	314.152	ug/l #	75
38) Carbon Tetrachloride	8.097	117	14738	43.721	ug/l #	89
39) Methylcyclohexane	9.350	83	14241	34.624	ug/l #	78
40) Benzene	8.350	78	50564	54.436	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071409.D
 Acq On : 21 Dec 2021 14:25
 Operator : VA/SY
 Sample : M5179-03MS
 Misc : 6.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMS

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 21 19:06:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	31685m	210.678	ug/l	
42) 1,2-Dichloroethane	8.420	62	28241	99.604	ug/l	94
43) Isopropyl Acetate	8.450	43	65464	185.593	ug/l #	82
44) Trichloroethene	9.108	130	70559	284.902	ug/l	97
45) 1,2-Dichloropropane	9.379	63	17160	70.249	ug/l	100
46) Dibromomethane	9.473	93	15009	118.429	ug/l	95
47) Bromodichloromethane	9.661	83	25764	76.870	ug/l #	92
48) Methyl methacrylate	9.450	41	30412	210.332	ug/l #	80
49) 1,4-Dioxane	9.455	88	11562	9450.898	ug/l #	95
51) 4-Methyl-2-Pentanone	10.226	43	225190	1216.831	ug/l	91
52) Toluene	10.397	92	30682	52.060	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	27731	89.991	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	28035	76.591	ug/l #	83
55) 1,1,2-Trichloroethane	10.797	97	21465	129.107	ug/l	94
56) Ethyl methacrylate	10.655	69	32427	125.275	ug/l #	69
57) 1,3-Dichloropropane	10.938	76	36196	123.931	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	82313	727.568	ug/l	98
59) 2-Hexanone	10.979	43	170983	1208.486	ug/l	88
60) Dibromochloromethane	11.138	129	22280	107.825	ug/l	98
61) 1,2-Dibromoethane	11.244	107	22522	141.050	ug/l	98
64) Tetrachloroethene	10.873	164	90196	373.685	ug/l	97
65) Chlorobenzene	11.661	112	38050	53.938	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	16489	64.017	ug/l	92
67) Ethyl Benzene	11.738	91	57315	43.159	ug/l	97
68) m/p-Xylenes	11.844	106	41150	82.076	ug/l	91
69) o-Xylene	12.173	106	21811	46.286	ug/l	90
70) Styrene	12.185	104	40601	51.123	ug/l	94
71) Bromoform	12.355	173	18017	135.022	ug/l #	98
73) Isopropylbenzene	12.473	105	55410	33.149	ug/l	96
74) N-amyl acetate	12.279	43	51556	105.511	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	38423	139.584	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	33127m	150.616	ug/l	
77) Bromobenzene	12.749	156	17376	47.993	ug/l	66
78) n-propylbenzene	12.814	91	69172	33.230	ug/l	99
79) 2-Chlorotoluene	12.896	91	43409	37.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	53085	38.513	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	12333	121.781	ug/l #	67
82) 4-Chlorotoluene	12.996	91	46182	38.075	ug/l	98
83) tert-Butylbenzene	13.214	119	40458	34.178	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	63997	47.556	ug/l	97
85) sec-Butylbenzene	13.391	105	58156	32.166	ug/l	97
86) p-Isopropyltoluene	13.508	119	48930	33.088	ug/l	96
87) 1,3-Dichlorobenzene	13.502	146	31915	44.282	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	32945	46.138	ug/l	95
89) n-Butylbenzene	13.832	91	47707	33.048	ug/l	95
90) Hexachloroethane	14.102	117	10650	37.992	ug/l	86
91) 1,2-Dichlorobenzene	13.879	146	31437	51.291	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10026	223.656	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	17639	46.138	ug/l	98
94) Hexachlorobutadiene	15.255	225	6303	29.138	ug/l	93
95) Naphthalene	15.385	128	77130	114.444	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	18296	56.345	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071409.D
 Acq On : 21 Dec 2021 14:25
 Operator : VA/SY
 Sample : M5179-03MS
 Misc : 6.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMS

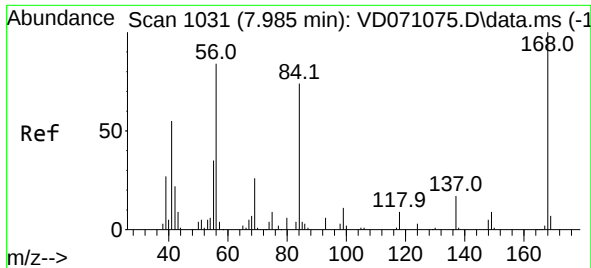
Quant Time: Dec 21 19:06:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

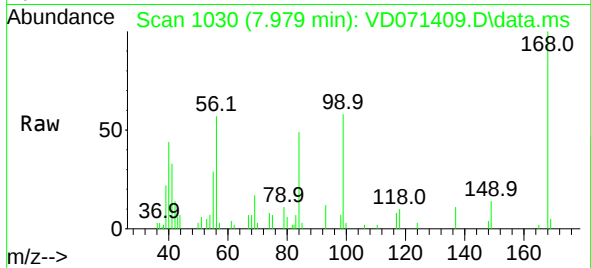
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

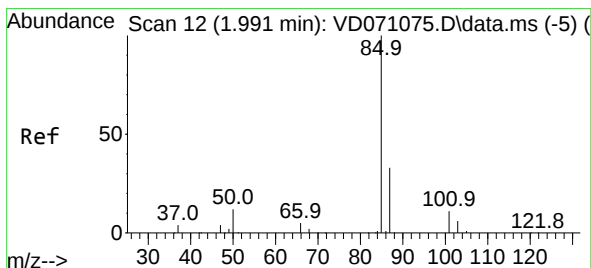
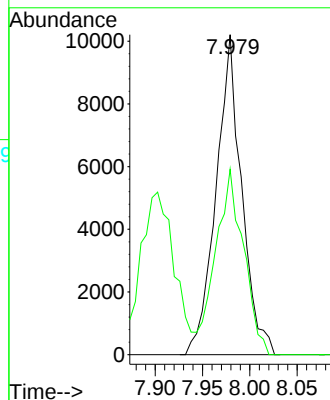
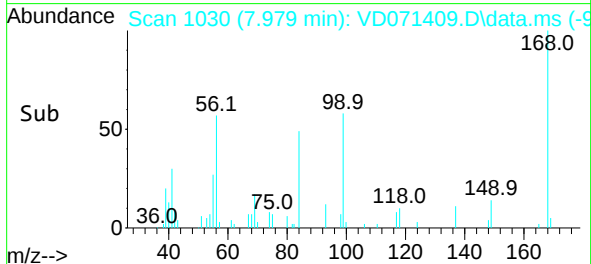
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion:168 Resp: 1917
Ion Ratio Lower Upper
168 100
99 57.9 46.6 69.8

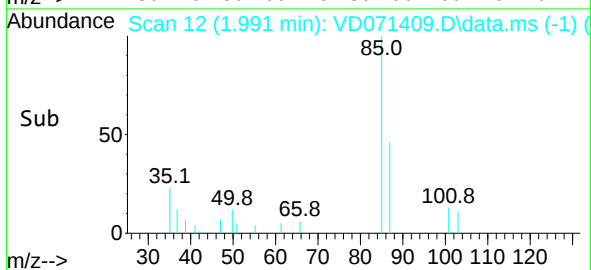
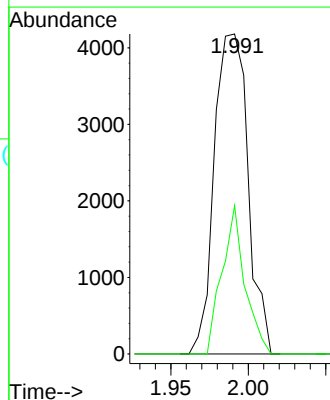
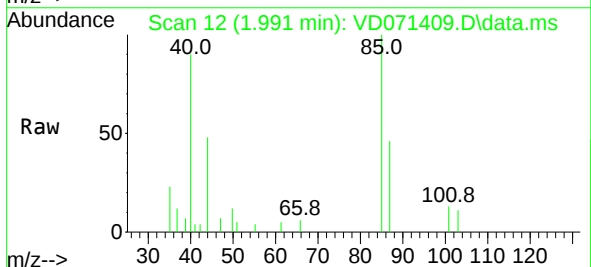
Manual Integrations
APPROVED

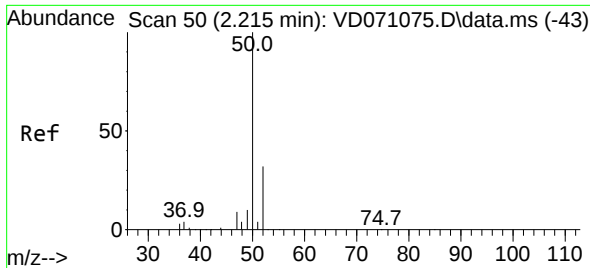
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#2
Dichlorodifluoromethane
Concen: 38.721 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

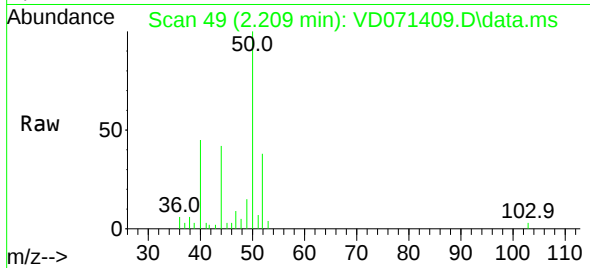
Tgt Ion: 85 Resp: 6331
Ion Ratio Lower Upper
85 100
87 46.4 15.2 45.6#





#3
Chloromethane
Concen: 45.671 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

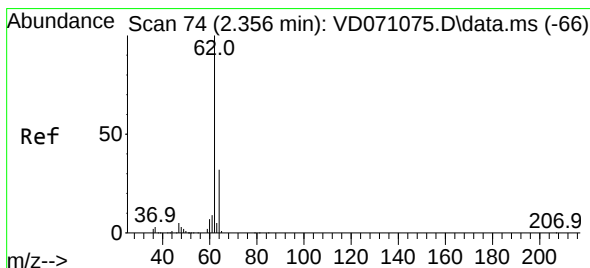
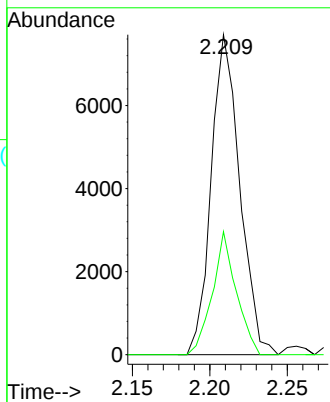
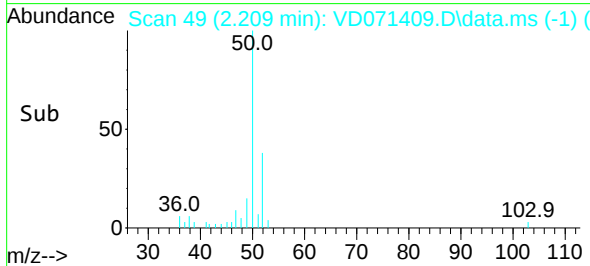
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 50 Resp: 9879
Ion Ratio Lower Upper
50 100
52 38.5 25.8 38.8

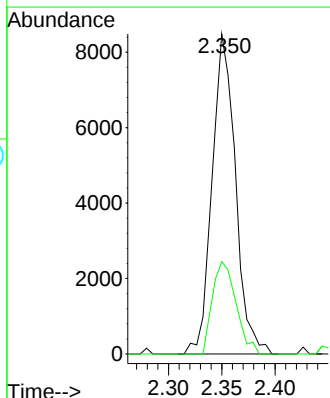
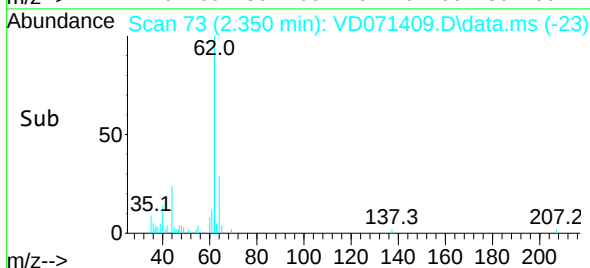
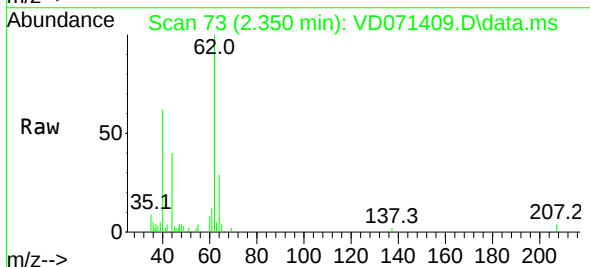
Manual Integrations
APPROVED

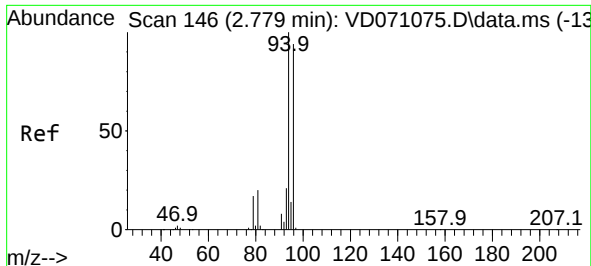
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#4
Vinyl Chloride
Concen: 53.608 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

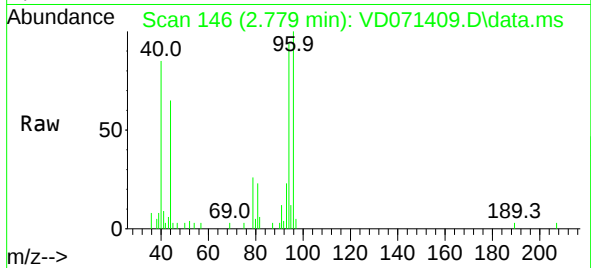
Tgt Ion: 62 Resp: 12937
Ion Ratio Lower Upper
62 100
64 28.8 26.0 39.0





#5
Bromomethane
Concen: 65.191 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

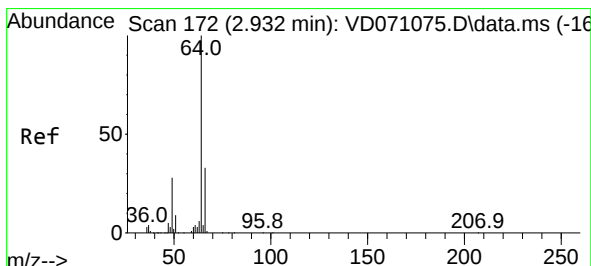
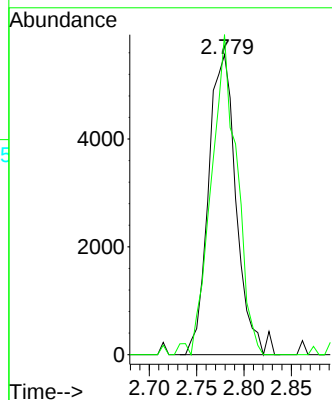
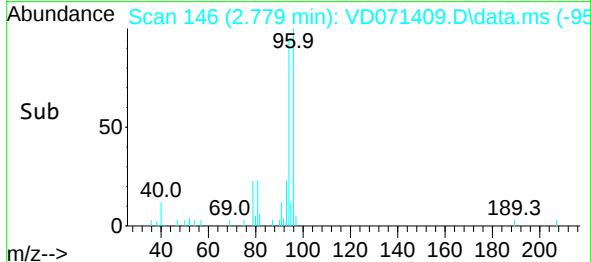
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 94 Resp: 1134
Ion Ratio Lower Upper
94 100
96 106.7 74.8 112.2

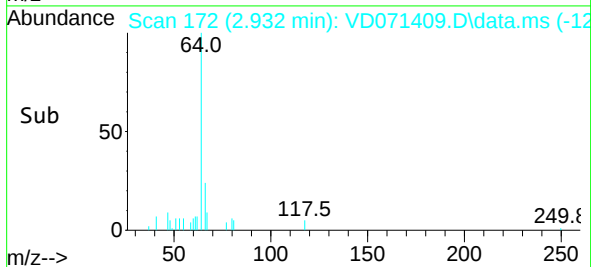
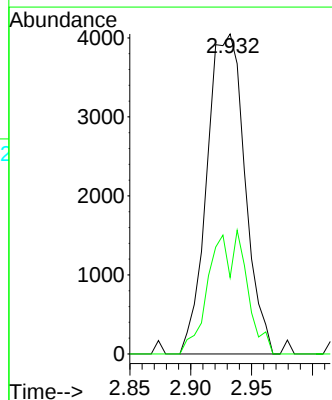
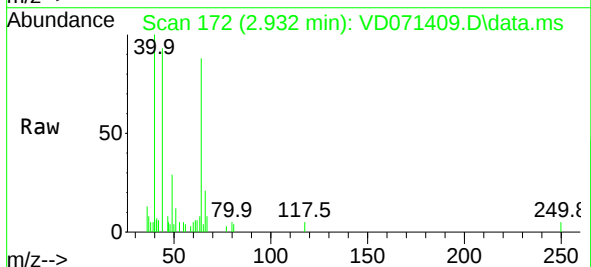
Manual Integrations
APPROVED

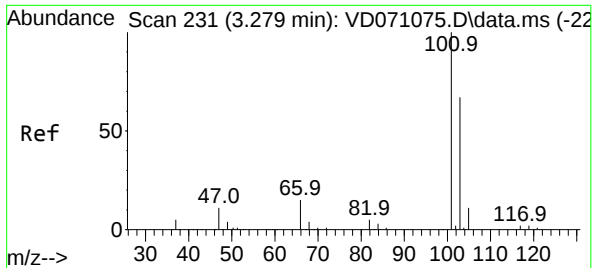
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#6
Chloroethane
Concen: 52.844 ug/l
RT: 2.932 min Scan# 172
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

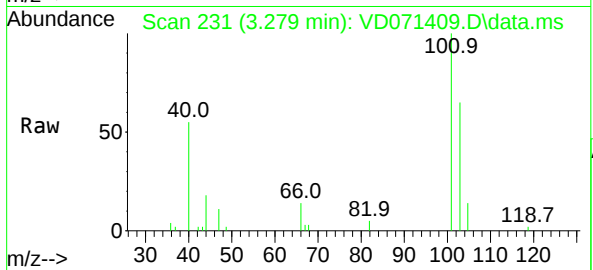
Tgt Ion: 64 Resp: 8771
Ion Ratio Lower Upper
64 100
66 23.9 29.0 43.4#





#7
Trichlorofluoromethane
Concen: 48.906 ug/l
RT: 3.279 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

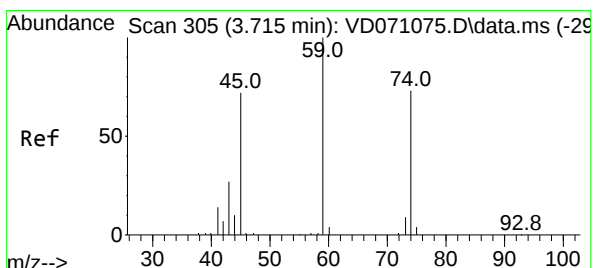
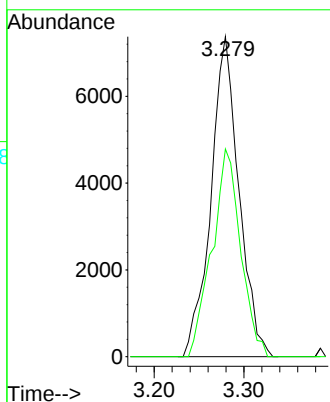
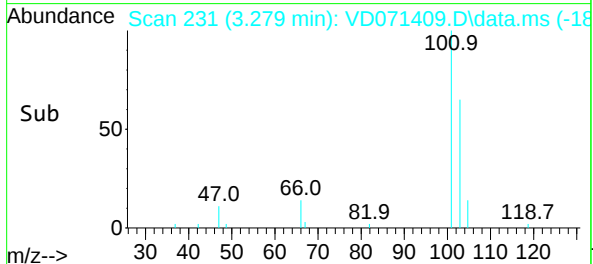
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS



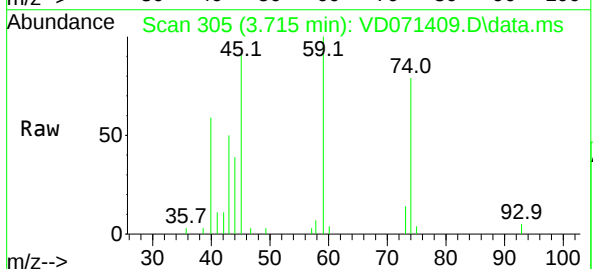
Tgt Ion:101 Resp: 1598
Ion Ratio Lower Upper
101 100
103 64.9 49.7 74.5

Manual Integrations
APPROVED

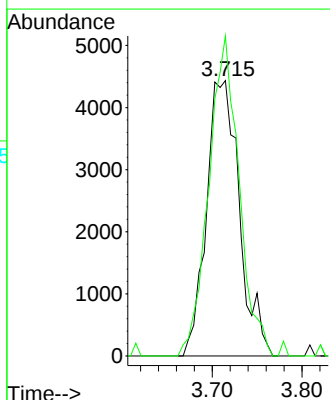
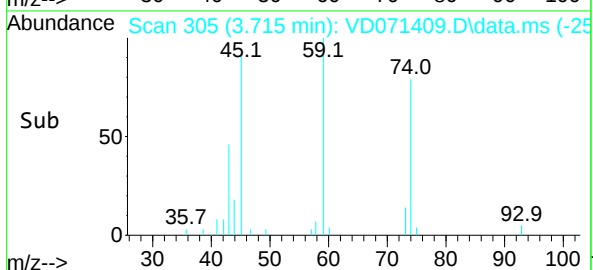
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#8
Diethyl Ether
Concen: 127.603 ug/l
RT: 3.715 min Scan# 305
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25



Tgt Ion: 74 Resp: 11309
Ion Ratio Lower Upper
74 100
45 107.0 49.6 149.0





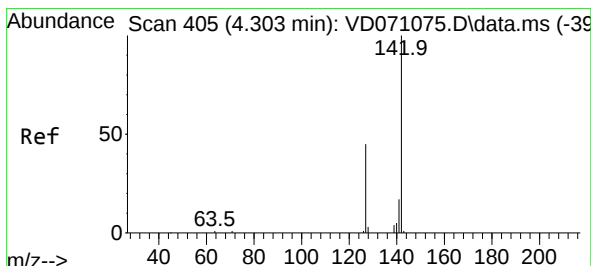
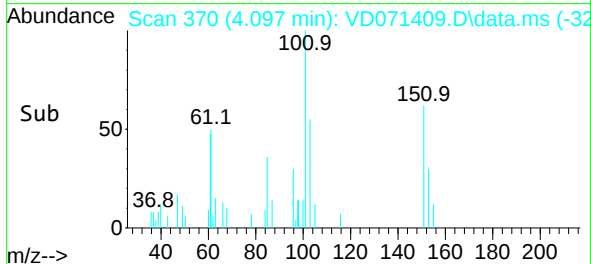
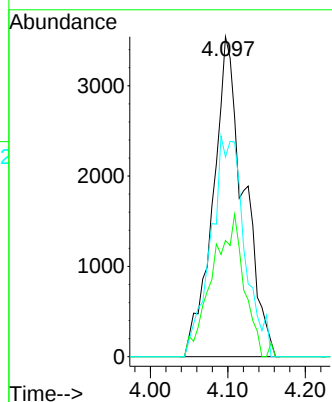
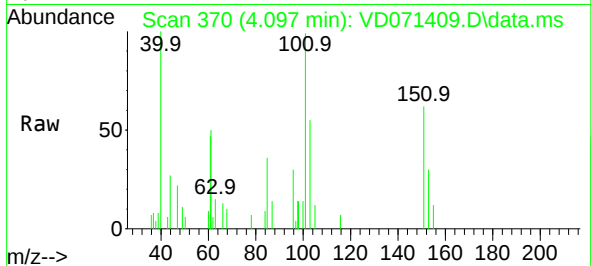
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.821 ug/l
RT: 4.097 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion:101 Resp: 980
Ion Ratio Lower Upper
101 100
85 45.3 34.8 52.2
151 75.4 60.4 90.6

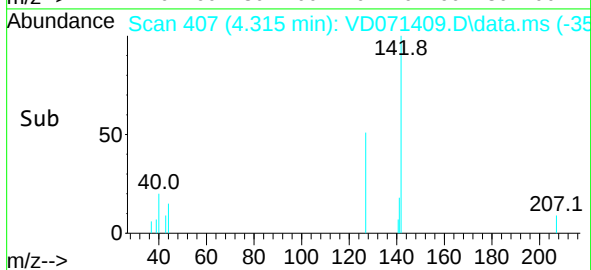
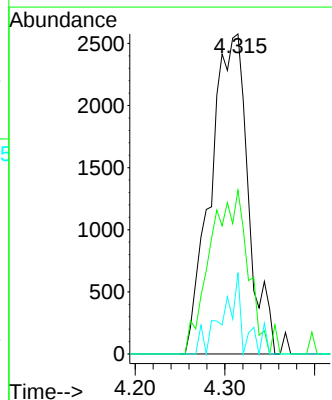
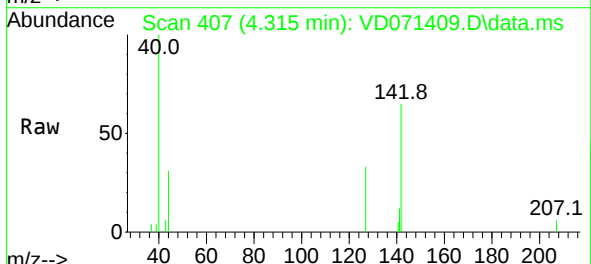
Manual Integrations
APPROVED

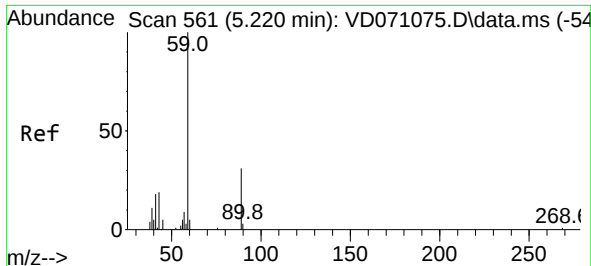
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#10
Methyl Iodide
Concen: 34.773 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

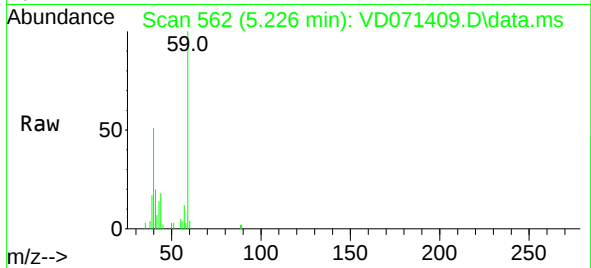
Tgt Ion:142 Resp: 7454
Ion Ratio Lower Upper
142 100
127 51.5 35.0 52.4
141 12.2 12.0 18.0





#11
Tert butyl alcohol
Concen: 1414.698 ug/l
RT: 5.226 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

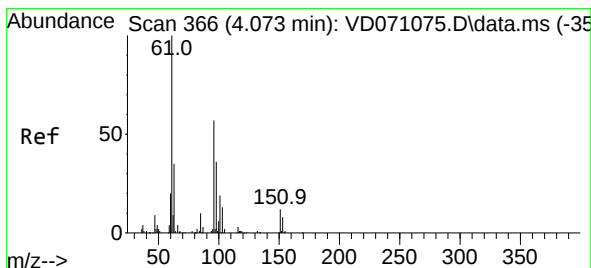
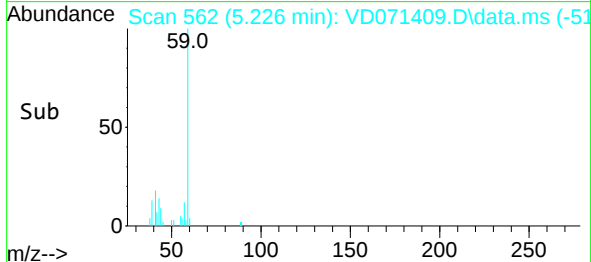
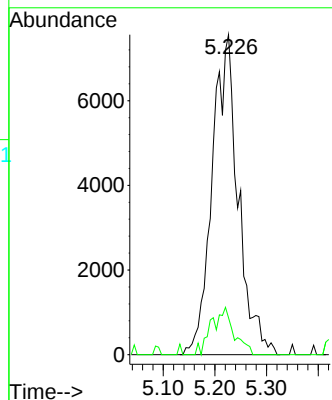
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 59 Resp: 2644
Ion Ratio Lower Upper
59 100
57 8.4 9.0 13.4

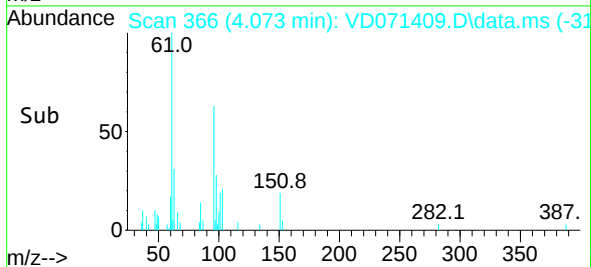
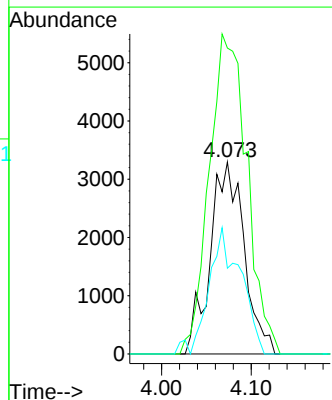
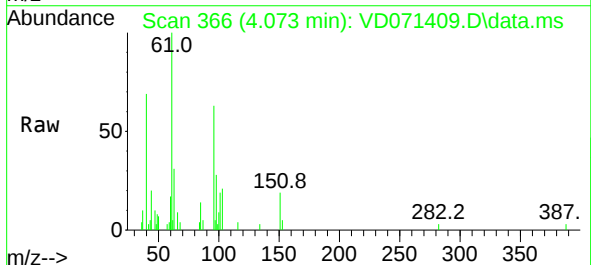
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#12
1,1-Dichloroethene
Concen: 48.536 ug/l
RT: 4.073 min Scan# 366
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion: 96 Resp: 8639
Ion Ratio Lower Upper
96 100
61 159.3 120.3 180.5
98 44.6 54.4 81.6





#13

Acrolein

Concen: 1406.473 ug/l

RT: 3.926 min Scan# 341

Delta R.T. 0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 56 Resp: 2162

Ion Ratio Lower Upper

56 100

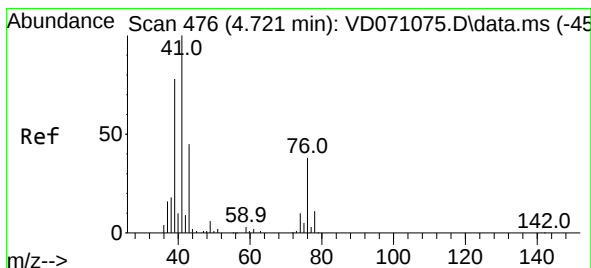
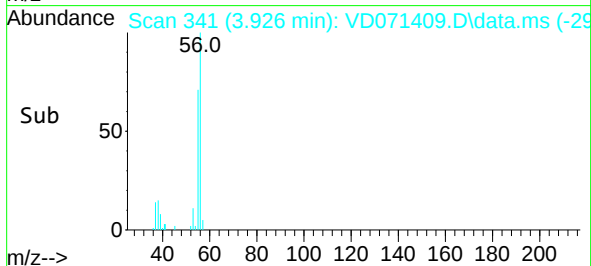
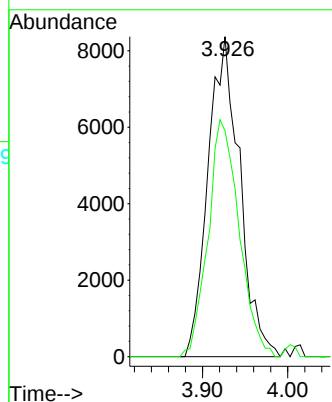
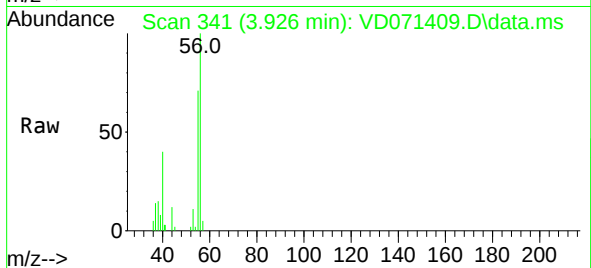
55 72.6 58.6 87.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#14

Allyl chloride

Concen: 63.369 ug/l

RT: 4.720 min Scan# 476

Delta R.T. -0.001 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

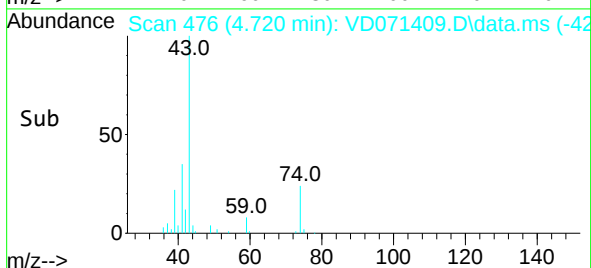
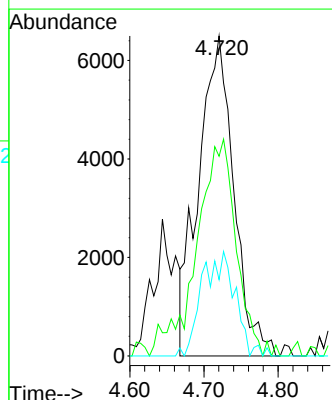
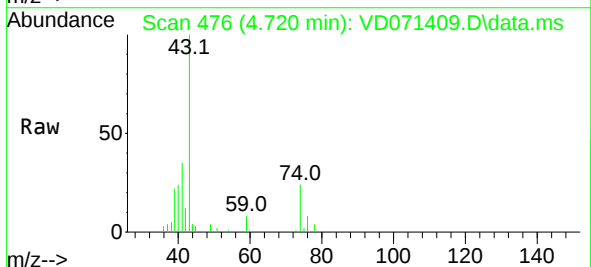
Tgt Ion: 41 Resp: 21424

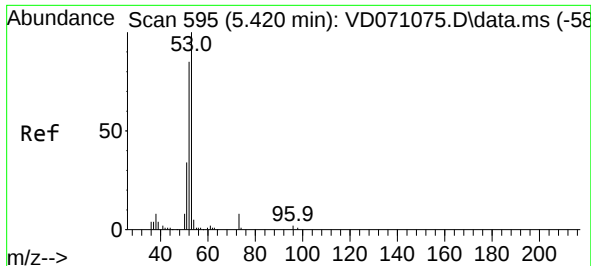
Ion Ratio Lower Upper

41 100

39 75.3 45.6 68.4#

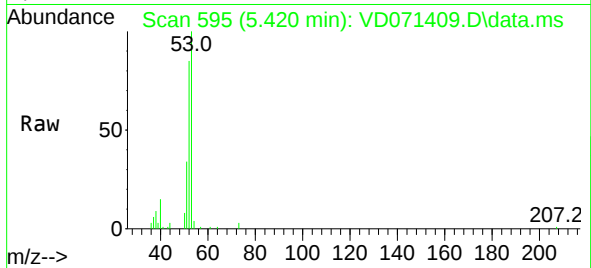
76 0.0 30.2 45.4#





#15
Acrylonitrile
Concen: 1998.209 ug/l
RT: 5.420 min Scan# 595
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

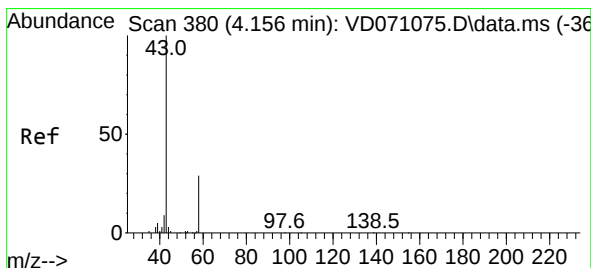
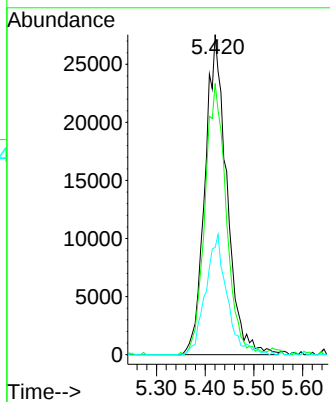
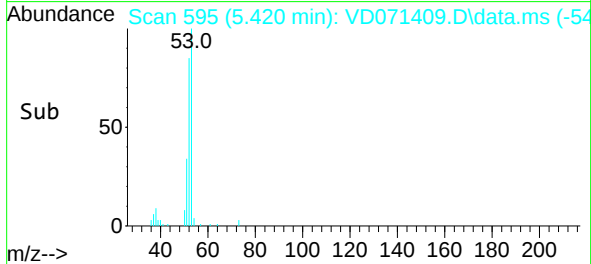
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 53 Resp: 86120
Ion Ratio Lower Upper
53 100
52 82.6 63.8 95.8
51 36.8 28.5 42.7

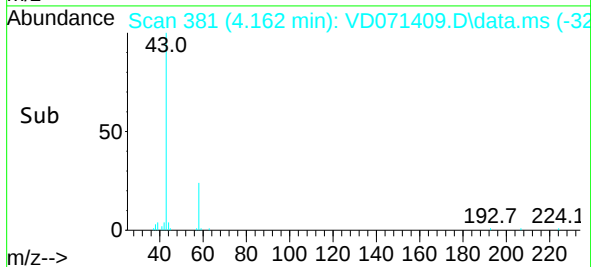
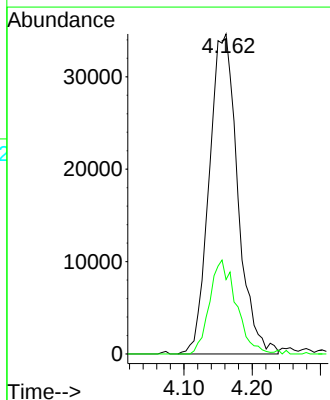
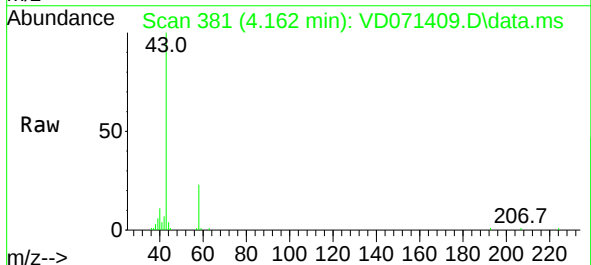
Manual Integrations
APPROVED

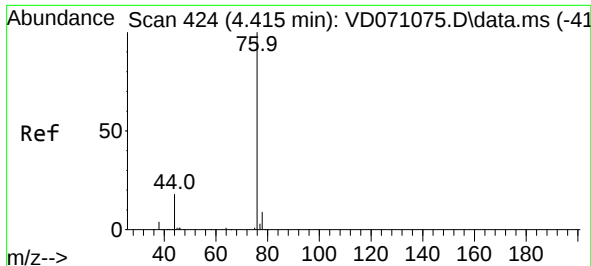
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#16
Acetone
Concen: 1510.715 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

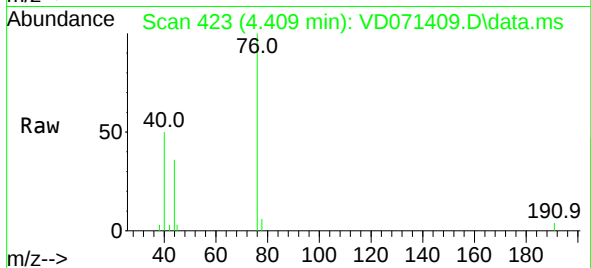
Tgt Ion: 43 Resp: 100829
Ion Ratio Lower Upper
43 100
58 23.3 27.8 41.8#





#17
Carbon Disulfide
Concen: 38.916 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

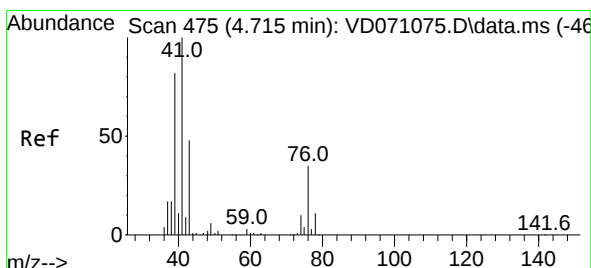
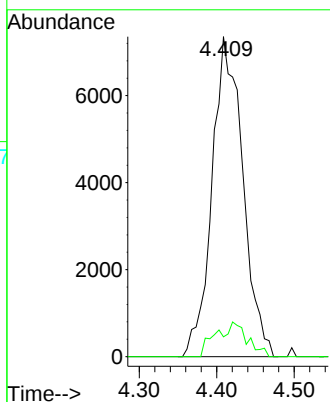
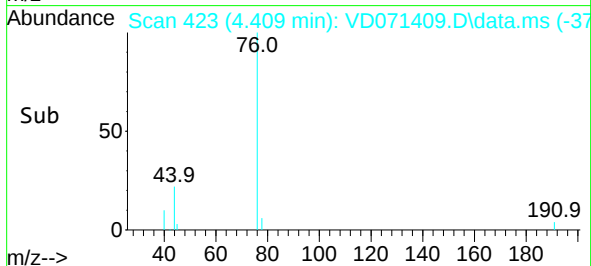
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 76 Resp: 20280
Ion Ratio Lower Upper
76 100
78 6.2 7.8 11.8

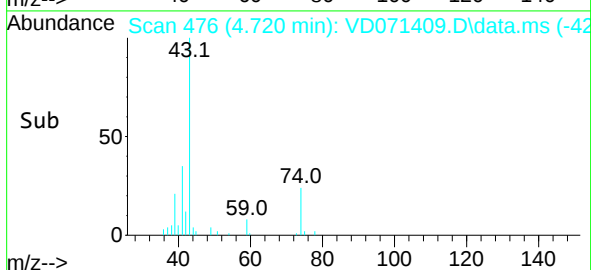
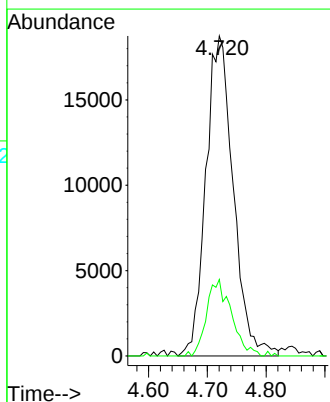
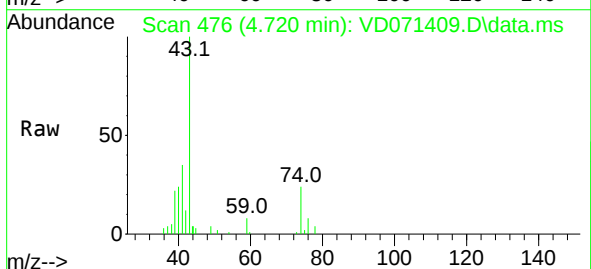
Manual Integrations
APPROVED

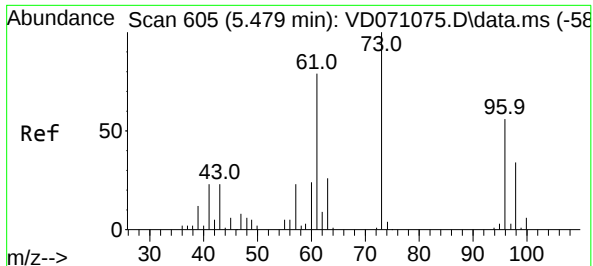
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#18
Methyl Acetate
Concen: 365.289 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion: 43 Resp: 60634
Ion Ratio Lower Upper
43 100
74 21.7 19.3 28.9





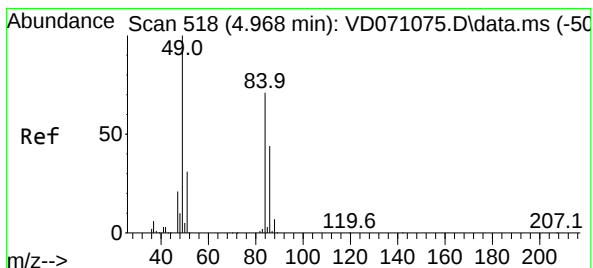
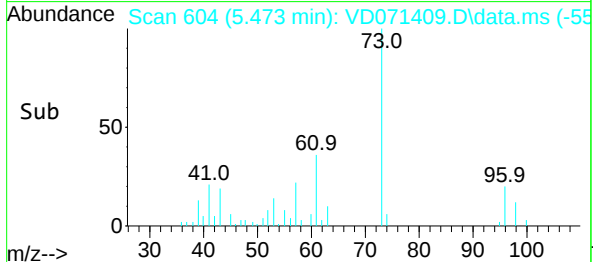
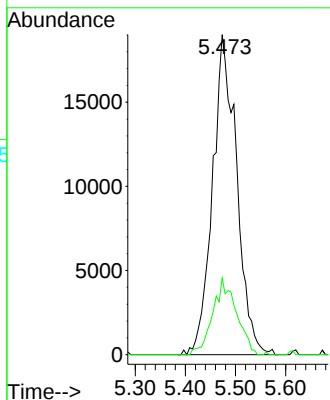
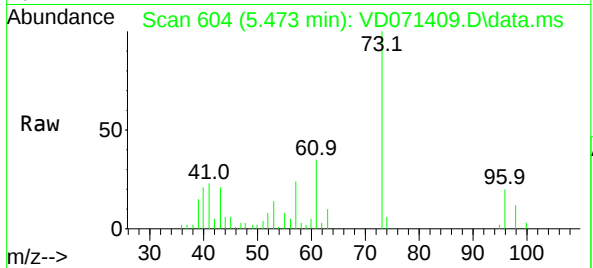
#19
Methyl tert-butyl Ether
Concen: 145.683 ug/l
RT: 5.473 min Scan# 605
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 73 Resp: 63548
Ion Ratio Lower Upper
73 100
57 23.9 18.9 28.3

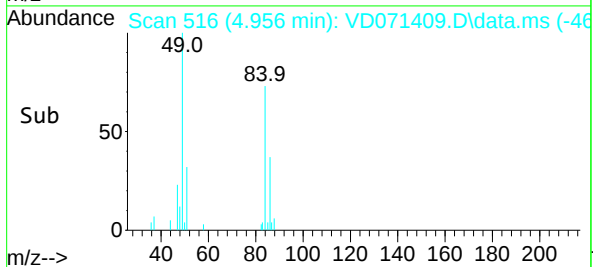
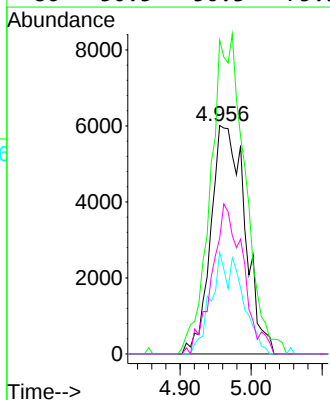
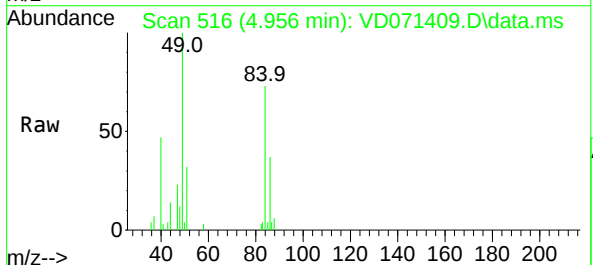
Manual Integrations
APPROVED

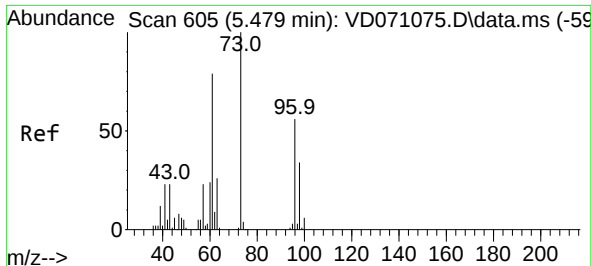
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#20
Methylene Chloride
Concen: 91.695 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

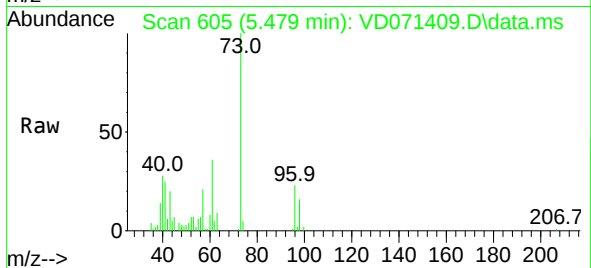
Tgt Ion: 84 Resp: 20026
Ion Ratio Lower Upper
84 100
49 137.4 95.8 143.6
51 44.6 30.9 46.3
86 50.5 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 58.795 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

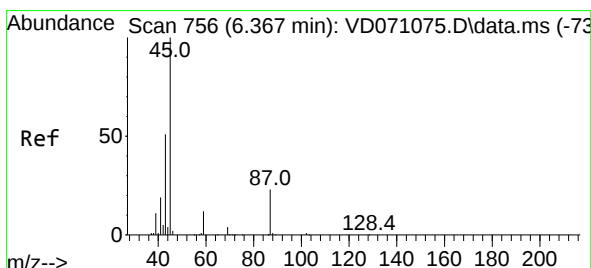
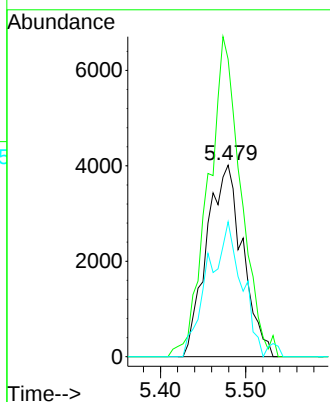
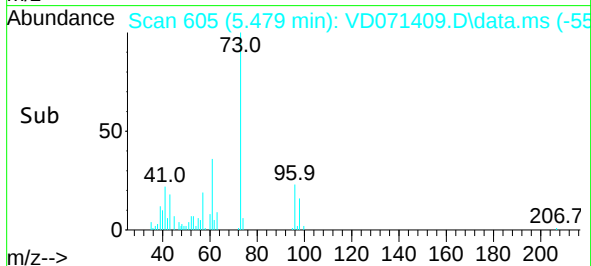
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 96 Resp: 11780
Ion Ratio Lower Upper
96 100
61 155.2 102.1 153.1
98 70.4 50.1 75.1

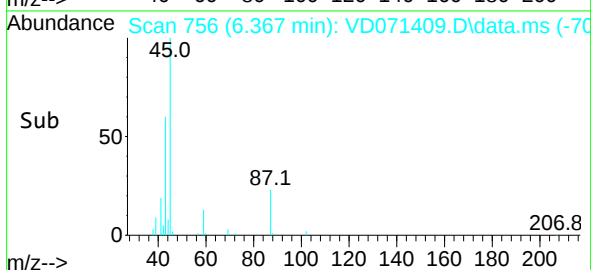
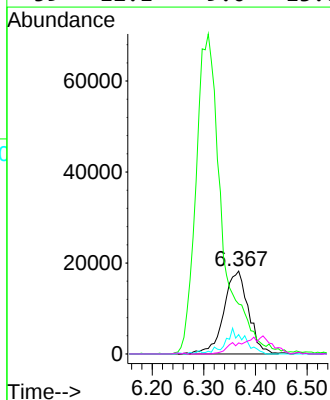
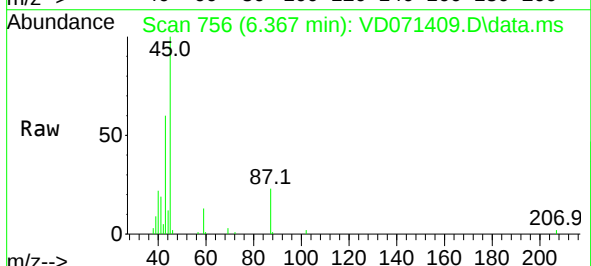
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#22
Diisopropyl ether
Concen: 88.562 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion: 45 Resp: 59988
Ion Ratio Lower Upper
45 100
43 57.9 39.6 59.4
87 23.4 21.2 31.8
59 12.1 9.0 13.6





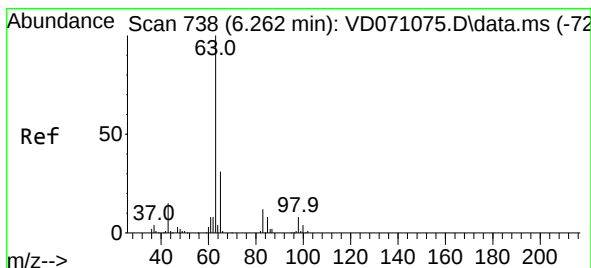
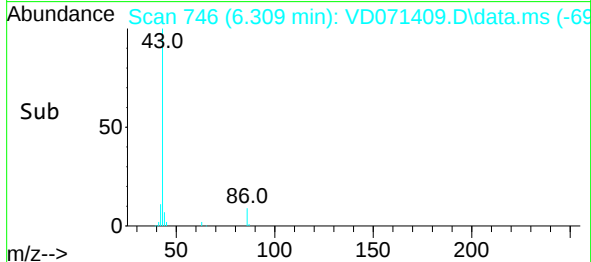
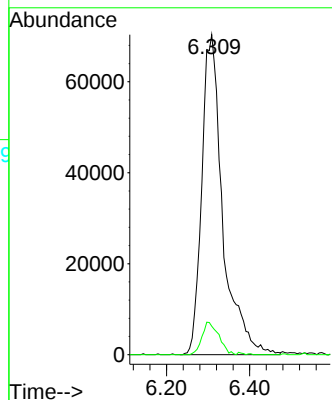
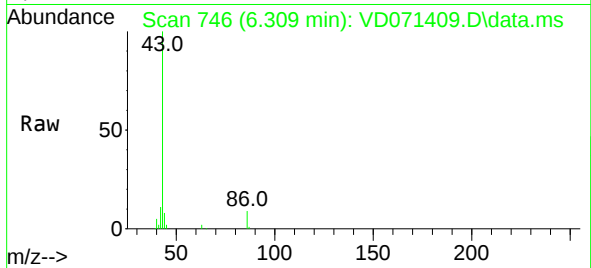
#23
 Vinyl Acetate
 Concen: 626.623 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. -0.000 min
 Lab File: VD071409.D
 Acq: 21 Dec 2021 14:25

Instrument : MSVOA_D
 ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 43 Resp: 246385
 Ion Ratio Lower Upper
 43 100
 86 8.9 8.2 12.4

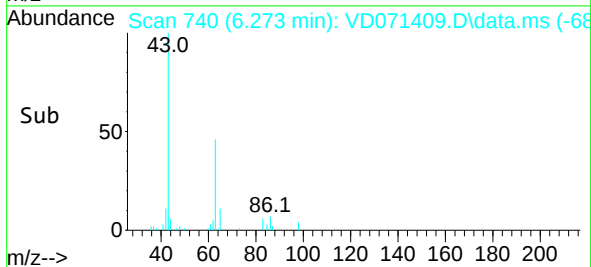
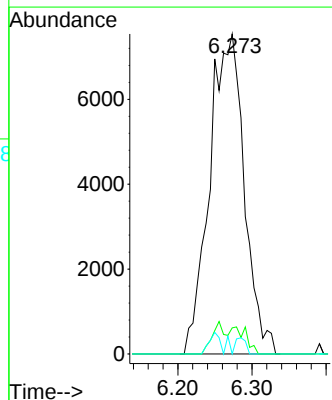
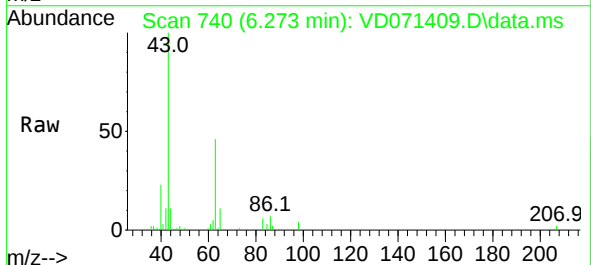
Manual Integrations
 APPROVED

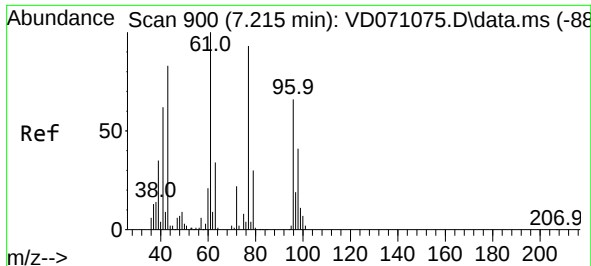
Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021



#24
 1,1-Dichloroethane
 Concen: 62.834 ug/l
 RT: 6.273 min Scan# 740
 Delta R.T. 0.011 min
 Lab File: VD071409.D
 Acq: 21 Dec 2021 14:25

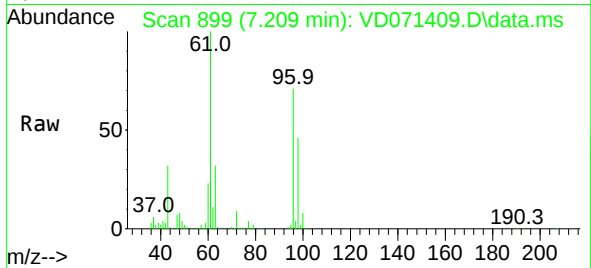
Tgt Ion: 63 Resp: 24480
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.5 10.6
 100 0.0 2.1 6.3





#25
2-Butanone
Concen: 1691.755 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

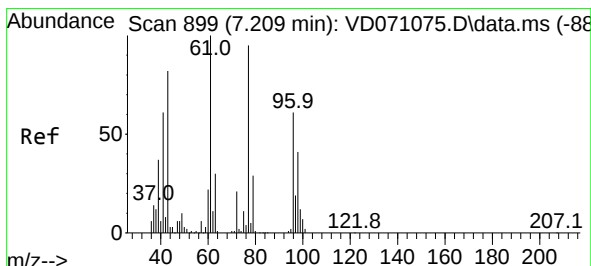
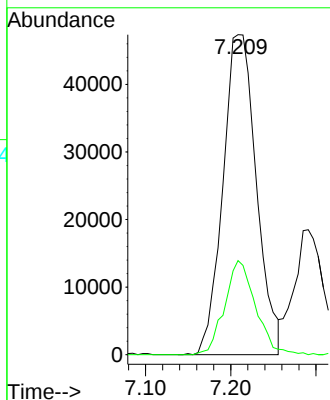
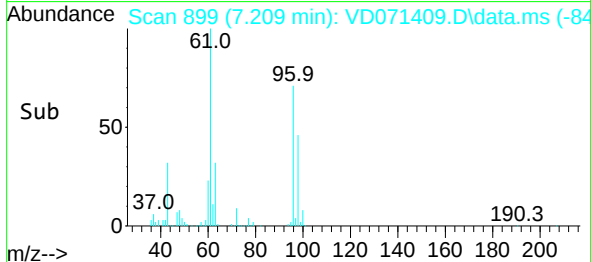
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



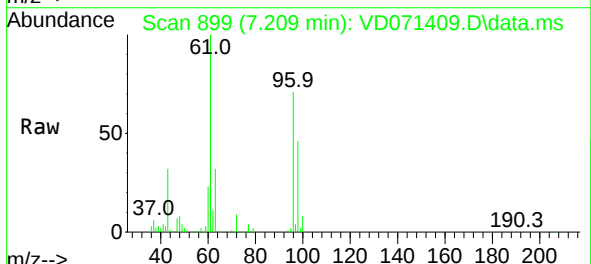
Tgt Ion: 43 Resp: 129452
Ion Ratio Lower Upper
43 100
72 29.4 23.8 35.6

Manual Integrations
APPROVED

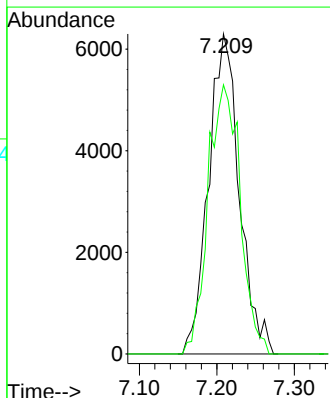
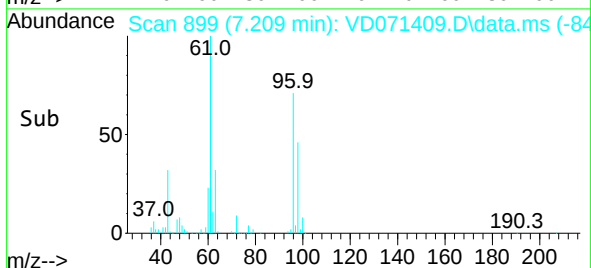
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

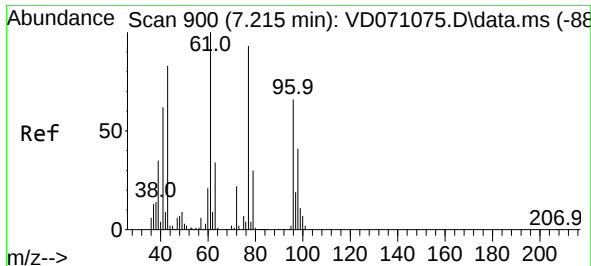


#26
2,2-Dichloropropane
Concen: 49.168 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25



Tgt Ion: 77 Resp: 17419
Ion Ratio Lower Upper
77 100
97 87.6 11.9 35.5#





#27

cis-1,2-Dichloroethene

Concen: 1303.200 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.001 min

Lab File: VD071409.D

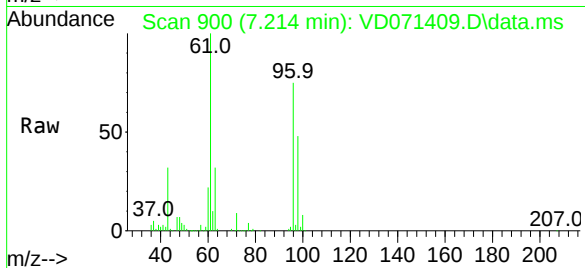
Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS



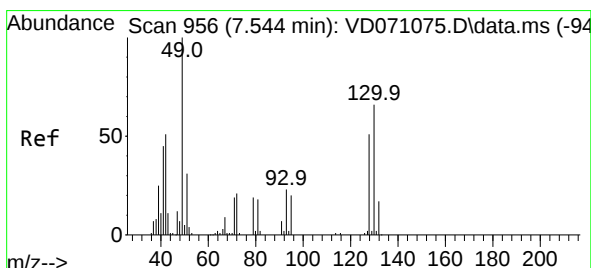
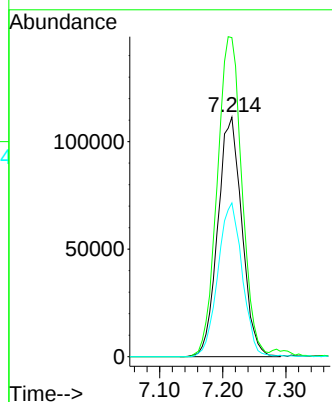
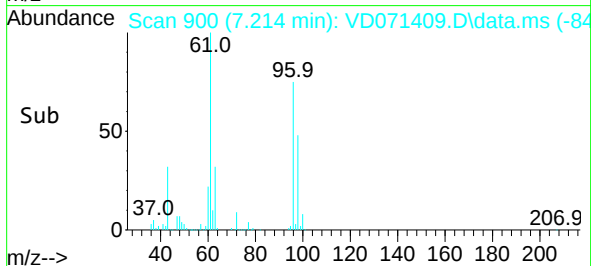
Tgt Ion:	96	Resp:	295398
Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	288.6
98	64.8	0.0	129.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#28

Bromochloromethane

Concen: 97.613 ug/l

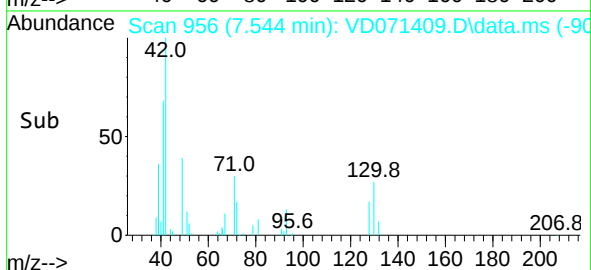
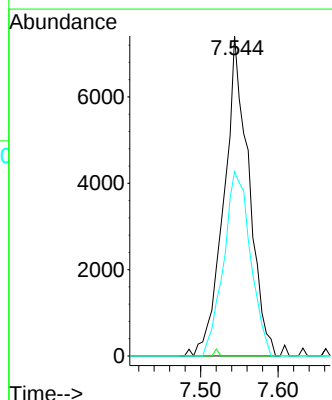
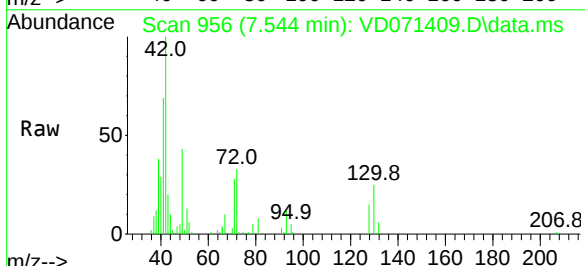
RT: 7.544 min Scan# 956

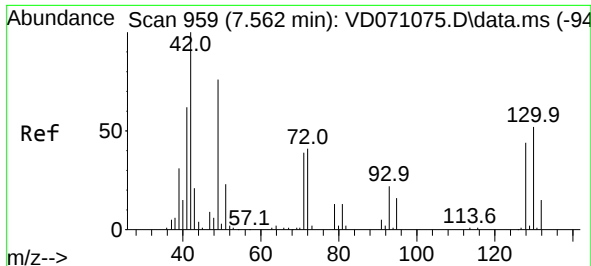
Delta R.T. -0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Tgt Ion:	49	Resp:	16518
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	62.2	60.2	90.2





#29

Tetrahydrofuran

Concen: 2184.444 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.001 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 42 Resp: 78036

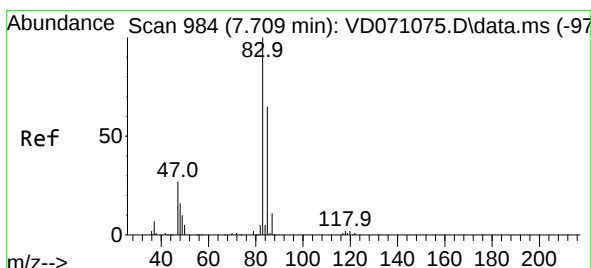
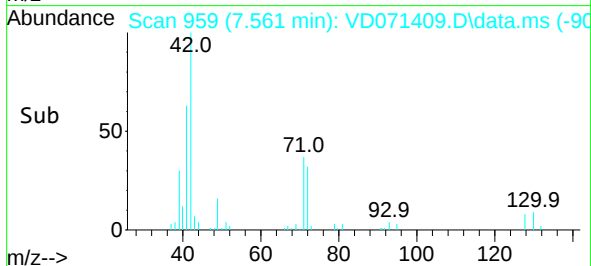
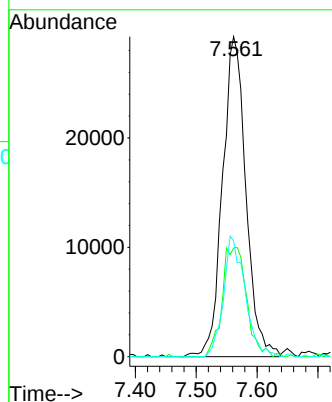
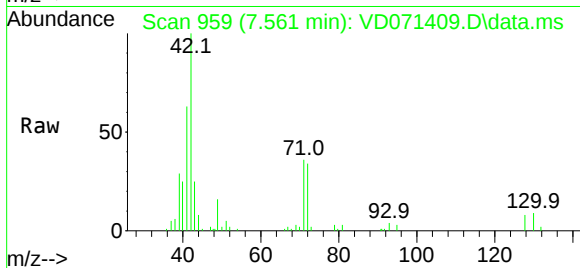
Ion	Ratio	Lower	Upper
42	100		
72	35.6	33.7	50.5
71	34.7	32.7	49.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#30

Chloroform

Concen: 70.140 ug/l

RT: 7.708 min Scan# 984

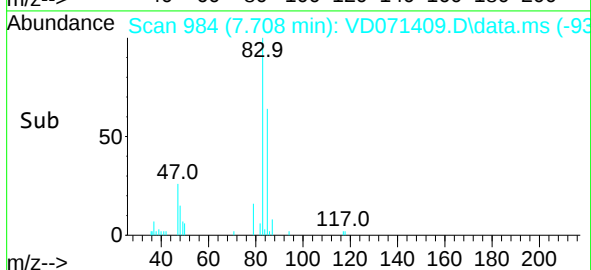
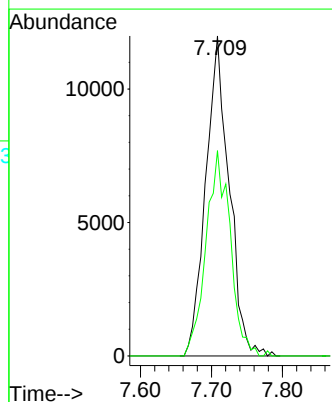
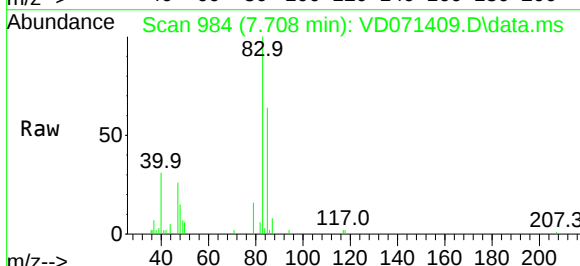
Delta R.T. -0.000 min

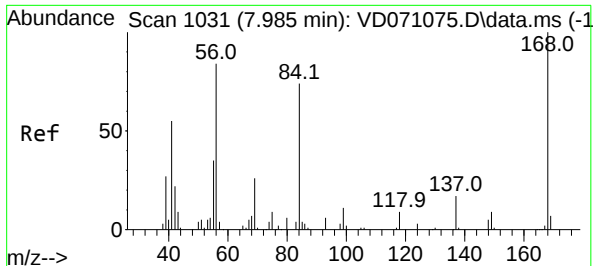
Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Tgt Ion: 83 Resp: 27425

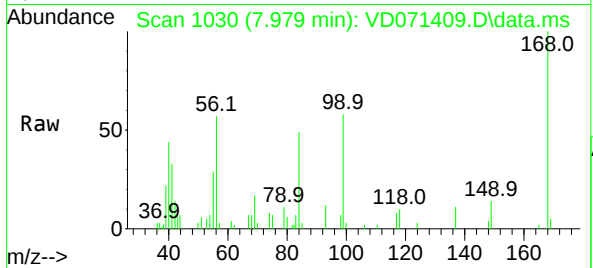
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.6





#31
Cyclohexane
Concen: 38.118 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

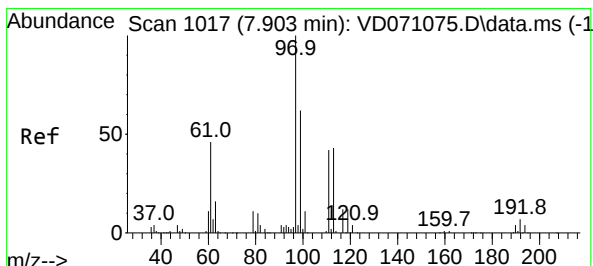
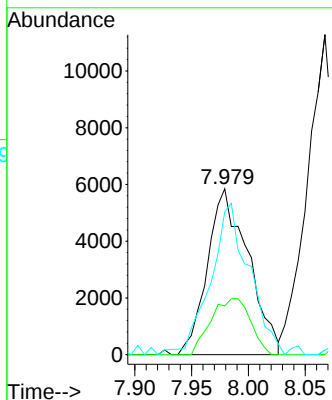
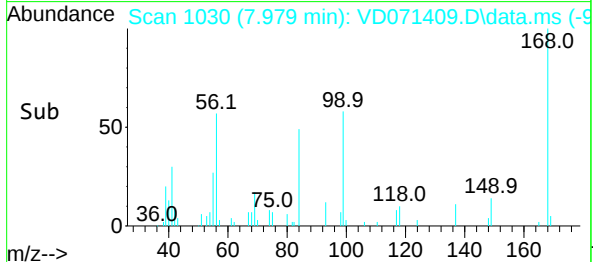
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



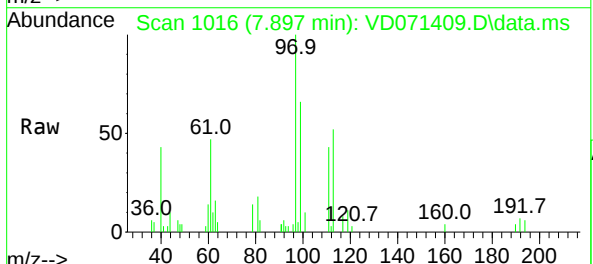
Tgt Ion: 56 Resp: 1458
Ion Ratio Lower Upper
56 100
69 29.5 25.9 38.9
84 82.9 64.3 96.5

Manual Integrations
APPROVED

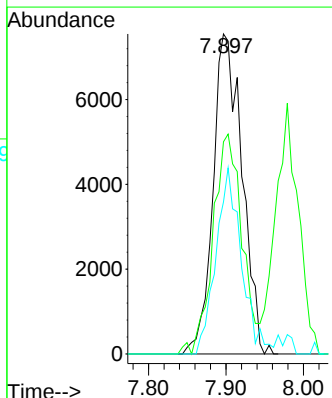
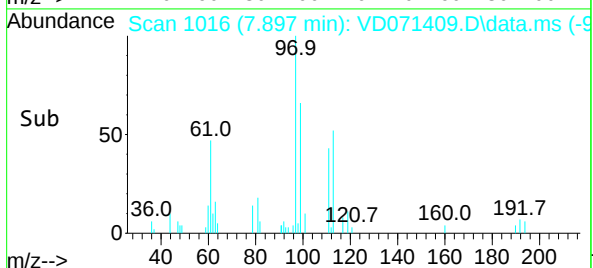
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

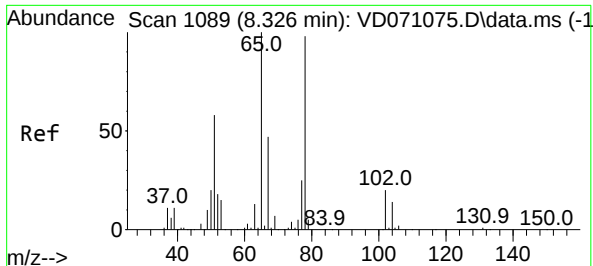


#32
1,1,1-Trichloroethane
Concen: 55.853 ug/l
RT: 7.897 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25



Tgt Ion: 97 Resp: 19607
Ion Ratio Lower Upper
97 100
99 69.1 50.3 75.5
61 51.1 33.0 49.4#





#33

1,2-Dichloroethane-d4

Concen: 95.896 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071409.D

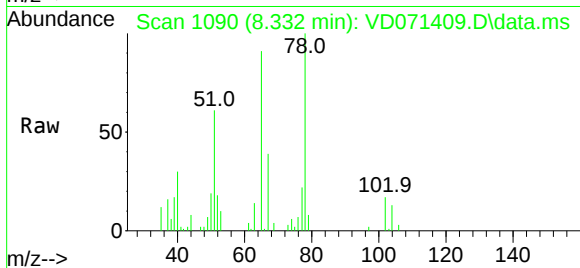
Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 65 Resp: 21574

Ion Ratio Lower Upper

65 100

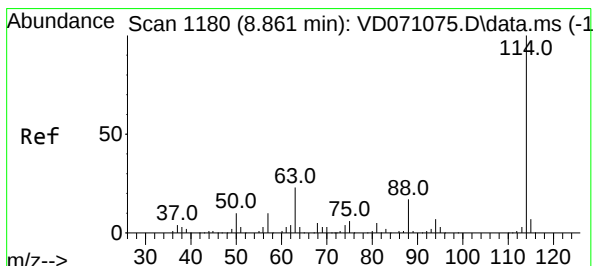
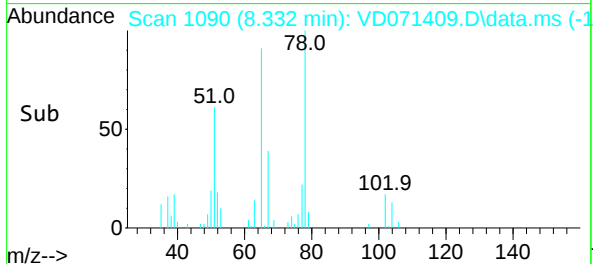
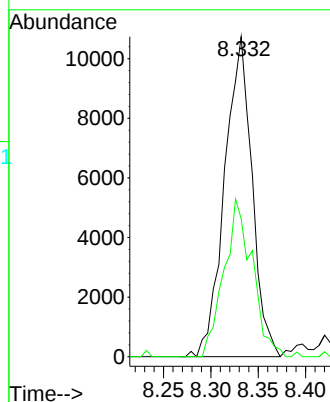
67 50.7 0.0 112.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

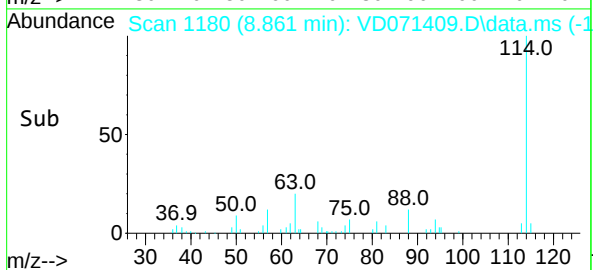
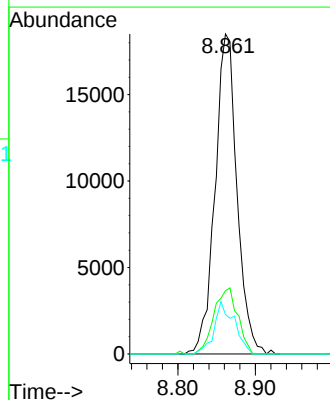
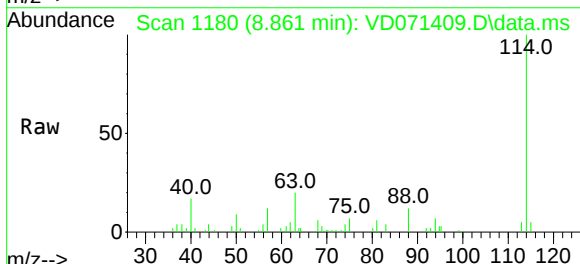
Tgt Ion:114 Resp: 36588

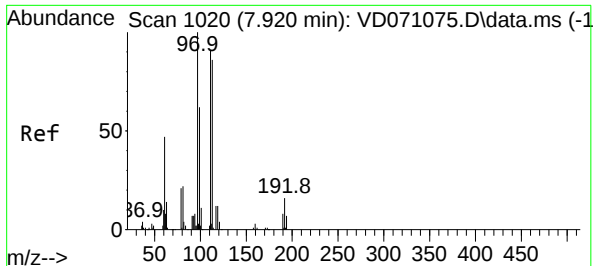
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.8

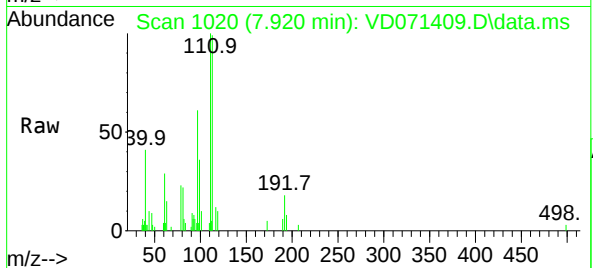
88 12.3 0.0 32.8





#35
Dibromofluoromethane
Concen: 68.347 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

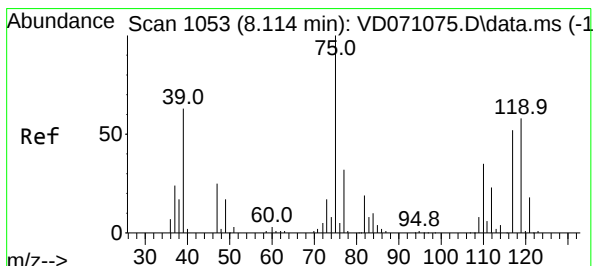
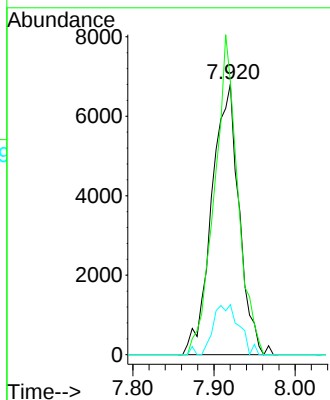
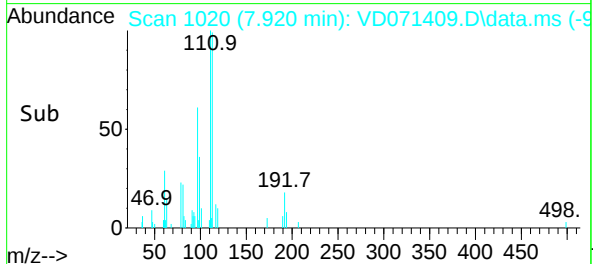
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion:113 Resp: 15924
Ion Ratio Lower Upper
113 100
111 101.3 82.0 123.0
192 17.4 15.2 22.8

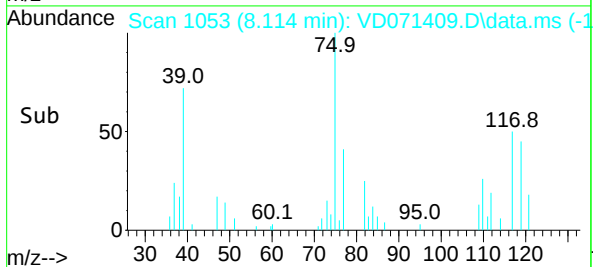
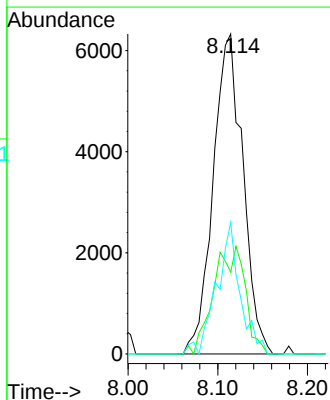
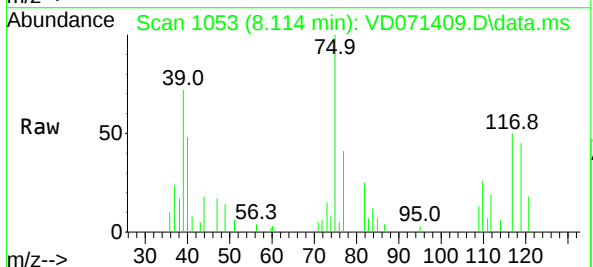
Manual Integrations
APPROVED

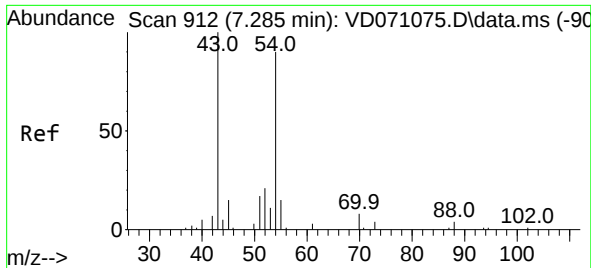
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#36
1,1-Dichloropropene
Concen: 42.566 ug/l
RT: 8.114 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion: 75 Resp: 14556
Ion Ratio Lower Upper
75 100
110 21.5 17.8 53.4
77 32.5 24.8 37.2





#37

Ethyl Acetate

Concen: 314.152 ug/l

RT: 7.291 min Scan# 912

Delta R.T. 0.006 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 43 Resp: 4640

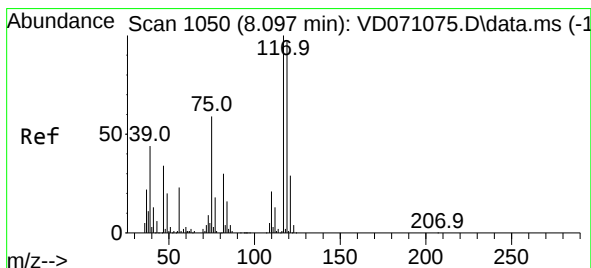
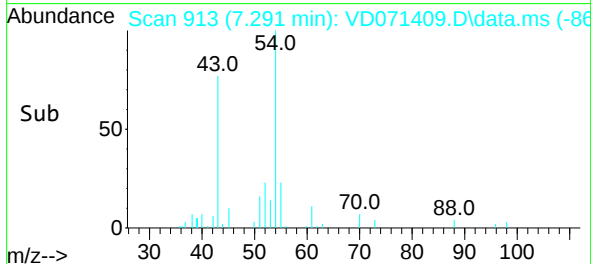
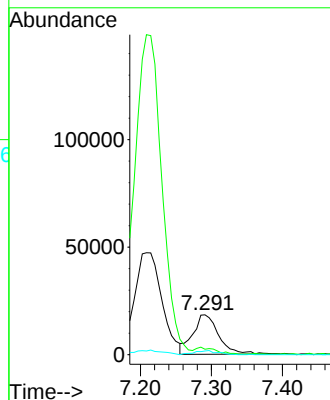
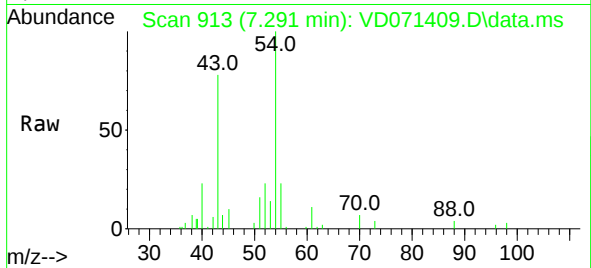
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6
70	9.2	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#38

Carbon Tetrachloride

Concen: 43.721 ug/l

RT: 8.097 min Scan# 1050

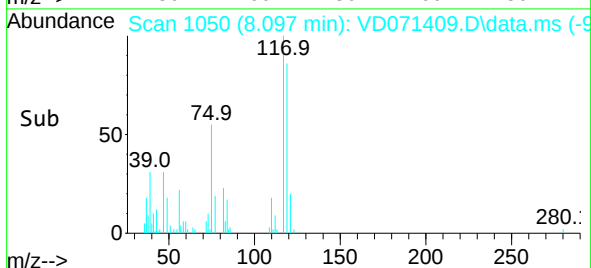
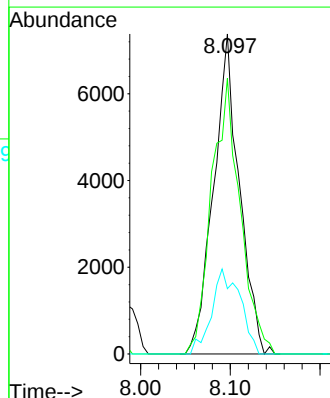
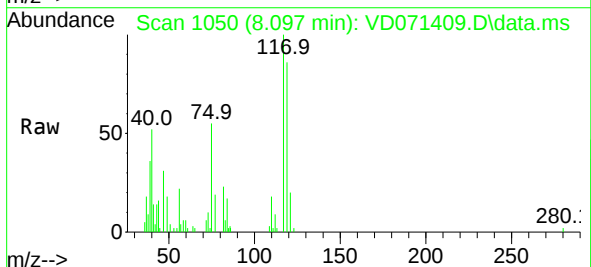
Delta R.T. -0.000 min

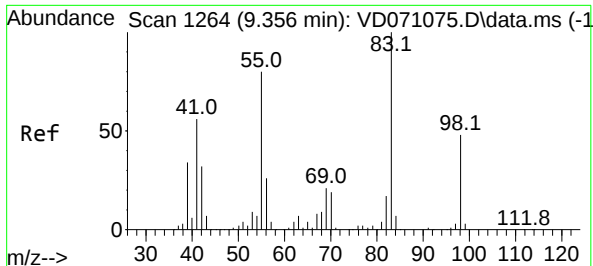
Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Tgt Ion:117 Resp: 14738

Ion	Ratio	Lower	Upper
117	100		
119	86.1	75.8	113.6
121	20.4	23.6	35.4





#39

Methylcyclohexane

Concen: 34.624 ug/l

RT: 9.350 min Scan# 1093

Delta R.T. -0.006 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 83 Resp: 1424

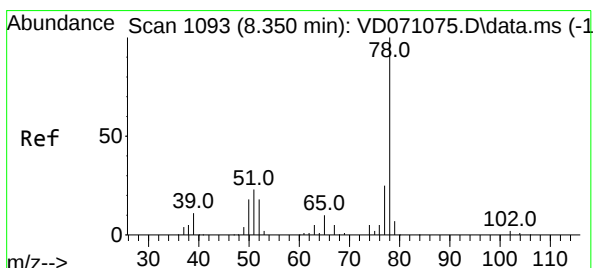
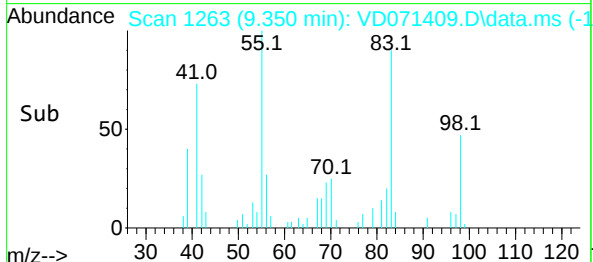
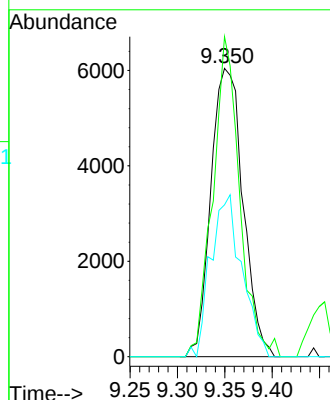
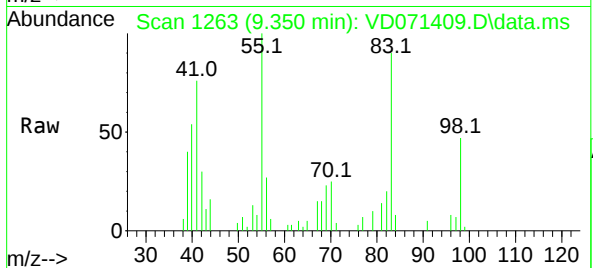
Ion	Ratio	Lower	Upper
83	100		
55	111.0	65.8	98.8
98	52.7	38.7	58.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#40

Benzene

Concen: 54.436 ug/l

RT: 8.350 min Scan# 1093

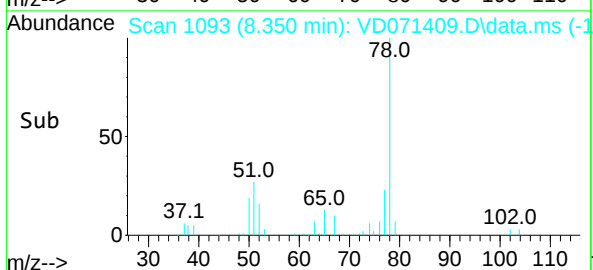
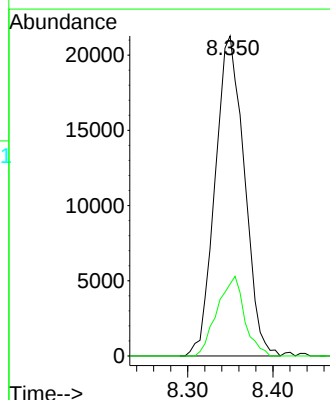
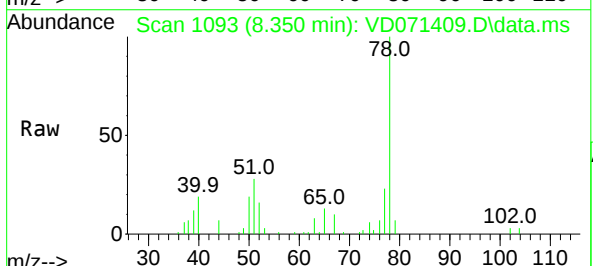
Delta R.T. -0.000 min

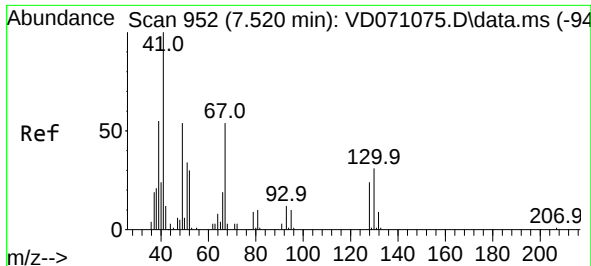
Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Tgt Ion: 78 Resp: 50564

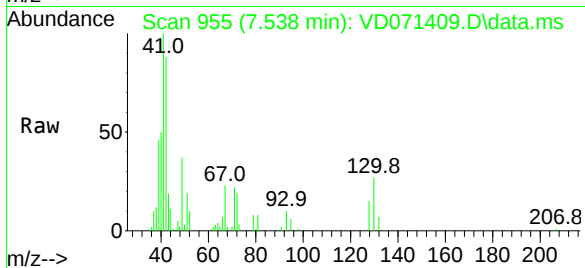
Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7





#41
Methacrylonitrile
Concen: 210.678 ug/l m
RT: 7.538 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

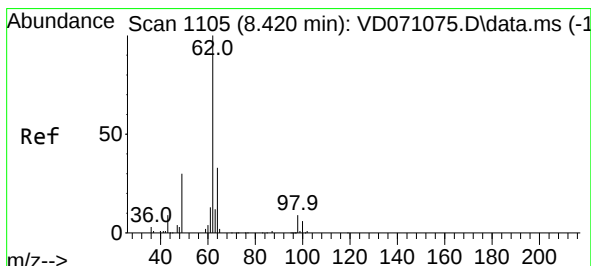
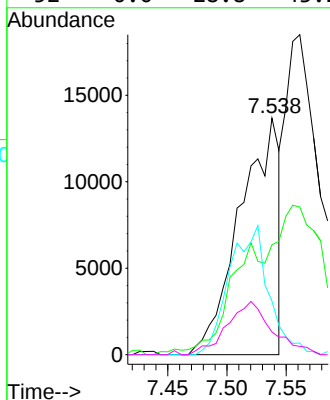
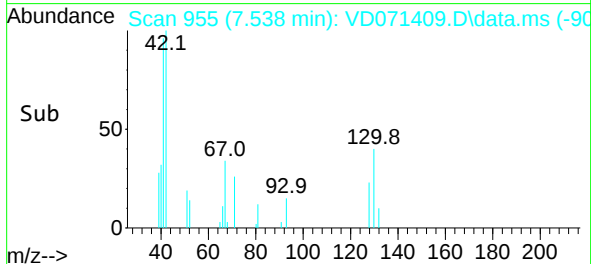
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 41 Resp: 3168
Ion Ratio Lower Upper
41 100
39 76.4 60.2 90.4
67 0.0 74.8 112.2
52 0.0 28.8 43.2#

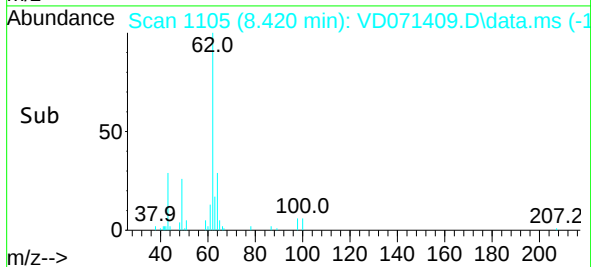
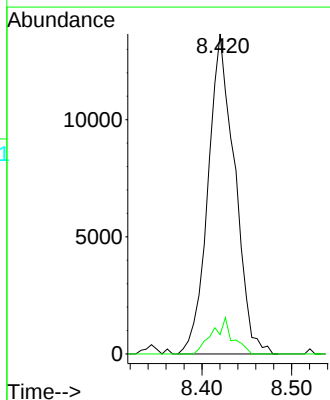
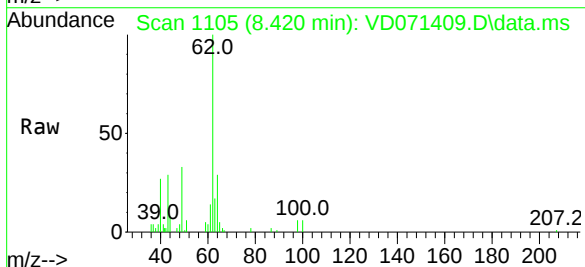
Manual Integrations
APPROVED

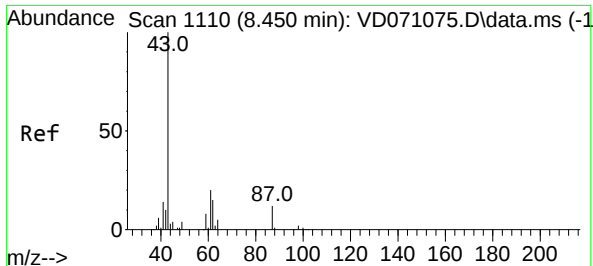
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#42
1,2-Dichloroethane
Concen: 99.604 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

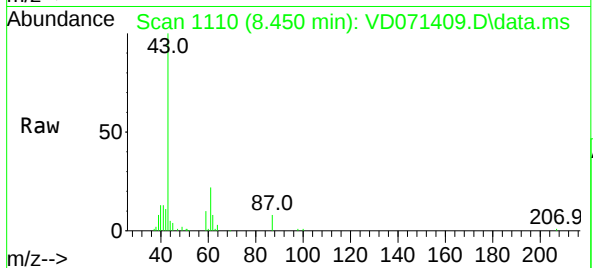
Tgt Ion: 62 Resp: 28241
Ion Ratio Lower Upper
62 100
98 8.6 0.0 21.8





#43
Isopropyl Acetate
Concen: 185.593 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

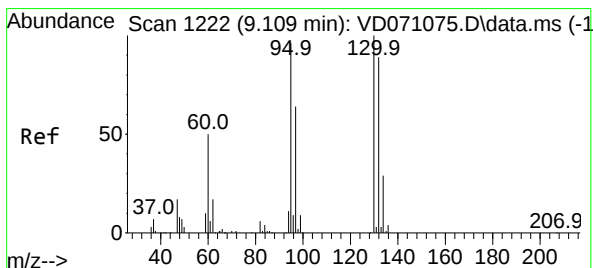
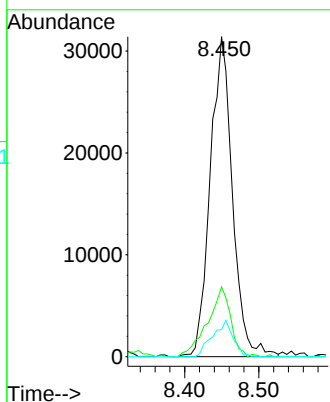
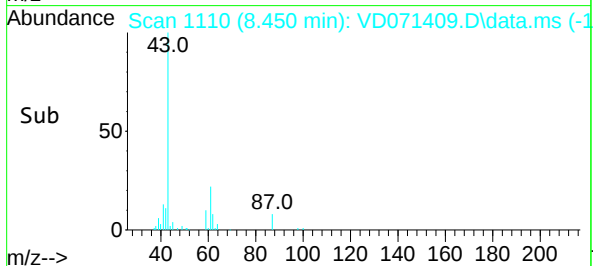
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 43 Resp: 65464
Ion Ratio Lower Upper
43 100
61 22.6 28.2 42.4
87 10.5 10.7 16.1

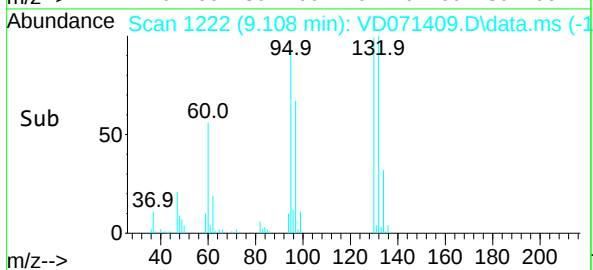
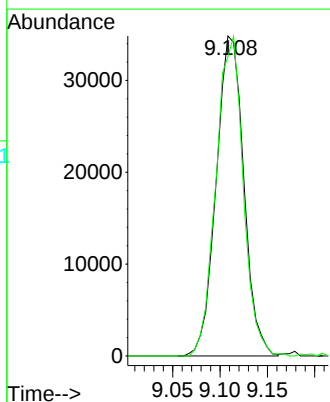
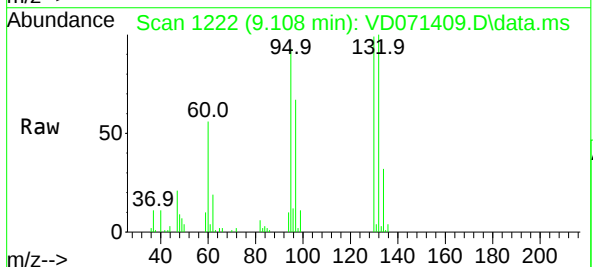
Manual Integrations
APPROVED

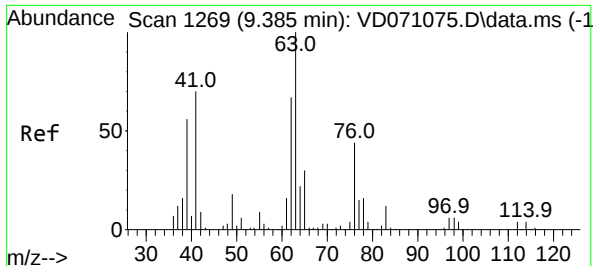
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#44
Trichloroethene
Concen: 284.902 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.001 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion:130 Resp: 70559
Ion Ratio Lower Upper
130 100
95 93.5 0.0 193.2





#45

1,2-Dichloropropane

Concen: 70.249 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. -0.006 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 63 Resp: 1716

Ion Ratio Lower Upper

63 100

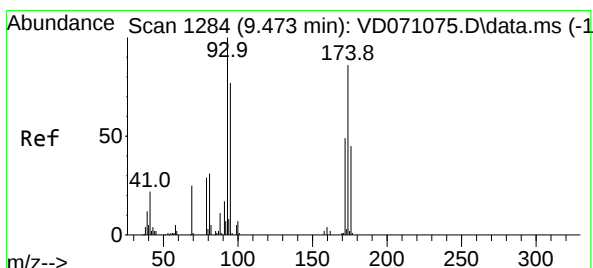
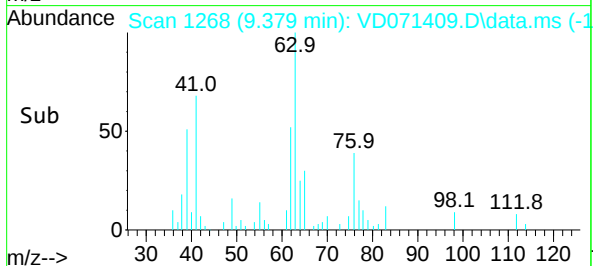
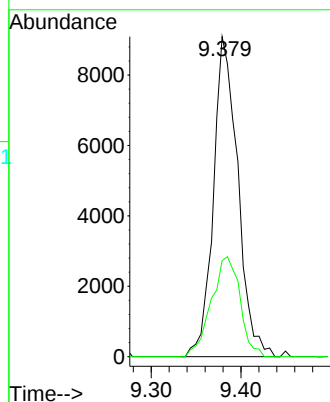
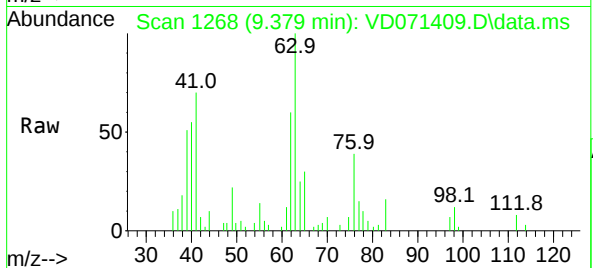
65 30.0 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#46

Dibromomethane

Concen: 118.429 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

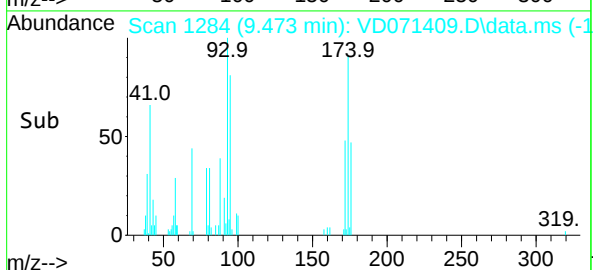
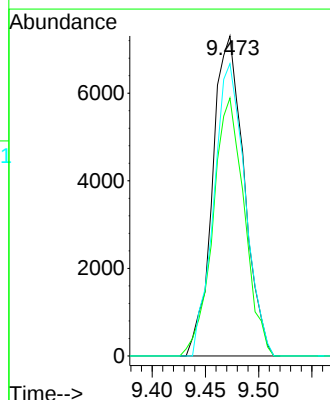
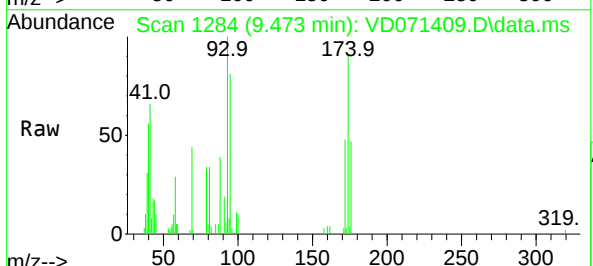
Tgt Ion: 93 Resp: 15009

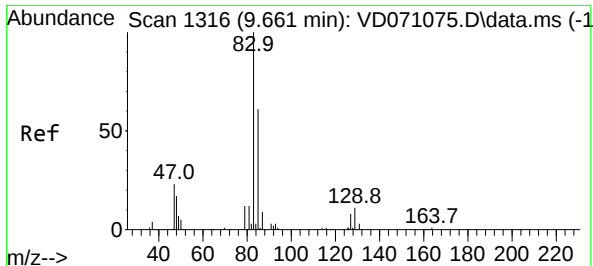
Ion Ratio Lower Upper

93 100

95 80.5 66.1 99.1

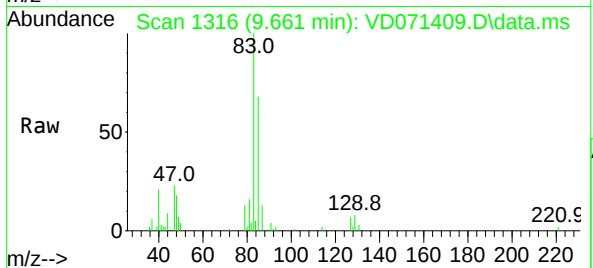
174 90.7 78.6 117.8





#47
Bromodichloromethane
Concen: 76.870 ug/l
RT: 9.661 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

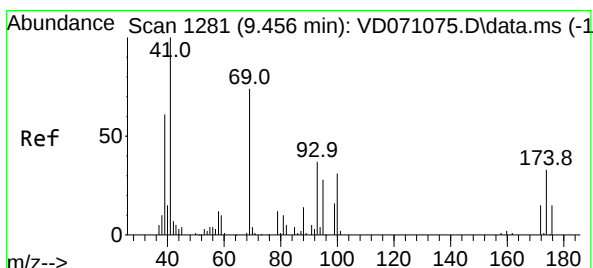
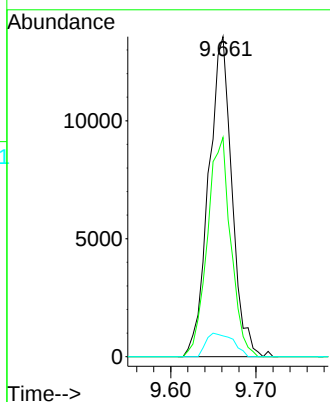
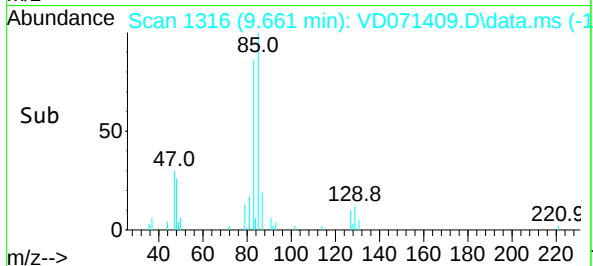
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 83 Resp: 25764
Ion Ratio Lower Upper
83 100
85 68.5 50.0 75.0
127 6.5 7.3 10.9

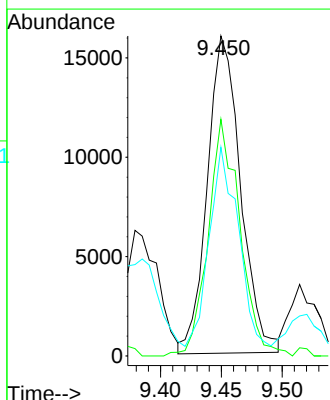
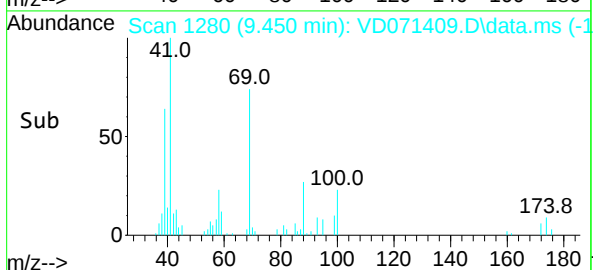
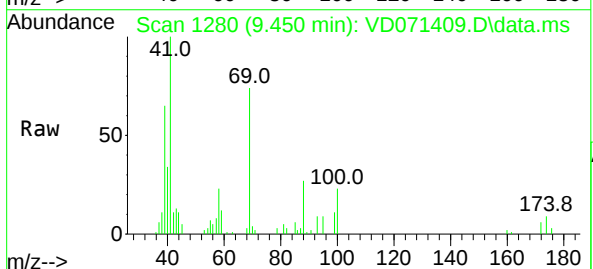
Manual Integrations
APPROVED

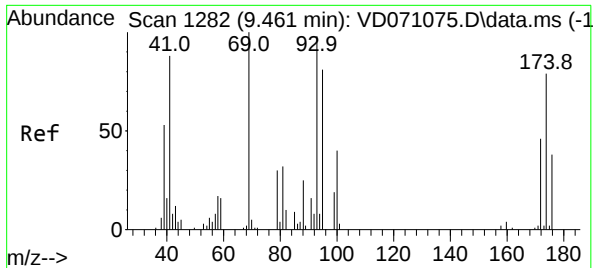
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#48
Methyl methacrylate
Concen: 210.332 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion: 41 Resp: 30412
Ion Ratio Lower Upper
41 100
69 71.1 69.8 104.6
39 60.4 35.6 53.4





#49

1,4-Dioxane

Concen: 9450.898 ug/l

RT: 9.455 min Scan# 1156

Delta R.T. -0.006 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 88 Resp: 1156

Ion Ratio Lower Upper

88 100

43 43.7 28.9 43.3

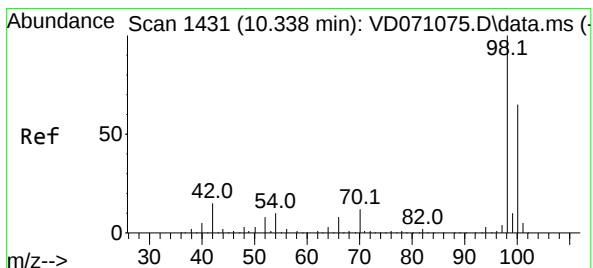
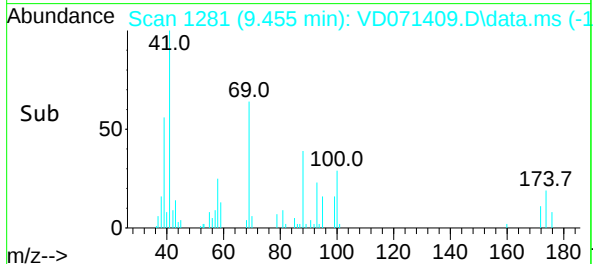
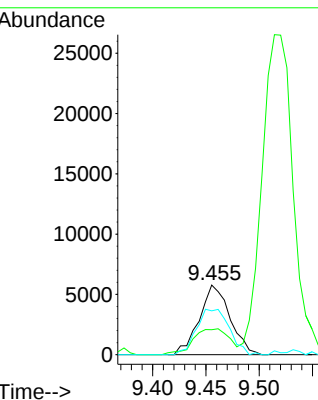
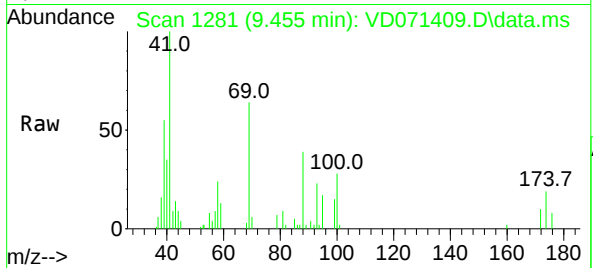
58 69.9 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#50

Toluene-d8

Concen: 50.425 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071409.D

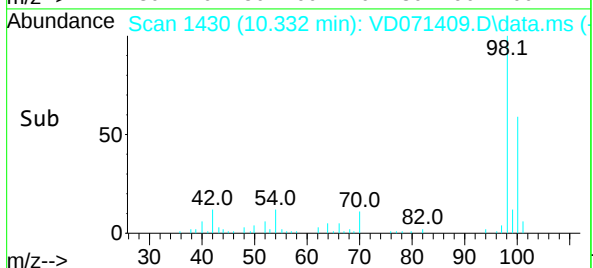
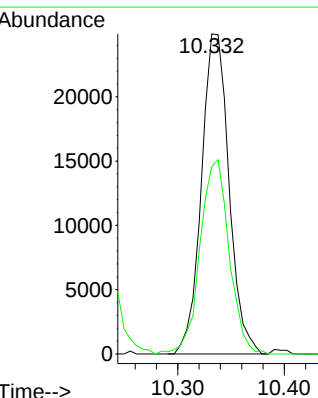
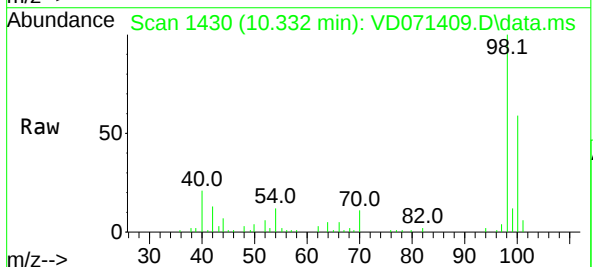
Acq: 21 Dec 2021 14:25

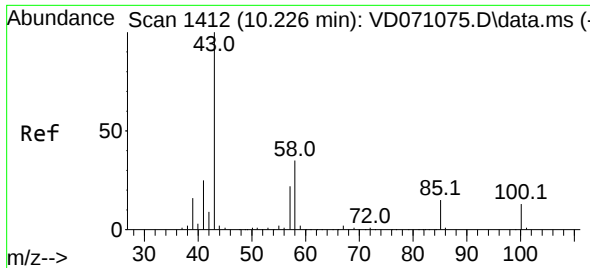
Tgt Ion: 98 Resp: 44709

Ion Ratio Lower Upper

98 100

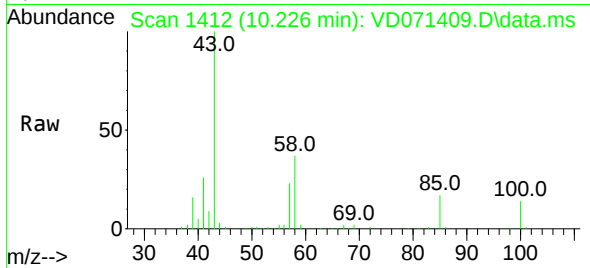
100 63.9 51.8 77.6





#51
4-Methyl-2-Pentanone
Concen: 1216.831 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

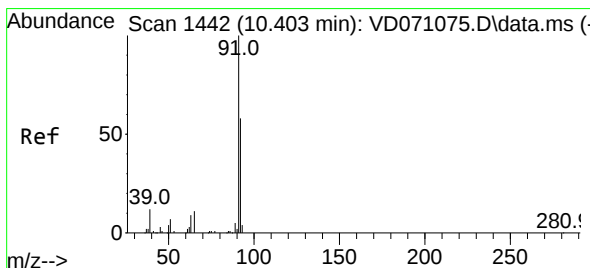
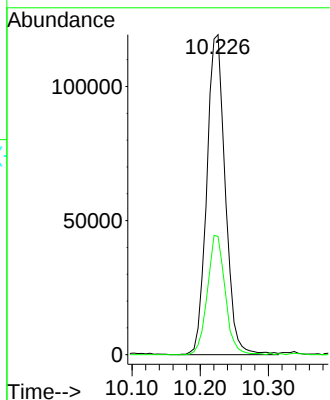
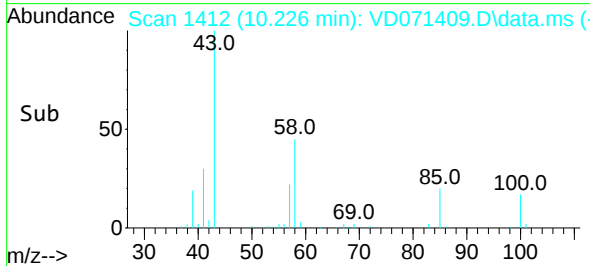
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS



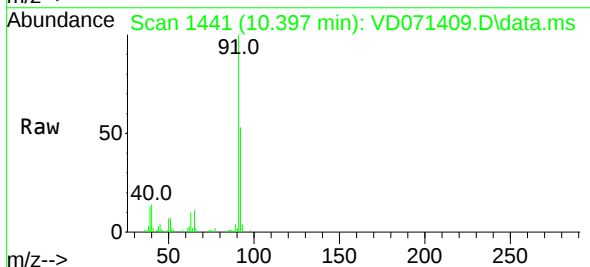
Tgt Ion: 43 Resp: 225190
Ion Ratio Lower Upper
43 100
58 35.9 33.1 49.7

Manual Integrations
APPROVED

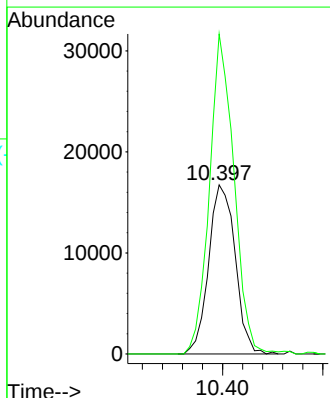
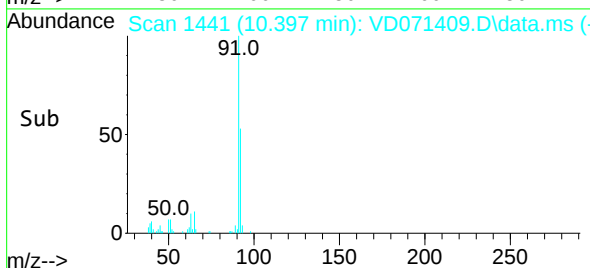
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

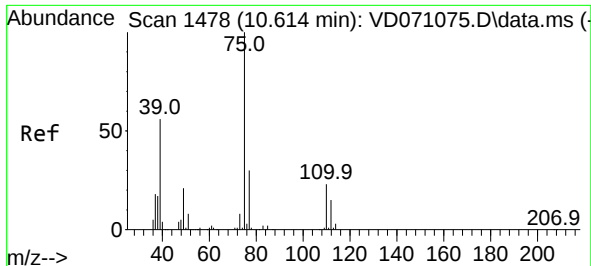


#52
Toluene
Concen: 52.060 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25



Tgt Ion: 92 Resp: 30682
Ion Ratio Lower Upper
92 100
91 175.8 140.7 211.1





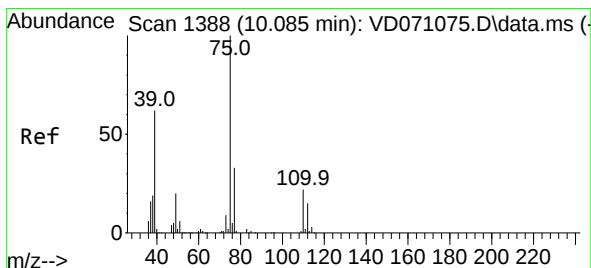
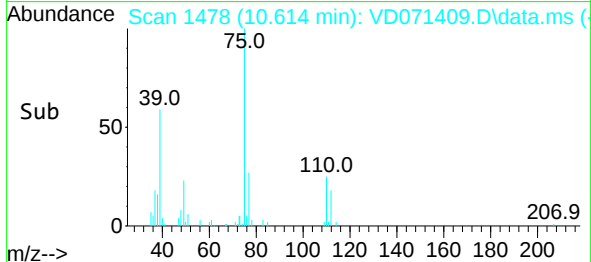
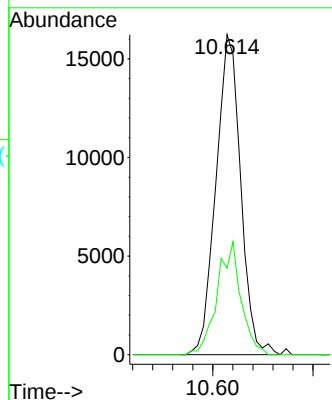
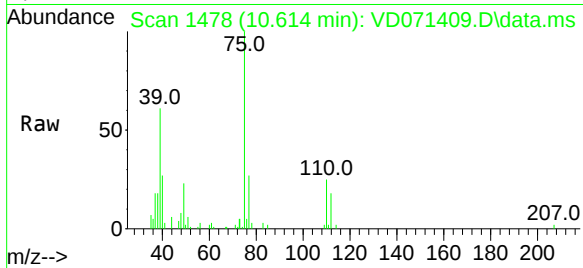
#53
 t-1,3-Dichloropropene
 Concen: 89.991 ug/l
 RT: 10.614 min Scan# 1478
 Delta R.T. 0.000 min
 Lab File: VD071409.D
 Acq: 21 Dec 2021 14:25

Instrument : MSVOA_D
 ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 75 Resp: 2773
 Ion Ratio Lower Upper
 75 100
 77 27.1 24.5 36.7

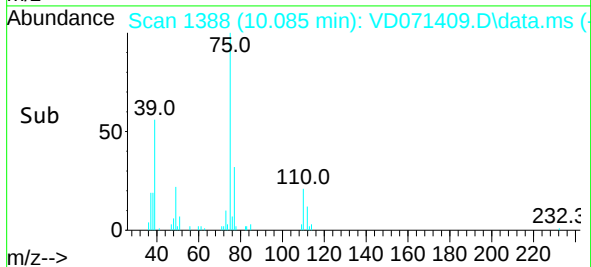
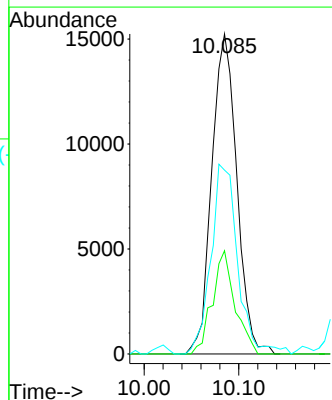
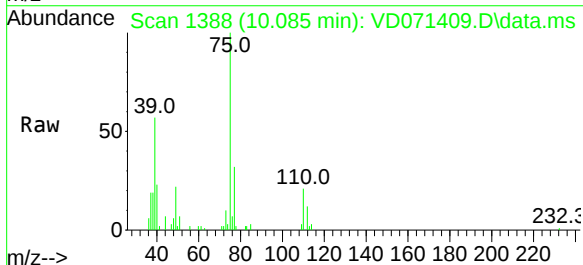
Manual Integrations
 APPROVED

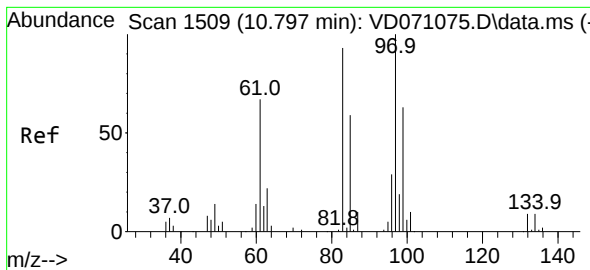
Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021



#54
 cis-1,3-Dichloropropene
 Concen: 76.591 ug/l
 RT: 10.085 min Scan# 1388
 Delta R.T. -0.000 min
 Lab File: VD071409.D
 Acq: 21 Dec 2021 14:25

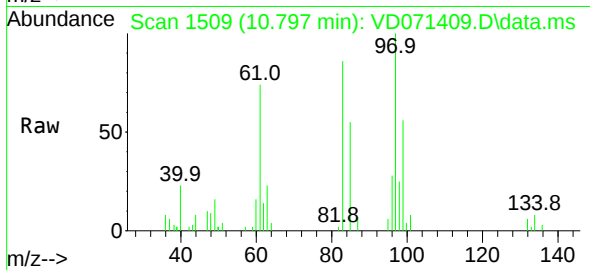
Tgt Ion: 75 Resp: 28035
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.6
 39 57.5 31.6 47.4#





#55
1,1,2-Trichloroethane
Concen: 129.107 ug/l
RT: 10.797 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

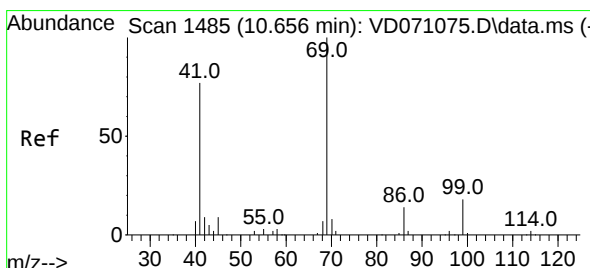
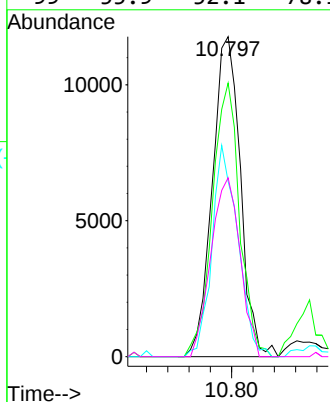
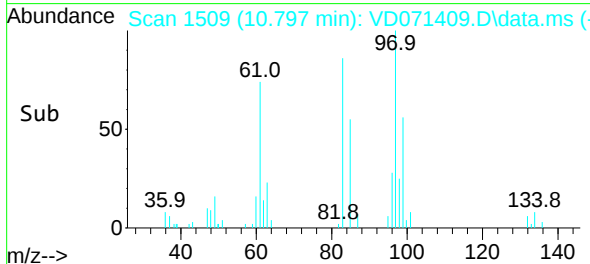
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



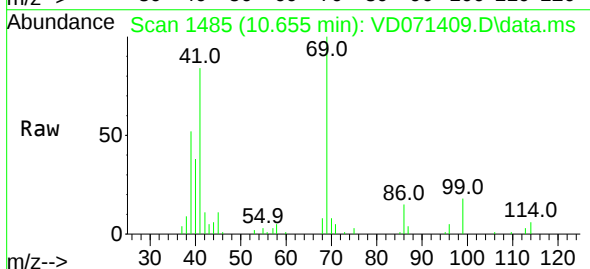
Tgt Ion: 97 Resp: 21468
Ion Ratio Lower Upper
97 100
83 85.5 65.2 97.8
85 54.8 43.4 65.0
99 55.9 52.1 78.1

Manual Integrations
APPROVED

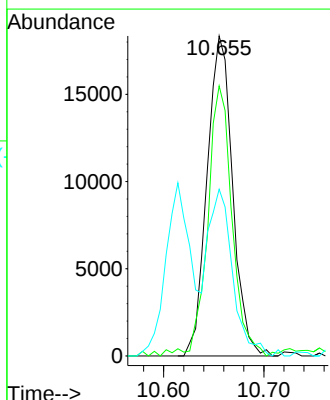
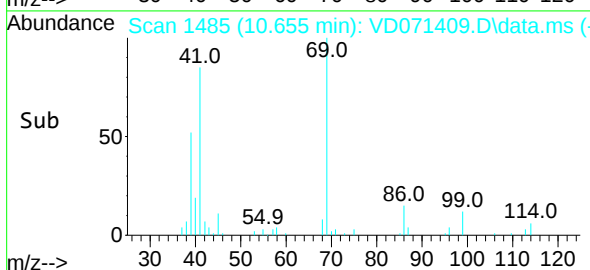
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

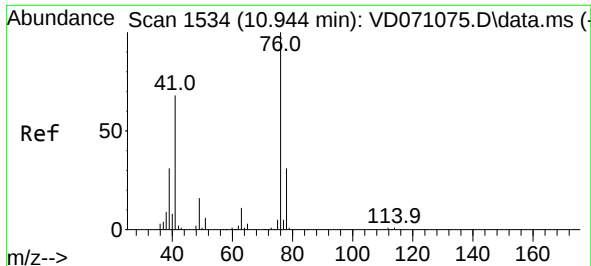


#56
Ethyl methacrylate
Concen: 125.275 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25



Tgt Ion: 69 Resp: 32427
Ion Ratio Lower Upper
69 100
41 81.1 50.2 75.2#
39 49.6 19.8 29.8#





#57

1,3-Dichloropropane

Concen: 123.931 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.006 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 76 Resp: 36190

Ion Ratio Lower Upper

76 100

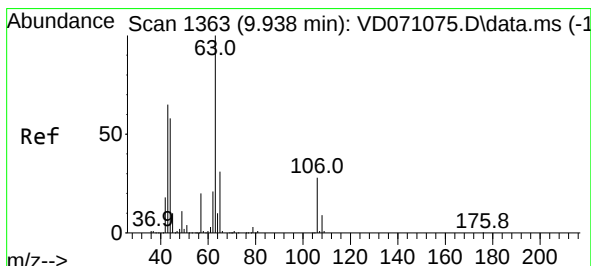
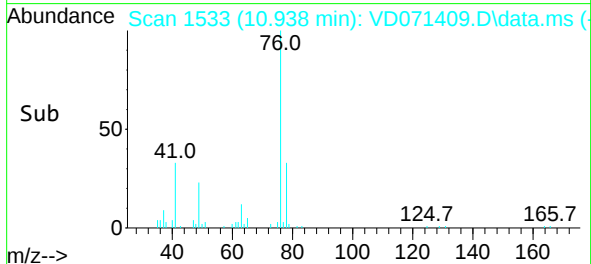
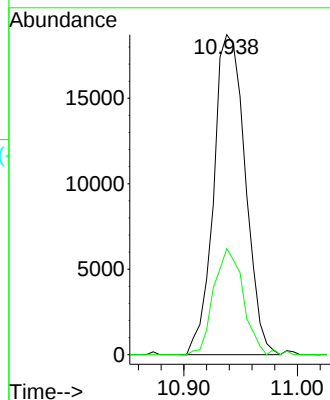
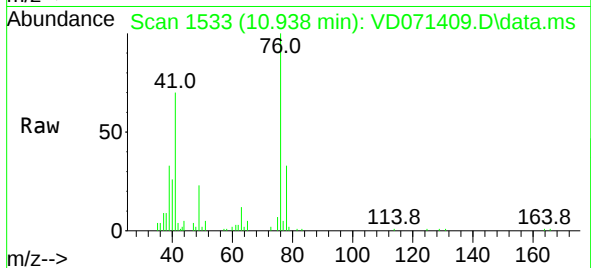
78 31.1 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#58

2-Chloroethyl Vinyl ether

Concen: 727.568 ug/l

RT: 9.938 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VD071409.D

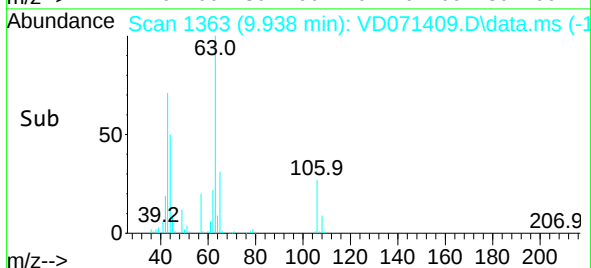
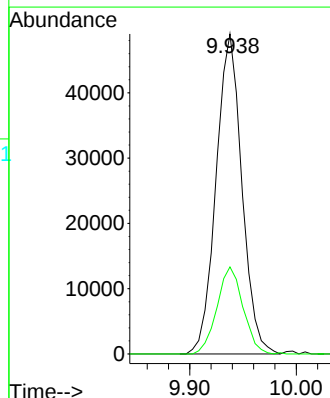
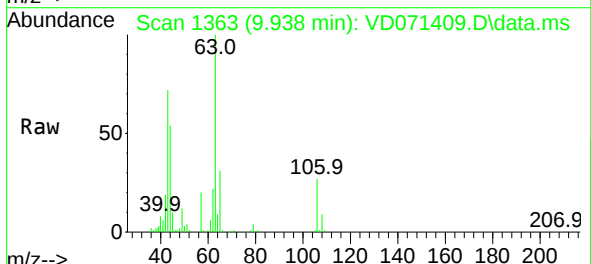
Acq: 21 Dec 2021 14:25

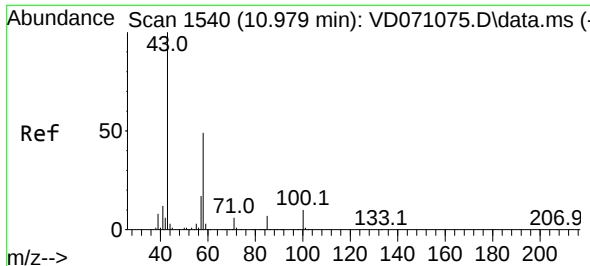
Tgt Ion: 63 Resp: 82313

Ion Ratio Lower Upper

63 100

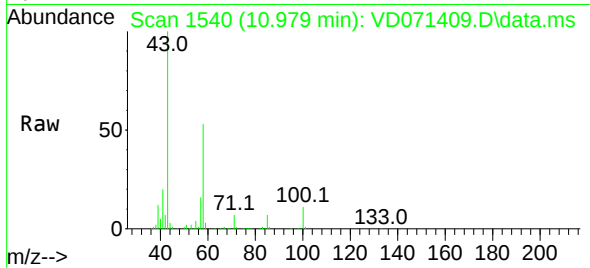
106 27.5 21.0 31.4





#59
2-Hexanone
Concen: 1208.486 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

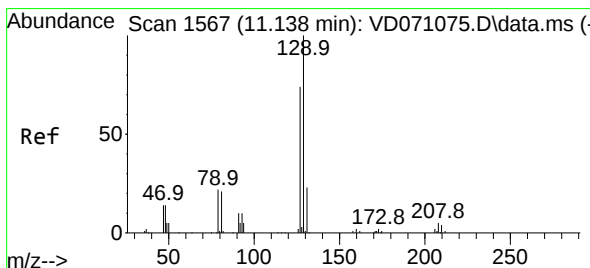
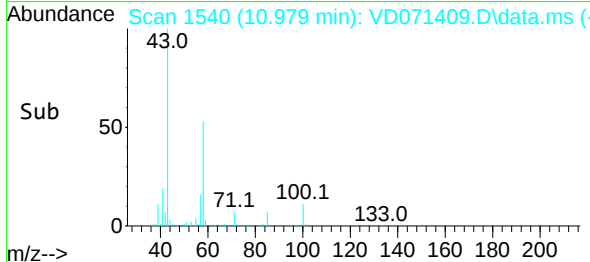
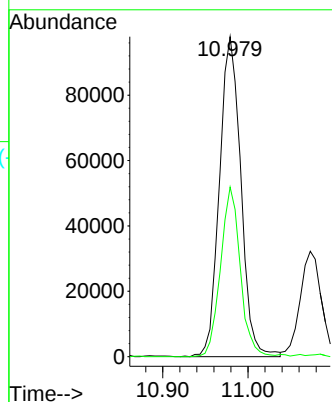
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 43 Resp: 17098
Ion Ratio Lower Upper
43 100
58 48.9 28.7 86.1

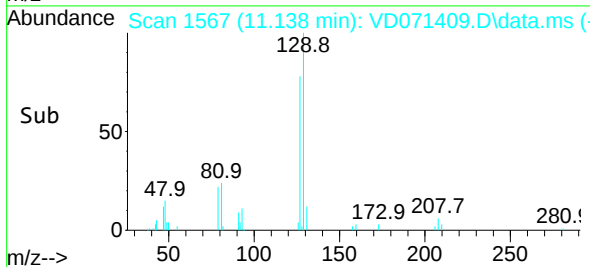
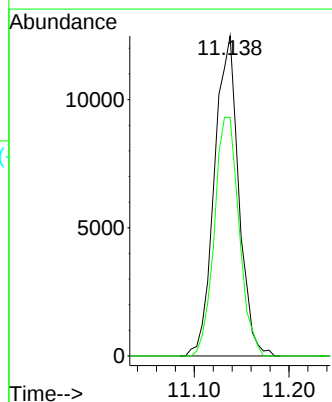
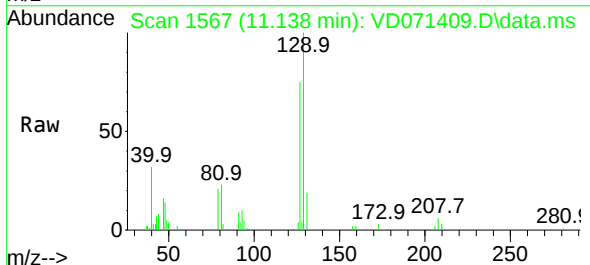
Manual Integrations
APPROVED

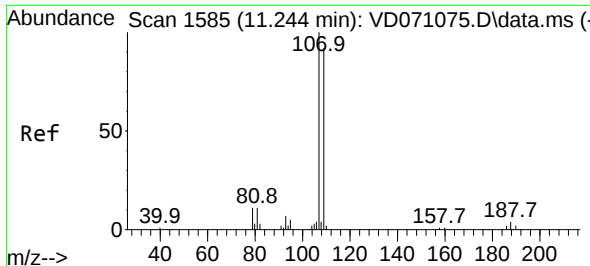
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#60
Dibromochloromethane
Concen: 107.825 ug/l
RT: 11.138 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

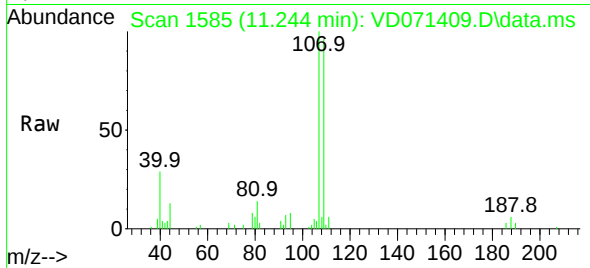
Tgt Ion:129 Resp: 22280
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.6





#61
1,2-Dibromoethane
Concen: 141.050 ug/l
RT: 11.244 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

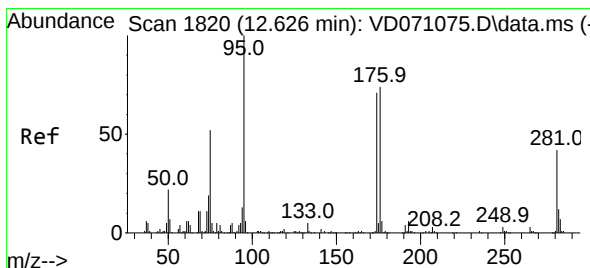
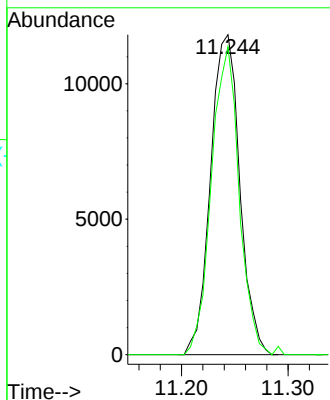
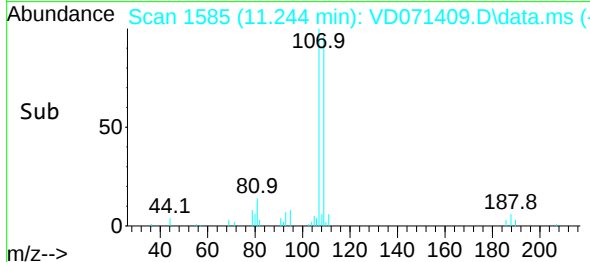
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMS



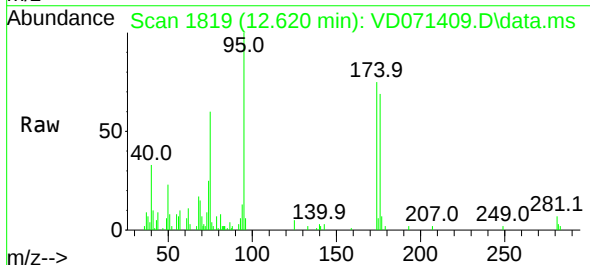
Tgt Ion:107 Resp: 2252
Ion Ratio Lower Upper
107 100
109 91.1 74.6 112.0

Manual Integrations
APPROVED

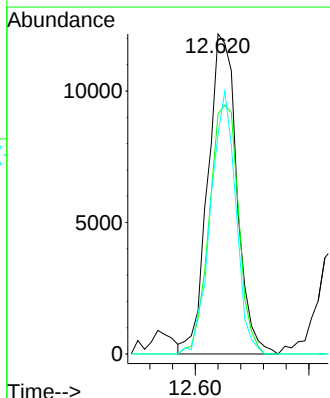
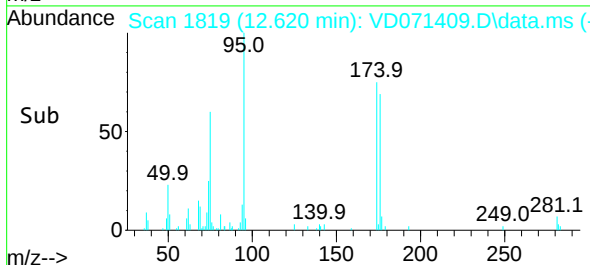
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

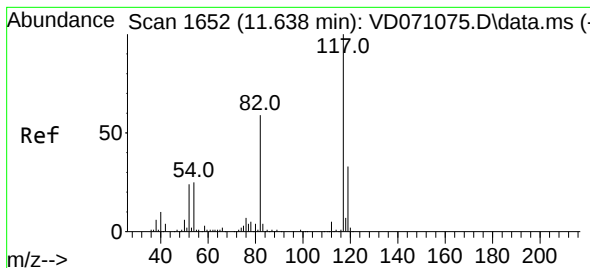


#62
4-Bromofluorobenzene
Concen: 70.111 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25



Tgt Ion: 95 Resp: 21548
Ion Ratio Lower Upper
95 100
174 78.4 0.0 159.4
176 71.5 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1652

Delta R.T. -0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS

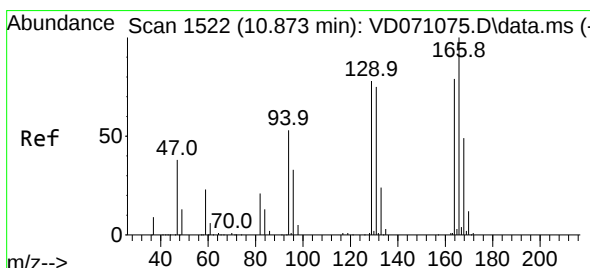
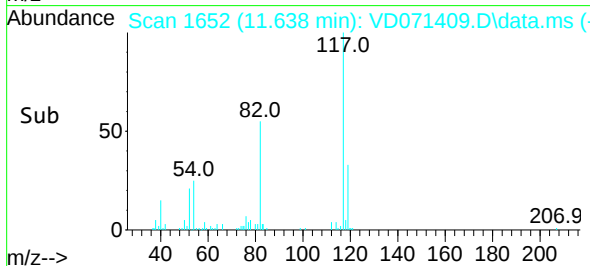
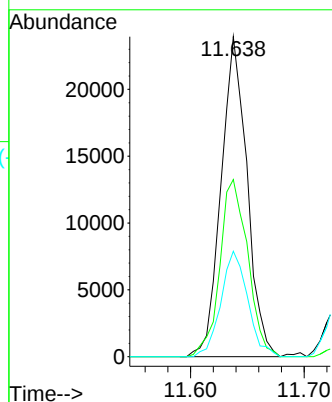
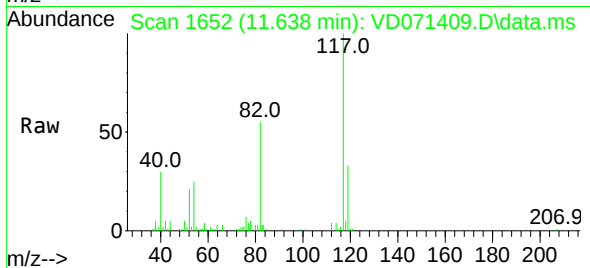
Tgt Ion:	117	Resp:	38020
Ion Ratio	Lower	Upper	
117	100		
82	55.3	44.7	67.1
119	32.9	26.2	39.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#64

Tetrachloroethene

Concen: 373.685 ug/l

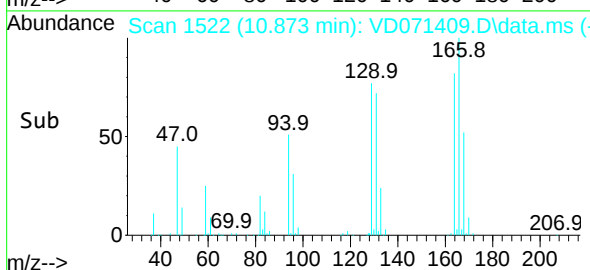
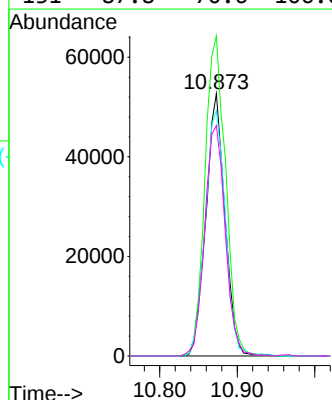
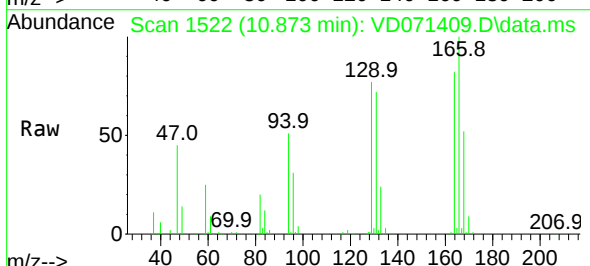
RT: 10.873 min Scan# 1522

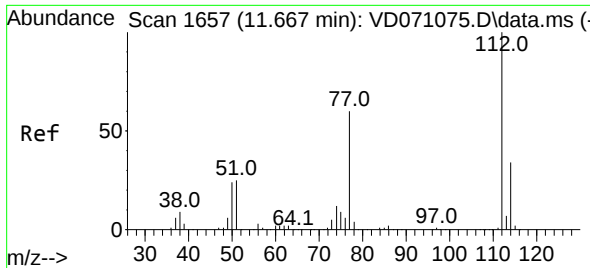
Delta R.T. 0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

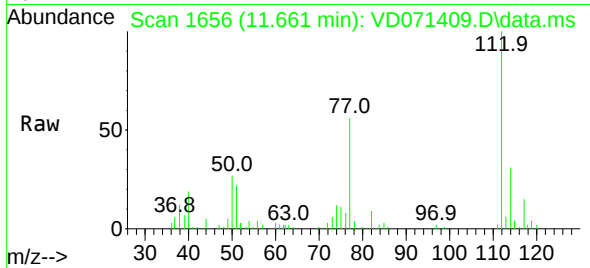
Tgt Ion:	164	Resp:	90196
Ion Ratio	Lower	Upper	
164	100		
166	122.0	102.6	153.8
129	93.5	75.4	113.0
131	87.8	70.6	106.0





#65
Chlorobenzene
Concen: 53.938 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

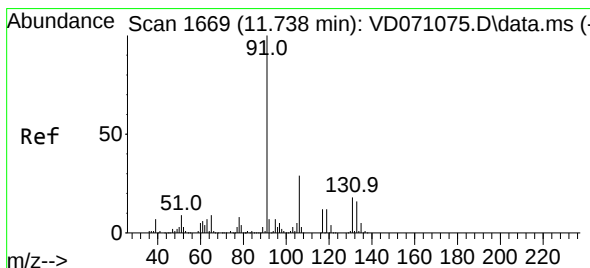
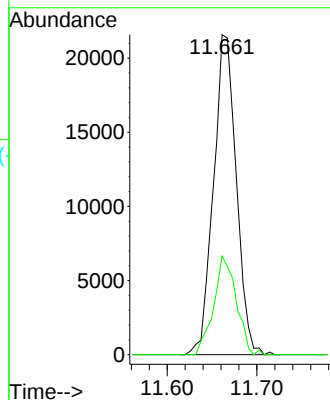
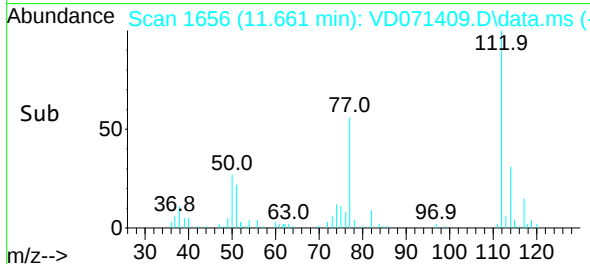
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion:112 Resp: 38050
Ion Ratio Lower Upper
112 100
114 30.9 26.0 39.0

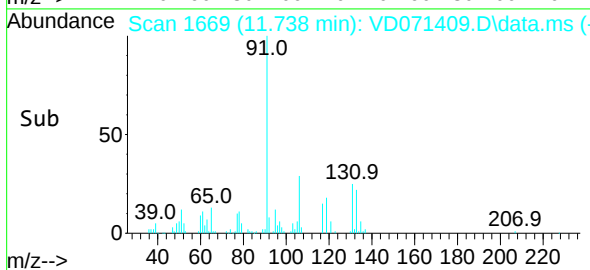
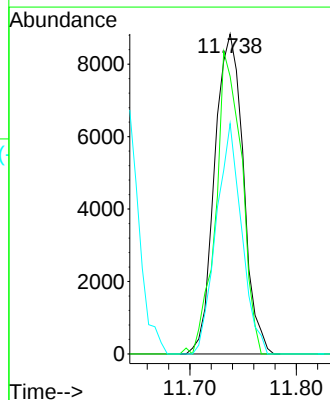
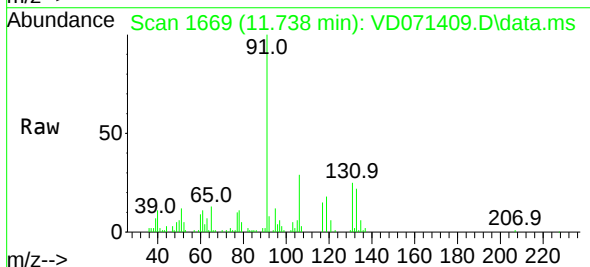
Manual Integrations
APPROVED

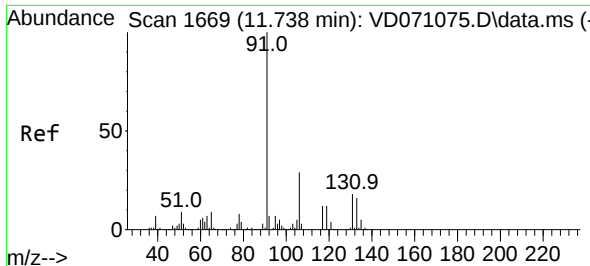
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 64.017 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion:131 Resp: 16489
Ion Ratio Lower Upper
131 100
133 85.6 48.0 144.0
119 64.2 33.5 100.4





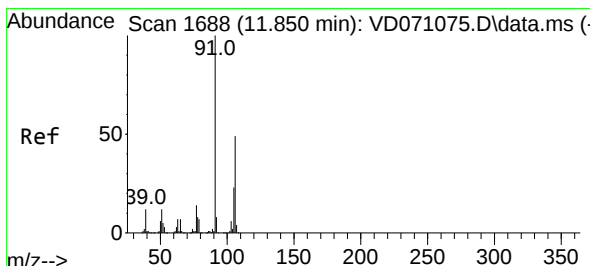
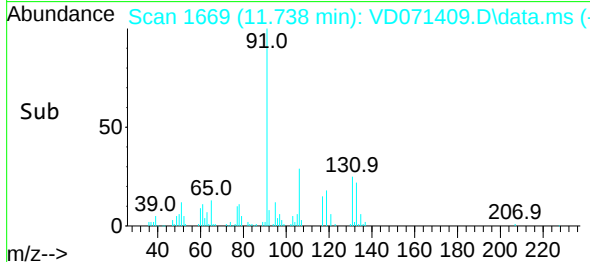
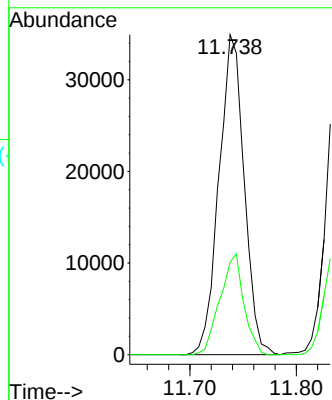
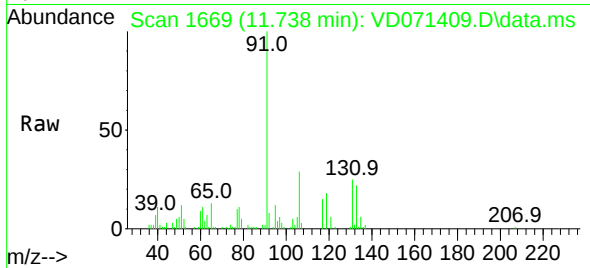
#67
Ethyl Benzene
Concen: 43.159 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 91 Resp: 5731
Ion Ratio Lower Upper
91 100
106 28.9 24.6 36.8

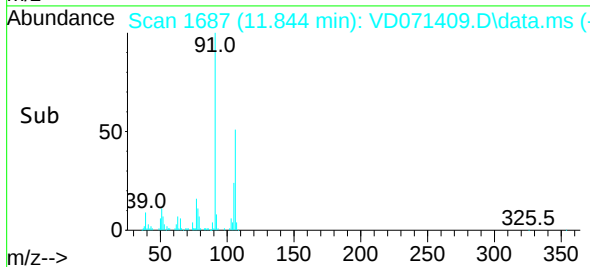
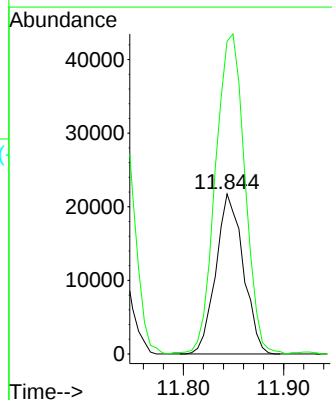
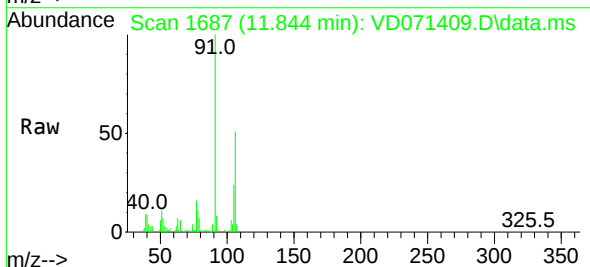
Manual Integrations
APPROVED

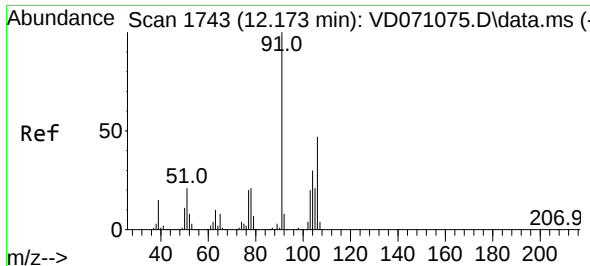
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#68
m/p-Xylenes
Concen: 82.076 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion:106 Resp: 41150
Ion Ratio Lower Upper
106 100
91 214.4 160.1 240.1





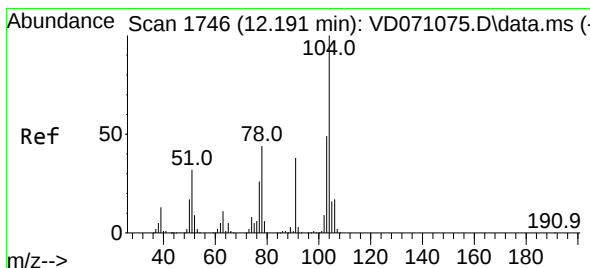
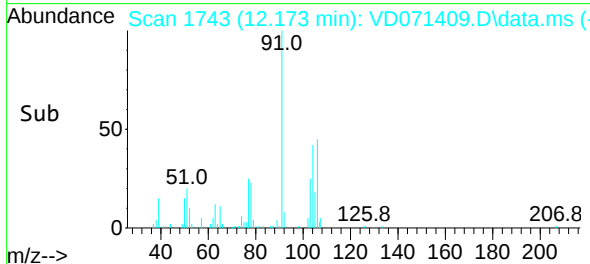
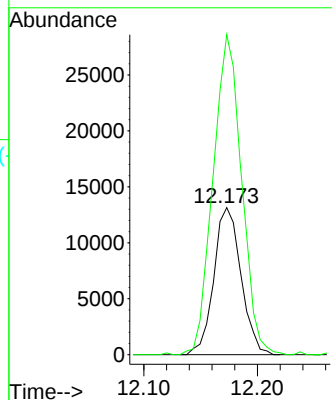
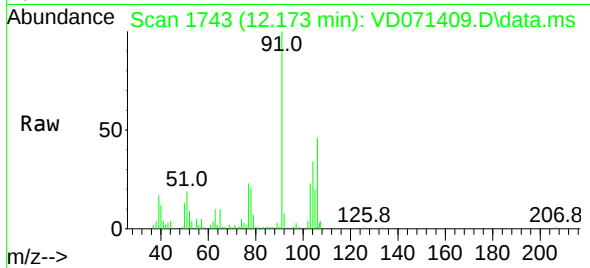
#69
o-Xylene
Concen: 46.286 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion:106 Resp: 2181
Ion Ratio Lower Upper
106 100
91 228.9 106.3 319.0

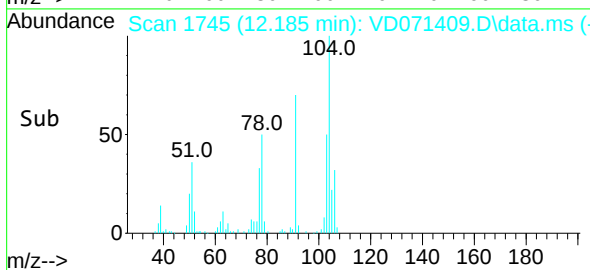
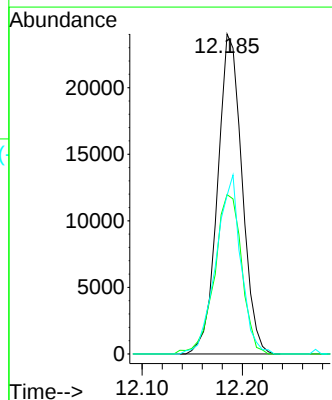
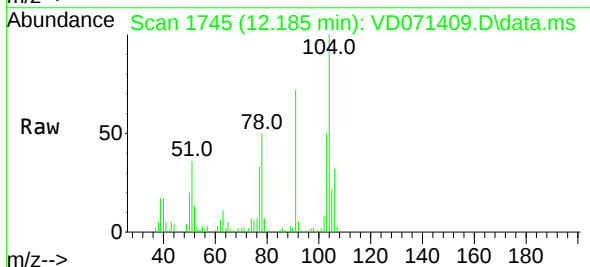
Manual Integrations
APPROVED

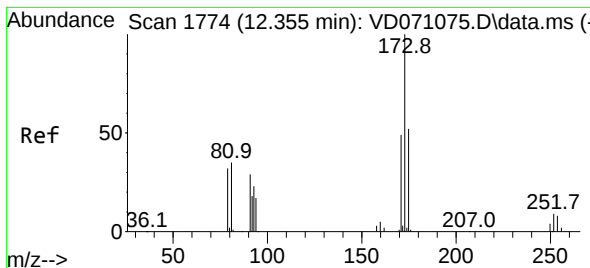
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#70
Styrene
Concen: 51.123 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion:104 Resp: 40601
Ion Ratio Lower Upper
104 100
78 55.7 39.4 59.0
103 56.9 43.4 65.0





#71

Bromoform

Concen: 135.022 ug/l

RT: 12.355 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS

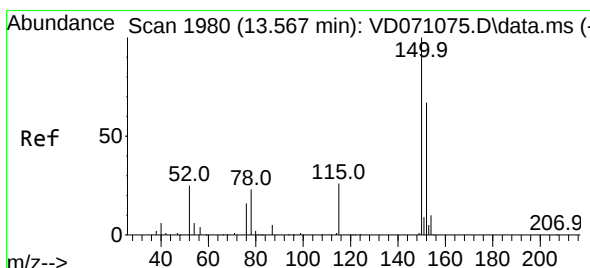
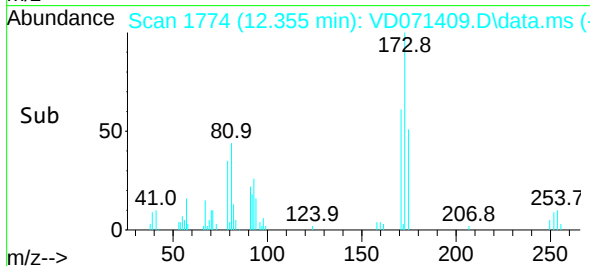
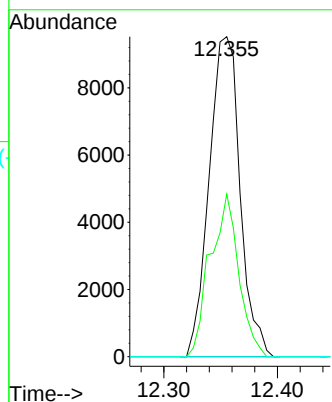
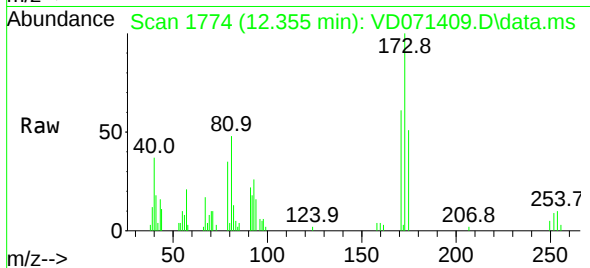
Tgt Ion:	173	Resp:	1801
Ion Ratio	Lower	Upper	
173	100		
175	46.9	24.1	72.2
254	0.0	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

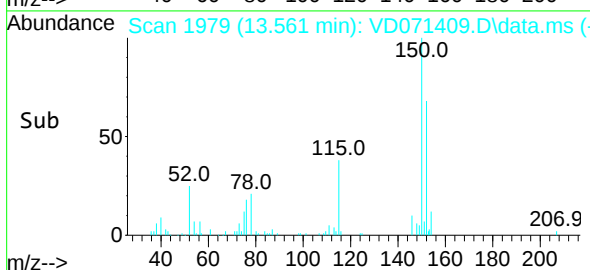
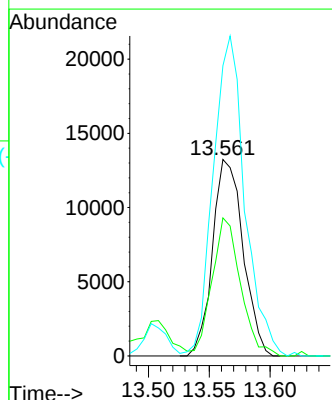
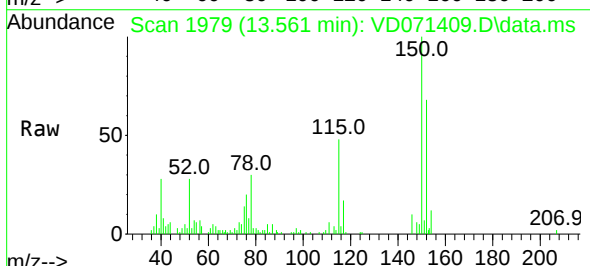
RT: 13.561 min Scan# 1979

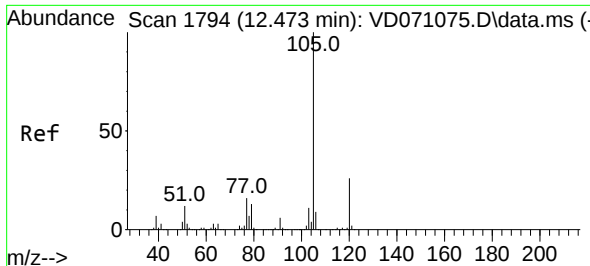
Delta R.T. -0.006 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Tgt Ion:	152	Resp:	23085
Ion Ratio	Lower	Upper	
152	100		
115	65.9	29.8	89.3
150	168.9	0.0	349.2





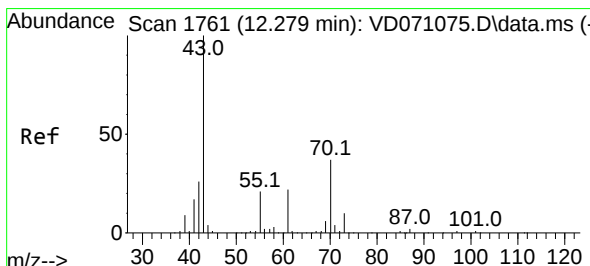
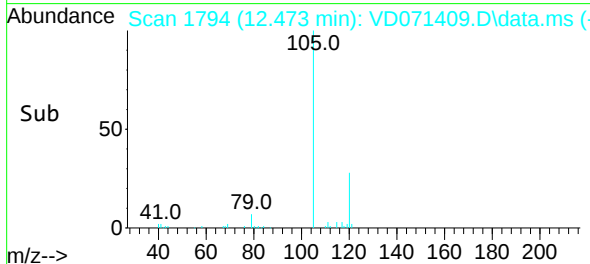
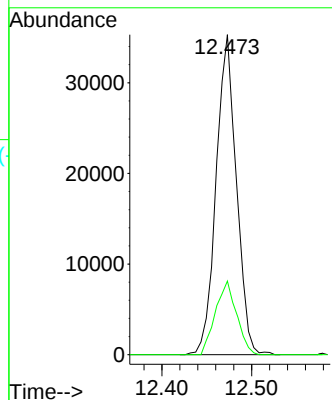
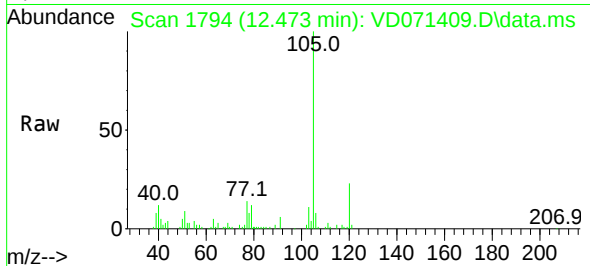
#73
Isopropylbenzene
Concen: 33.149 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 105 Resp: 55410
Ion Ratio Lower Upper
105 100
120 24.1 13.2 39.5

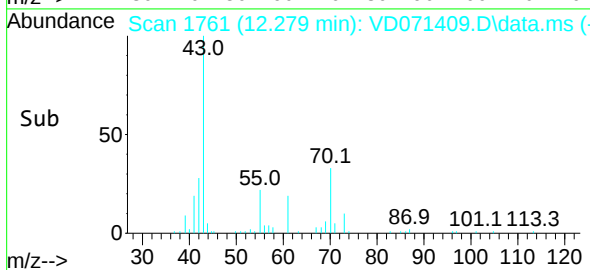
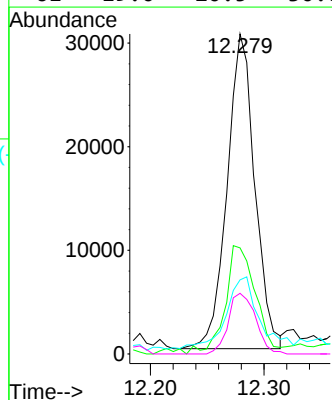
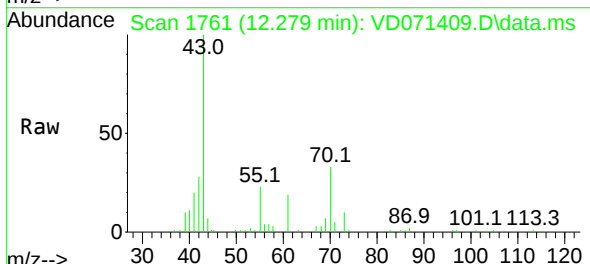
Manual Integrations
APPROVED

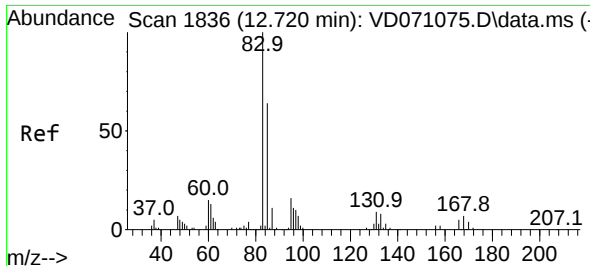
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#74
N-ethyl acetate
Concen: 105.511 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

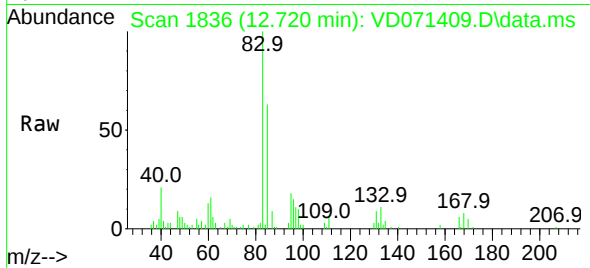
Tgt Ion: 43 Resp: 51556
Ion Ratio Lower Upper
43 100
70 37.6 36.6 55.0
55 26.4 22.5 33.7
61 19.0 20.5 30.7#





#75
1,1,2,2-Tetrachloroethane
Concen: 139.584 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

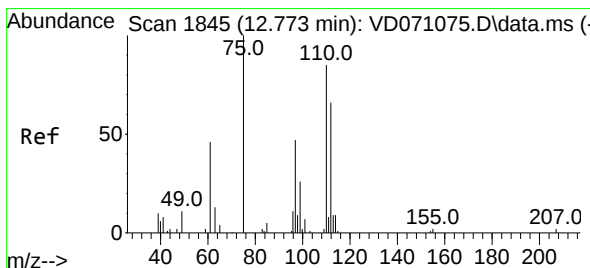
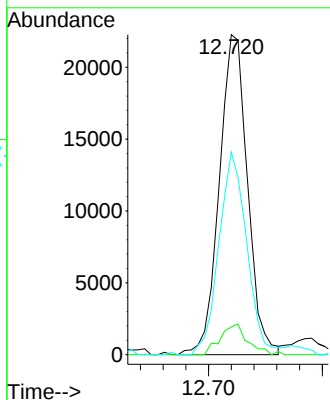
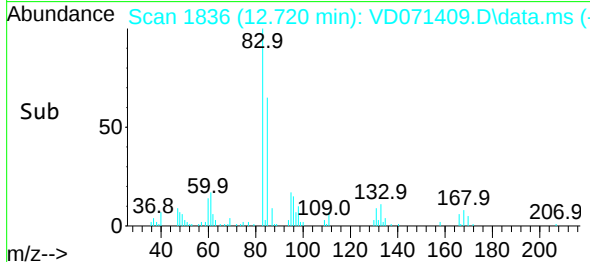
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion: 83 Resp: 3842
Ion Ratio Lower Upper
83 100
131 9.2 4.9 14.7
85 62.9 32.0 96.2

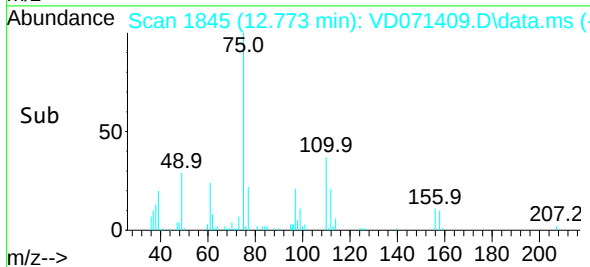
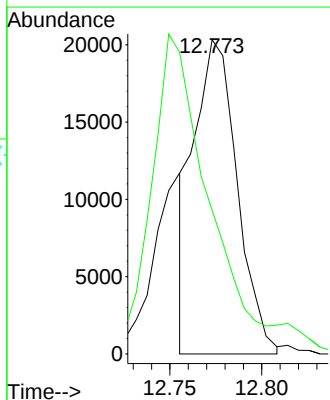
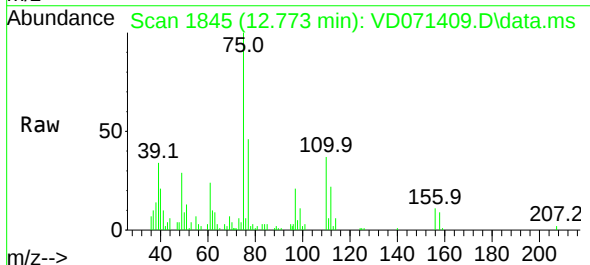
Manual Integrations
APPROVED

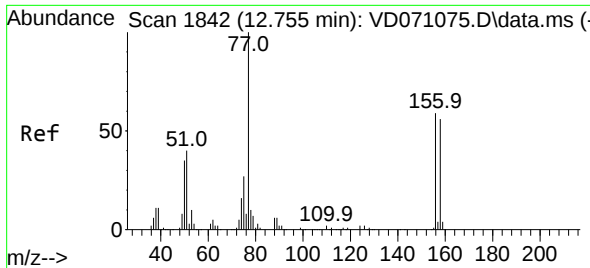
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#76
1,2,3-Trichloropropane
Concen: 150.616 ug/l m
RT: 12.773 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

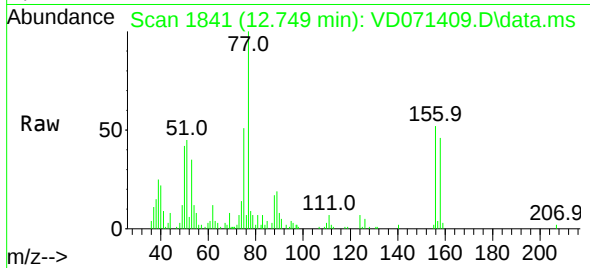
Tgt Ion: 75 Resp: 33127
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#





#77
Bromobenzene
Concen: 47.993 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

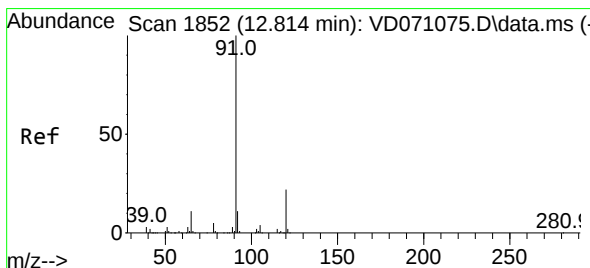
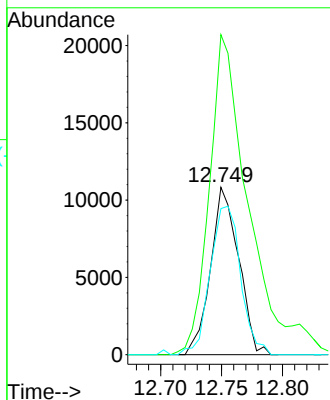
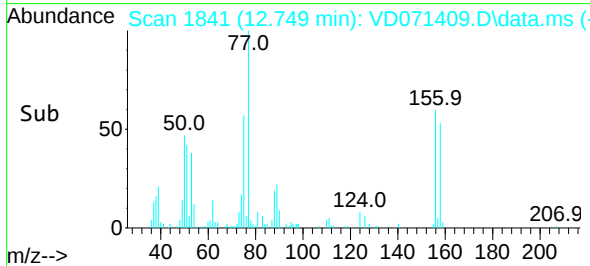
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



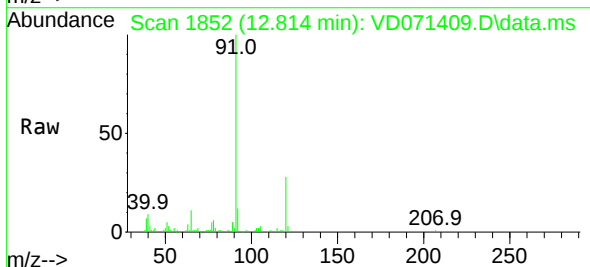
Tgt Ion:156 Resp: 17370
Ion Ratio Lower Upper
156 100
77 267.6 96.6 289.8
158 96.1 49.1 147.4

Manual Integrations
APPROVED

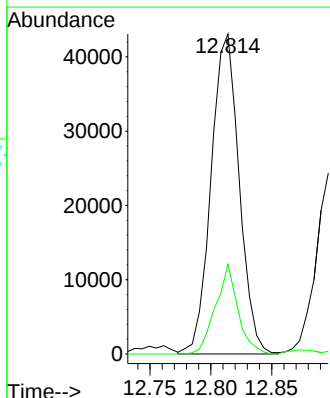
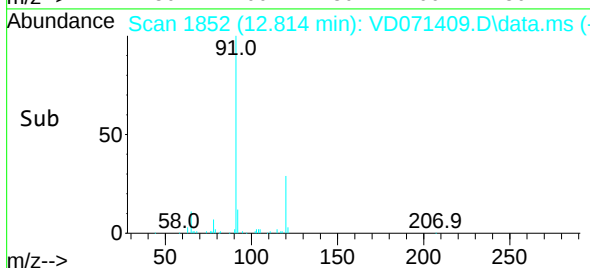
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

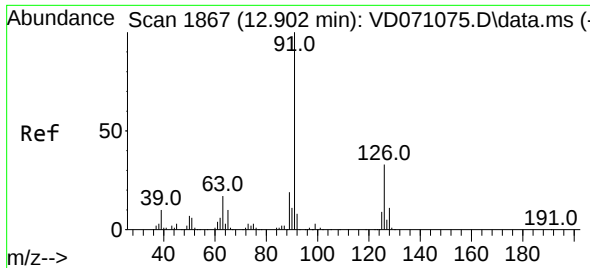


#78
n-propylbenzene
Concen: 33.230 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25



Tgt Ion: 91 Resp: 69172
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.9





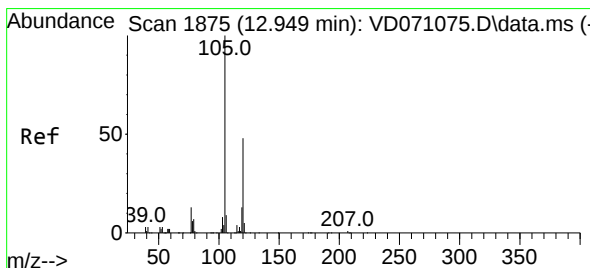
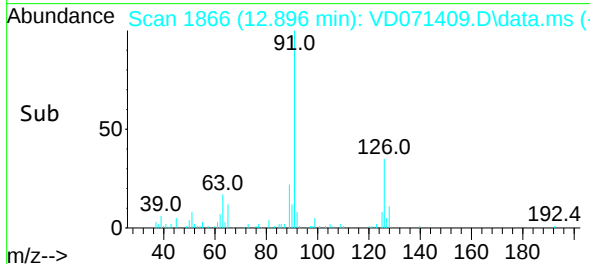
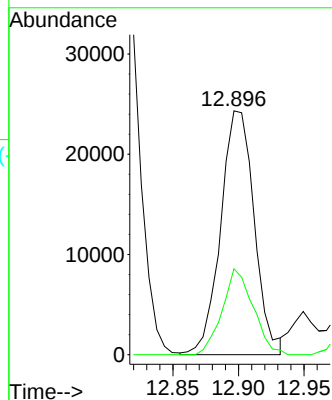
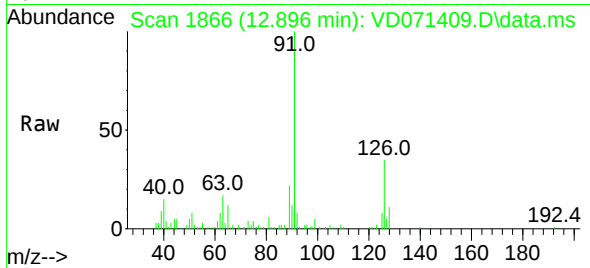
#79
2-Chlorotoluene
Concen: 37.155 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 91 Resp: 43409
Ion Ratio Lower Upper
91 100
126 32.3 16.6 49.7

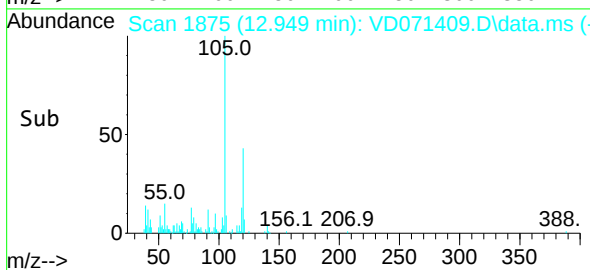
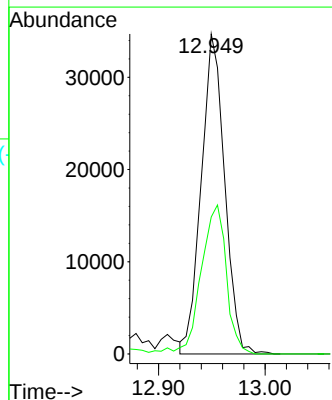
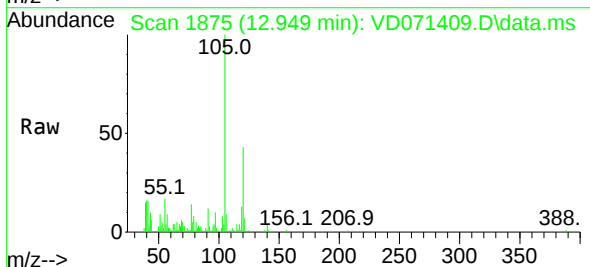
Manual Integrations
APPROVED

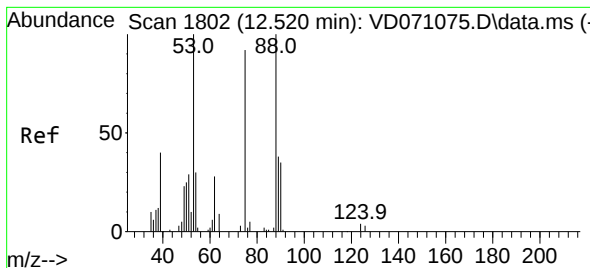
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#80
1,3,5-Trimethylbenzene
Concen: 38.513 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion:105 Resp: 53085
Ion Ratio Lower Upper
105 100
120 50.5 24.6 73.8





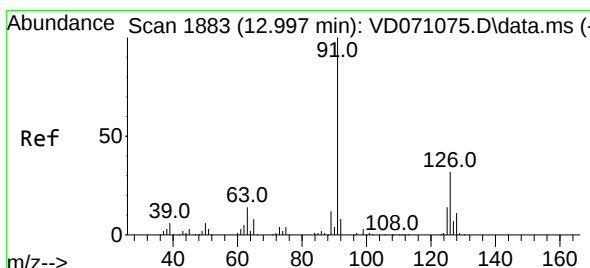
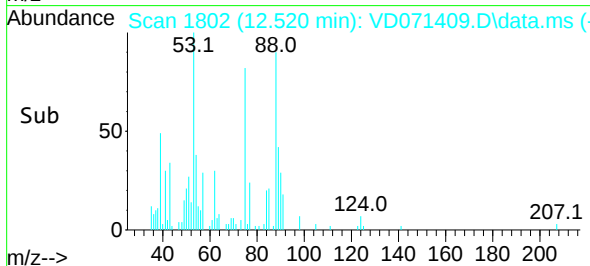
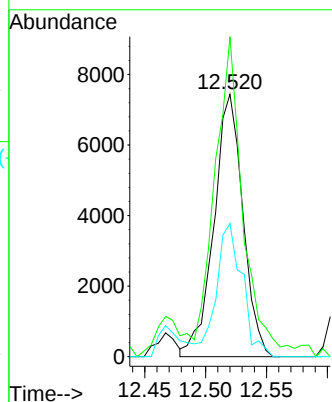
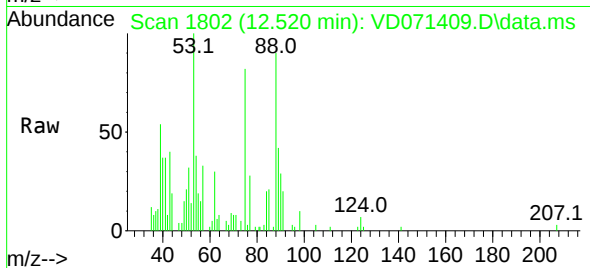
#81
trans-1,4-Dichloro-2-butene
Concen: 121.781 ug/l
RT: 12.520 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 75 Resp: 1233
Ion Ratio Lower Upper
75 100
53 120.8 62.6 94.0
89 45.5 34.5 51.7

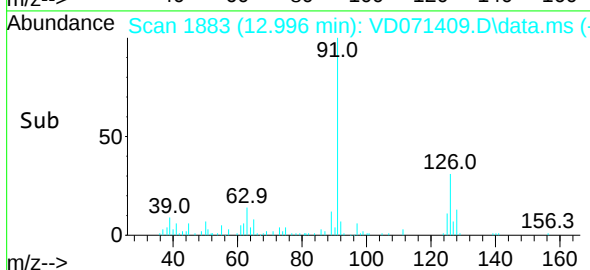
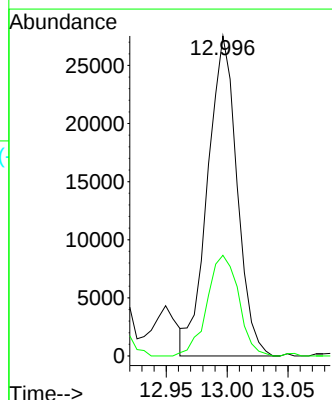
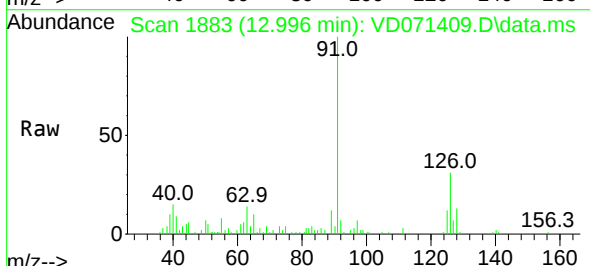
Manual Integrations
APPROVED

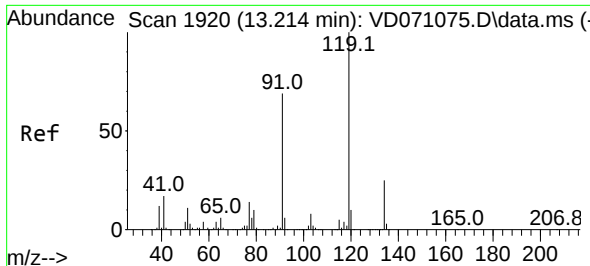
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#82
4-Chlorotoluene
Concen: 38.075 ug/l
RT: 12.996 min Scan# 1883
Delta R.T. -0.001 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

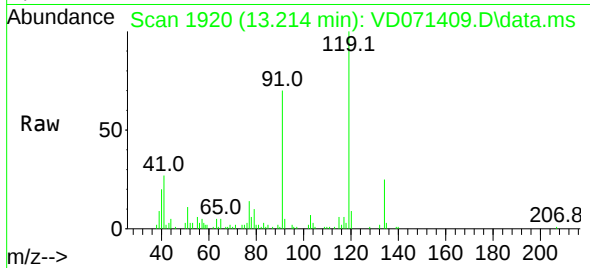
Tgt Ion: 91 Resp: 46182
Ion Ratio Lower Upper
91 100
126 33.8 16.4 49.1





#83
tert-Butylbenzene
Concen: 34.178 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

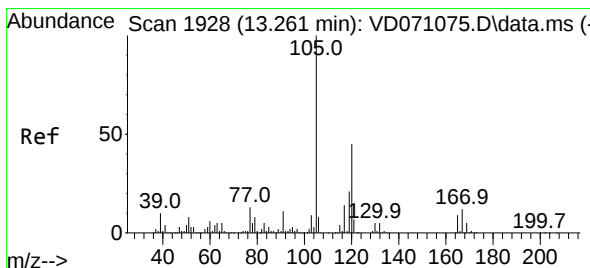
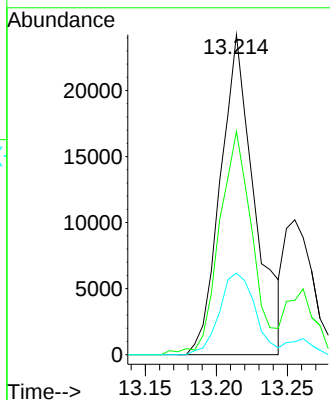
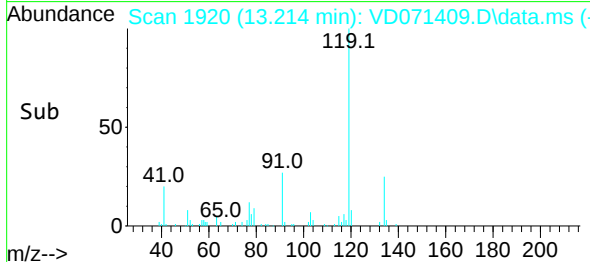
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



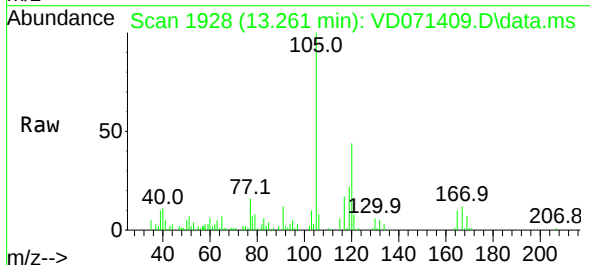
Tgt Ion:119 Resp: 40458
Ion Ratio Lower Upper
119 100
91 67.7 32.5 97.5
134 26.5 13.2 39.6

Manual Integrations
APPROVED

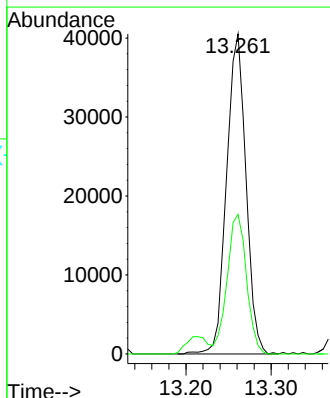
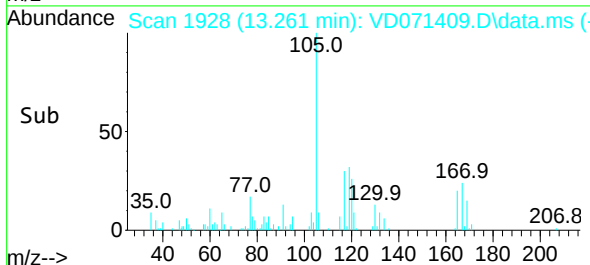
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

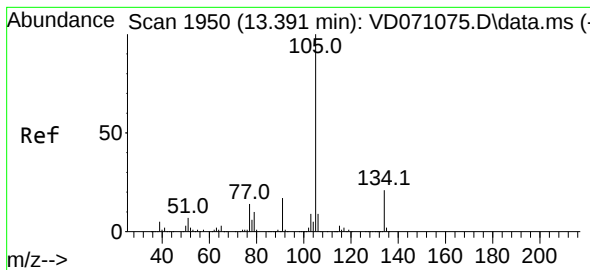


#84
1,2,4-Trimethylbenzene
Concen: 47.556 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25



Tgt Ion:105 Resp: 63997
Ion Ratio Lower Upper
105 100
120 43.5 22.9 68.7





#85

sec-Butylbenzene

Concen: 32.166 ug/l

RT: 13.391 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

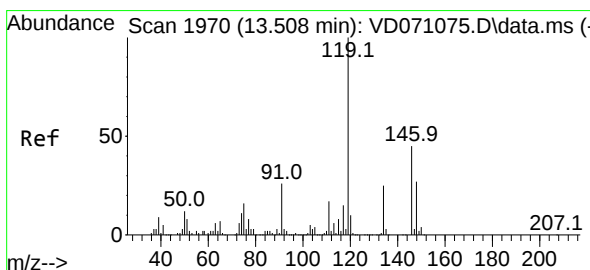
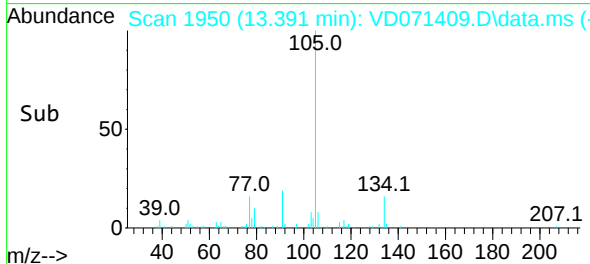
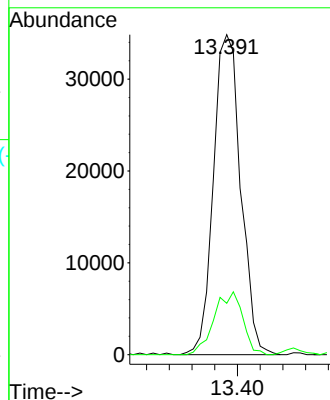
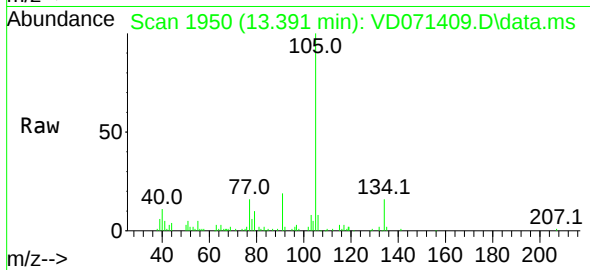
POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion:105 Resp: 58150
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021



#86

p-Isopropyltoluene

Concen: 33.088 ug/l

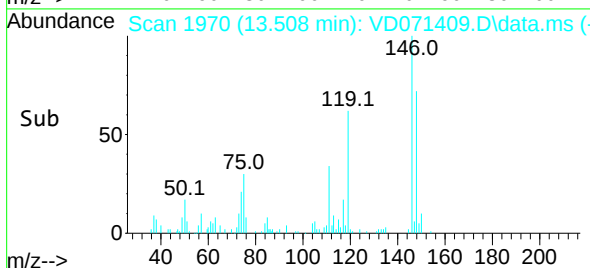
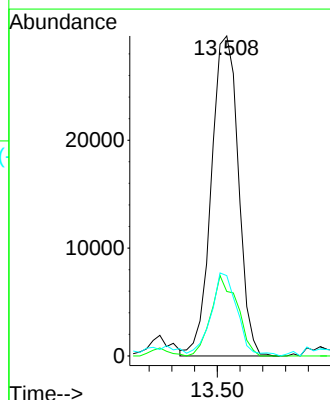
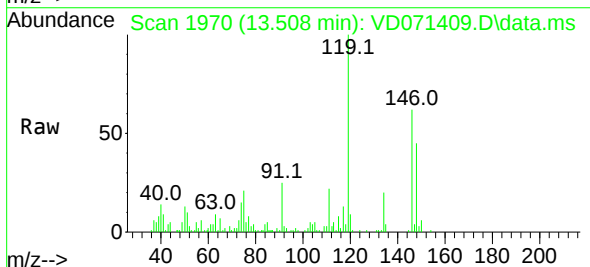
RT: 13.508 min Scan# 1970

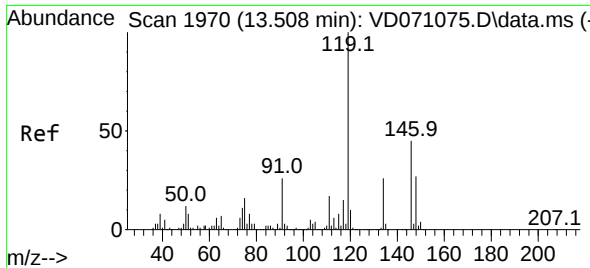
Delta R.T. 0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

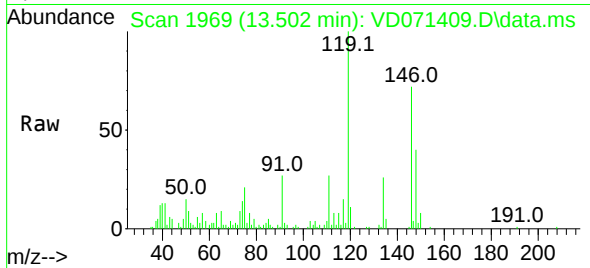
Tgt Ion:119 Resp: 48930
 Ion Ratio Lower Upper
 119 100
 134 24.4 13.0 38.9
 91 25.2 11.4 34.2





#87
 1,3-Dichlorobenzene
 Concen: 44.282 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD071409.D
 Acq: 21 Dec 2021 14:25

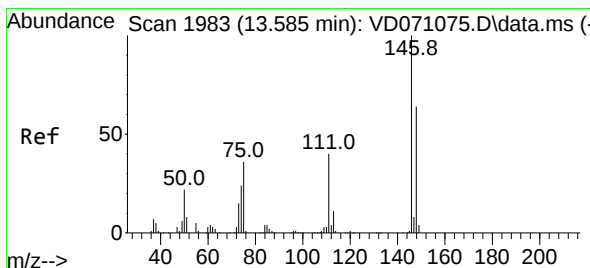
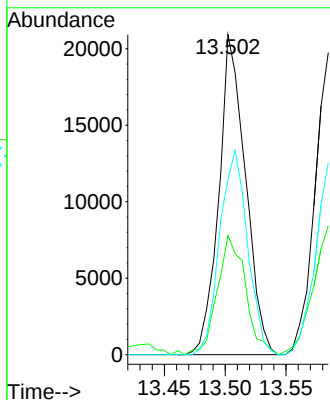
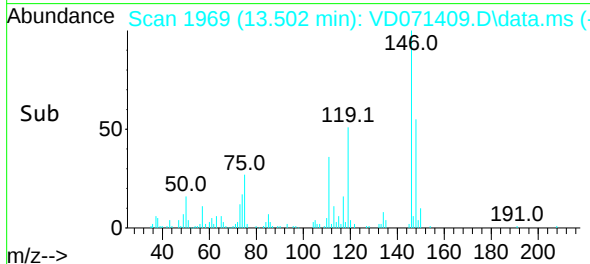
Instrument :
 MSVOA_D
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMS



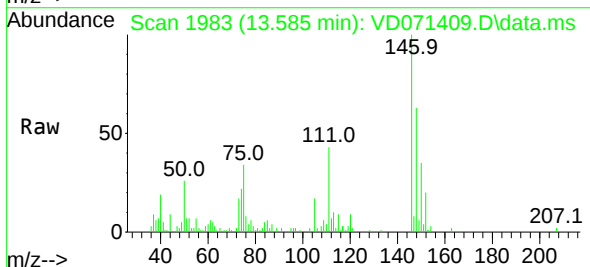
Tgt Ion:146 Resp: 3191
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.8 59.4
 148 66.6 32.1 96.3

Manual Integrations
 APPROVED

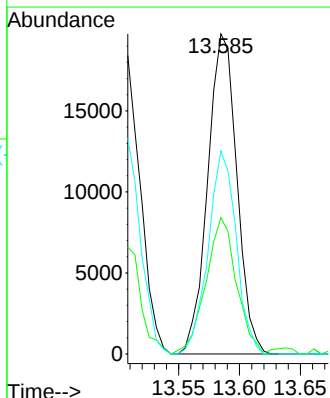
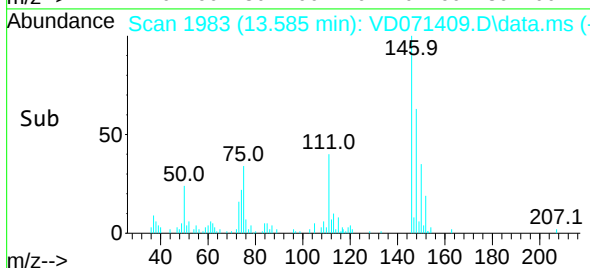
Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

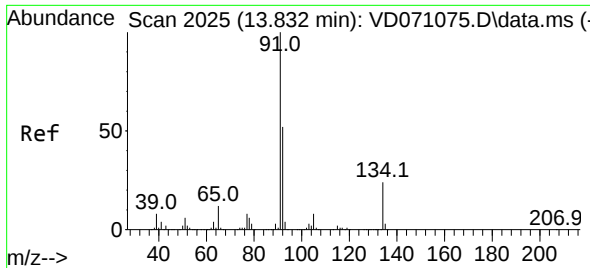


#88
 1,4-Dichlorobenzene
 Concen: 46.138 ug/l
 RT: 13.585 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VD071409.D
 Acq: 21 Dec 2021 14:25



Tgt Ion:146 Resp: 32945
 Ion Ratio Lower Upper
 146 100
 111 44.6 19.6 58.8
 148 60.9 31.5 94.5





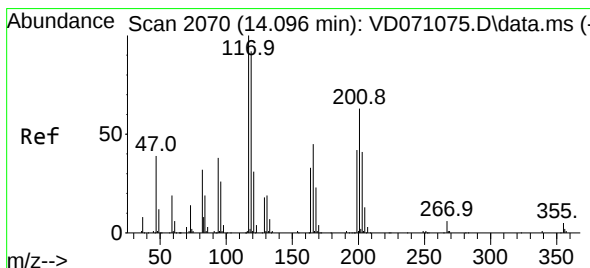
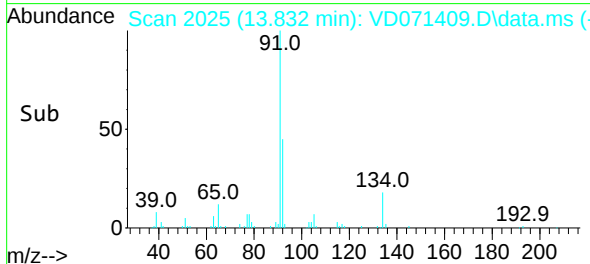
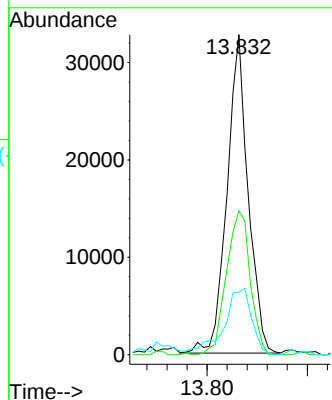
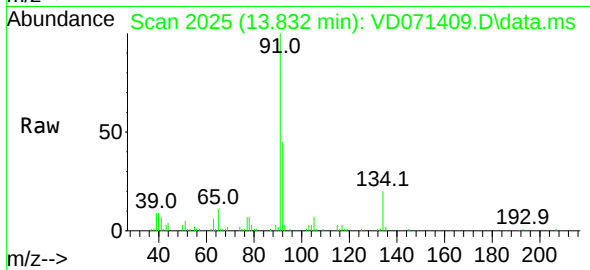
#89
n-Butylbenzene
Concen: 33.048 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS

Tgt Ion: 91 Resp: 4770
Ion Ratio Lower Upper
91 100
92 50.8 27.3 81.9
134 27.6 12.3 36.9

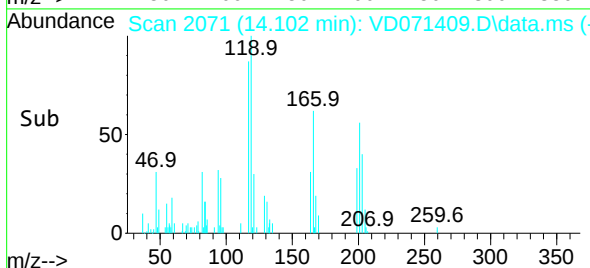
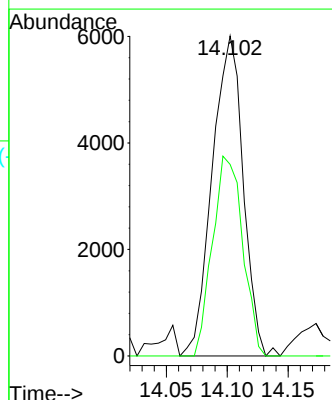
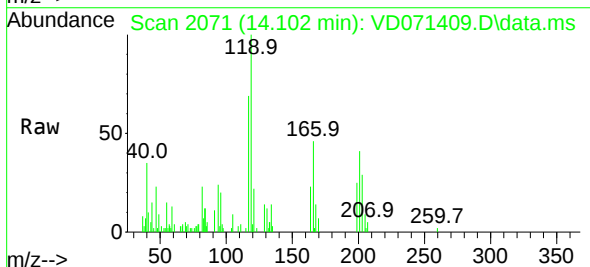
Manual Integrations
APPROVED

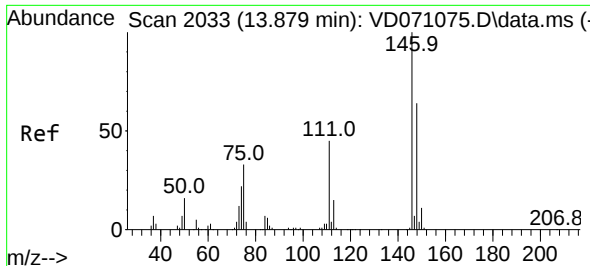
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#90
Hexachloroethane
Concen: 37.992 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

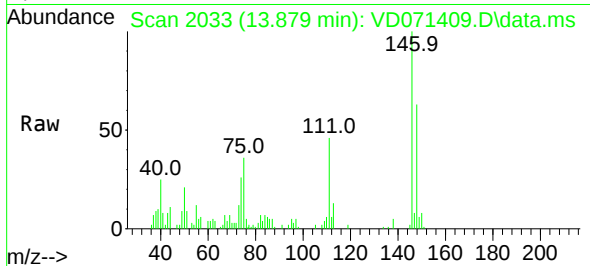
Tgt Ion:117 Resp: 10650
Ion Ratio Lower Upper
117 100
201 60.7 36.0 108.1





#91
1,2-Dichlorobenzene
Concen: 51.291 ug/l
RT: 13.879 min Scan# 2033
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

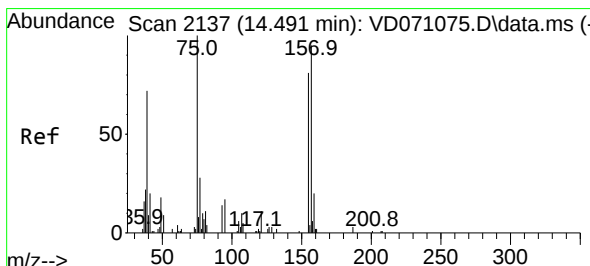
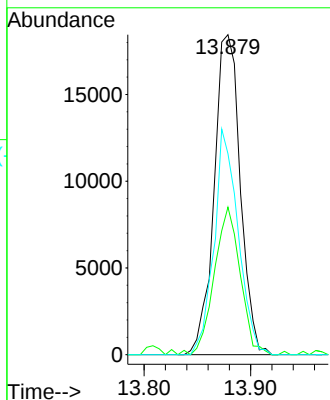
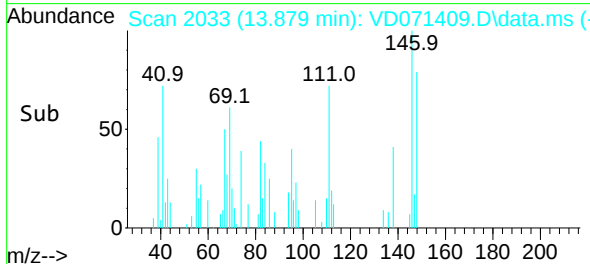
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion:146 Resp: 3143
Ion Ratio Lower Upper
146 100
111 45.6 20.8 62.2
148 65.1 31.7 95.1

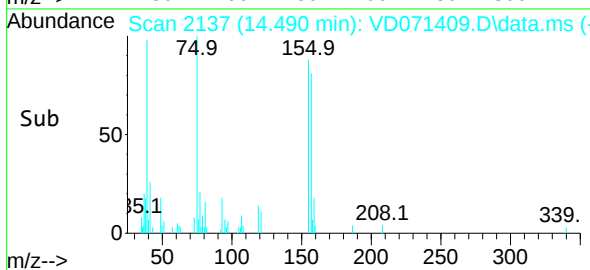
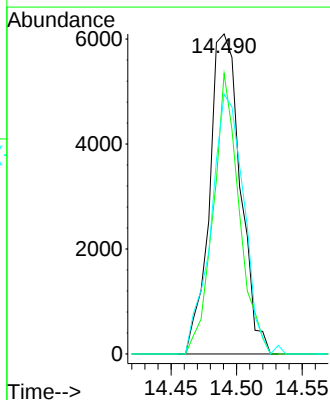
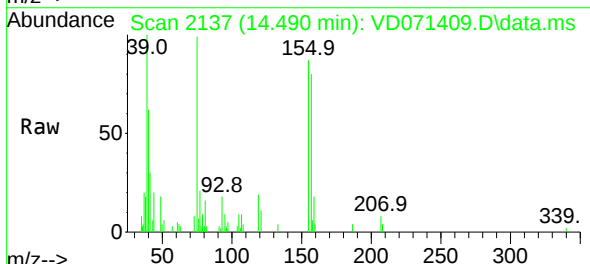
Manual Integrations
APPROVED

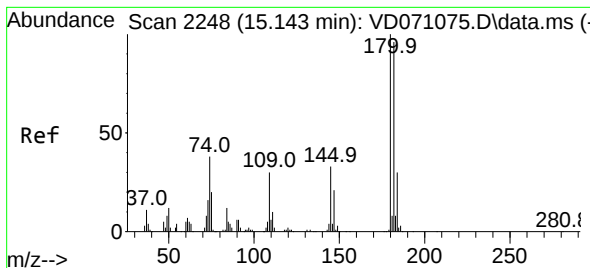
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#92
1,2-Dibromo-3-Chloropropane
Concen: 223.656 ug/l
RT: 14.490 min Scan# 2137
Delta R.T. -0.001 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

Tgt Ion: 75 Resp: 10026
Ion Ratio Lower Upper
75 100
155 73.4 40.0 120.0
157 86.2 49.8 149.3





#93

1,2,4-Trichlorobenzene

Concen: 46.138 ug/l

RT: 15.143 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD071409.D

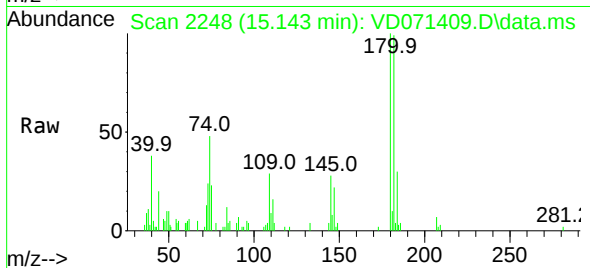
Acq: 21 Dec 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMS



Tgt Ion:180 Resp: 17639

Ion Ratio Lower Upper

180 100

182 97.4 48.2 144.6

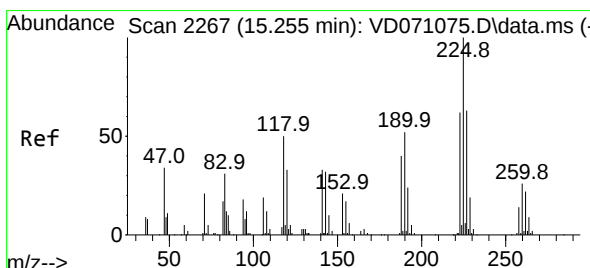
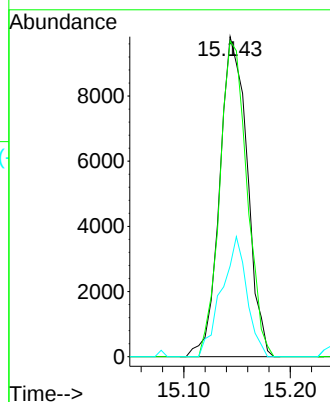
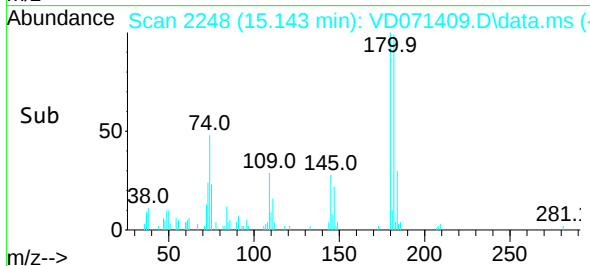
145 34.4 15.4 46.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#94

Hexachlorobutadiene

Concen: 29.138 ug/l

RT: 15.255 min Scan# 2267

Delta R.T. 0.000 min

Lab File: VD071409.D

Acq: 21 Dec 2021 14:25

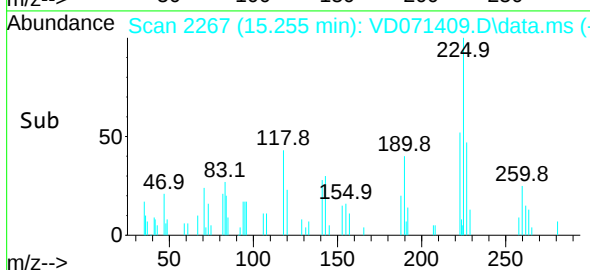
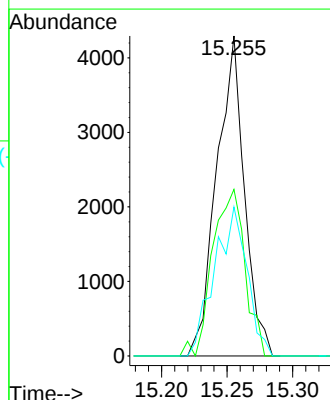
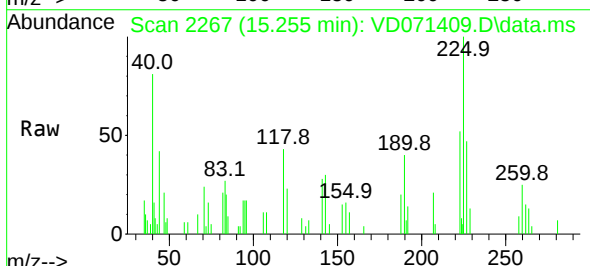
Tgt Ion:225 Resp: 6303

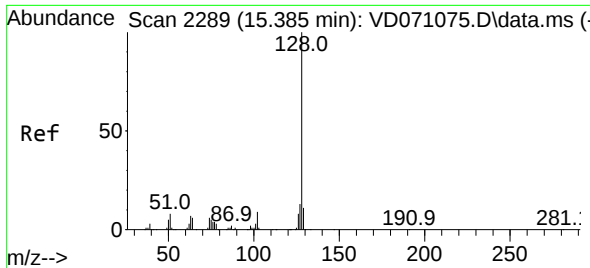
Ion Ratio Lower Upper

225 100

223 60.6 31.8 95.3

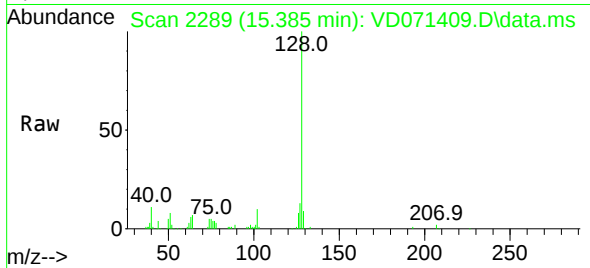
227 54.7 31.6 94.8





#95
Naphthalene
Concen: 114.444 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25

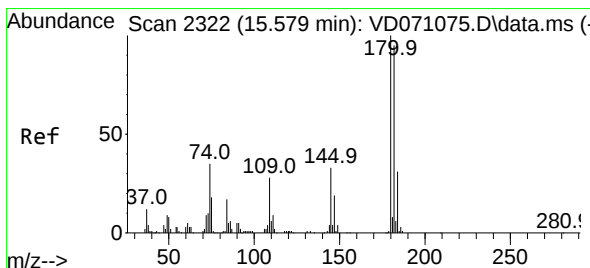
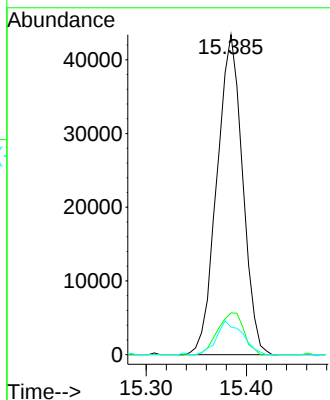
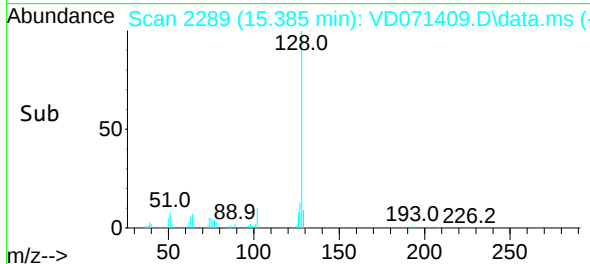
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMS



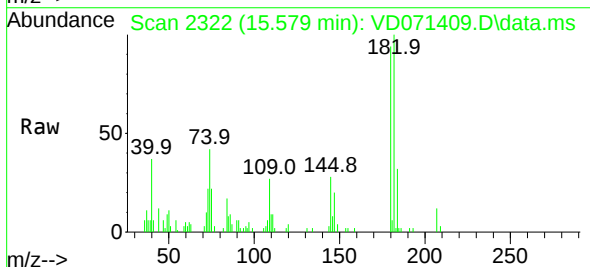
Tgt Ion:128 Resp: 77130
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.6 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#96
1,2,3-Trichlorobenzene
Concen: 56.345 ug/l
RT: 15.579 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VD071409.D
Acq: 21 Dec 2021 14:25



Tgt Ion:180 Resp: 18296
Ion Ratio Lower Upper
180 100
182 94.2 46.7 140.1
145 33.7 15.9 47.6

