

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071410.D
 Acq On : 21 Dec 2021 14:52
 Operator : VA/SY
 Sample : M5179-04MSD
 Misc : 8.98G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Dec 21 19:07:34 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	7.985	168	11897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	22138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	24749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	15628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	16972	121.578	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 243.160%#			
35) Dibromofluoromethane	7.914	113	9664	68.552	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 137.100%			
50) Toluene-d8	10.332	98	29837	55.617	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.240%			
62) 4-Bromofluorobenzene	12.620	95	18262	98.203	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 196.400%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	3567	35.159	ug/l	98
3) Chloromethane	2.209	50	6206	46.238	ug/l #	76
4) Vinyl Chloride	2.356	62	7294	48.710	ug/l #	80
5) Bromomethane	2.773	94	7500	69.479	ug/l	86
6) Chloroethane	2.926	64	6414	62.276	ug/l #	77
7) Trichlorofluoromethane	3.279	101	9586	47.256	ug/l #	83
8) Diethyl Ether	3.720	74	6746	122.670	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.120	101	5956	49.766	ug/l #	19
10) Methyl Iodide	4.297	142	4395	33.269	ug/l #	86
11) Tert butyl alcohol	5.209	59	19297	1574.509	ug/l #	91
12) 1,1-Dichloroethene	4.073	96	5077	45.969	ug/l	96
13) Acrolein	3.926	56	14591	1529.513	ug/l	92
14) Allyl chloride	4.720	41	12359	58.914	ug/l #	83
15) Acrylonitrile	5.420	53	62805	2348.299	ug/l	94
16) Acetone	4.162	43	84532	2030.319	ug/l #	84
17) Carbon Disulfide	4.409	76	12997	40.193	ug/l #	92
18) Methyl Acetate	4.715	43	45250	439.330	ug/l #	78
19) Methyl tert-butyl Ether	5.485	73	41932	154.919	ug/l	93
20) Methylene Chloride	4.962	84	16150	120.538	ug/l #	81
21) trans-1,2-Dichloroethene	5.473	96	7319	58.870	ug/l	89
22) Diisopropyl ether	6.367	45	36672	87.251	ug/l #	78
23) Vinyl Acetate	6.303	43	135261	557.530	ug/l	95
24) 1,1-Dichloroethane	6.262	63	16536	68.401	ug/l	97
25) 2-Butanone	7.209	43	99035	2079.182	ug/l #	87
26) 2,2-Dichloropropane	7.214	77	11734	53.378	ug/l #	33
27) cis-1,2-Dichloroethene	7.209	96	108580	771.980	ug/l	95
28) Bromochloromethane	7.550	49	10677	101.684	ug/l #	92
29) Tetrahydrofuran	7.556	42	55146	2487.784	ug/l	97
30) Chloroform	7.709	83	17644	72.723	ug/l	91
31) Cyclohexane	7.985	56	8687	36.584	ug/l #	91
32) 1,1,1-Trichloroethane	7.920	97	13568	62.288	ug/l	91
36) 1,1-Dichloropropene	8.108	75	9424	45.547	ug/l	98
37) Ethyl Acetate	7.291	43	27931	312.508	ug/l	98
38) Carbon Tetrachloride	8.085	117	8231	40.356	ug/l #	90
39) Methylcyclohexane	9.350	83	8264	33.207	ug/l	94
40) Benzene	8.350	78	30680	54.589	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	19925m	215.379	ug/l	
42) 1,2-Dichloroethane	8.426	62	18258	106.427	ug/l	99
43) Isopropyl Acetate	8.456	43	46786	218.271	ug/l #	81
44) Trichloroethene	9.114	130	27834	185.746	ug/l	99
45) 1,2-Dichloropropane	9.385	63	10889	73.673	ug/l #	88
46) Dibromomethane	9.473	93	9657	125.936	ug/l	88
47) Bromodichloromethane	9.661	83	16534	81.531	ug/l #	92
48) Methyl methacrylate	9.450	41	20659	236.140	ug/l #	81
49) 1,4-Dioxane	9.461	88	8801	11889.742	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	159788	1421.711	ug/l	91
52) Toluene	10.397	92	20080	56.310	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	18835	101.018	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	17885	80.754	ug/l #	72
55) 1,1,2-Trichloroethane	10.797	97	14449	143.634	ug/l	94
56) Ethyl methacrylate	10.661	69	23193	147.000	ug/l #	69
57) 1,3-Dichloropropane	10.944	76	22000	124.493	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	57214	835.810	ug/l	98
59) 2-Hexanone	10.979	43	127465	1480.926	ug/l	89
60) Dibromochloromethane	11.138	129	14238	113.881	ug/l	97
61) 1,2-Dibromoethane	11.244	107	14386	148.904	ug/l	98
64) Tetrachloroethene	10.873	164	254060	1616.995	ug/l	97
65) Chlorobenzene	11.667	112	23808	51.847	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.738	131	10412	62.100	ug/l	96
67) Ethyl Benzene	11.738	91	38755	44.832	ug/l	99
68) m/p-Xylenes	11.849	106	27600	84.569	ug/l	92
69) o-Xylene	12.173	106	16810	54.802	ug/l	96
70) Styrene	12.191	104	29879	57.797	ug/l	97
71) Bromoform	12.349	173	12132	139.672	ug/l #	97
73) Isopropylbenzene	12.473	105	52104	46.045	ug/l	98
74) N-amyl acetate	12.273	43	53793	159.533	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.720	83	30335	162.785	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	23346m	156.793	ug/l	
77) Bromobenzene	12.755	156	11473	46.809	ug/l #	53
78) n-propylbenzene	12.814	91	96480	68.464	ug/l	99
79) 2-Chlorotoluene	12.896	91	38522	48.705	ug/l	85
80) 1,3,5-Trimethylbenzene	12.949	105	115267	123.527	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.520	75	8026	117.291	ug/l #	15
82) 4-Chlorotoluene	12.996	91	32102	39.095	ug/l	98
83) tert-Butylbenzene	13.214	119	34989	43.661	ug/l	90
84) 1,2,4-Trimethylbenzene	13.255	105	337032	369.948	ug/l	98
85) sec-Butylbenzene	13.391	105	80007	65.366	ug/l #	76
86) p-Isopropyltoluene	13.508	119	61130	61.063	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	20497	42.010	ug/l	92
88) 1,4-Dichlorobenzene	13.585	146	22814	47.195	ug/l	93
89) n-Butylbenzene	13.832	91	73216	74.920	ug/l #	75
90) Hexachloroethane	14.102	117	12079	63.650	ug/l #	52
91) 1,2-Dichlorobenzene	13.879	146	20859	50.272	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	14.496	75	7560	249.116	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	12404	47.926	ug/l #	85
94) Hexachlorobutadiene	15.255	225	2456	16.771	ug/l	95
95) Naphthalene	15.385	128	74658	163.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	13439	61.135	ug/l	94

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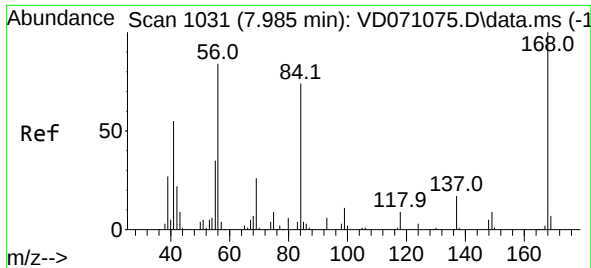
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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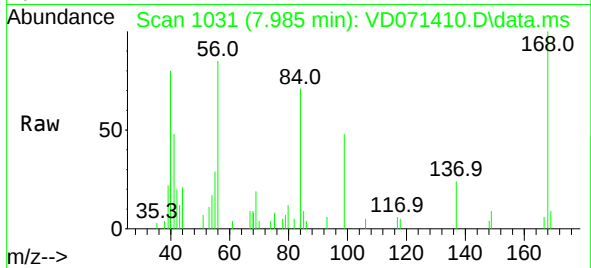
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071410.D
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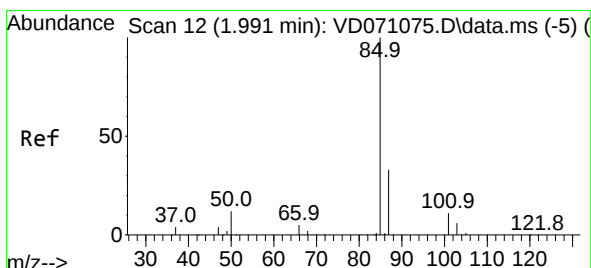
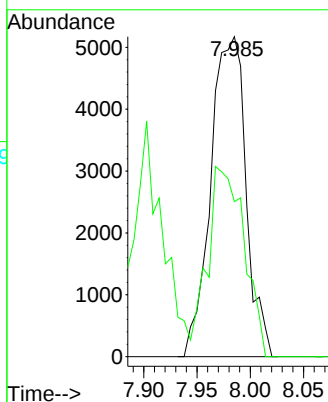
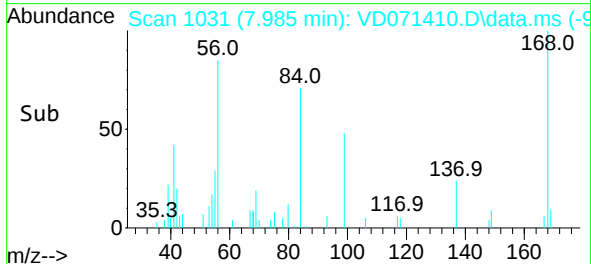
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



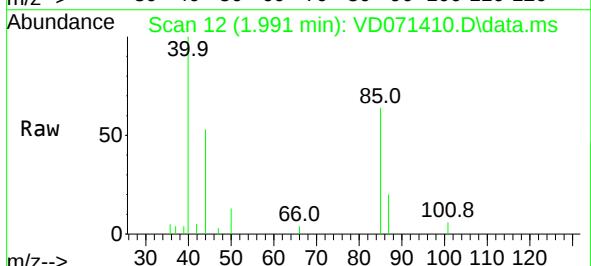
Tgt Ion:168 Resp: 1189
Ion Ratio Lower Upper
168 100
99 48.5 46.6 69.8

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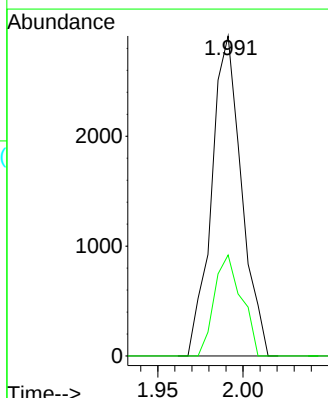
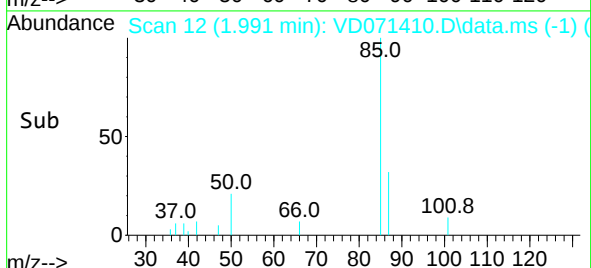
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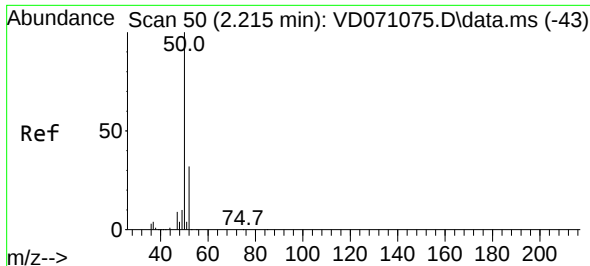


#2
Dichlorodifluoromethane
Concen: 35.159 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52



Tgt Ion: 85 Resp: 3567
Ion Ratio Lower Upper
85 100
87 31.6 15.2 45.6





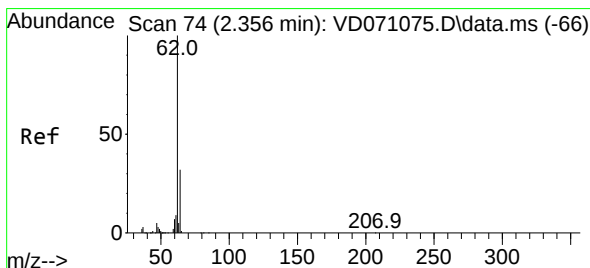
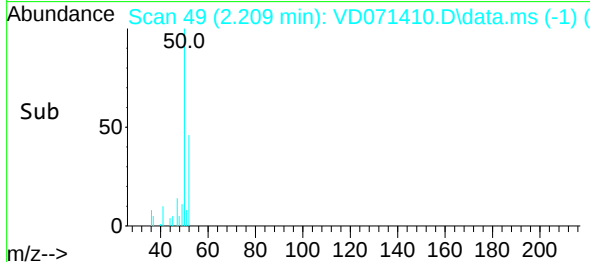
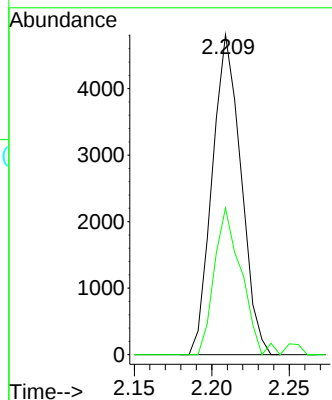
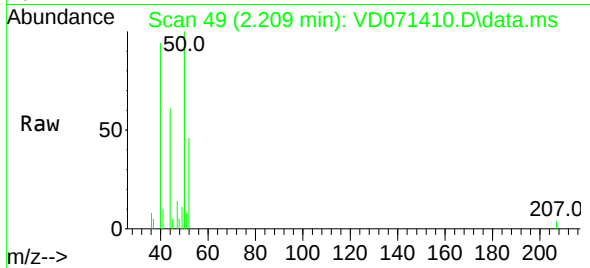
#3
Chloromethane
Concen: 46.238 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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Tgt Ion: 50 Resp: 6200
Ion Ratio Lower Upper
50 100
52 45.8 25.8 38.8

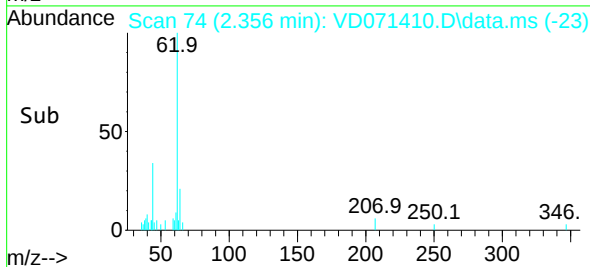
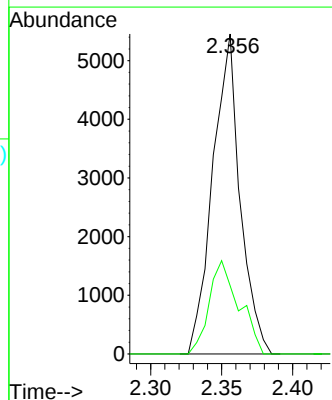
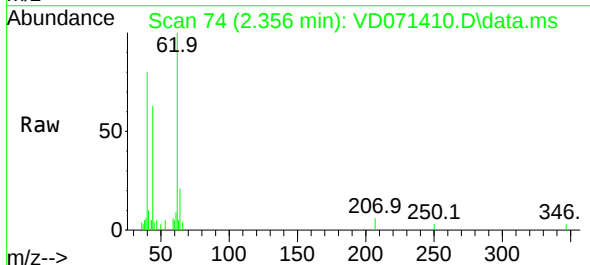
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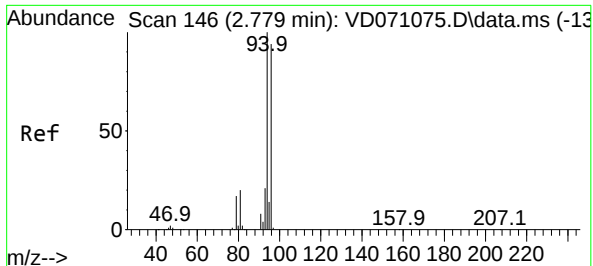
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#4
Vinyl Chloride
Concen: 48.710 ug/l
RT: 2.356 min Scan# 74
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

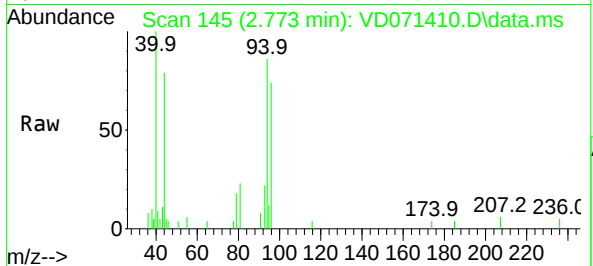
Tgt Ion: 62 Resp: 7294
Ion Ratio Lower Upper
62 100
64 21.4 26.0 39.0





#5
Bromomethane
Concen: 69.479 ug/l
RT: 2.773 min Scan# 146
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

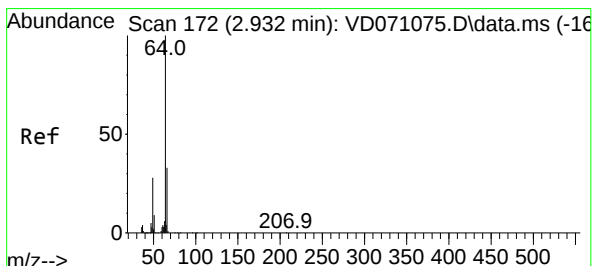
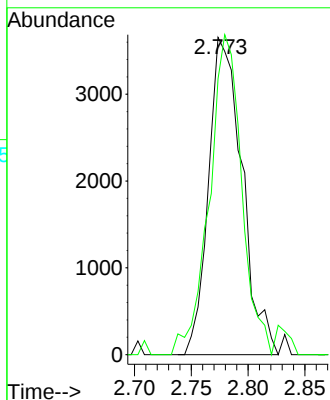
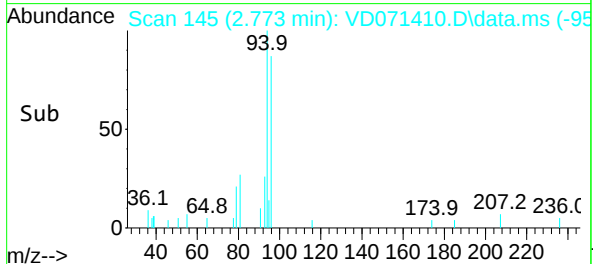
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 94 Resp: 7500
Ion Ratio Lower Upper
94 100
96 80.4 74.8 112.2

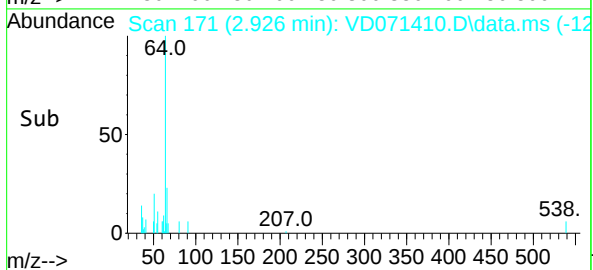
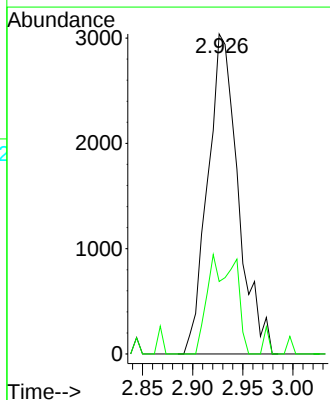
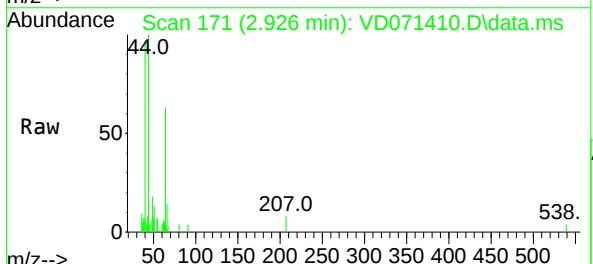
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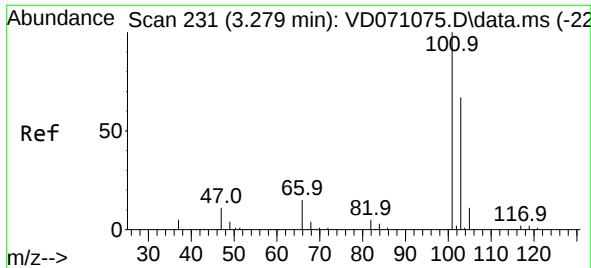
Reviewed By :Semsettin Yesilyurt 12/22/2021
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#6
Chloroethane
Concen: 62.276 ug/l
RT: 2.926 min Scan# 171
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

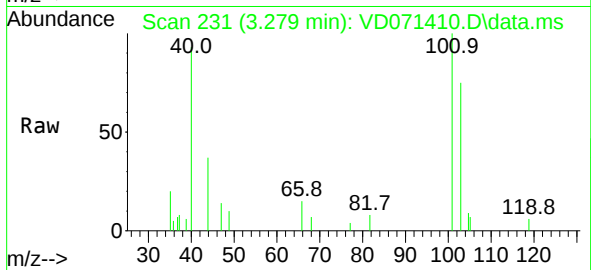
Tgt Ion: 64 Resp: 6414
Ion Ratio Lower Upper
64 100
66 22.7 29.0 43.4#





#7
Trichlorofluoromethane
Concen: 47.256 ug/l
RT: 3.279 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

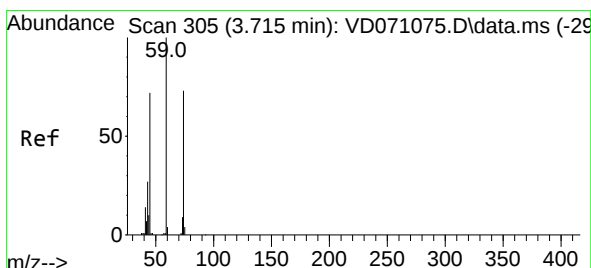
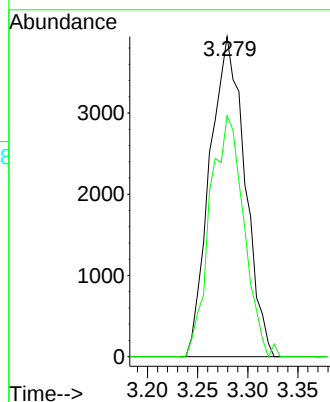
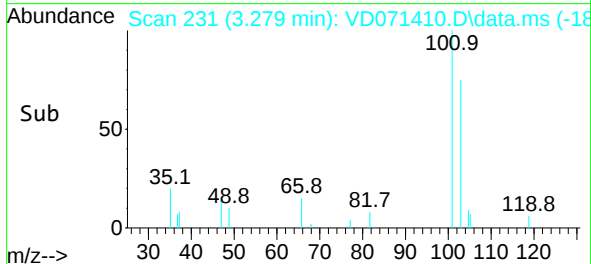
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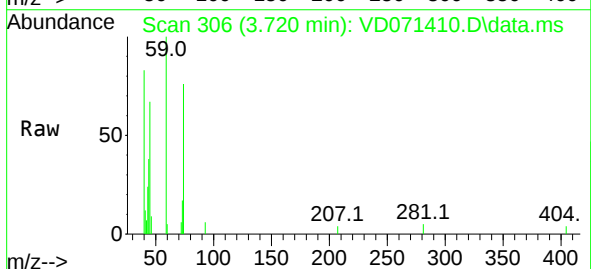
Tgt Ion:101 Resp: 9580
Ion Ratio Lower Upper
101 100
103 75.3 49.7 74.5

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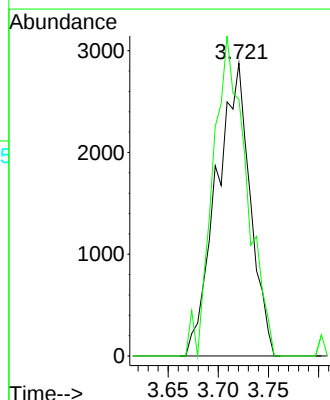
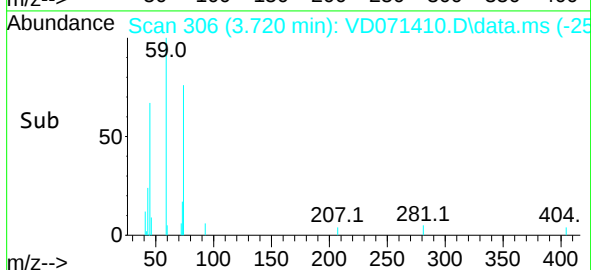
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#8
Diethyl Ether
Concen: 122.670 ug/l
RT: 3.720 min Scan# 306
Delta R.T. 0.006 min
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Acq: 21 Dec 2021 14:52



Tgt Ion: 74 Resp: 6746
Ion Ratio Lower Upper
74 100
45 108.6 49.6 149.0





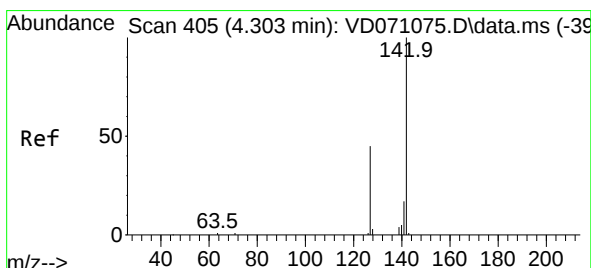
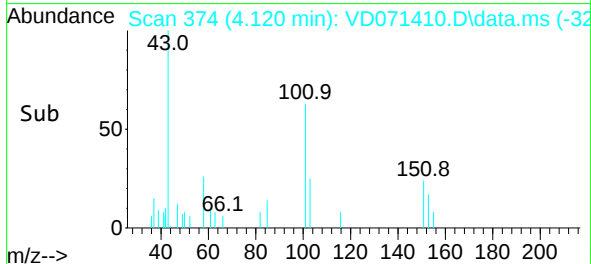
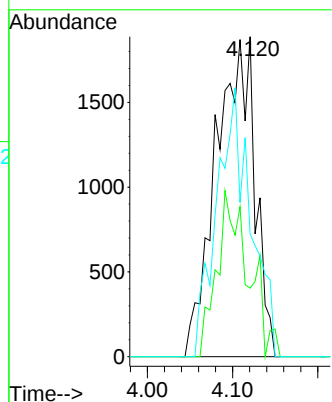
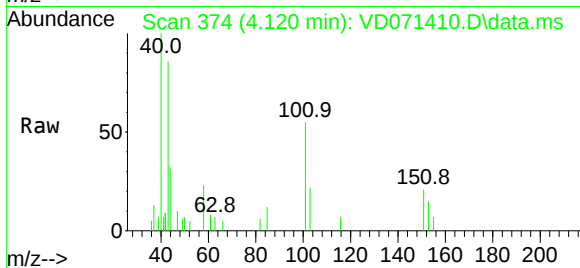
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.766 ug/l
RT: 4.120 min Scan# 31
Delta R.T. 0.017 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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

Tgt Ion:101 Resp: 5950
Ion Ratio Lower Upper
101 100
85 0.0 34.8 52.2
151 0.0 60.4 90.6

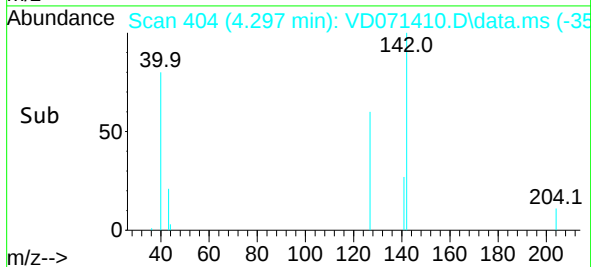
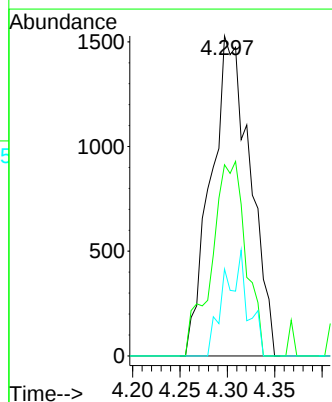
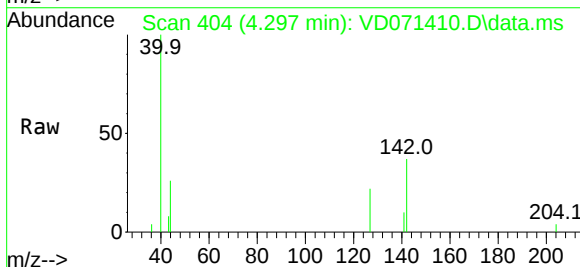
Manual Integrations
APPROVED

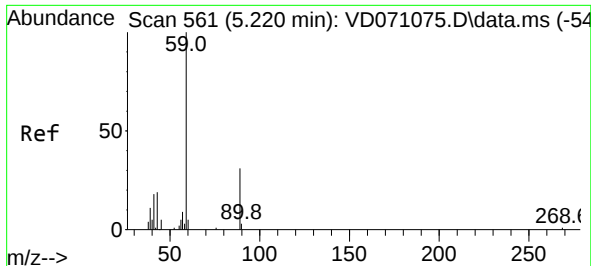
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#10
Methyl Iodide
Concen: 33.269 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

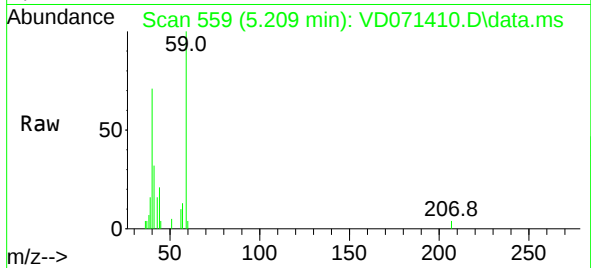
Tgt Ion:142 Resp: 4395
Ion Ratio Lower Upper
142 100
127 53.2 35.0 52.4#
141 19.7 12.0 18.0#





#11
Tert butyl alcohol
Concen: 1574.509 ug/l
RT: 5.209 min Scan# 51
Delta R.T. -0.011 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

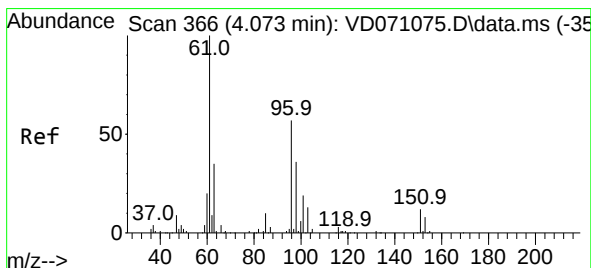
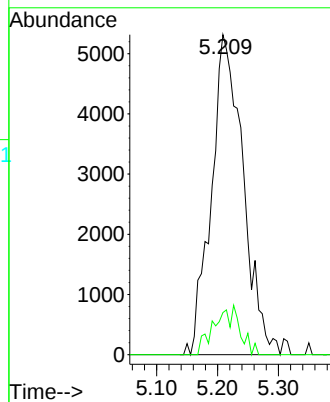
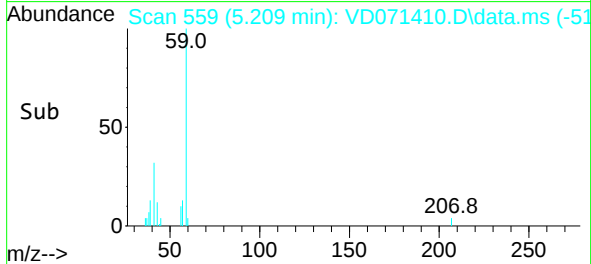
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 59 Resp: 1929
Ion Ratio Lower Upper
59 100
57 7.9 9.0 13.4

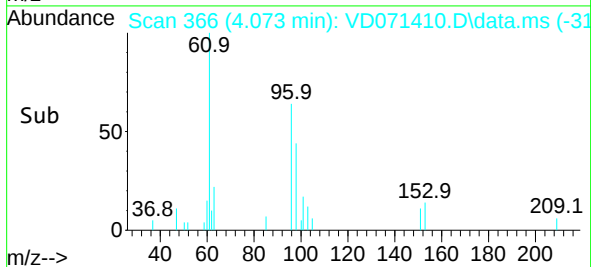
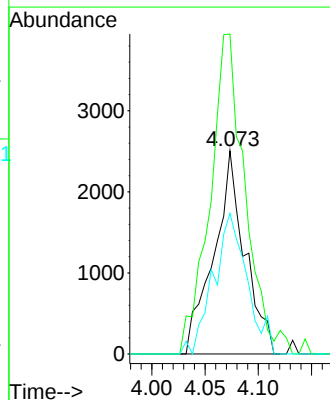
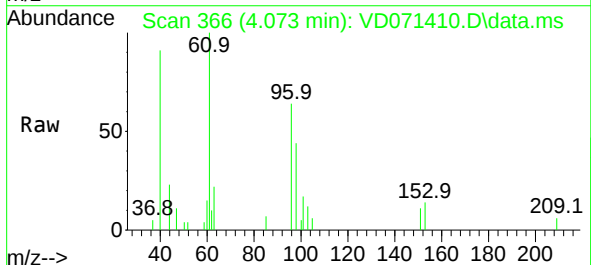
Manual Integrations
APPROVED

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



#12
1,1-Dichloroethene
Concen: 45.969 ug/l
RT: 4.073 min Scan# 366
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

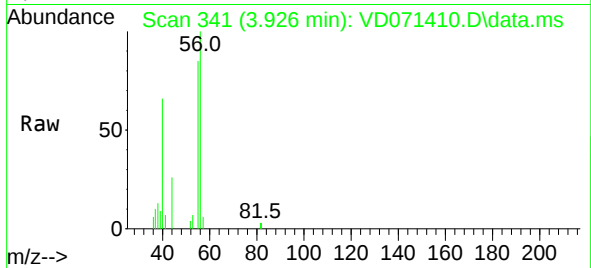
Tgt Ion: 96 Resp: 5077
Ion Ratio Lower Upper
96 100
61 157.5 120.3 180.5
98 69.2 54.4 81.6





#13
Acrolein
Concen: 1529.513 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

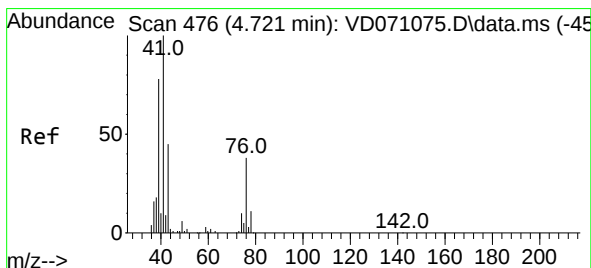
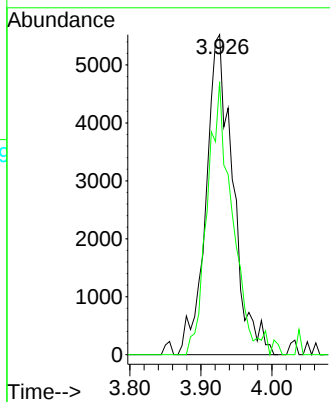
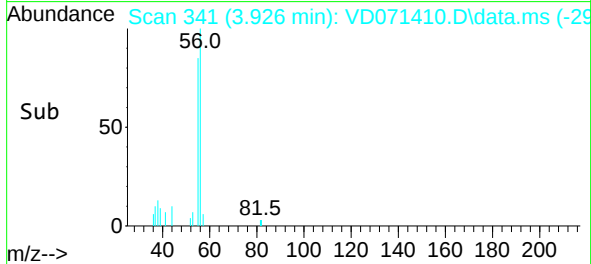
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 56 Resp: 1459
Ion Ratio Lower Upper
56 100
55 79.8 58.6 87.8

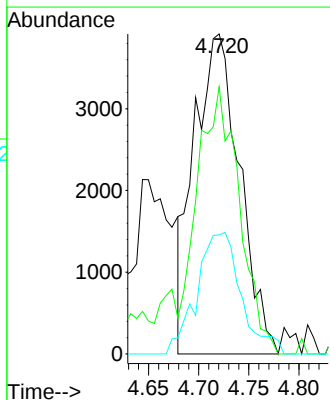
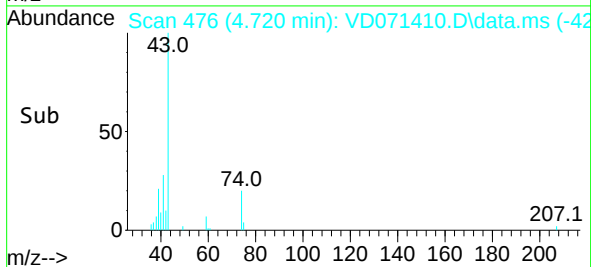
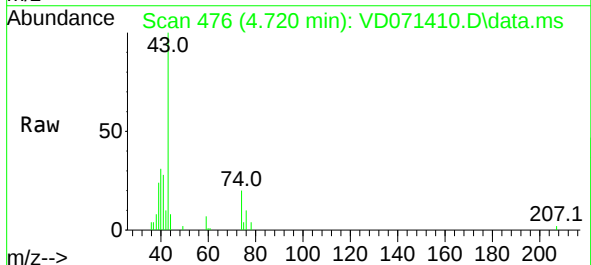
Manual Integrations
APPROVED

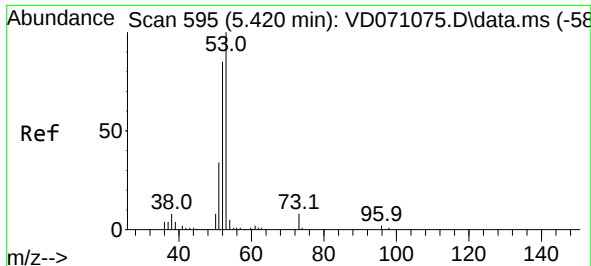
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#14
Allyl chloride
Concen: 58.914 ug/l
RT: 4.720 min Scan# 476
Delta R.T. -0.001 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

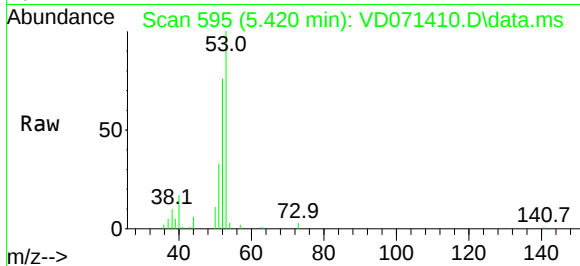
Tgt Ion: 41 Resp: 12359
Ion Ratio Lower Upper
41 100
39 77.3 45.6 68.4#
76 36.9 30.2 45.4





#15
Acrylonitrile
Concen: 2348.299 ug/l
RT: 5.420 min Scan# 595
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

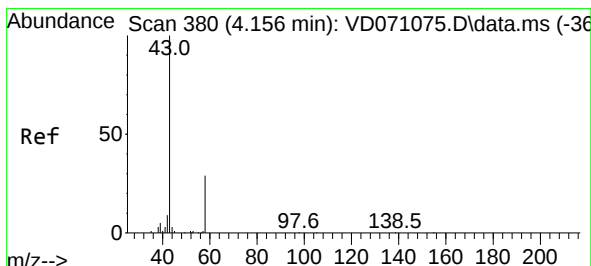
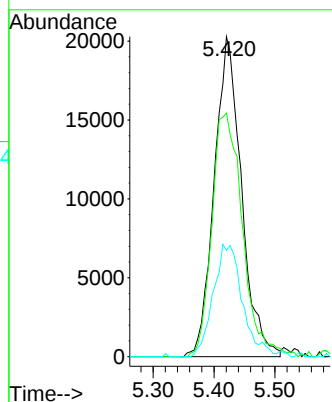
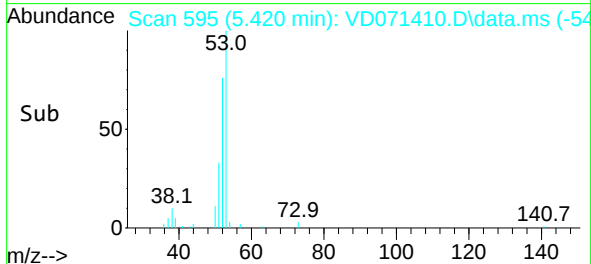
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMSD



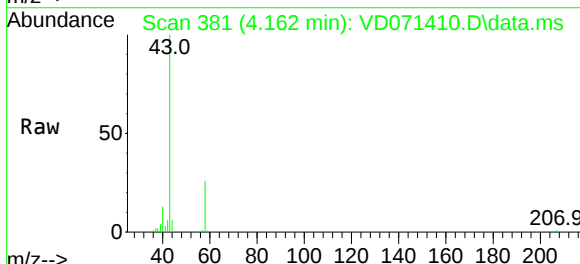
Tgt Ion: 53 Resp: 6280
Ion Ratio Lower Upper
53 100
52 85.8 63.8 95.8
51 37.6 28.5 42.7

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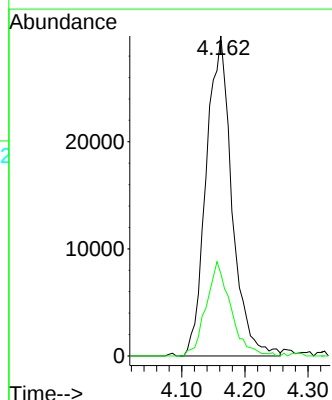
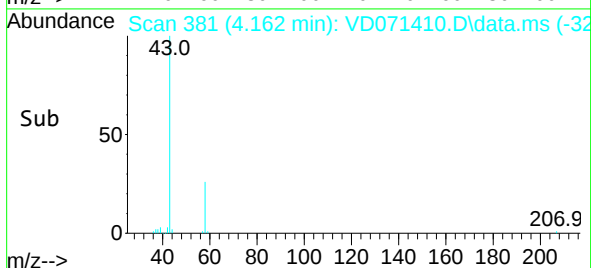
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

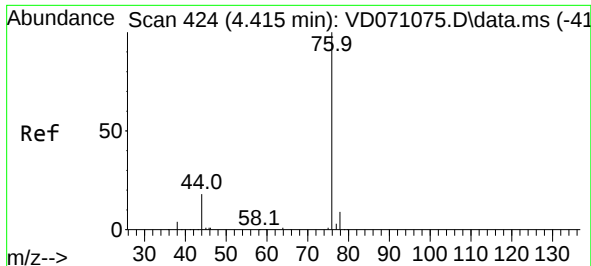


#16
Acetone
Concen: 2030.319 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52



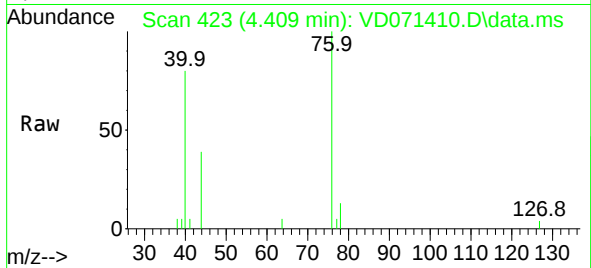
Tgt Ion: 43 Resp: 84532
Ion Ratio Lower Upper
43 100
58 25.7 27.8 41.8#





#17
Carbon Disulfide
Concen: 40.193 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

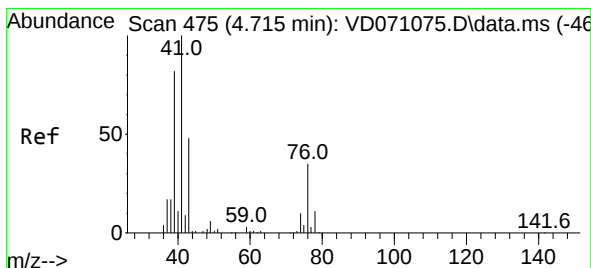
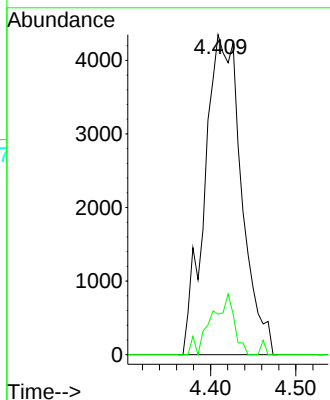
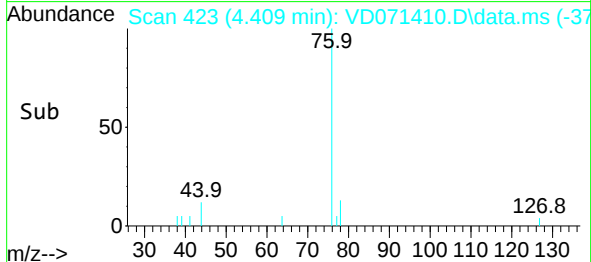
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 76 Resp: 1299
Ion Ratio Lower Upper
76 100
78 12.7 7.8 11.8

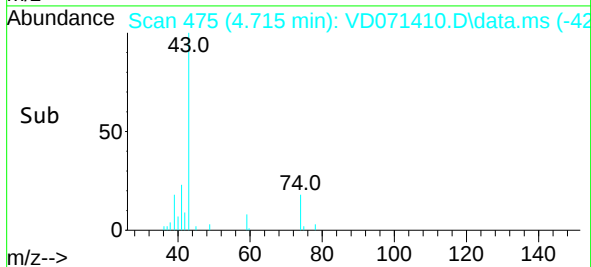
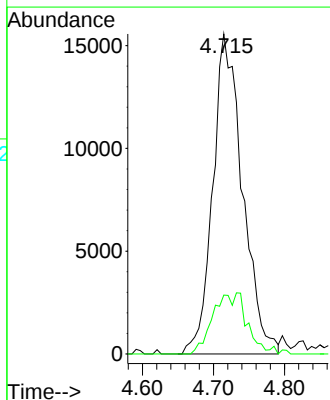
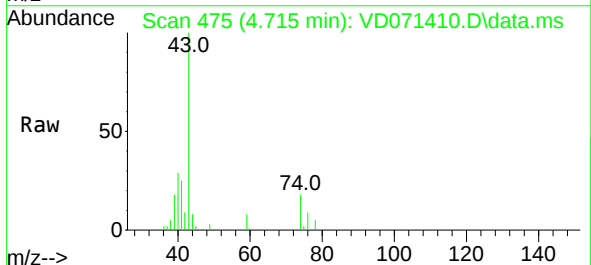
Manual Integrations
APPROVED

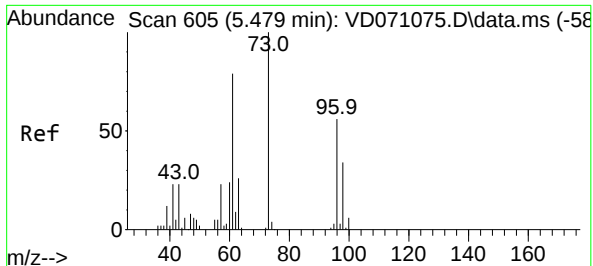
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#18
Methyl Acetate
Concen: 439.330 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

Tgt Ion: 43 Resp: 45250
Ion Ratio Lower Upper
43 100
74 13.1 19.3 28.9





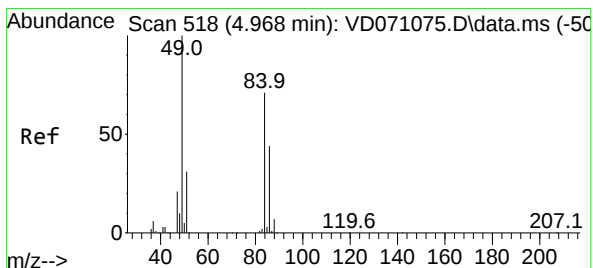
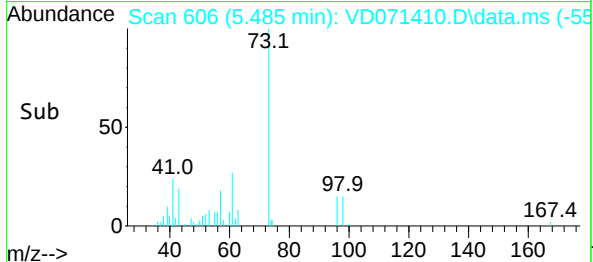
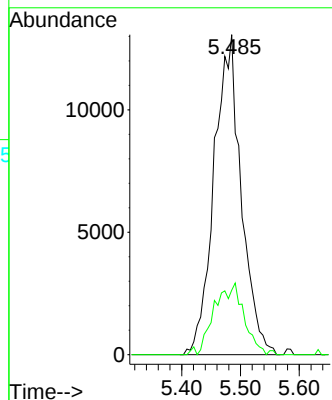
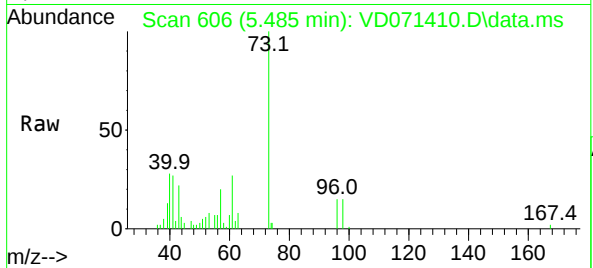
#19
Methyl tert-butyl Ether
Concen: 154.919 ug/l
RT: 5.485 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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

Tgt Ion: 73 Resp: 41932
Ion Ratio Lower Upper
73 100
57 20.1 18.9 28.3

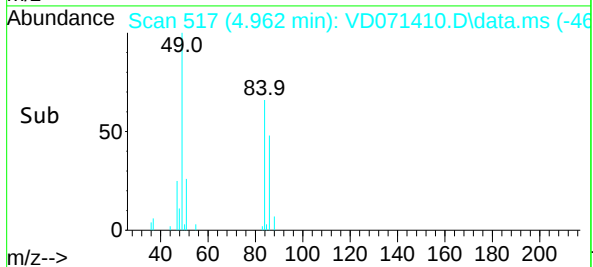
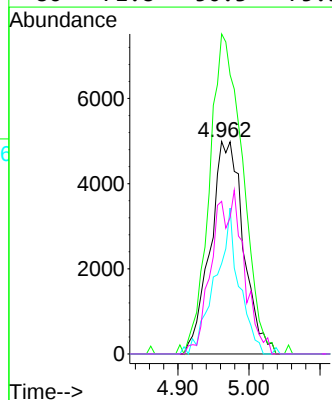
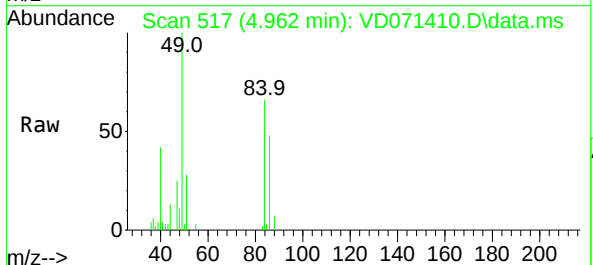
Manual Integrations
APPROVED

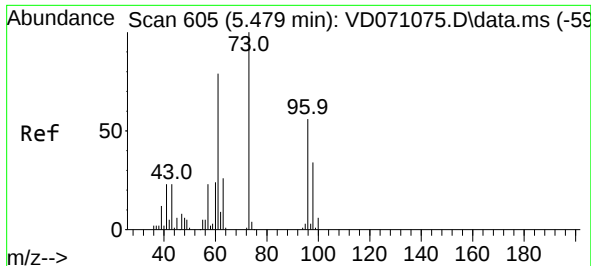
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#20
Methylene Chloride
Concen: 120.538 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

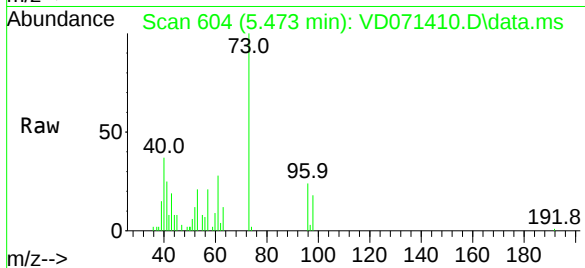
Tgt Ion: 84 Resp: 16150
Ion Ratio Lower Upper
84 100
49 150.6 95.8 143.6#
51 42.5 30.9 46.3
86 71.8 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 58.870 ug/l
RT: 5.473 min Scan# 605
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

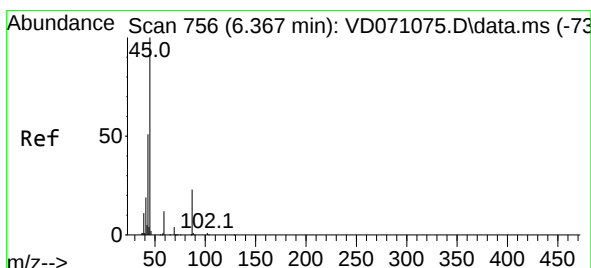
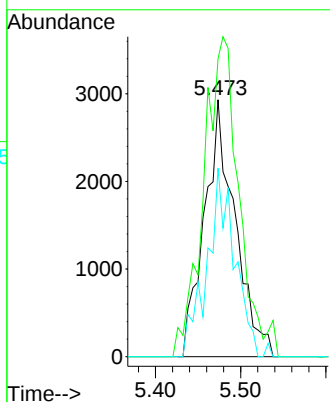
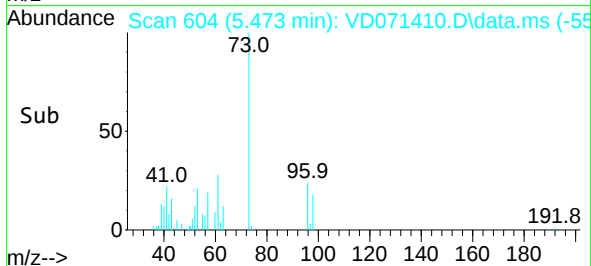
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 96 Resp: 7319
Ion Ratio Lower Upper
96 100
61 116.0 102.1 153.1
98 73.3 50.1 75.1

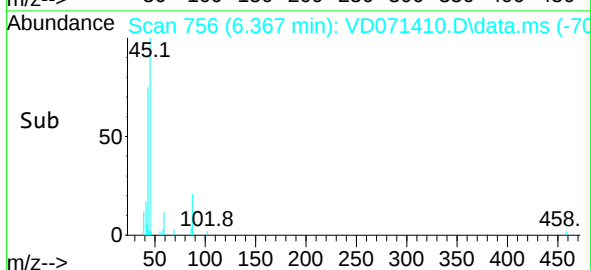
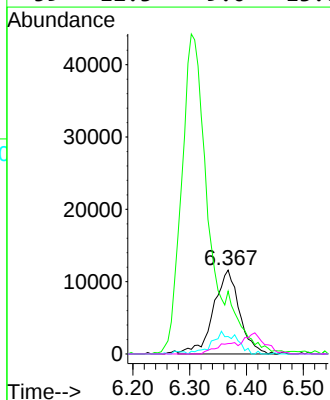
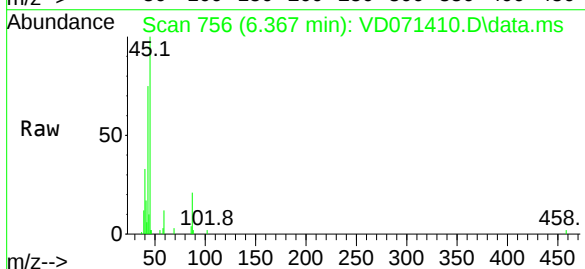
Manual Integrations
APPROVED

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



#22
Diisopropyl ether
Concen: 87.251 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

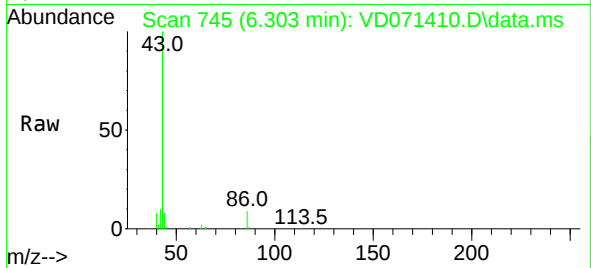
Tgt Ion: 45 Resp: 36672
Ion Ratio Lower Upper
45 100
43 71.3 39.6 59.4#
87 20.9 21.2 31.8#
59 12.3 9.0 13.6





#23
 Vinyl Acetate
 Concen: 557.530 ug/l
 RT: 6.303 min Scan# 746
 Delta R.T. -0.006 min
 Lab File: VD071410.D
 Acq: 21 Dec 2021 14:52

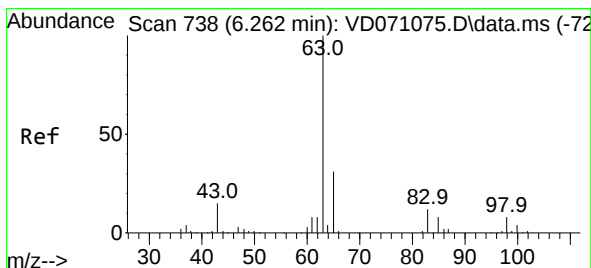
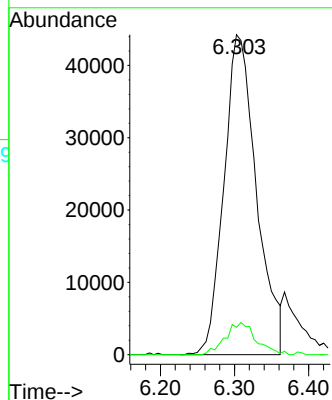
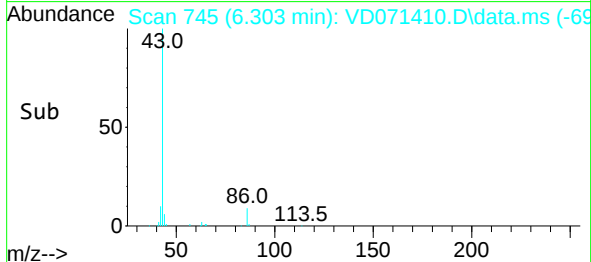
Instrument :
 MSVOA_D
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMSD



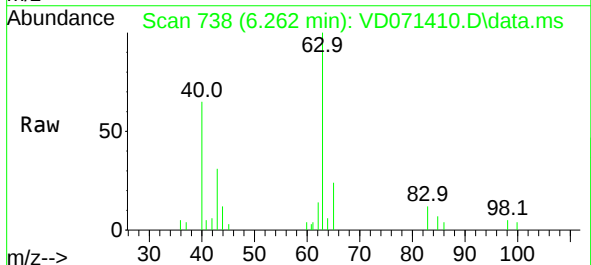
Tgt Ion: 43 Resp: 13526
 Ion Ratio Lower Upper
 43 100
 86 8.6 8.2 12.4

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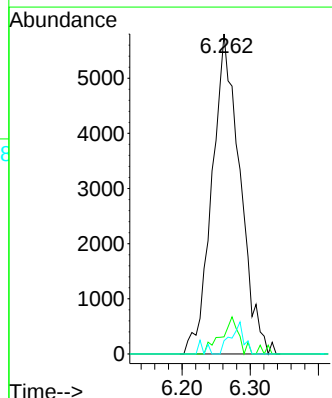
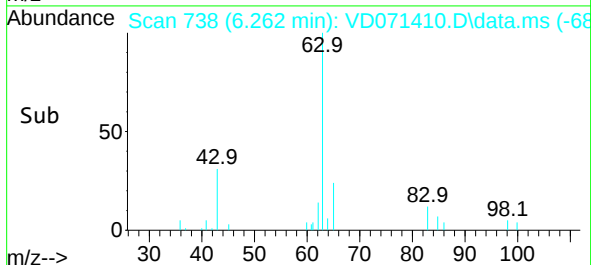
Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

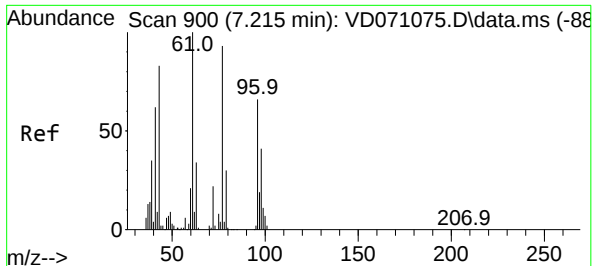


#24
 1,1-Dichloroethane
 Concen: 68.401 ug/l
 RT: 6.262 min Scan# 738
 Delta R.T. -0.000 min
 Lab File: VD071410.D
 Acq: 21 Dec 2021 14:52



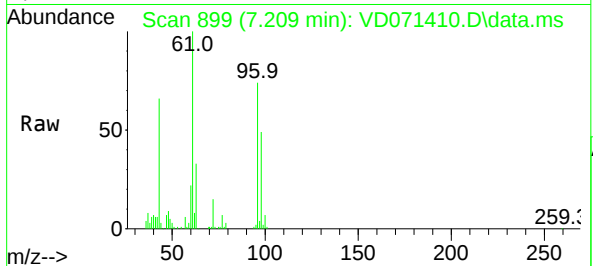
Tgt Ion: 63 Resp: 16536
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.5 10.6
 100 4.1 2.1 6.3





#25
2-Butanone
Concen: 2079.182 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

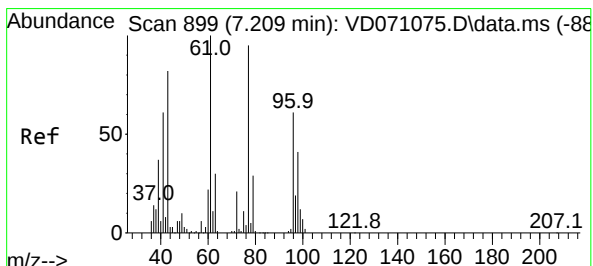
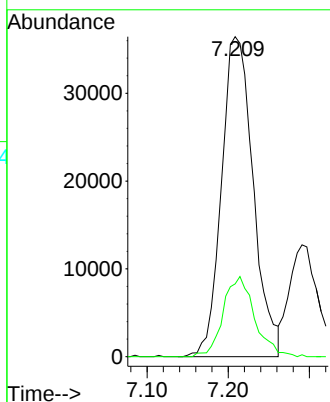
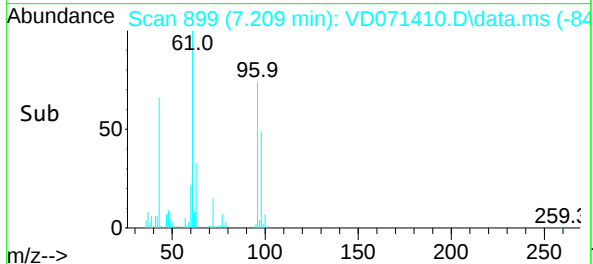
Instrument : MSVOA_D
Client Sample Id : POST-EXCAVATION-BOTTOM-EASTMSD



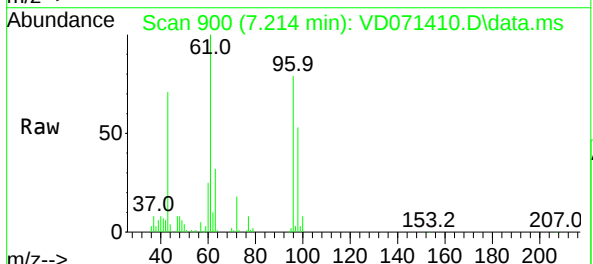
Tgt Ion: 43 Resp: 99035
Ion Ratio Lower Upper
43 100
72 22.8 23.8 35.6

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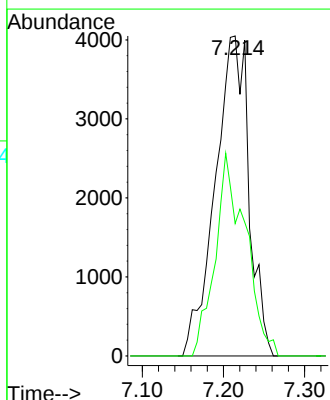
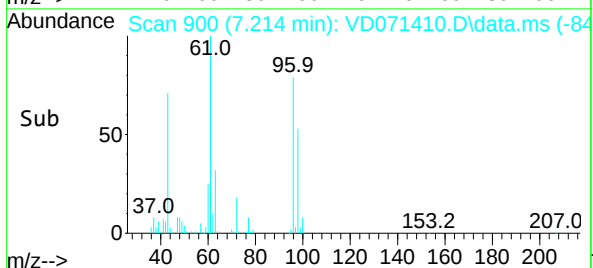
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

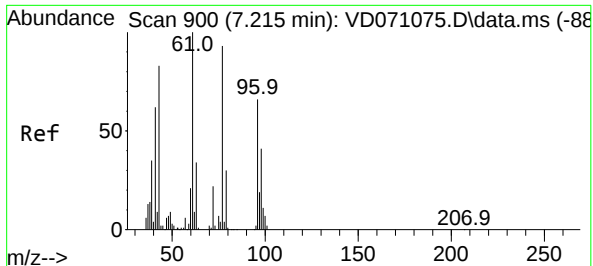


#26
2,2-Dichloropropane
Concen: 53.378 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52



Tgt Ion: 77 Resp: 11734
Ion Ratio Lower Upper
77 100
97 56.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 771.980 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD

Tgt Ion: 96 Resp: 108580

Ion Ratio Lower Upper

96 100

61 136.8 0.0 288.6

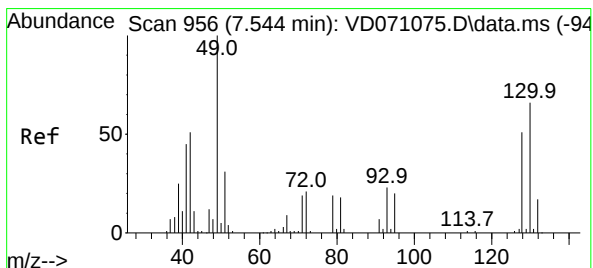
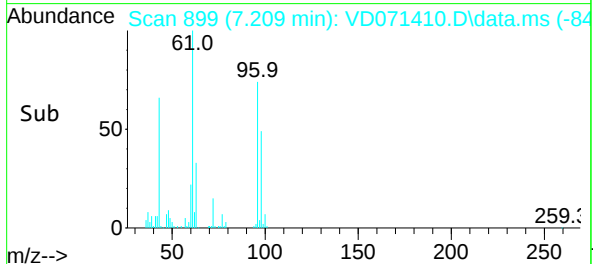
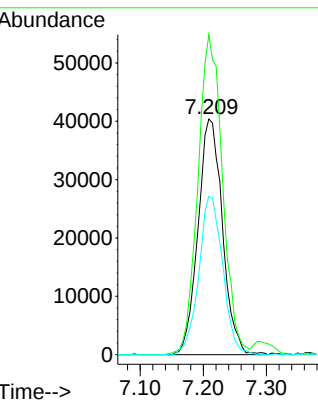
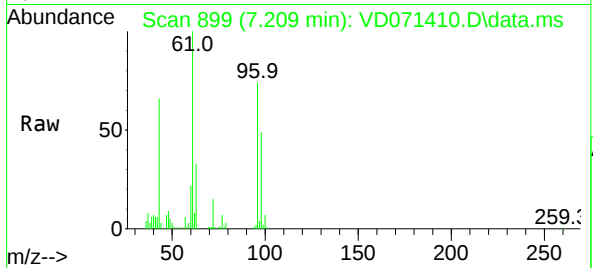
98 65.8 0.0 129.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#28

Bromochloromethane

Concen: 101.684 ug/l

RT: 7.550 min Scan# 957

Delta R.T. 0.006 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

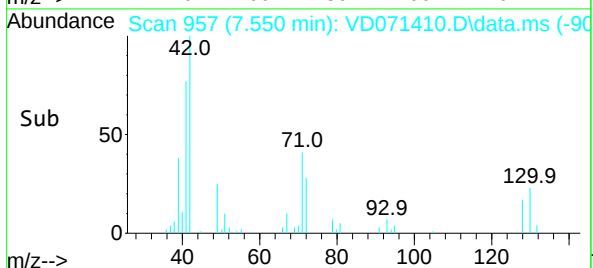
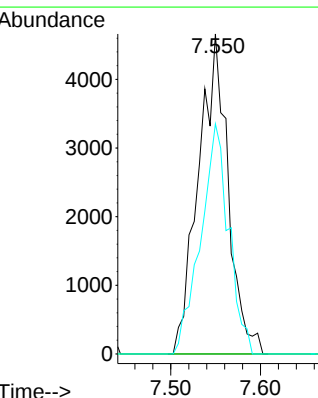
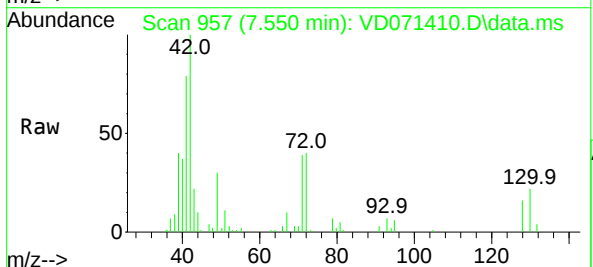
Tgt Ion: 49 Resp: 10677

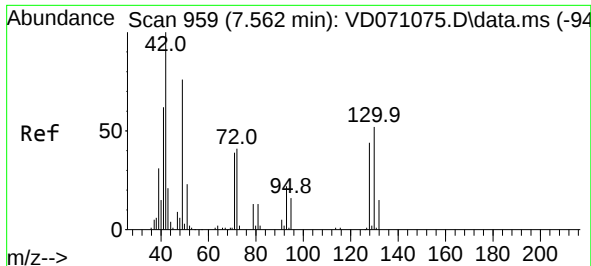
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 68.2 60.2 90.2





#29

Tetrahydrofuran

Concen: 2487.784 ug/l

RT: 7.556 min Scan# 958

Delta R.T. -0.006 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

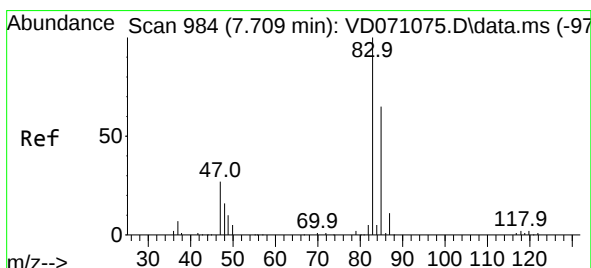
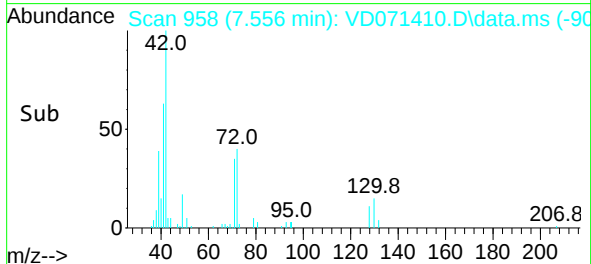
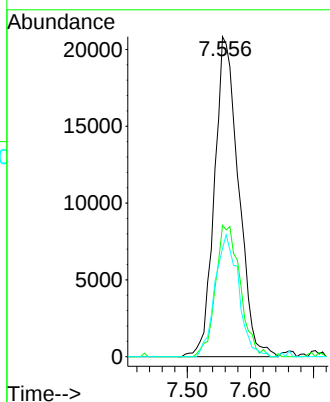
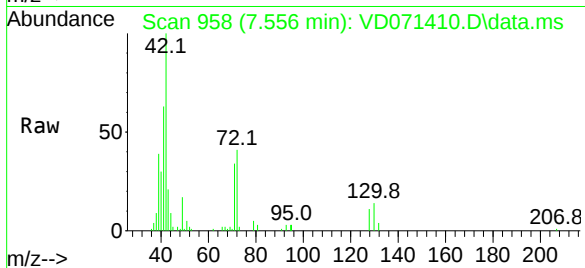
POST-EXCAVATION-BOTTOM-EASTMSD

Tgt Ion:	42	Resp:	5514
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	37.2	32.7	49.1

Manual Integrations

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



#30

Chloroform

Concen: 72.723 ug/l

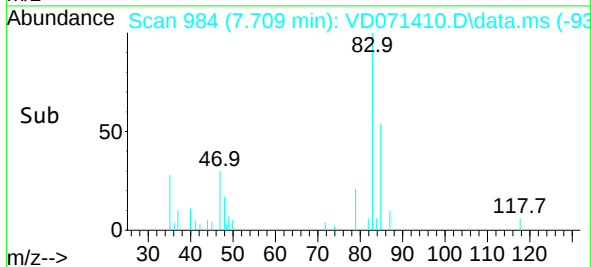
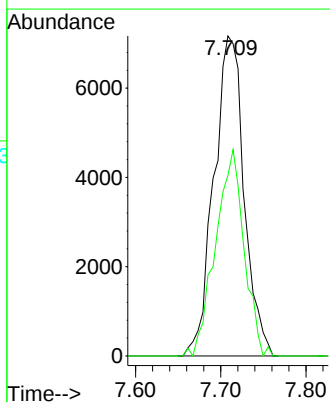
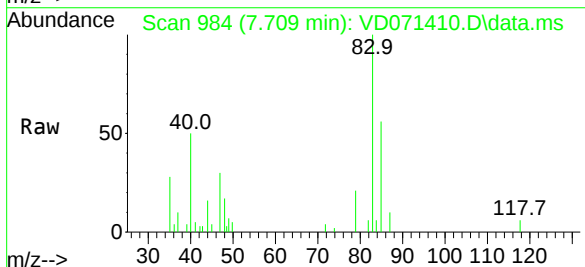
RT: 7.709 min Scan# 984

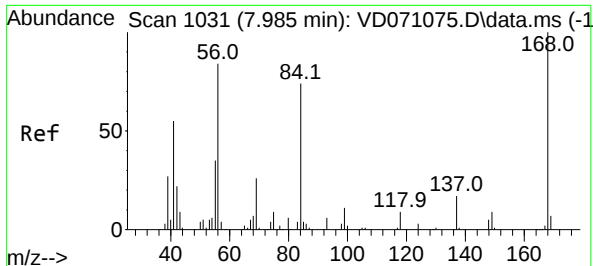
Delta R.T. -0.000 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

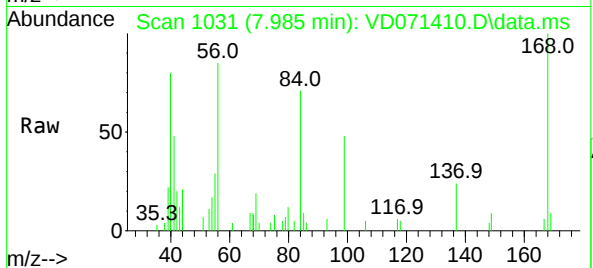
Tgt Ion:	83	Resp:	17644
Ion	Ratio	Lower	Upper
83	100		
85	56.5	51.0	76.6





#31
Cyclohexane
Concen: 36.584 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

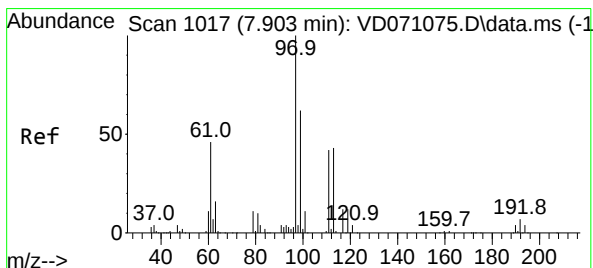
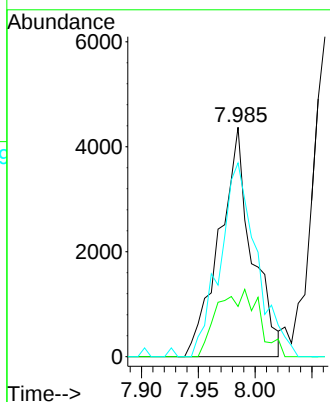
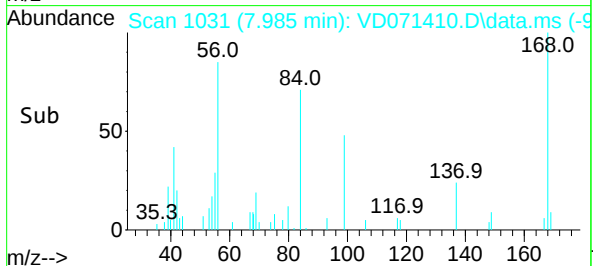
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



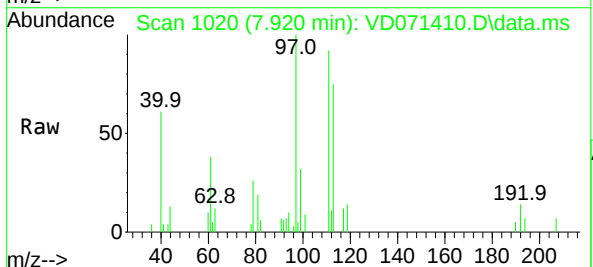
Tgt Ion: 56 Resp: 868
Ion Ratio Lower Upper
56 100
69 21.9 25.9 38.9
84 84.5 64.3 96.5

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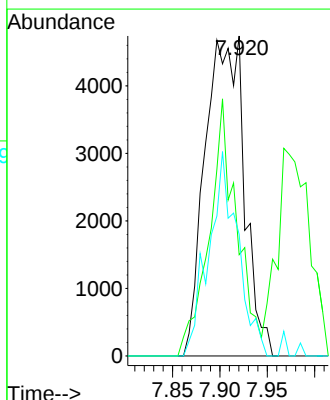
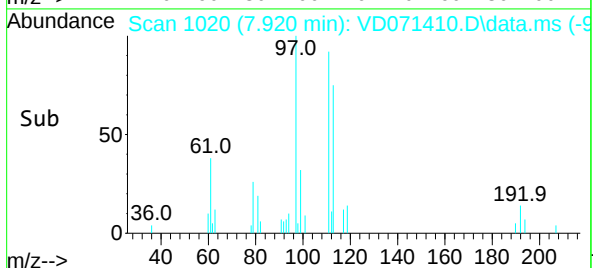
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

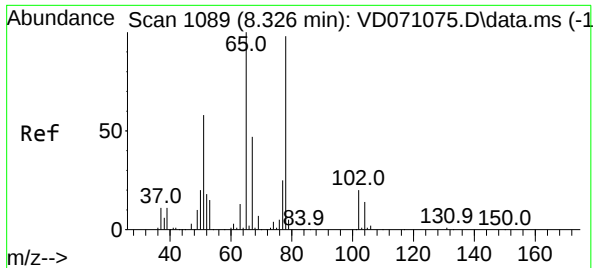


#32
1,1,1-Trichloroethane
Concen: 62.288 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.017 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52



Tgt Ion: 97 Resp: 13568
Ion Ratio Lower Upper
97 100
99 56.8 50.3 75.5
61 47.4 33.0 49.4





#33

1,2-Dichloroethane-d4

Concen: 121.578 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD

Tgt Ion: 65 Resp: 1697

Ion Ratio Lower Upper

65 100

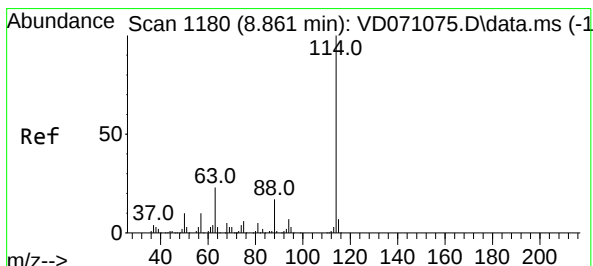
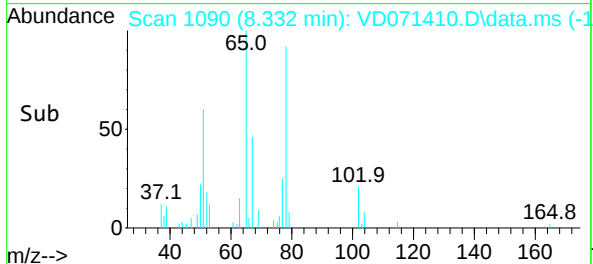
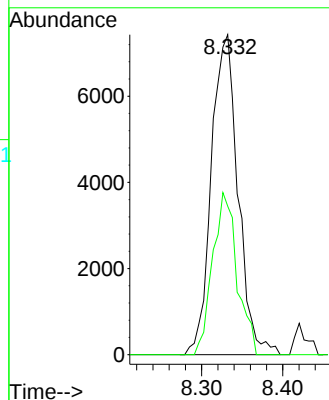
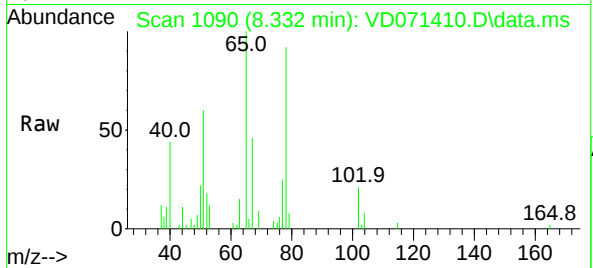
67 46.4 0.0 112.2

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: VD071410.D

Acq: 21 Dec 2021 14:52

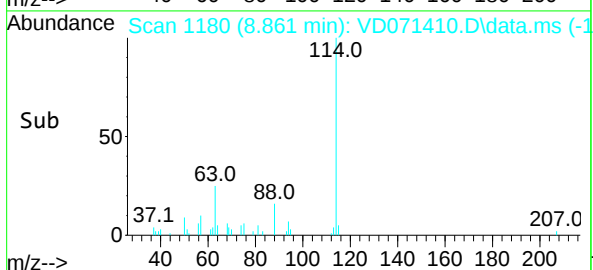
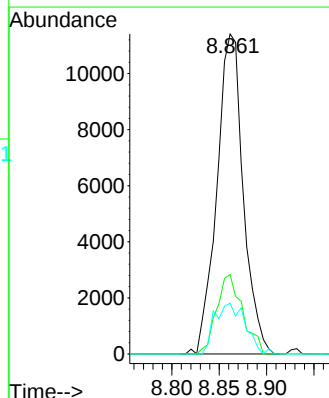
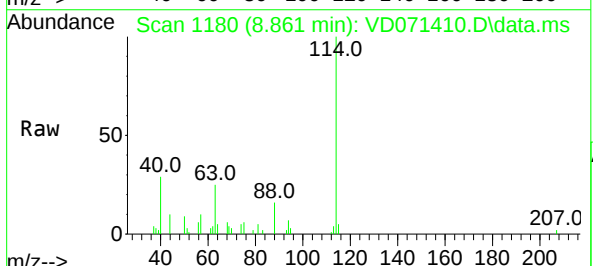
Tgt Ion:114 Resp: 22138

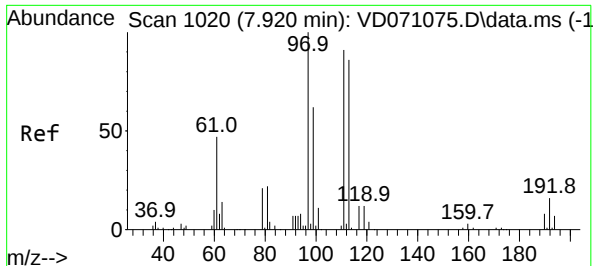
Ion Ratio Lower Upper

114 100

63 24.9 0.0 41.8

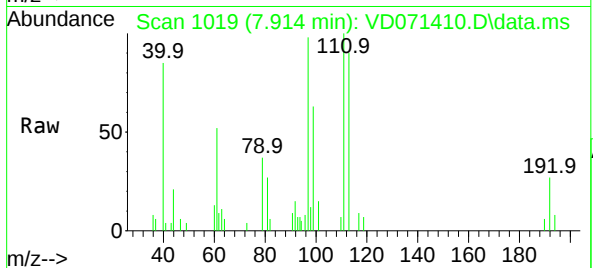
88 15.8 0.0 32.8





#35
Dibromofluoromethane
Concen: 68.552 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

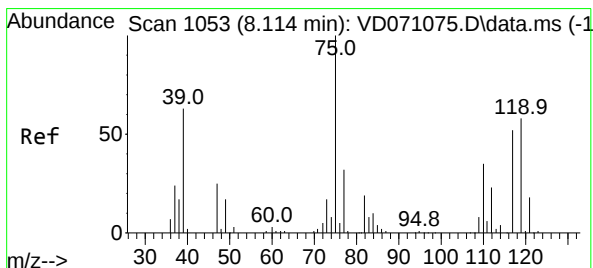
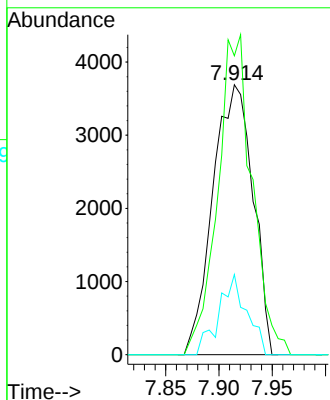
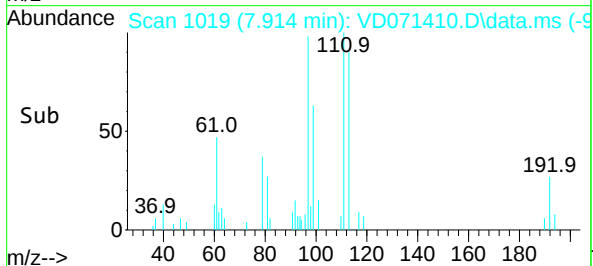
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



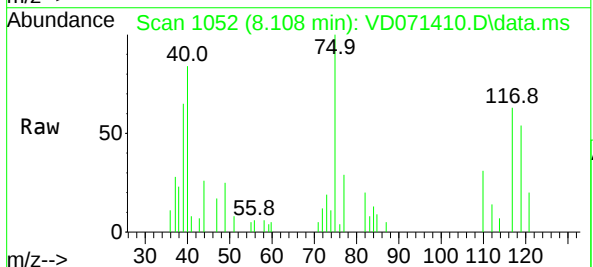
Tgt Ion: 113 Resp: 966
Ion Ratio Lower Upper
113 100
111 102.0 82.0 123.0
192 20.6 15.2 22.8

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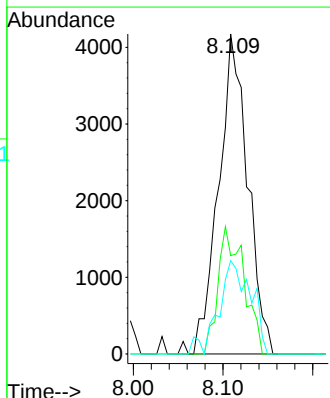
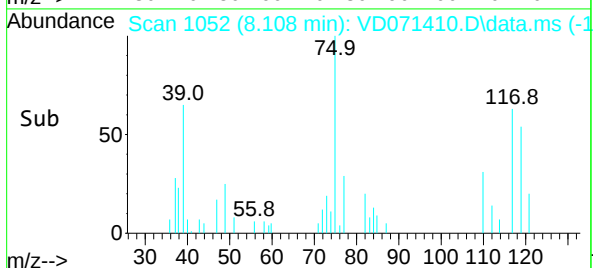
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

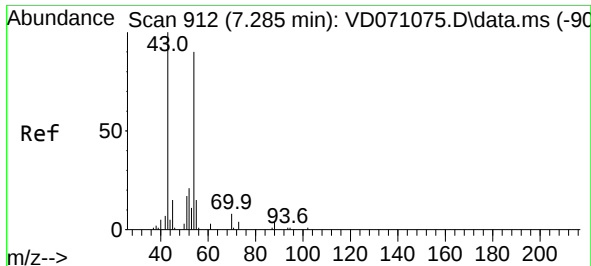


#36
1,1-Dichloropropene
Concen: 45.547 ug/l
RT: 8.108 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52



Tgt Ion: 75 Resp: 9424
Ion Ratio Lower Upper
75 100
110 35.1 17.8 53.4
77 32.3 24.8 37.2





#37

Ethyl Acetate

Concen: 312.508 ug/l

RT: 7.291 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD071410.D

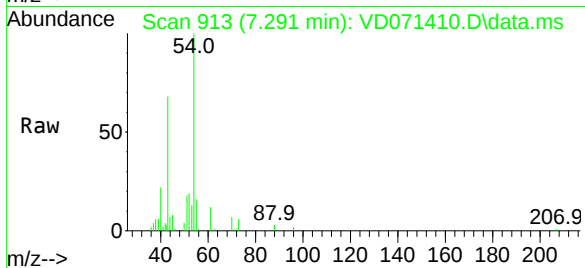
Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD

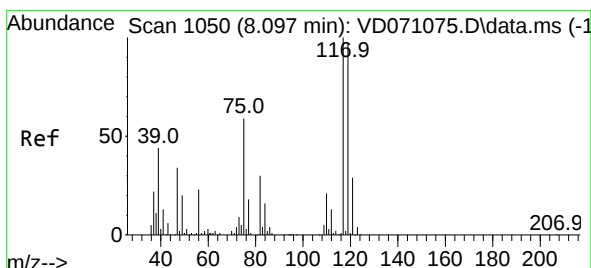
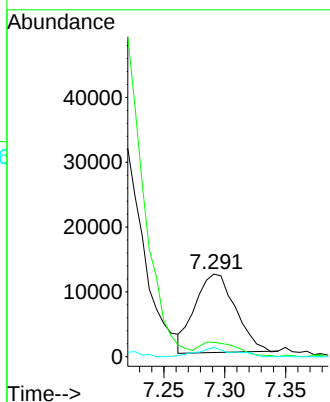
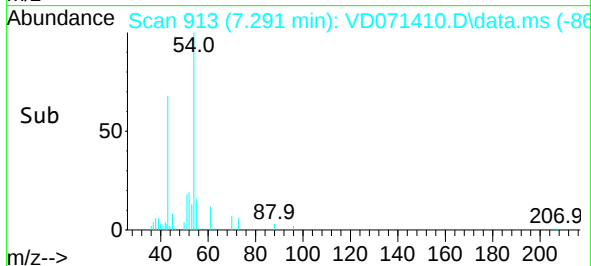


Tgt Ion: 43 Resp: 2793

Ion	Ratio	Lower	Upper
43	100		
61	17.4	13.0	19.6
70	10.5	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: 40.356 ug/l

RT: 8.085 min Scan# 1048

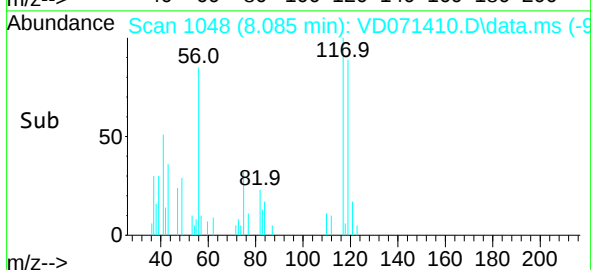
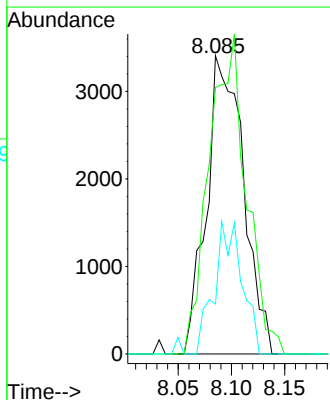
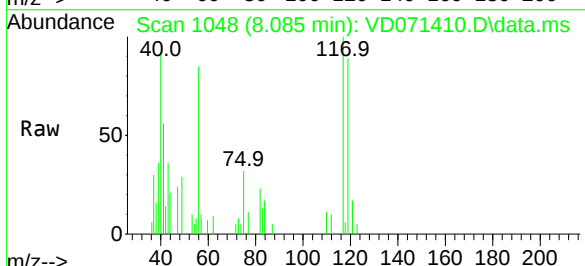
Delta R.T. -0.012 min

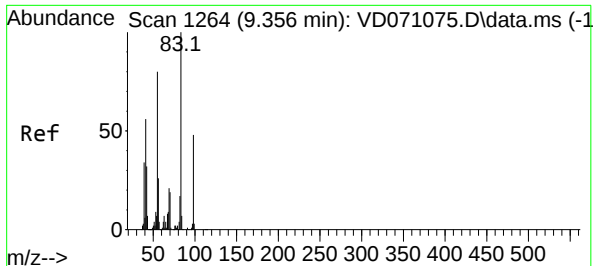
Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Tgt Ion:117 Resp: 8231

Ion	Ratio	Lower	Upper
117	100		
119	89.3	75.8	113.6
121	16.7	23.6	35.4





#39

Methylcyclohexane

Concen: 33.207 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD071410.D

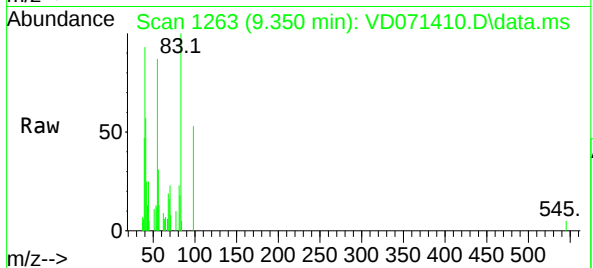
Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD

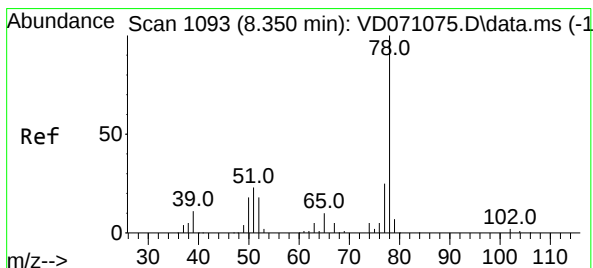
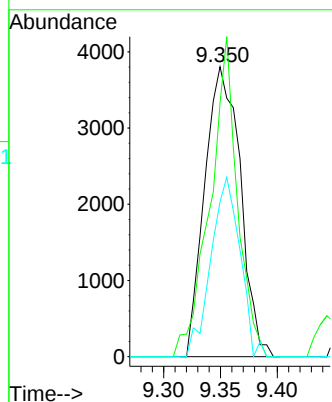


Tgt Ion:	83	Resp:	8264
Ion	Ratio	Lower	Upper
83	100		
55	87.4	65.8	98.8
98	53.4	38.7	58.1

Manual Integrations

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



#40

Benzene

Concen: 54.589 ug/l

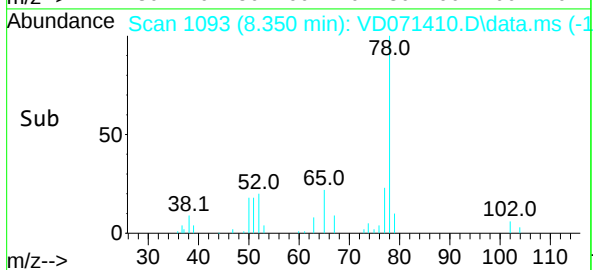
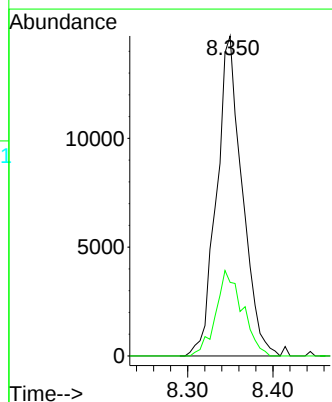
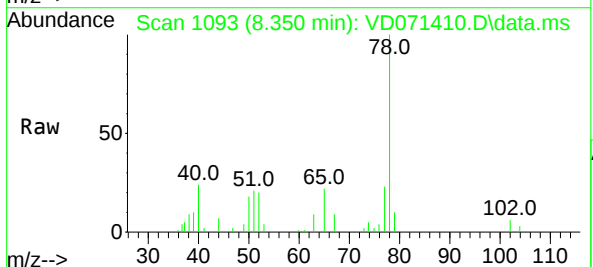
RT: 8.350 min Scan# 1093

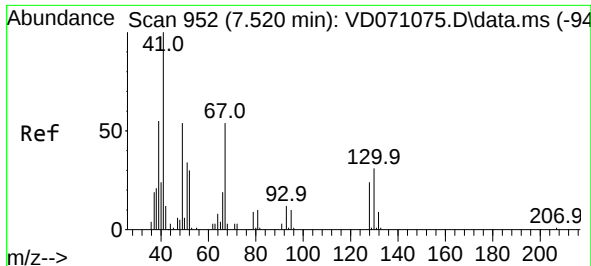
Delta R.T. -0.000 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

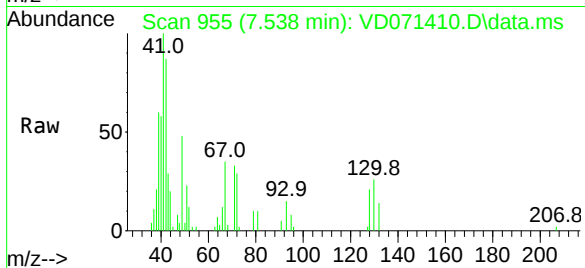
Tgt Ion:	78	Resp:	30680
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





#41
Methacrylonitrile
Concen: 215.379 ug/l m
RT: 7.538 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

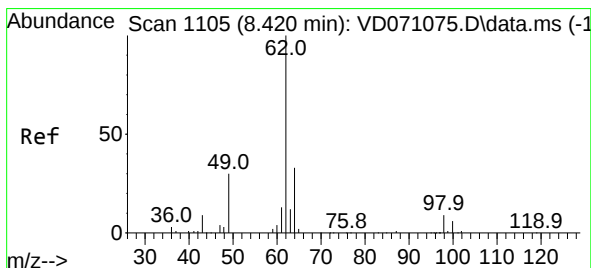
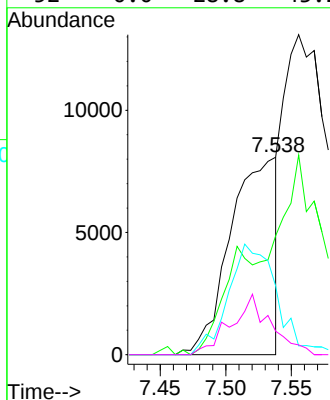
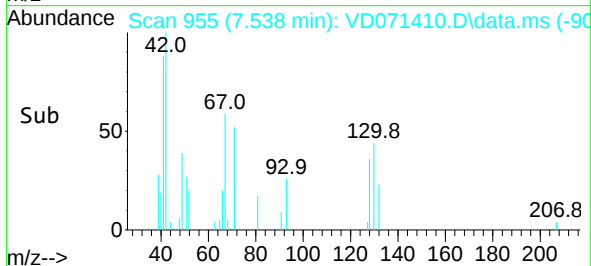
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 41 Resp: 1992
Ion Ratio Lower Upper
41 100
39 102.5 60.2 90.4
67 0.0 74.8 112.2
52 0.0 28.8 43.2

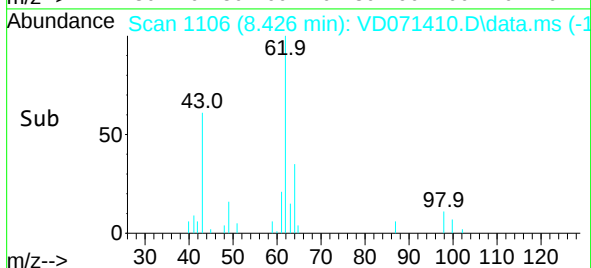
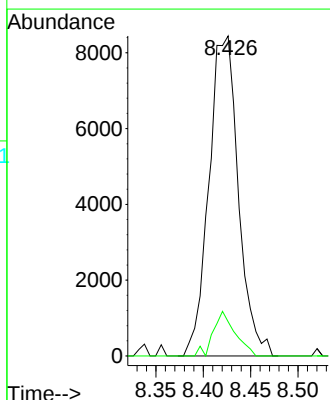
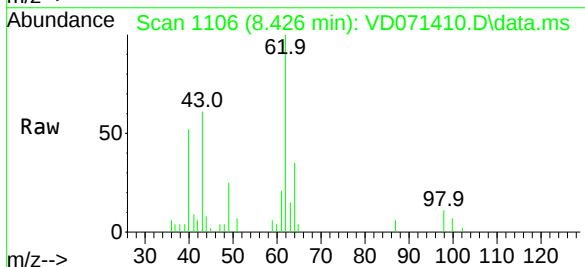
Manual Integrations
APPROVED

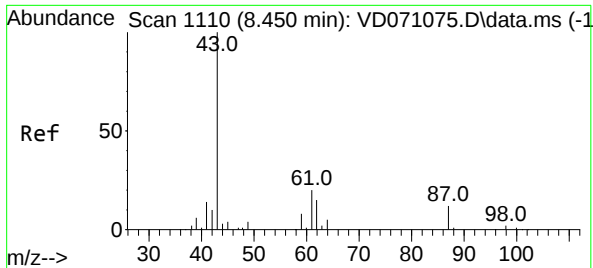
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#42
1,2-Dichloroethane
Concen: 106.427 ug/l
RT: 8.426 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

Tgt Ion: 62 Resp: 18258
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.8





#43

Isopropyl Acetate

Concen: 218.271 ug/l

RT: 8.456 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VD071410.D

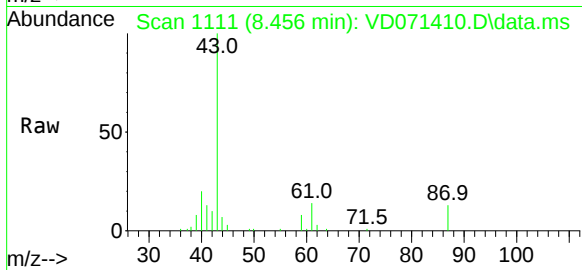
Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD



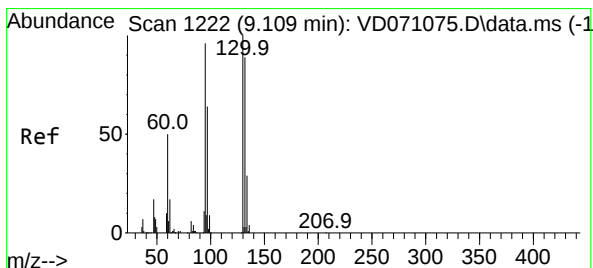
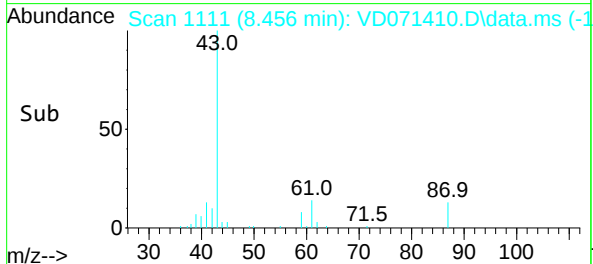
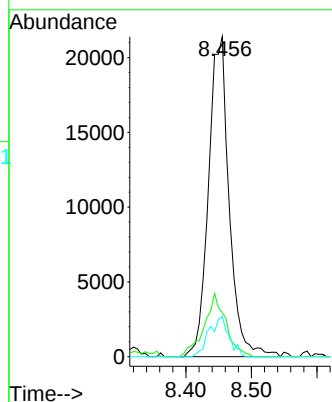
Tgt Ion: 43	Resp: 46780
Ion Ratio	Lower Upper
43	100
61	20.7 28.2 42.4
87	12.1 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#44

Trichloroethene

Concen: 185.746 ug/l

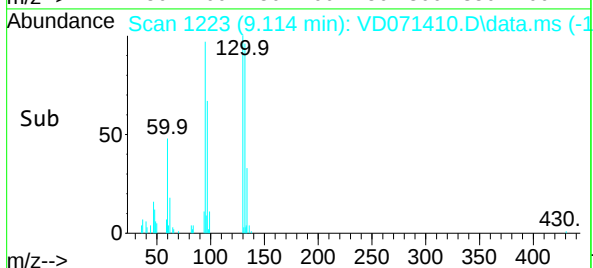
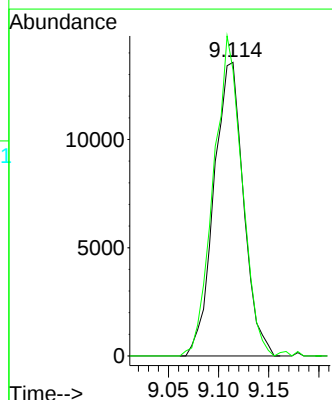
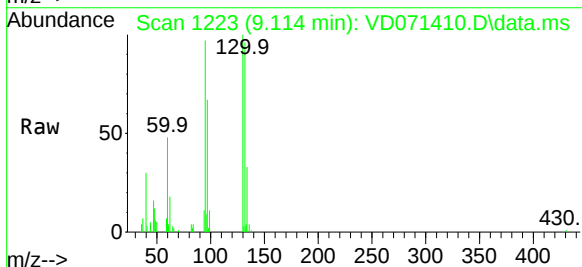
RT: 9.114 min Scan# 1223

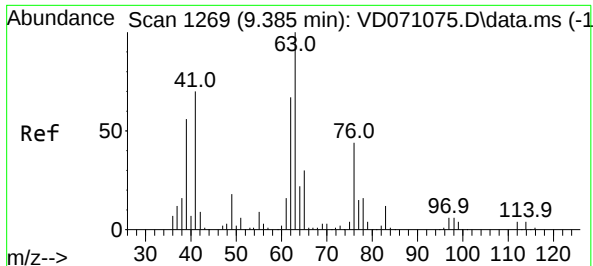
Delta R.T. 0.005 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Tgt Ion:130	Resp: 27834
Ion Ratio	Lower Upper
130	100
95	97.4 0.0 193.2





#45

1,2-Dichloropropane

Concen: 73.673 ug/l

RT: 9.385 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD

Tgt Ion: 63 Resp: 10889

Ion Ratio Lower Upper

63 100

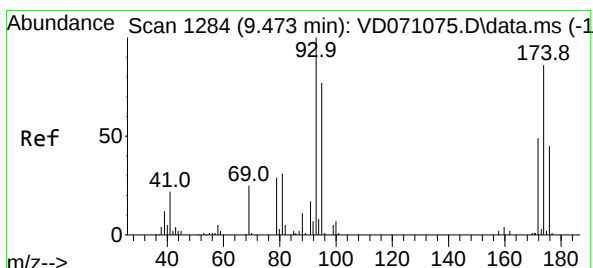
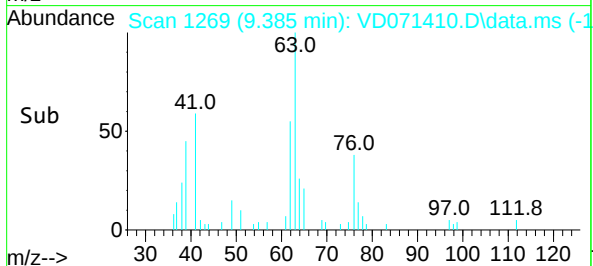
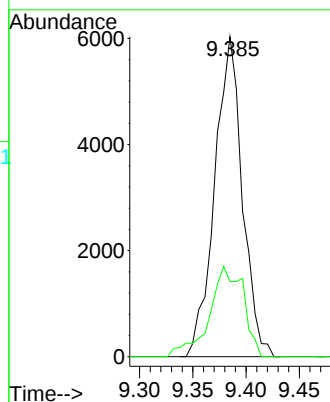
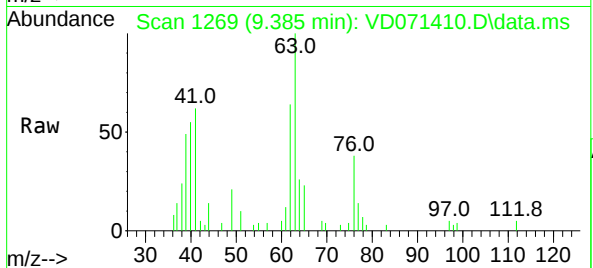
65 23.5 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#46

Dibromomethane

Concen: 125.936 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.000 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

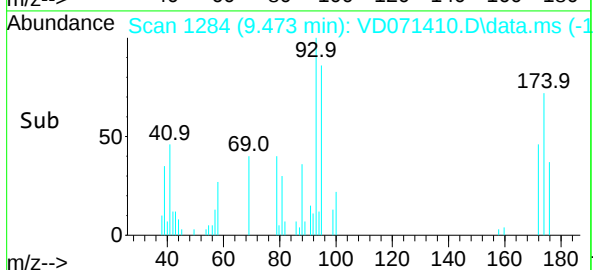
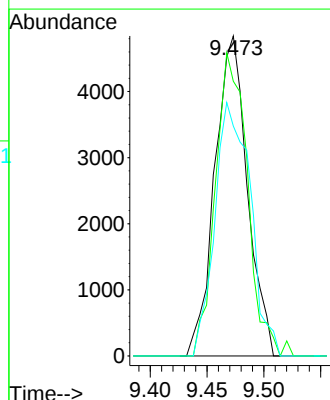
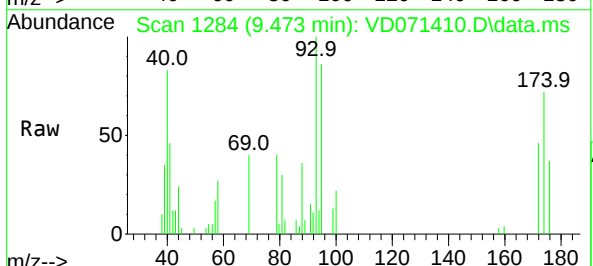
Tgt Ion: 93 Resp: 9657

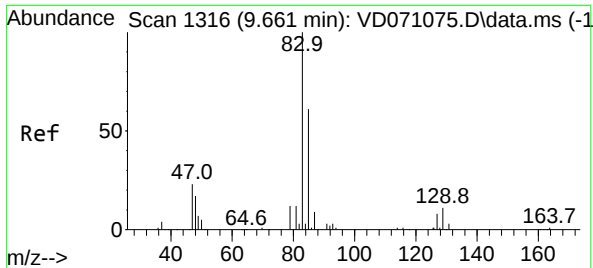
Ion Ratio Lower Upper

93 100

95 93.3 66.1 99.1

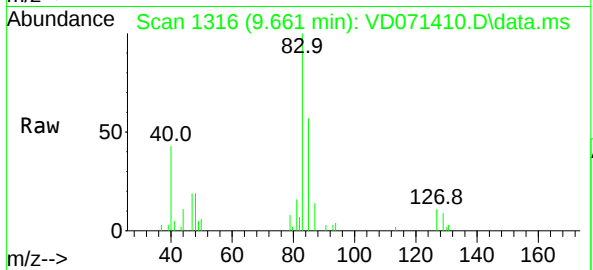
174 86.2 78.6 117.8





#47
Bromodichloromethane
Concen: 81.531 ug/l
RT: 9.661 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

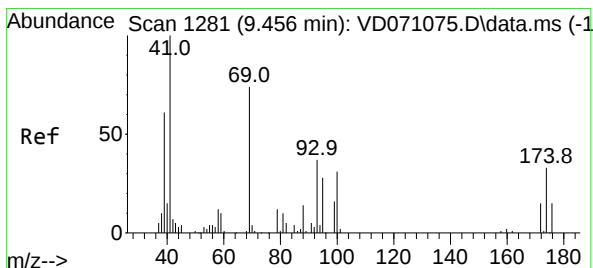
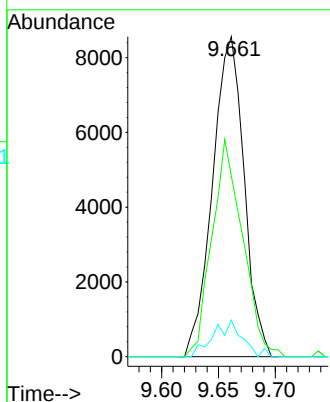
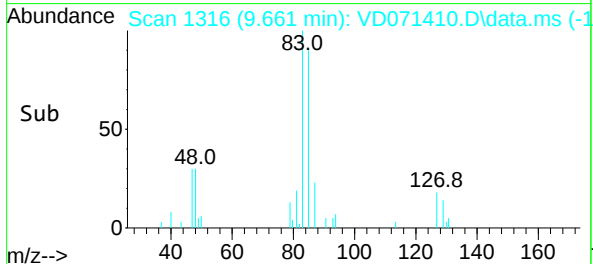
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 83 Resp: 16534
Ion Ratio Lower Upper
83 100
85 56.5 50.0 75.0
127 11.4 7.3 10.9

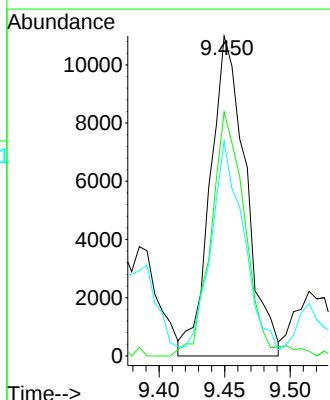
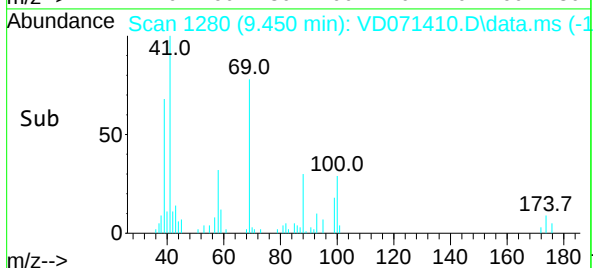
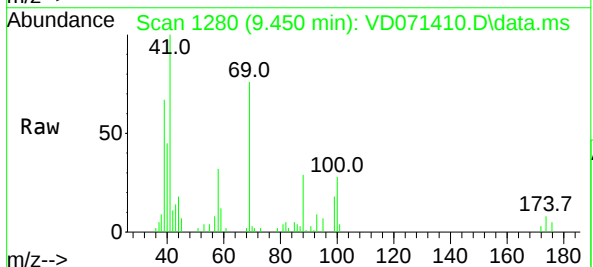
Manual Integrations
APPROVED

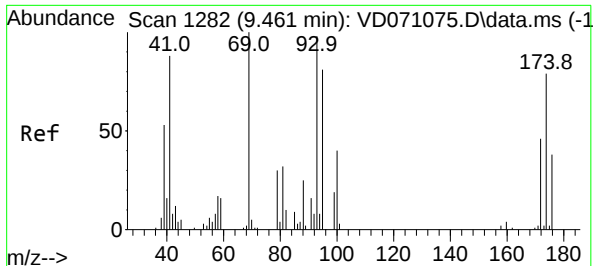
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#48
Methyl methacrylate
Concen: 236.140 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

Tgt Ion: 41 Resp: 20659
Ion Ratio Lower Upper
41 100
69 73.7 69.8 104.6
39 63.2 35.6 53.4





#49

1,4-Dioxane

Concen: 11889.742 ug/l

RT: 9.461 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD

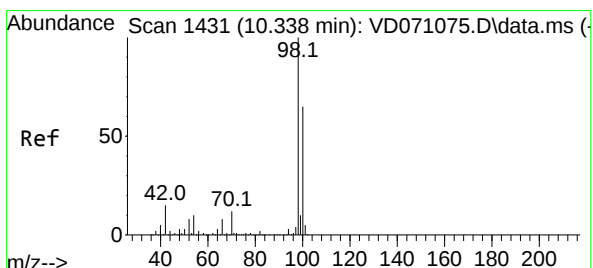
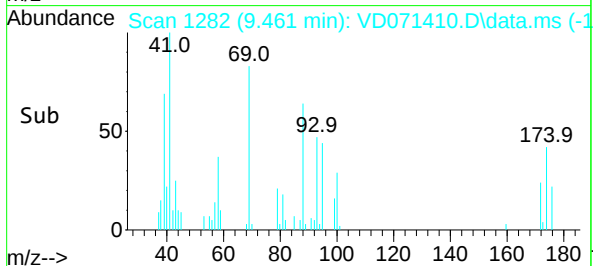
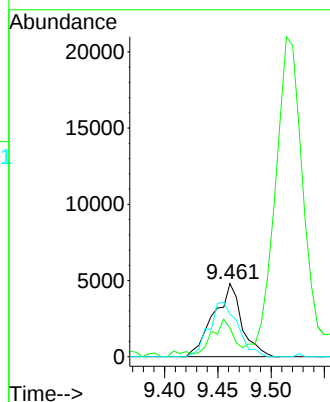
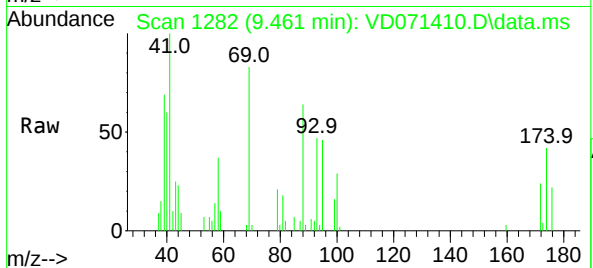
Tgt Ion: 88 Resp: 880

Ion	Ratio	Lower	Upper
88	100		
43	34.4	28.9	43.3
58	76.4	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: 55.617 ug/l

RT: 10.332 min Scan# 1430

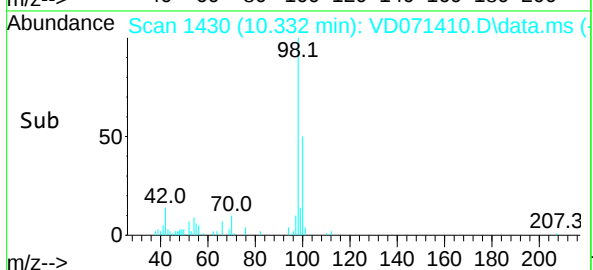
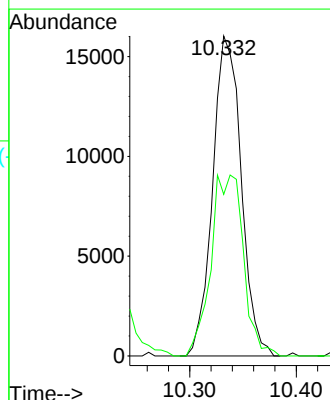
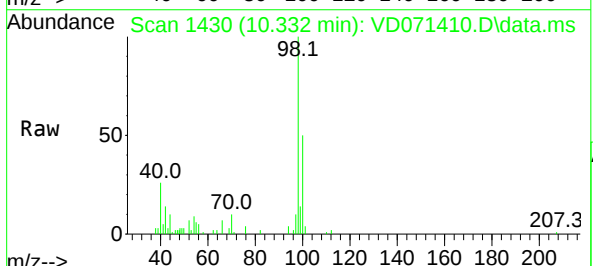
Delta R.T. -0.006 min

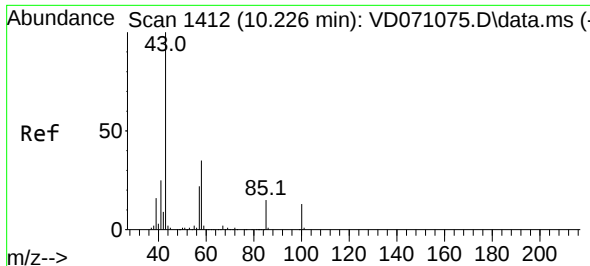
Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Tgt Ion: 98 Resp: 29837

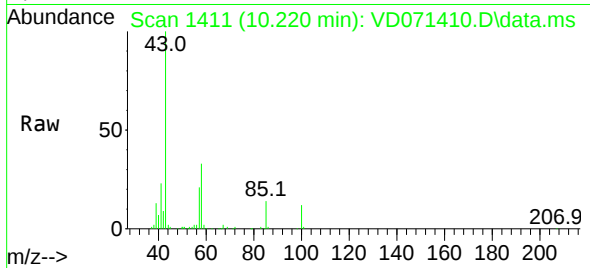
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.6





#51
4-Methyl-2-Pentanone
Concen: 1421.711 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

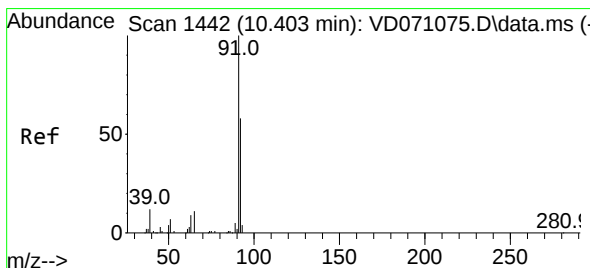
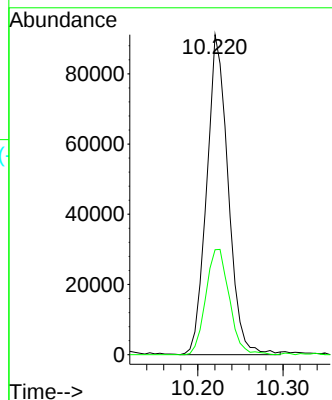
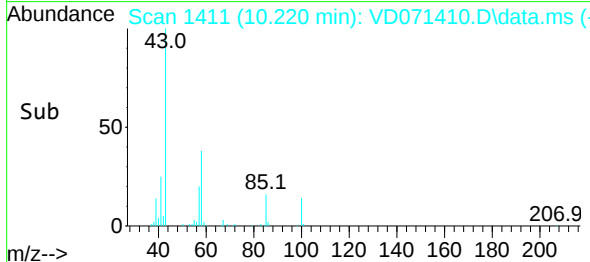
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 43 Resp: 159788
Ion Ratio Lower Upper
43 100
58 35.9 33.1 49.7

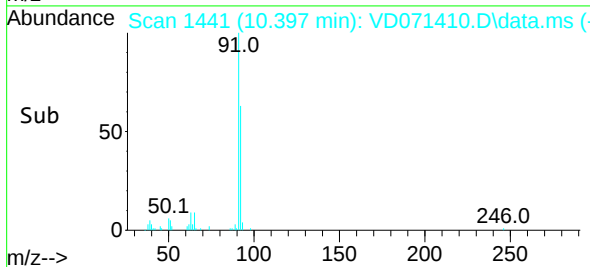
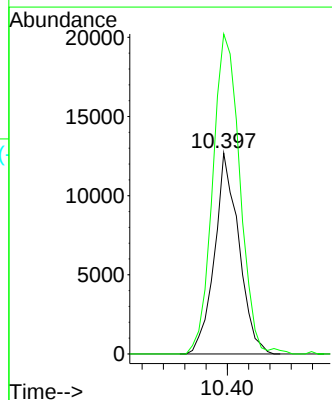
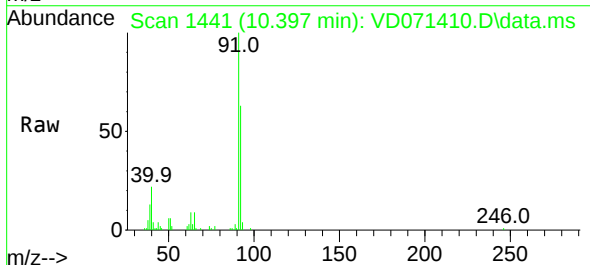
Manual Integrations
APPROVED

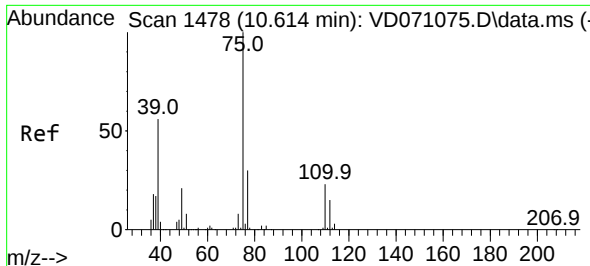
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#52
Toluene
Concen: 56.310 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

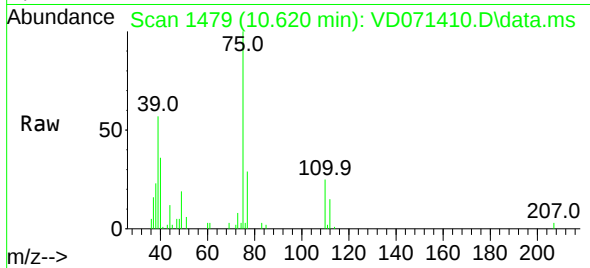
Tgt Ion: 92 Resp: 20080
Ion Ratio Lower Upper
92 100
91 177.9 140.7 211.1





#53
t-1,3-Dichloropropene
Concen: 101.018 ug/l
RT: 10.620 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

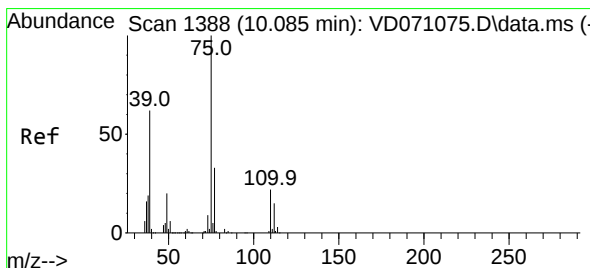
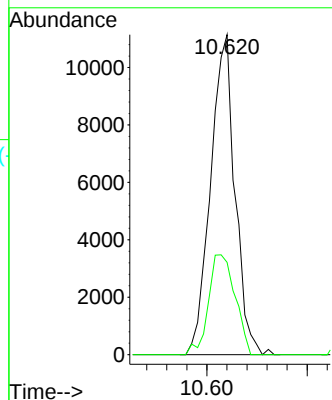
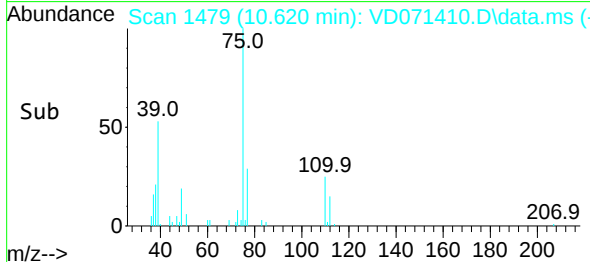
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 75 Resp: 1883
Ion Ratio Lower Upper
75 100
77 28.9 24.5 36.7

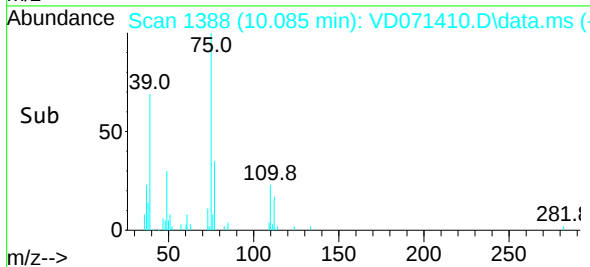
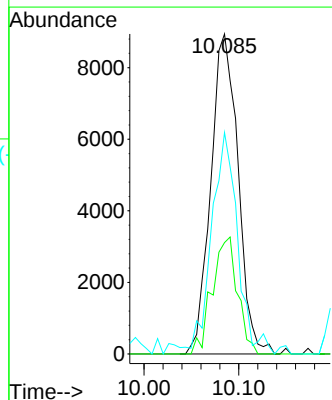
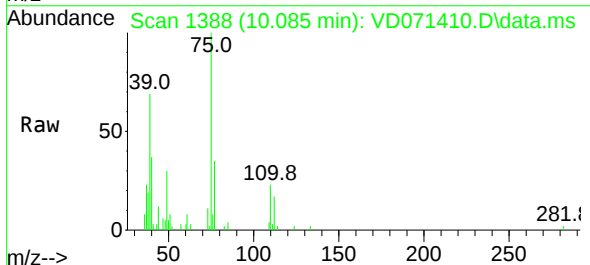
Manual Integrations
APPROVED

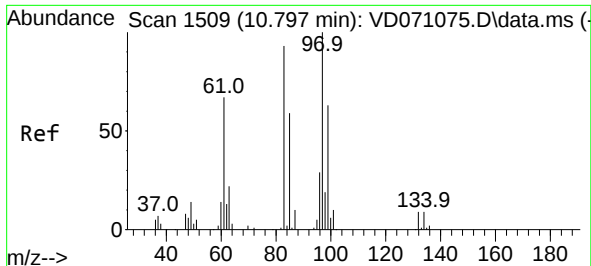
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#54
cis-1,3-Dichloropropene
Concen: 80.754 ug/l
RT: 10.085 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

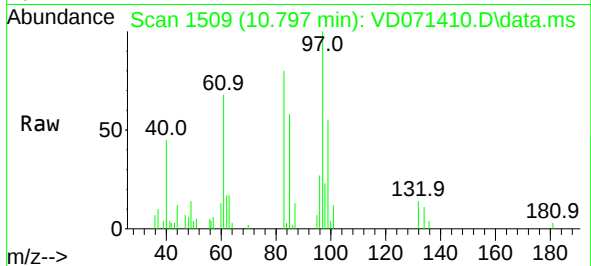
Tgt Ion: 75 Resp: 17885
Ion Ratio Lower Upper
75 100
77 34.8 25.0 37.6
39 67.2 31.6 47.4#





#55
1,1,2-Trichloroethane
Concen: 143.634 ug/l
RT: 10.797 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

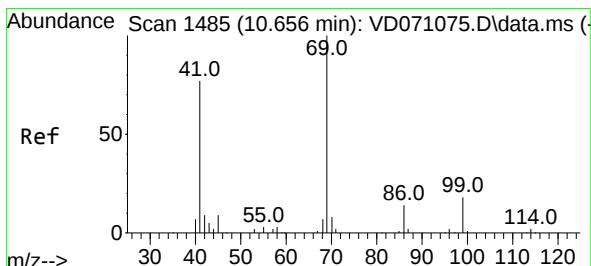
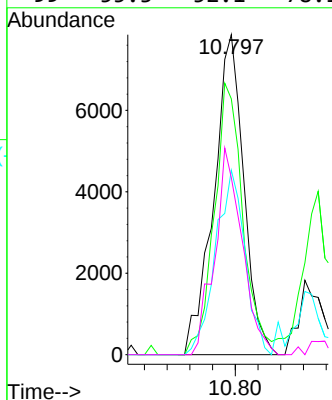
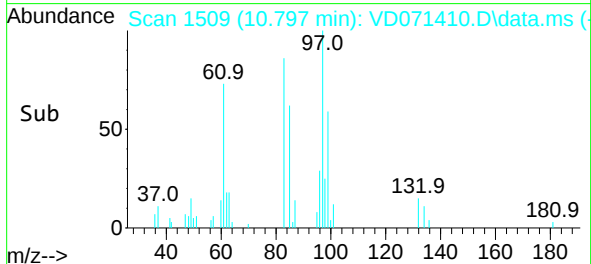
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



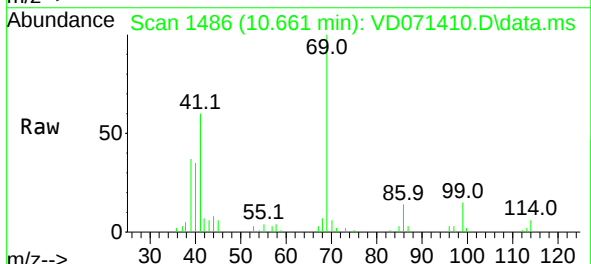
Tgt Ion:	97	Resp:	14449
Ion	Ratio	Lower	Upper
97	100		
83	79.9	65.2	97.8
85	57.6	43.4	65.0
99	55.3	52.1	78.1

Manual Integrations
APPROVED

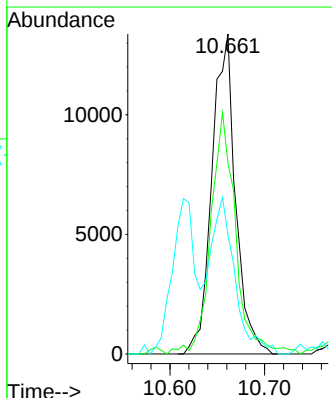
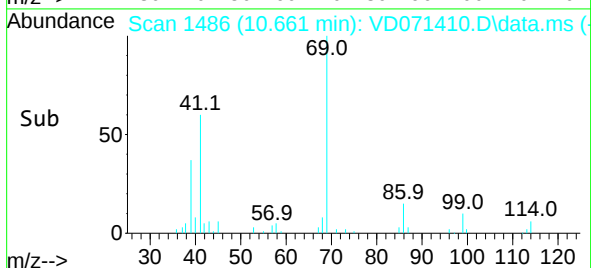
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

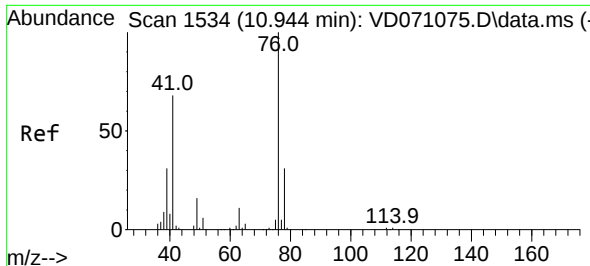


#56
Ethyl methacrylate
Concen: 147.000 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.005 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52



Tgt Ion:	69	Resp:	23193
Ion	Ratio	Lower	Upper
69	100		
41	79.6	50.2	75.2#
39	51.6	19.8	29.8#





#57

1,3-Dichloropropane

Concen: 124.493 ug/l

RT: 10.944 min Scan# 1534

Delta R.T. -0.000 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD

Tgt Ion: 76 Resp: 22000

Ion Ratio Lower Upper

76 100

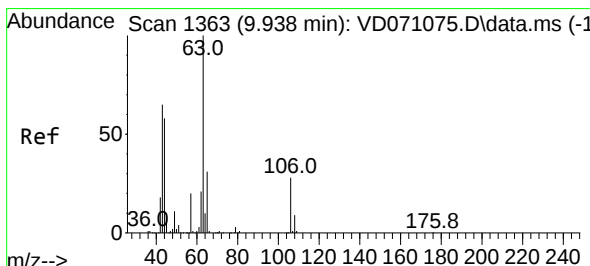
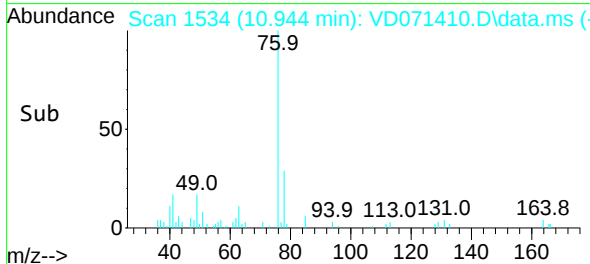
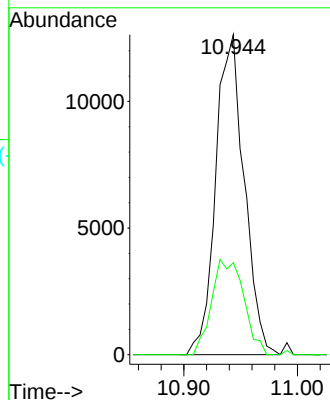
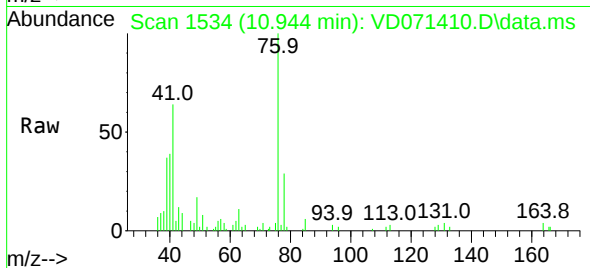
78 33.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#58

2-Chloroethyl Vinyl ether

Concen: 835.810 ug/l

RT: 9.938 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VD071410.D

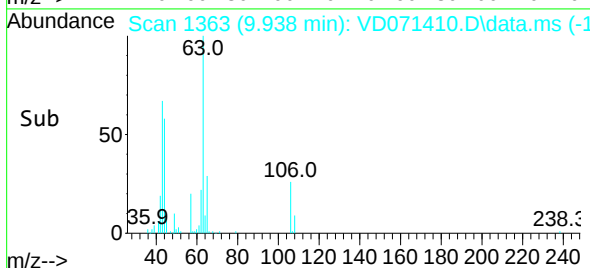
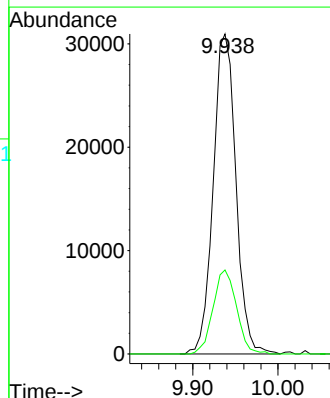
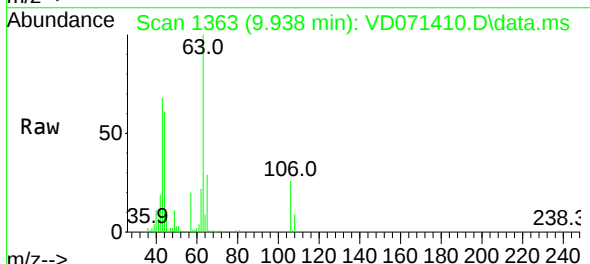
Acq: 21 Dec 2021 14:52

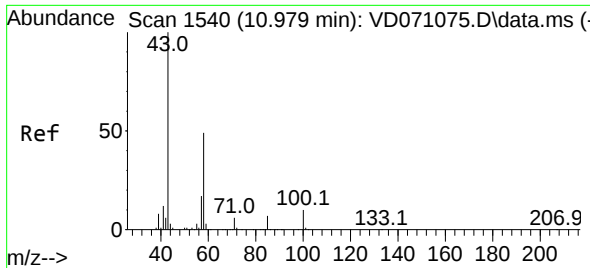
Tgt Ion: 63 Resp: 57214

Ion Ratio Lower Upper

63 100

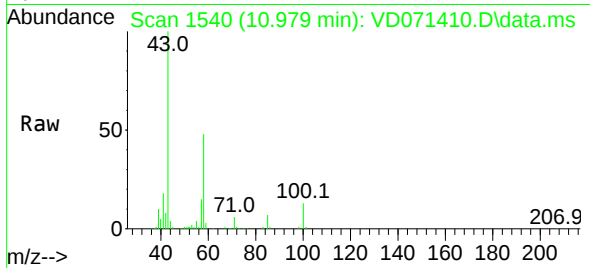
106 27.2 21.0 31.4





#59
2-Hexanone
Concen: 1480.926 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

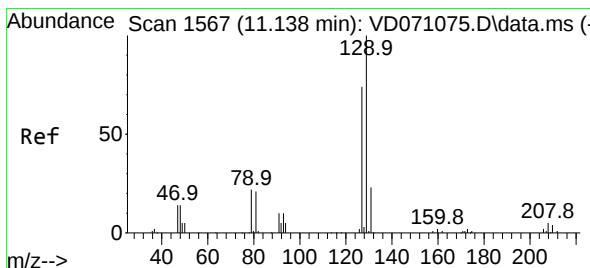
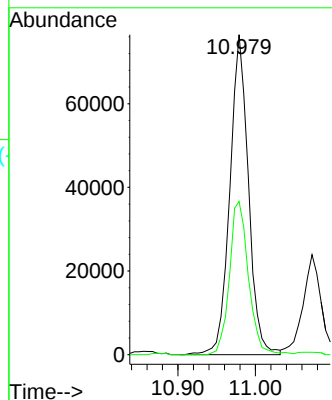
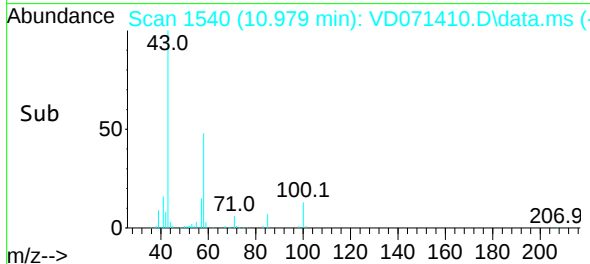
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion: 43 Resp: 12746
Ion Ratio Lower Upper
43 100
58 49.1 28.7 86.1

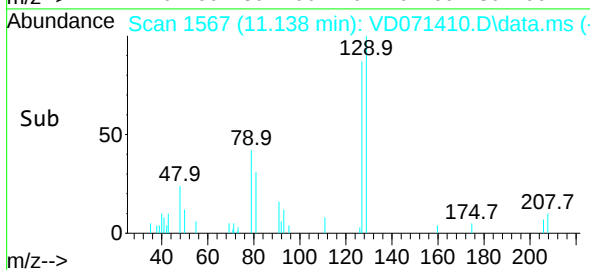
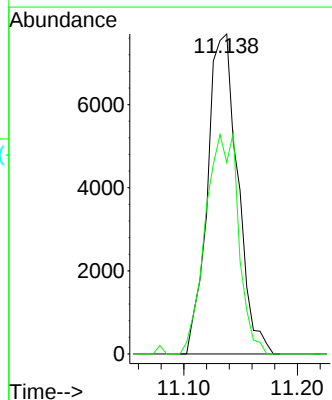
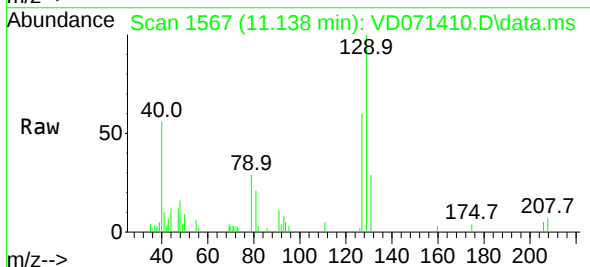
Manual Integrations
APPROVED

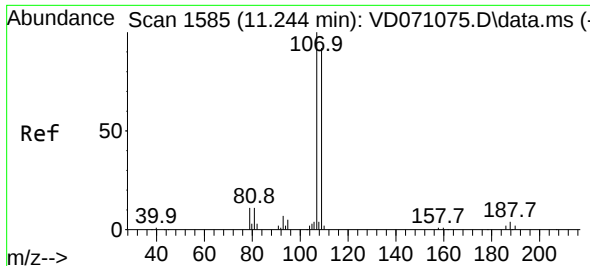
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#60
Dibromochloromethane
Concen: 113.881 ug/l
RT: 11.138 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

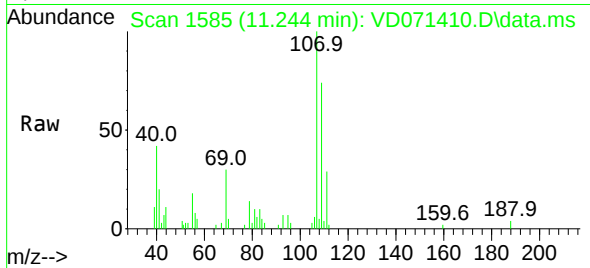
Tgt Ion:129 Resp: 14238
Ion Ratio Lower Upper
129 100
127 75.0 38.9 116.6





#61
1,2-Dibromoethane
Concen: 148.904 ug/l
RT: 11.244 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

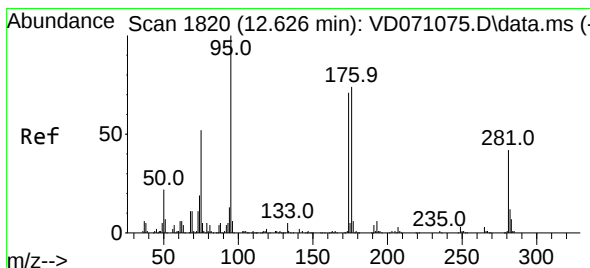
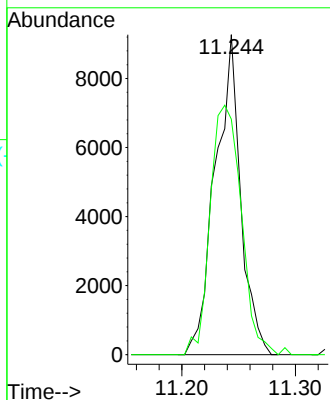
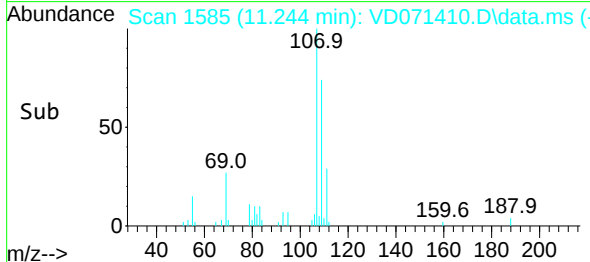
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion:107 Resp: 14380
Ion Ratio Lower Upper
107 100
109 95.6 74.6 112.0

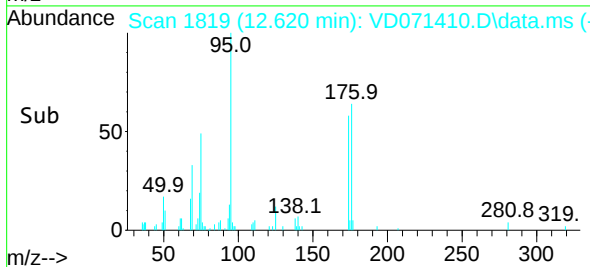
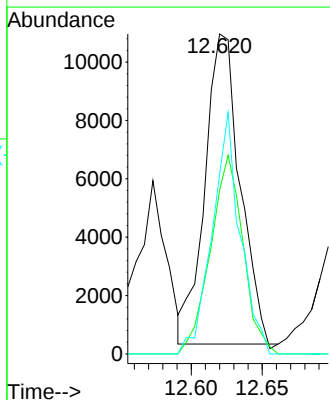
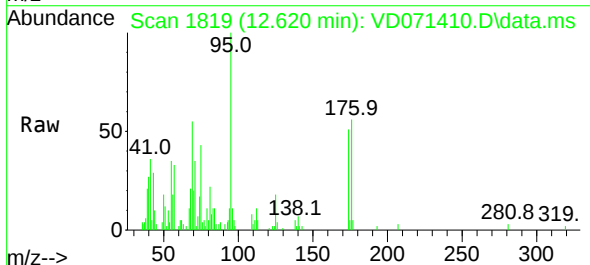
Manual Integrations
APPROVED

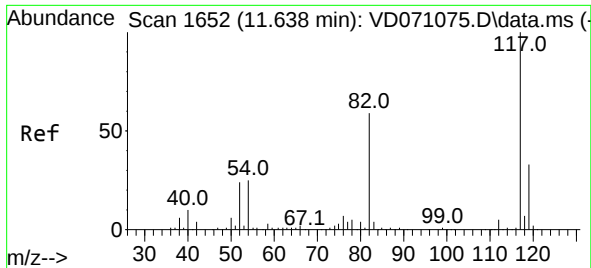
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#62
4-Bromofluorobenzene
Concen: 98.203 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

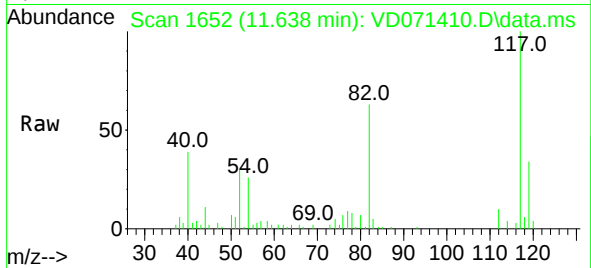
Tgt Ion: 95 Resp: 18262
Ion Ratio Lower Upper
95 100
174 59.3 0.0 159.4
176 61.8 0.0 154.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

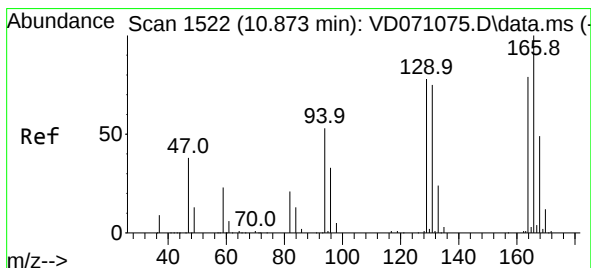
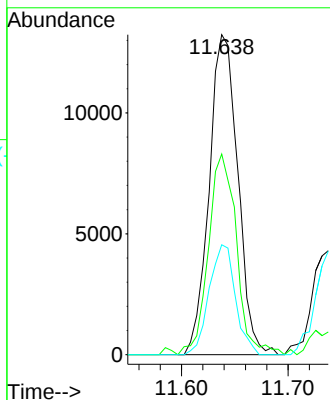
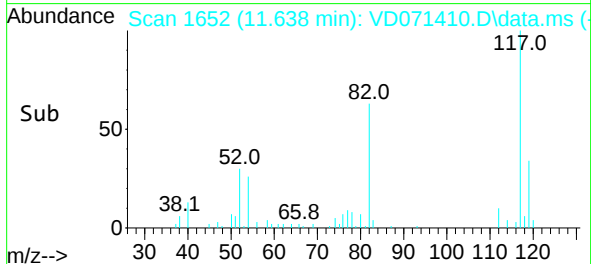
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion:117 Resp: 24749
Ion Ratio Lower Upper
117 100
82 62.7 44.7 67.1
119 34.3 26.2 39.4

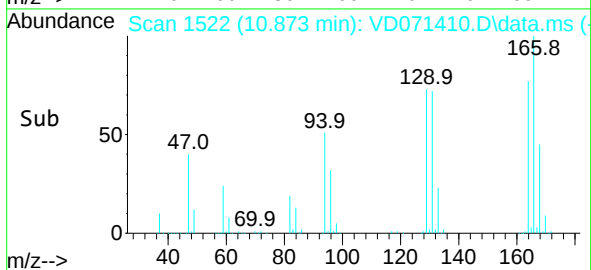
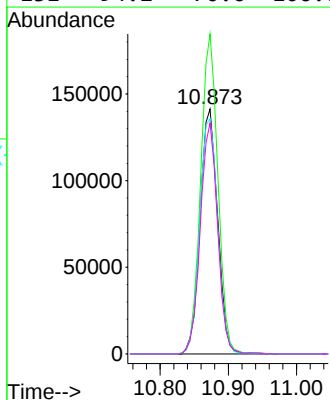
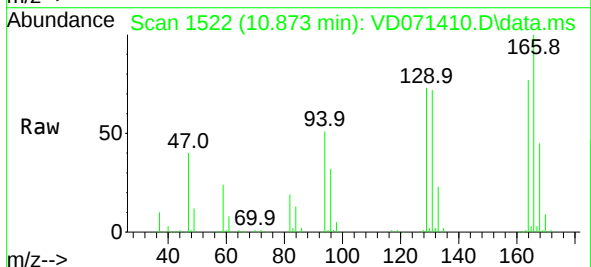
Manual Integrations
APPROVED

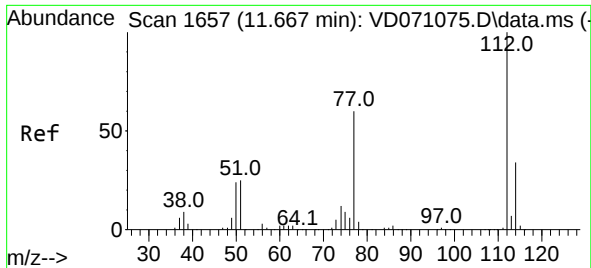
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#64
Tetrachloroethene
Concen: 1616.995 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

Tgt Ion:164 Resp: 254060
Ion Ratio Lower Upper
164 100
166 130.6 102.6 153.8
129 96.0 75.4 113.0
131 94.2 70.6 106.0





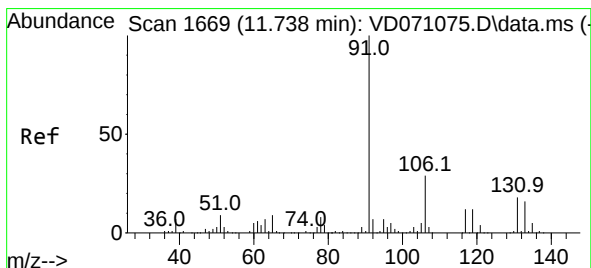
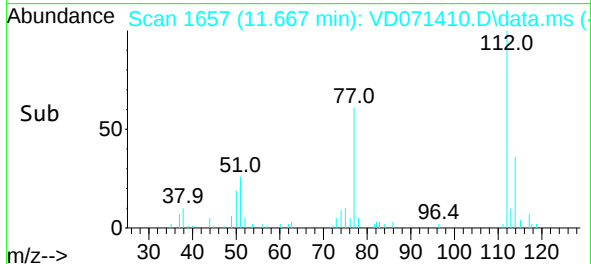
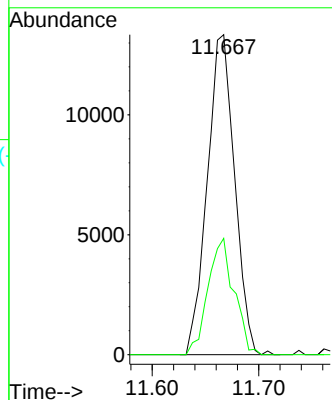
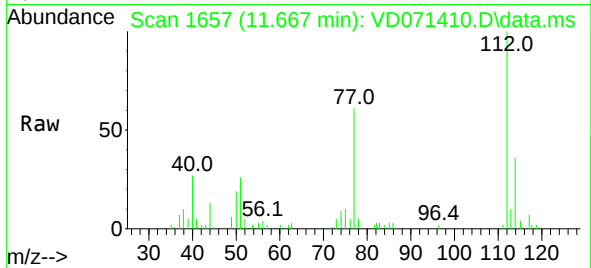
#65
Chlorobenzene
Concen: 51.847 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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

Tgt Ion:112 Resp: 2380
Ion Ratio Lower Upper
112 100
114 36.3 26.0 39.0

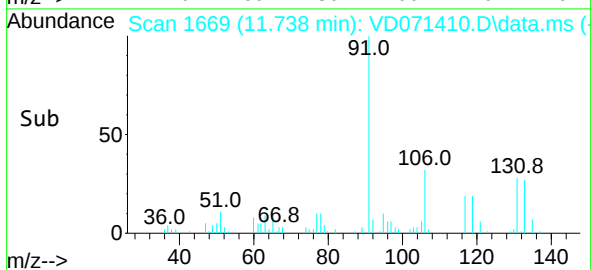
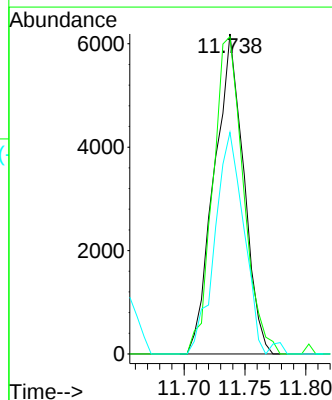
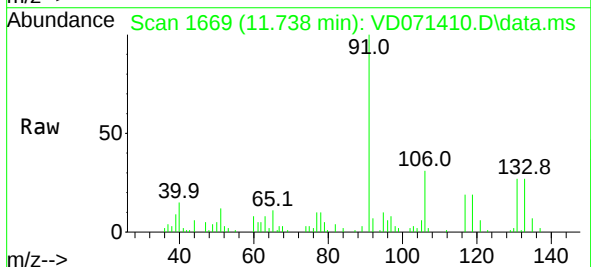
Manual Integrations
APPROVED

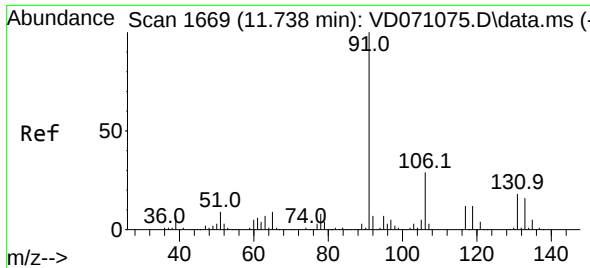
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 62.100 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

Tgt Ion:131 Resp: 10412
Ion Ratio Lower Upper
131 100
133 102.2 48.0 144.0
119 67.6 33.5 100.4





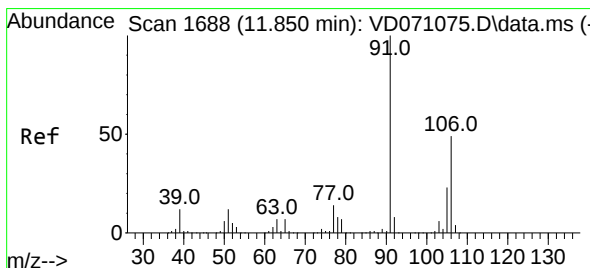
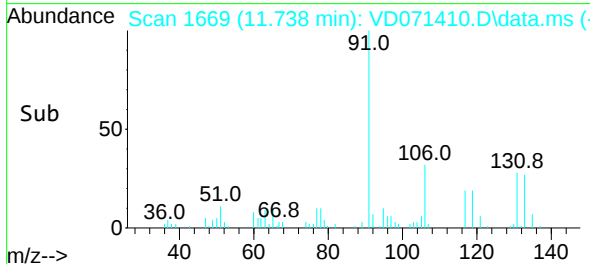
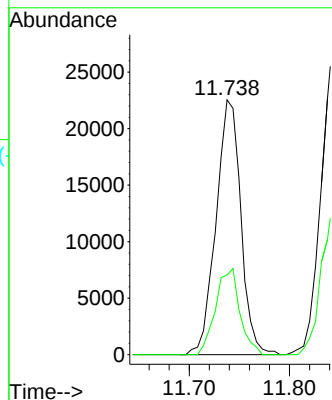
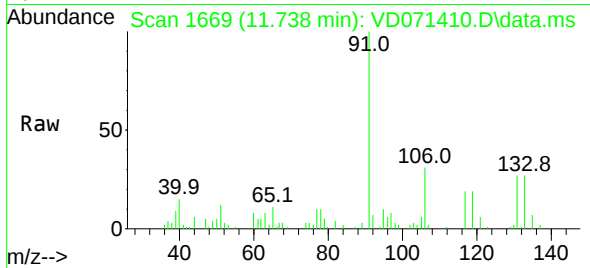
#67
Ethyl Benzene
Concen: 44.832 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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

Tgt Ion: 91 Resp: 3875
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

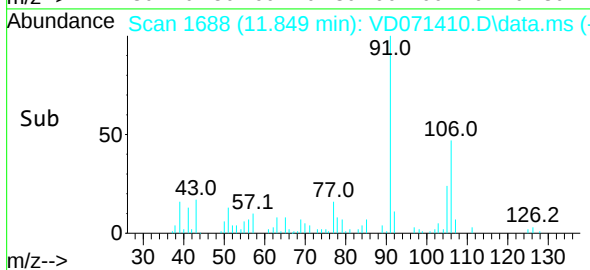
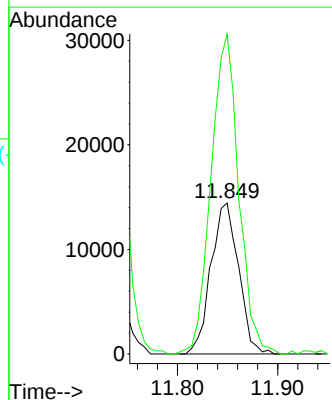
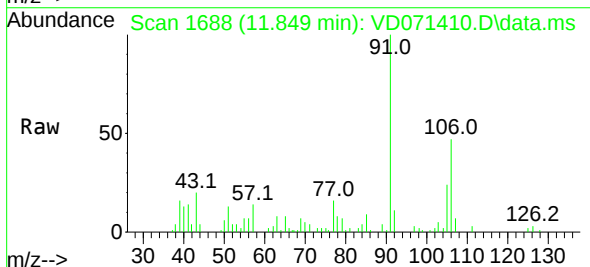
Manual Integrations
APPROVED

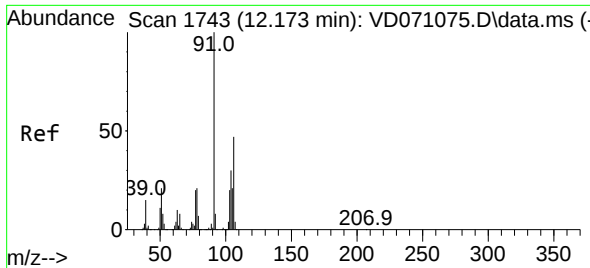
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#68
m/p-Xylenes
Concen: 84.569 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

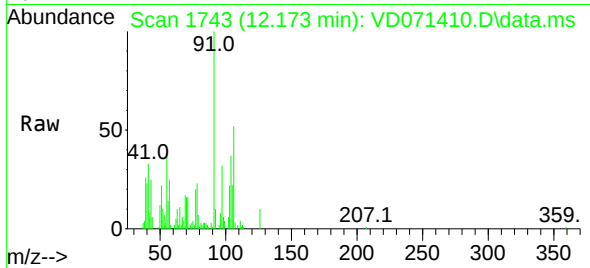
Tgt Ion:106 Resp: 27600
Ion Ratio Lower Upper
106 100
91 212.8 160.1 240.1





#69
o-Xylene
Concen: 54.802 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

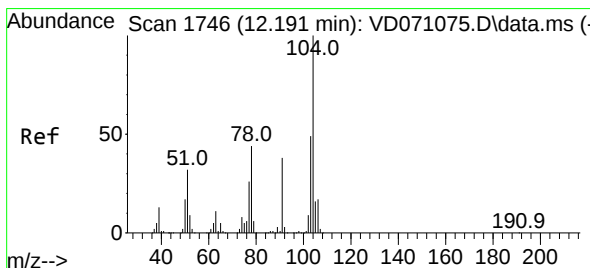
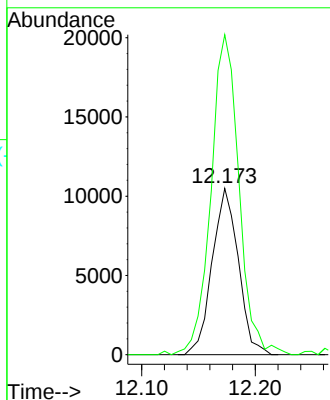
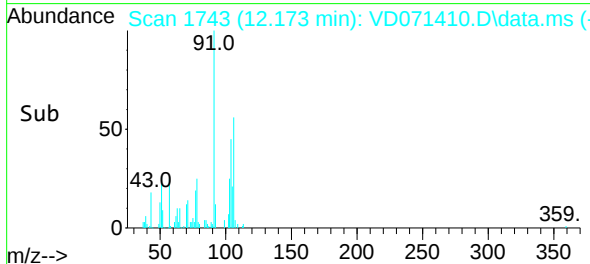
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



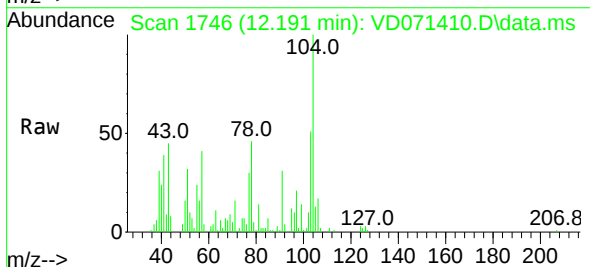
Tgt Ion:106 Resp: 16810
Ion Ratio Lower Upper
106 100
91 206.2 106.3 319.0

Manual Integrations
APPROVED

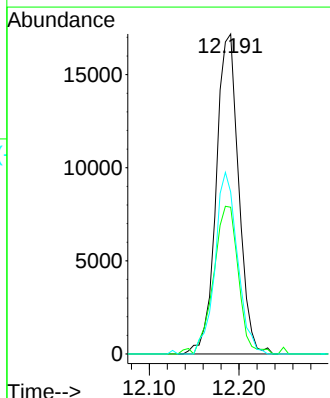
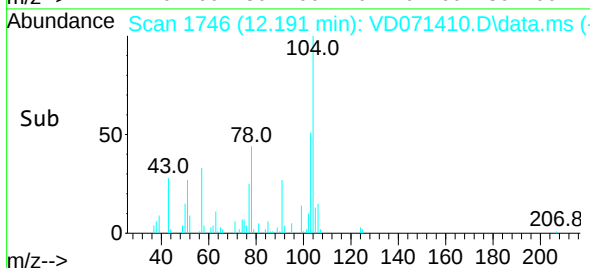
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

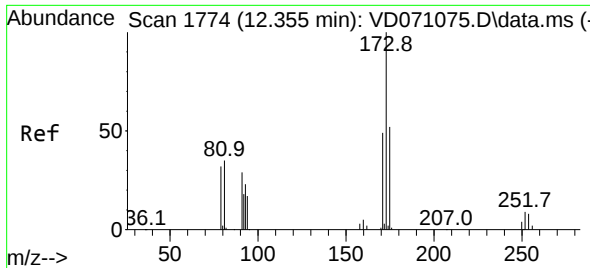


#70
Styrene
Concen: 57.797 ug/l
RT: 12.191 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52



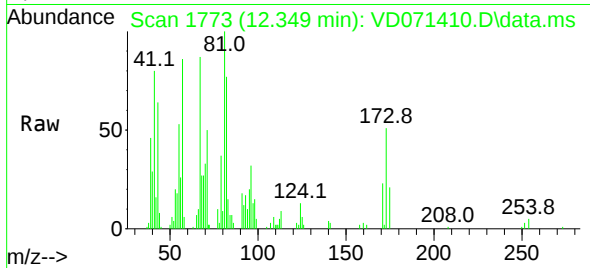
Tgt Ion:104 Resp: 29879
Ion Ratio Lower Upper
104 100
78 51.2 39.4 59.0
103 56.8 43.4 65.0





#71
Bromoform
Concen: 139.672 ug/l
RT: 12.349 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

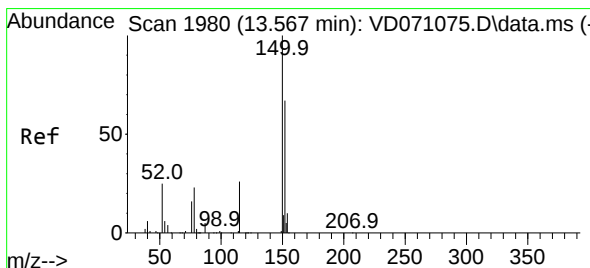
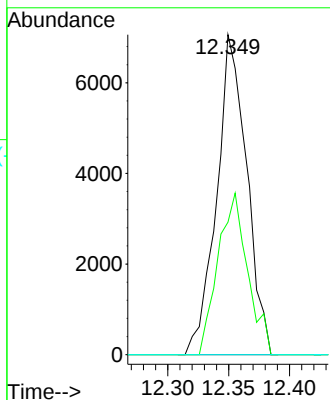
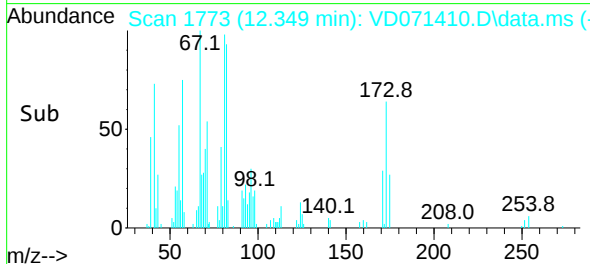
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion:173 Resp: 1213
Ion Ratio Lower Upper
173 100
175 49.8 24.1 72.2
254 0.0 0.1 0.1

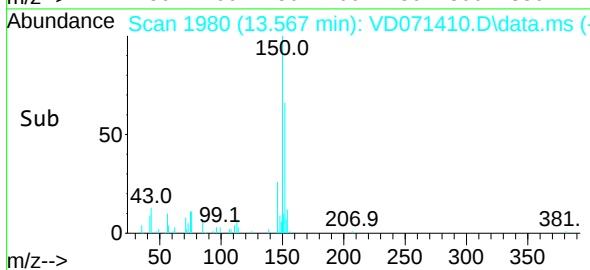
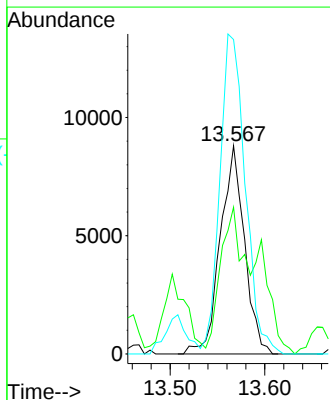
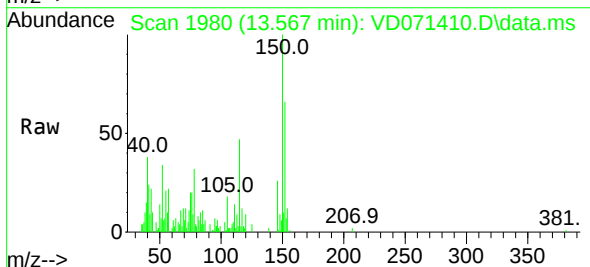
Manual Integrations
APPROVED

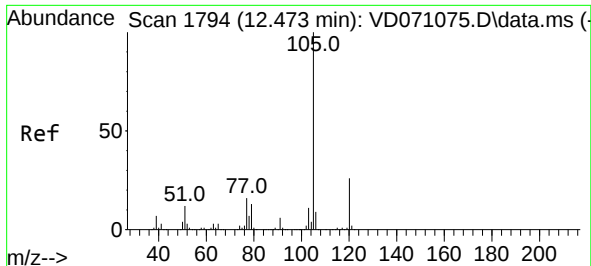
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

Tgt Ion:152 Resp: 15628
Ion Ratio Lower Upper
152 100
115 65.7 29.8 89.3
150 161.4 0.0 349.2





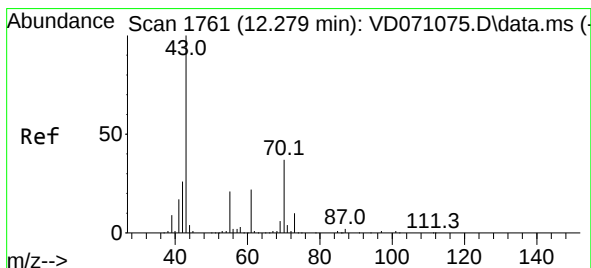
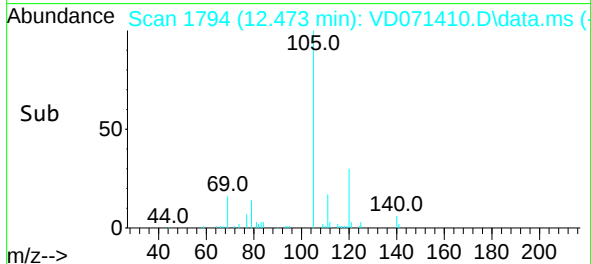
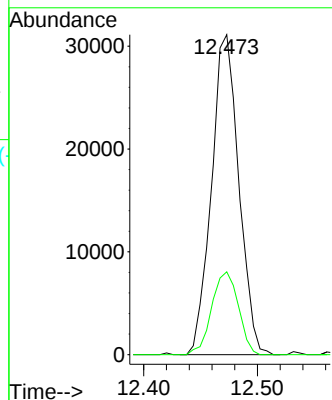
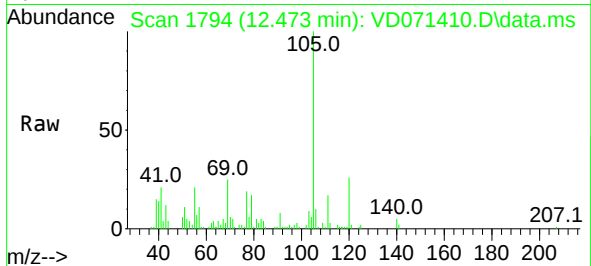
#73
Isopropylbenzene
Concen: 46.045 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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

Tgt Ion:105 Resp: 52104
Ion Ratio Lower Upper
105 100
120 25.2 13.2 39.5

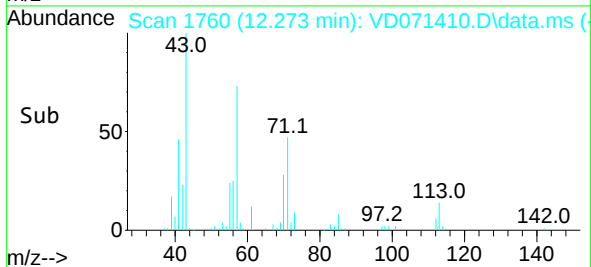
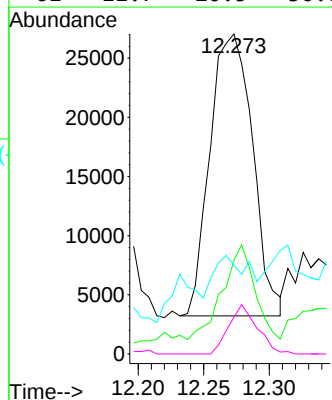
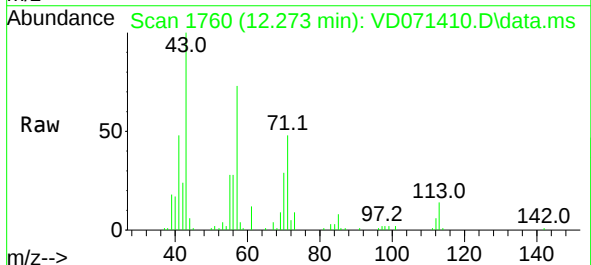
Manual Integrations
APPROVED

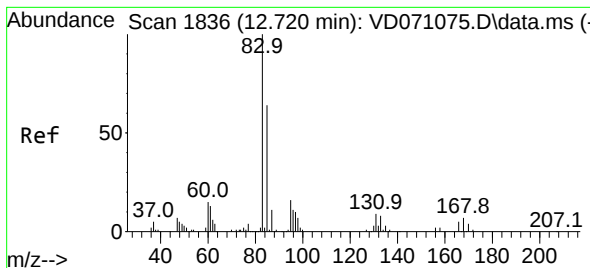
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#74
N-ethyl acetate
Concen: 159.533 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

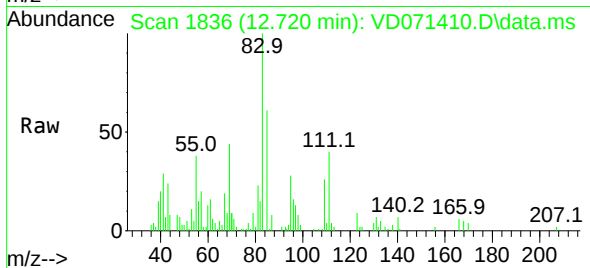
Tgt Ion: 43 Resp: 53793
Ion Ratio Lower Upper
43 100
70 25.1 36.6 55.0#
55 17.6 22.5 33.7#
61 11.7 20.5 30.7#





#75
1,1,2,2-Tetrachloroethane
Concen: 162.785 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

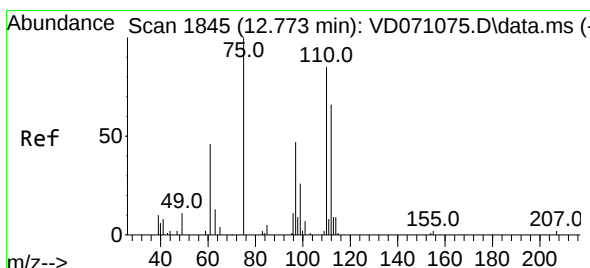
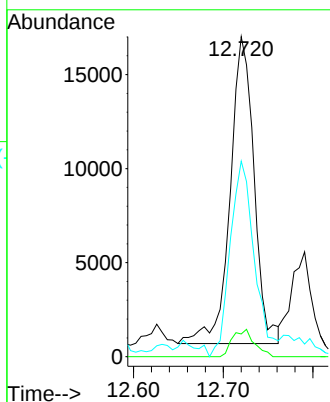
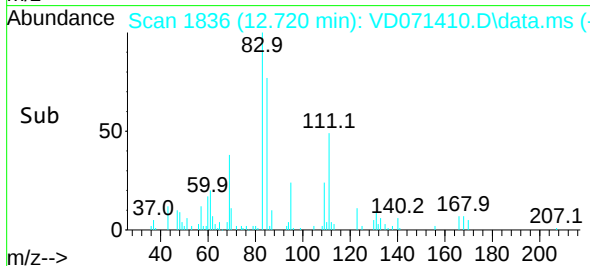
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



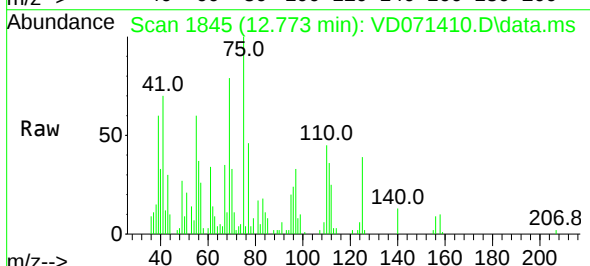
Tgt Ion: 83 Resp: 3033
Ion Ratio Lower Upper
83 100
131 8.1 4.9 14.7
85 64.5 32.0 96.2

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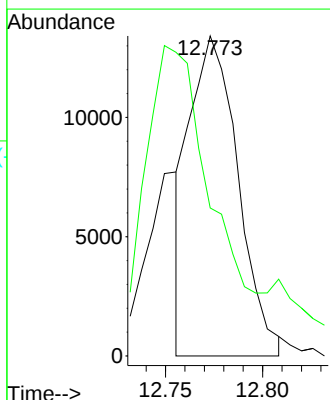
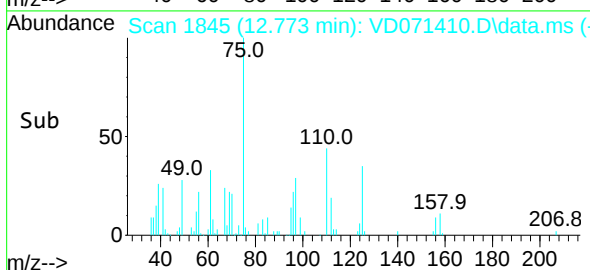
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

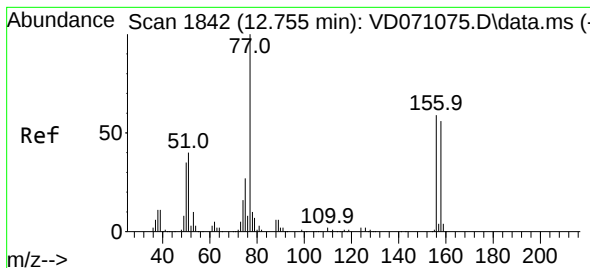


#76
1,2,3-Trichloropropane
Concen: 156.793 ug/l m
RT: 12.773 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52



Tgt Ion: 75 Resp: 23346
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#





#77

Bromobenzene

Concen: 46.809 ug/l

RT: 12.755 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD071410.D

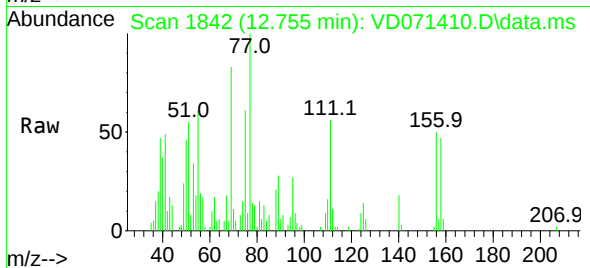
Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD

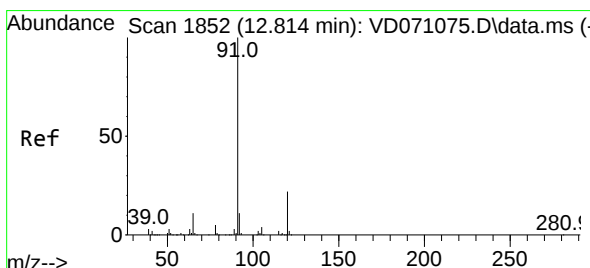
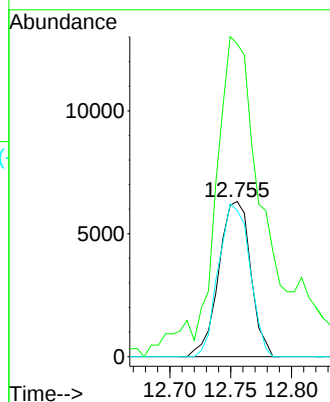
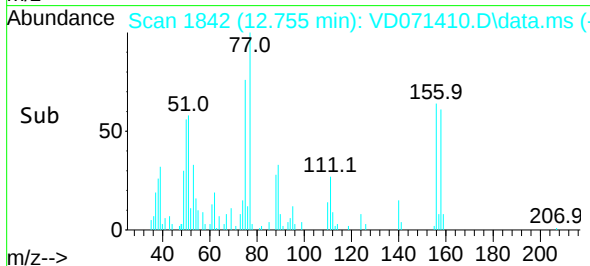


Tgt Ion:	156	Resp:	1147
Ion Ratio	Lower	Upper	
156	100		
77	296.9	96.6	289.8
158	96.4	49.1	147.4

Manual Integrations

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



#78

n-propylbenzene

Concen: 68.464 ug/l

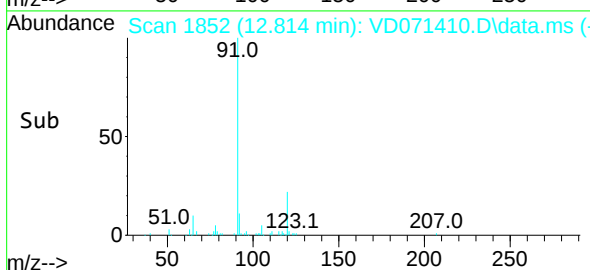
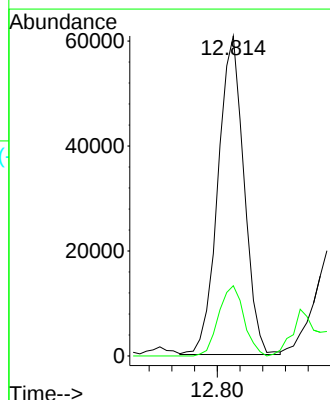
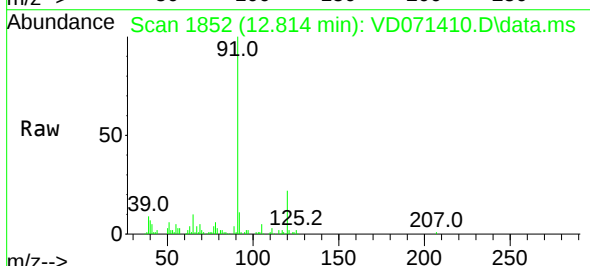
RT: 12.814 min Scan# 1852

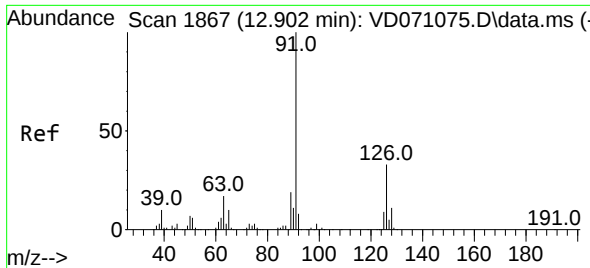
Delta R.T. 0.000 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52

Tgt Ion:	91	Resp:	96480
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.9	32.9





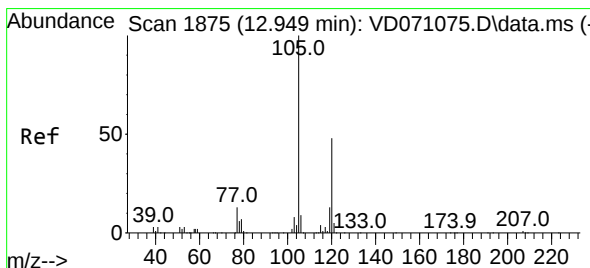
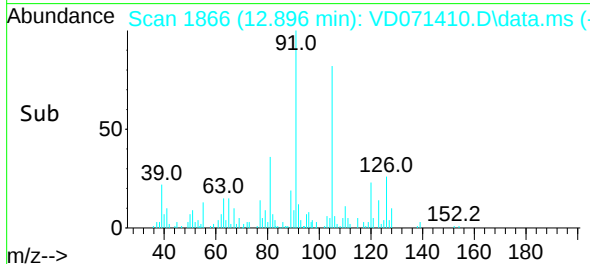
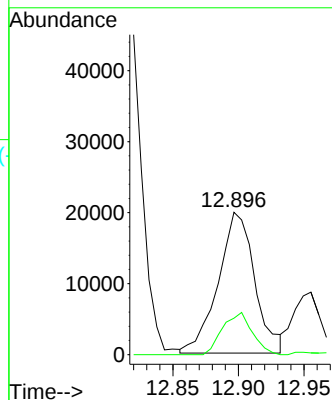
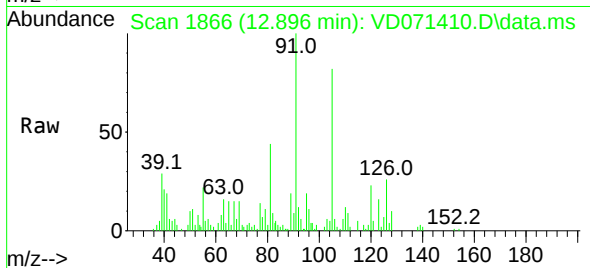
#79
2-Chlorotoluene
Concen: 48.705 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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

Tgt Ion: 91 Resp: 3852
Ion Ratio Lower Upper
91 100
126 24.3 16.6 49.7

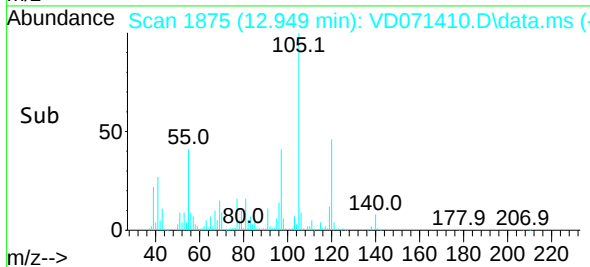
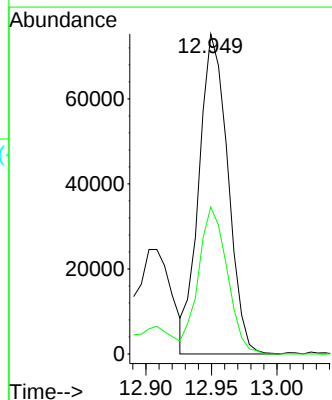
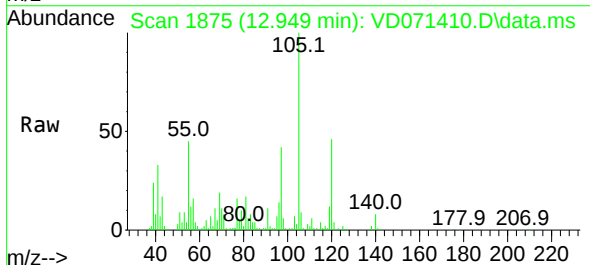
Manual Integrations
APPROVED

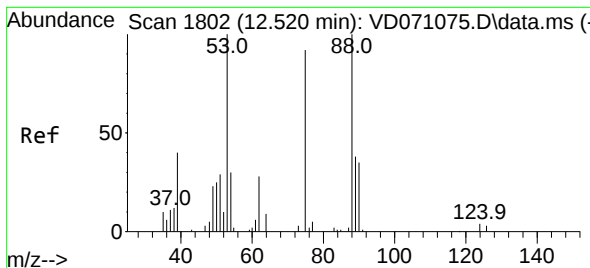
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#80
1,3,5-Trimethylbenzene
Concen: 123.527 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

Tgt Ion:105 Resp: 115267
Ion Ratio Lower Upper
105 100
120 45.9 24.6 73.8





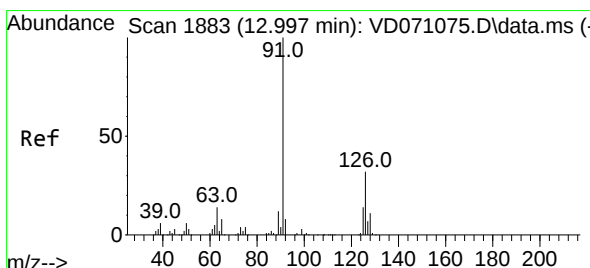
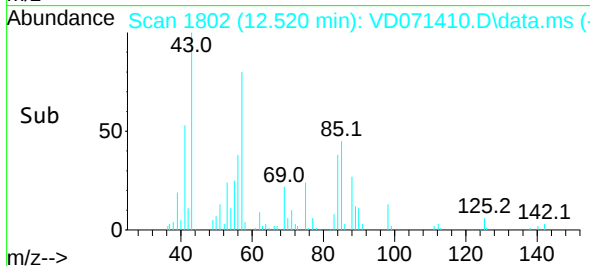
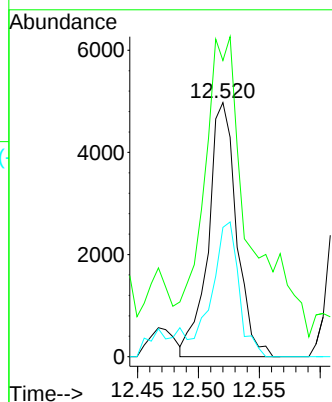
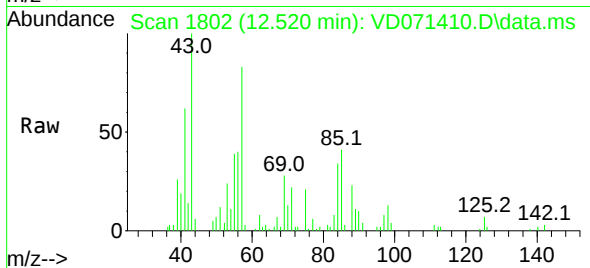
#81
trans-1,4-Dichloro-2-butene
Concen: 117.291 ug/l
RT: 12.520 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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

Tgt Ion: 75 Resp: 8020
Ion Ratio Lower Upper
75 100
53 187.4 62.6 94.0
89 50.5 34.5 51.7

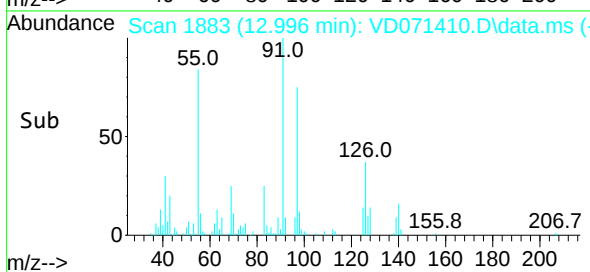
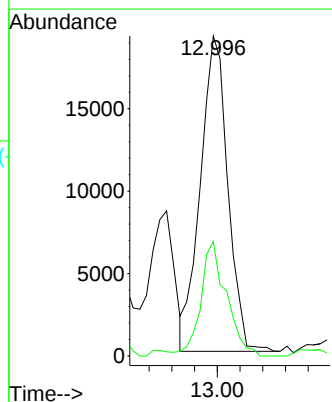
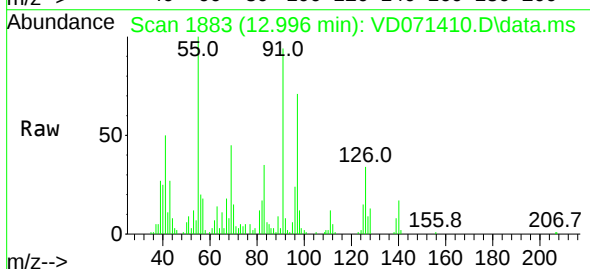
Manual Integrations
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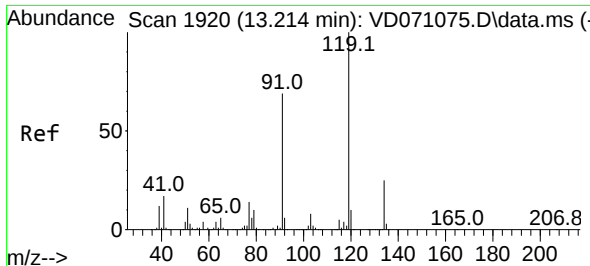
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#82
4-Chlorotoluene
Concen: 39.095 ug/l
RT: 12.996 min Scan# 1883
Delta R.T. -0.001 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

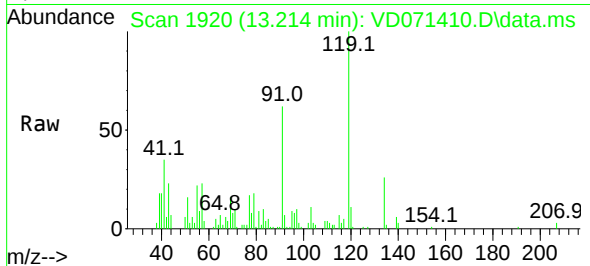
Tgt Ion: 91 Resp: 32102
Ion Ratio Lower Upper
91 100
126 33.7 16.4 49.1





#83
tert-Butylbenzene
Concen: 43.661 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

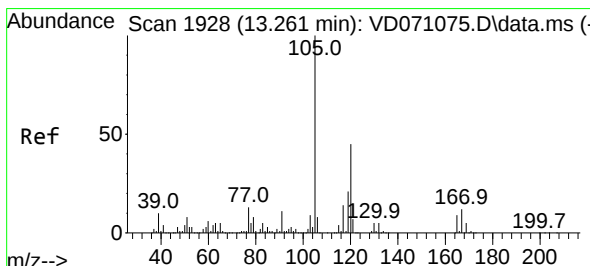
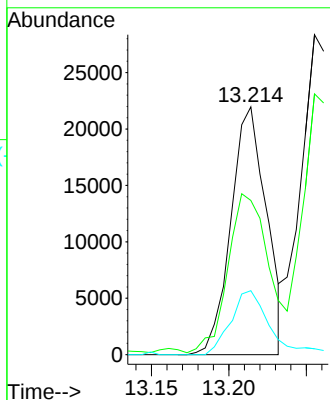
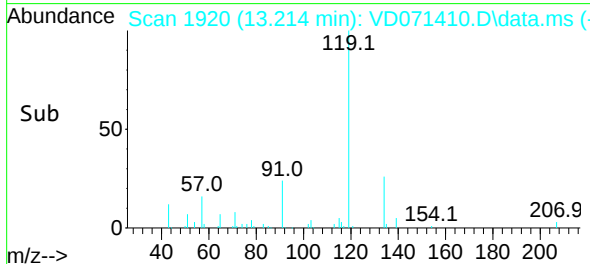
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion:119 Resp: 34989
Ion Ratio Lower Upper
119 100
91 74.6 32.5 97.5
134 28.5 13.2 39.6

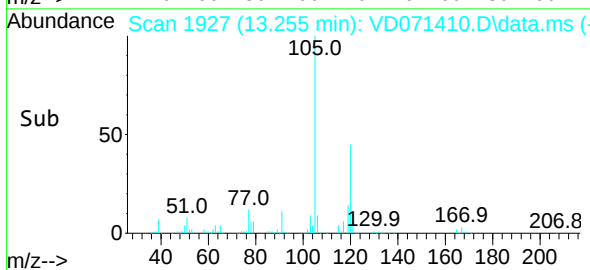
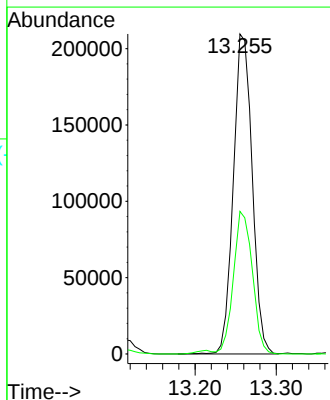
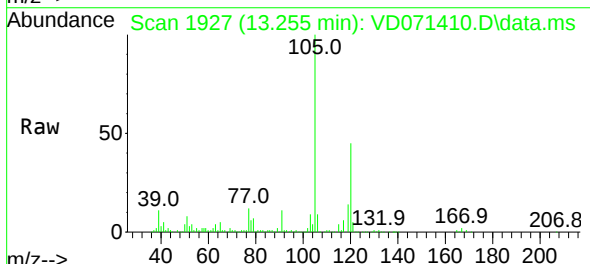
Manual Integrations
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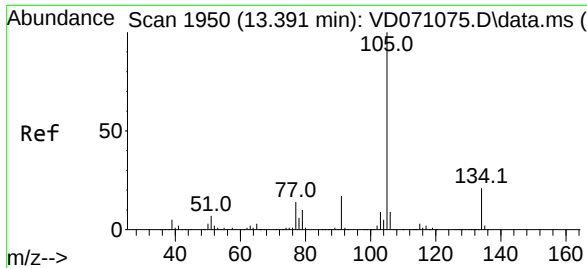
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#84
1,2,4-Trimethylbenzene
Concen: 369.948 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

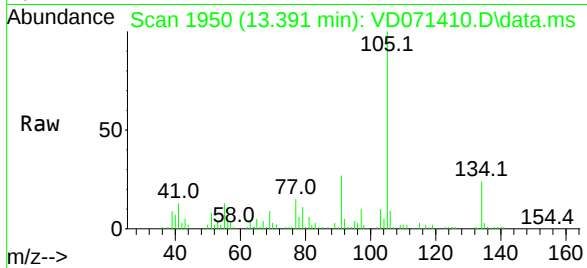
Tgt Ion:105 Resp: 337032
Ion Ratio Lower Upper
105 100
120 44.8 22.9 68.7





#85
 sec-Butylbenzene
 Concen: 65.366 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD071410.D
 Acq: 21 Dec 2021 14:52

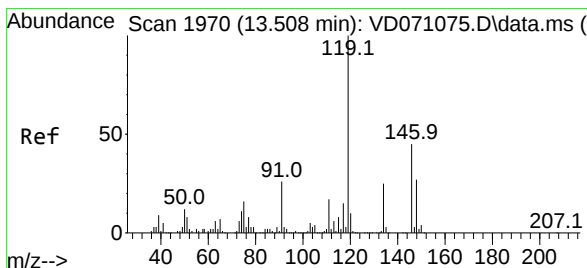
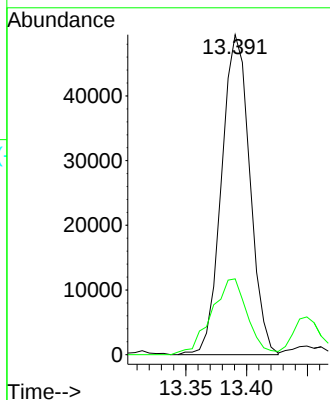
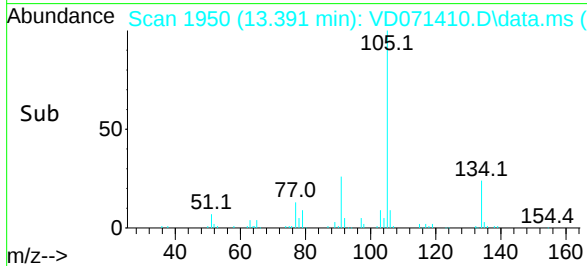
Instrument : MSVOA_D
 ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



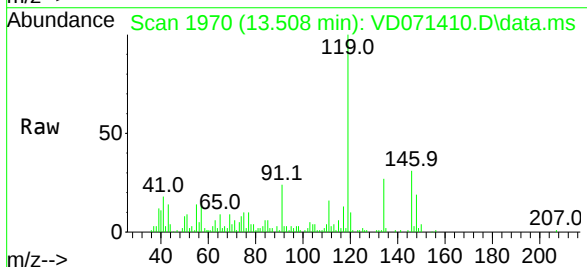
Tgt Ion:105 Resp: 8000
 Ion Ratio Lower Upper
 105 100
 134 30.1 9.7 28.9

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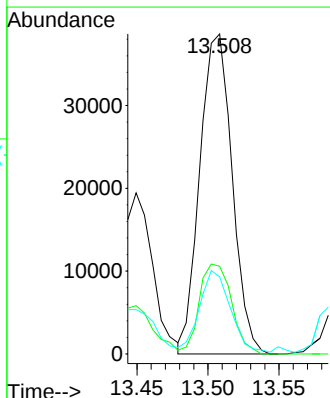
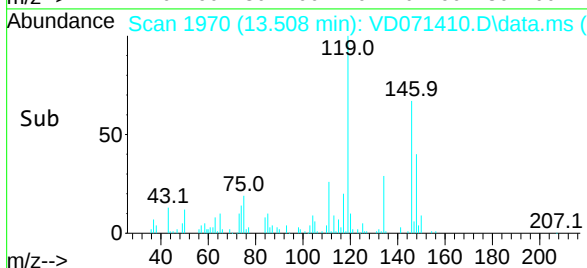
Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

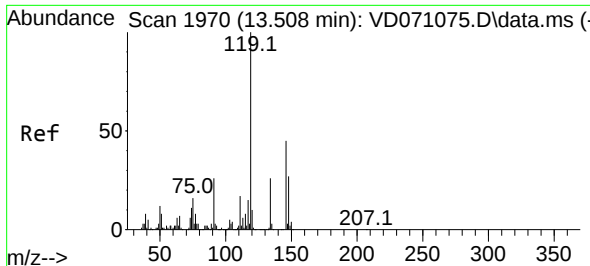


#86
 p-Isopropyltoluene
 Concen: 61.063 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. 0.000 min
 Lab File: VD071410.D
 Acq: 21 Dec 2021 14:52



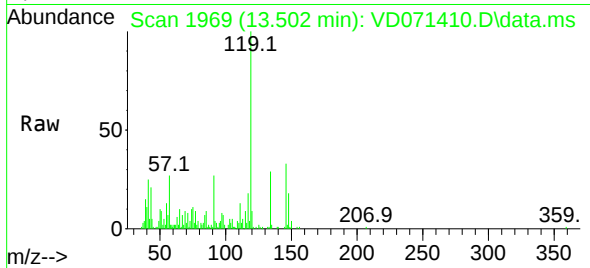
Tgt Ion:119 Resp: 61130
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.0 38.9
 91 24.1 11.4 34.2





#87
1,3-Dichlorobenzene
Concen: 42.010 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

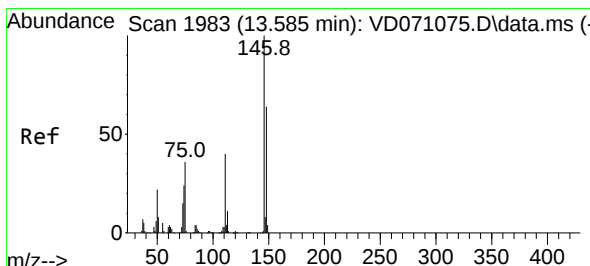
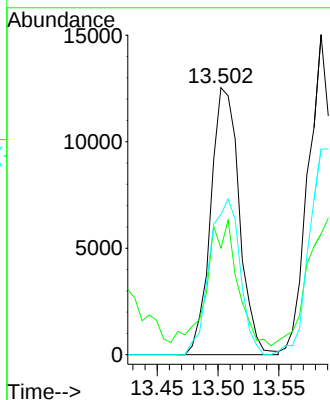
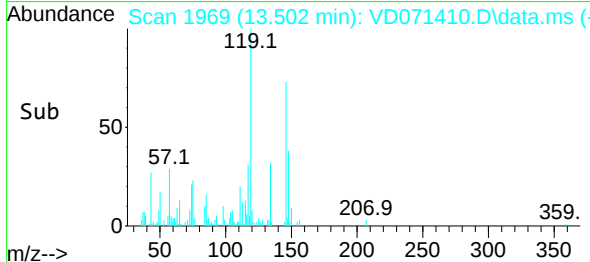
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMSD



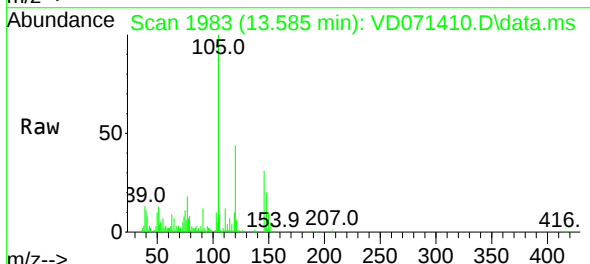
Tgt Ion:146 Resp: 2049
Ion Ratio Lower Upper
146 100
111 49.8 19.8 59.4
148 62.2 32.1 96.3

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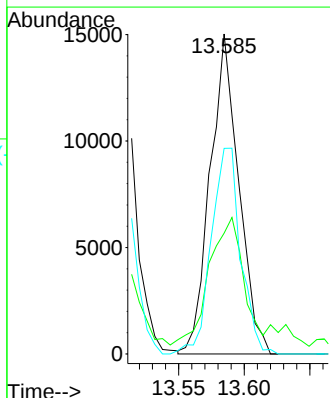
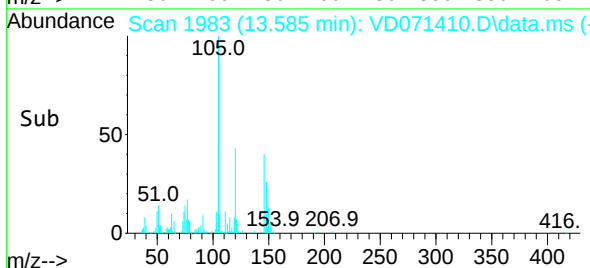
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

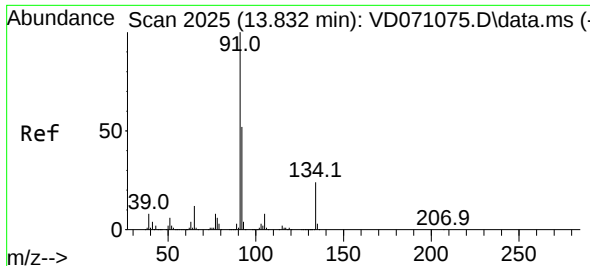


#88
1,4-Dichlorobenzene
Concen: 47.195 ug/l
RT: 13.585 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52



Tgt Ion:146 Resp: 22814
Ion Ratio Lower Upper
146 100
111 47.1 19.6 58.8
148 65.9 31.5 94.5





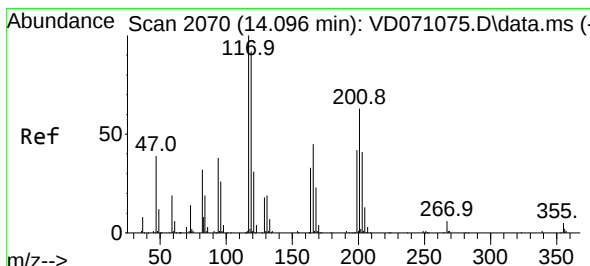
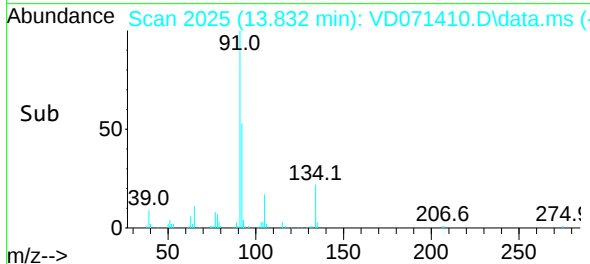
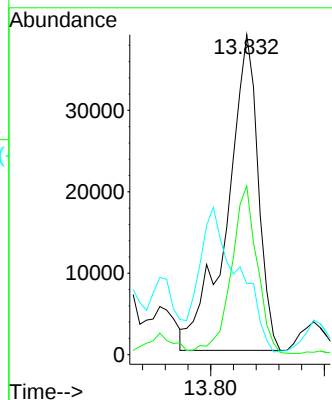
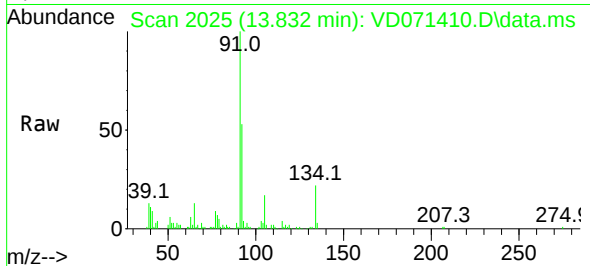
#89
n-Butylbenzene
Concen: 74.920 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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

Tgt Ion: 91 Resp: 73210
Ion Ratio Lower Upper
91 100
92 44.4 27.3 81.9
134 0.0 12.3 36.9

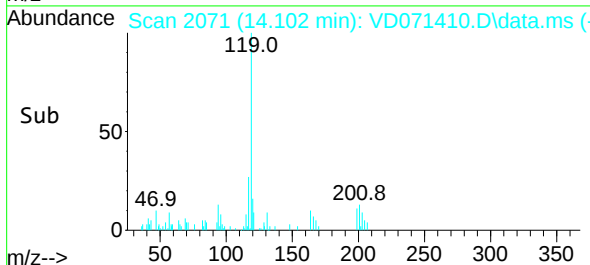
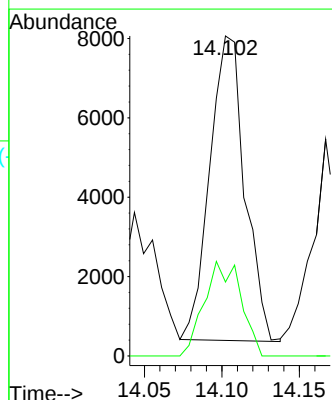
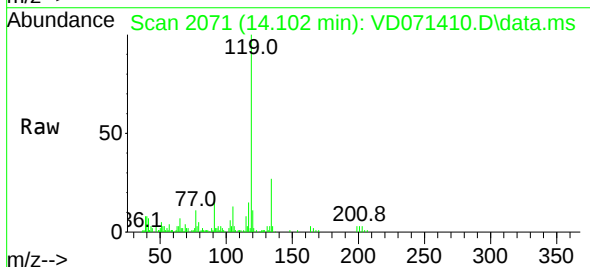
Manual Integrations
APPROVED

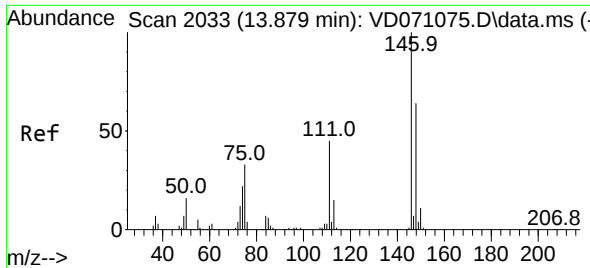
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#90
Hexachloroethane
Concen: 63.650 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

Tgt Ion:117 Resp: 12079
Ion Ratio Lower Upper
117 100
201 32.3 36.0 108.1





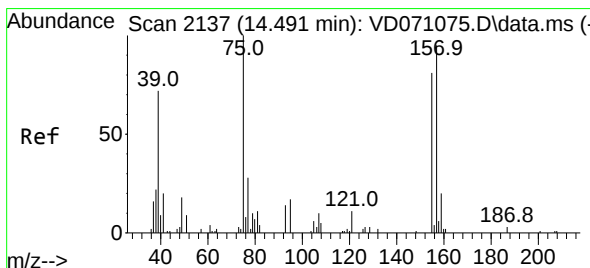
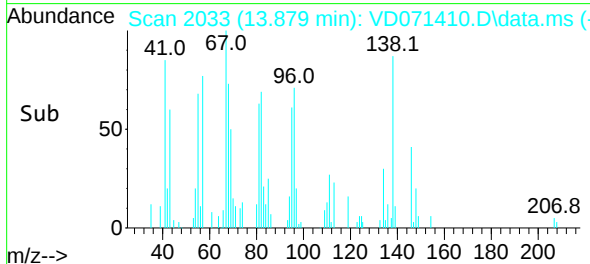
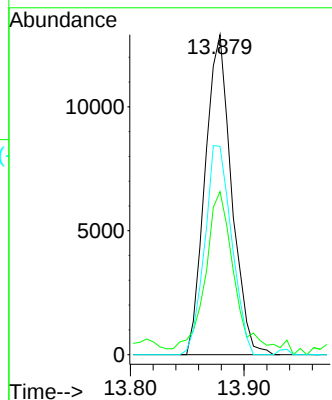
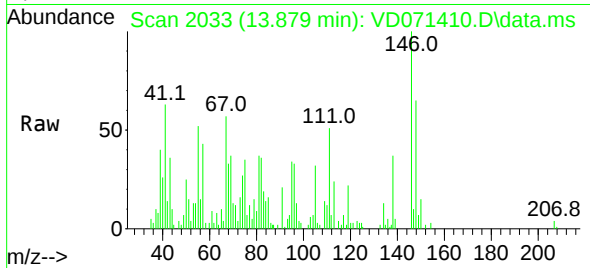
#91
1,2-Dichlorobenzene
Concen: 50.272 ug/l
RT: 13.879 min Scan# 2033
Delta R.T. -0.000 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

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

Tgt Ion:146 Resp: 20859
Ion Ratio Lower Upper
146 100
111 58.1 20.8 62.2
148 66.6 31.7 95.1

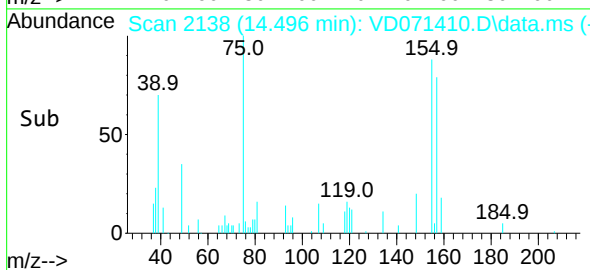
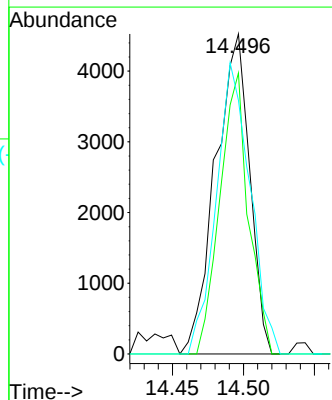
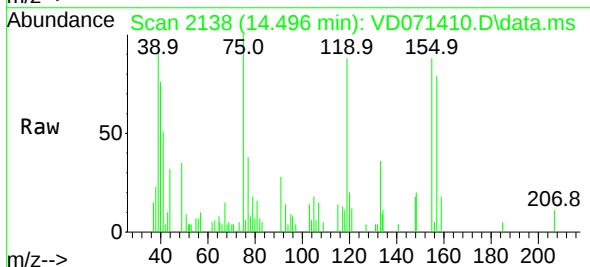
Manual Integrations
APPROVED

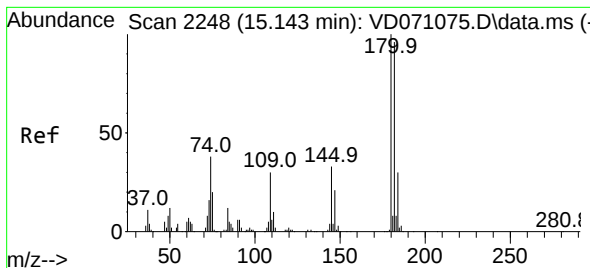
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#92
1,2-Dibromo-3-Chloropropane
Concen: 249.116 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. 0.005 min
Lab File: VD071410.D
Acq: 21 Dec 2021 14:52

Tgt Ion: 75 Resp: 7560
Ion Ratio Lower Upper
75 100
155 73.5 40.0 120.0
157 90.3 49.8 149.3





#93

1,2,4-Trichlorobenzene

Concen: 47.926 ug/l

RT: 15.149 min Scan# 2248

Delta R.T. 0.006 min

Lab File: VD071410.D

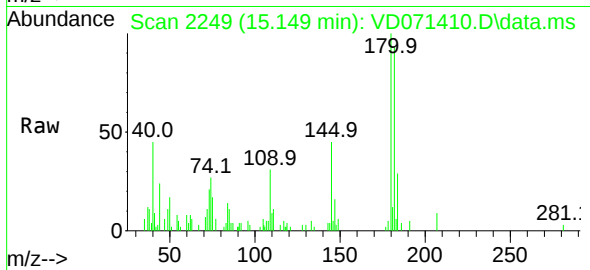
Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion:180 Resp: 12404

Ion Ratio Lower Upper

180 100

182 103.8 48.2 144.6

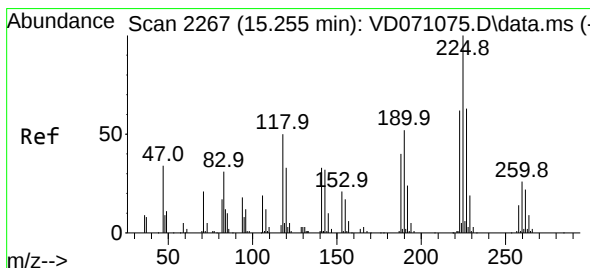
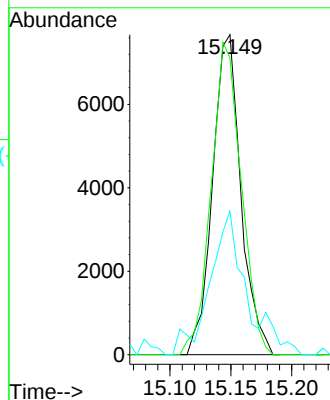
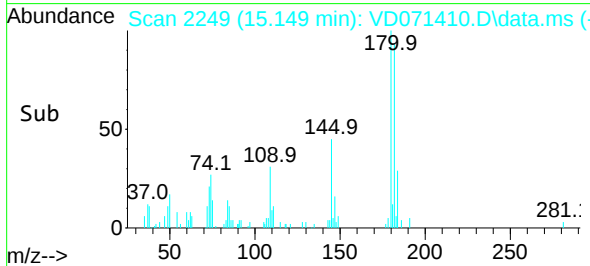
145 50.9 15.4 46.2

Manual Integrations

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#94

Hexachlorobutadiene

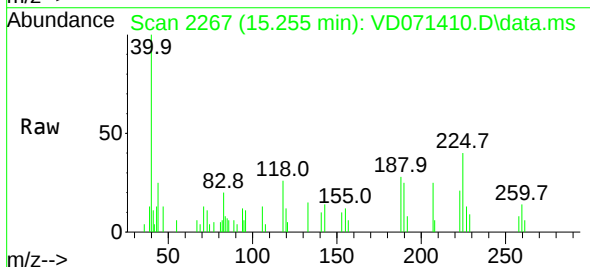
Concen: 16.771 ug/l

RT: 15.255 min Scan# 2267

Delta R.T. 0.000 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52



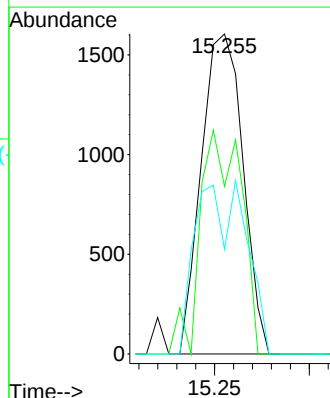
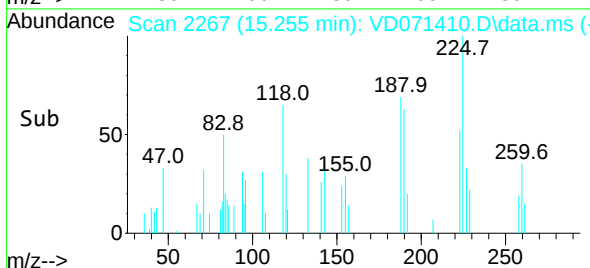
Tgt Ion:225 Resp: 2456

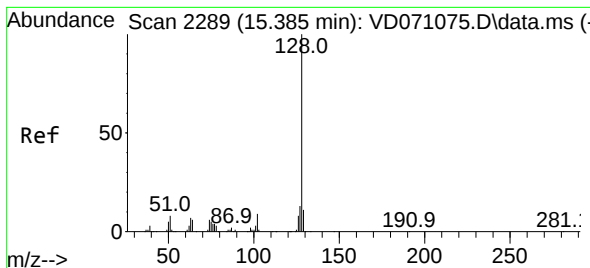
Ion Ratio Lower Upper

225 100

223 69.1 31.8 95.3

227 64.8 31.6 94.8





#95

Naphthalene

Concen: 163.633 ug/l

RT: 15.385 min Scan# 2289

Delta R.T. -0.000 min

Lab File: VD071410.D

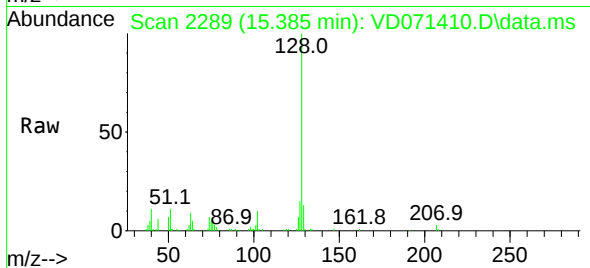
Acq: 21 Dec 2021 14:52

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMSD



Tgt Ion:128 Resp: 74658

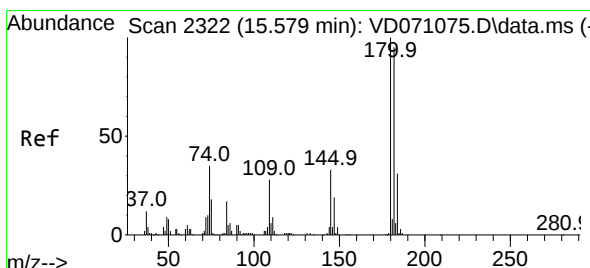
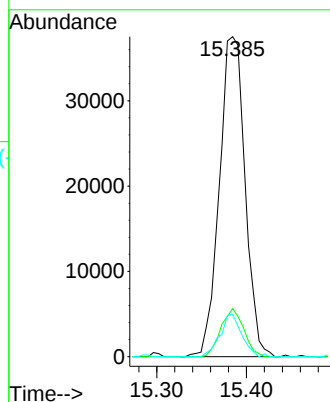
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.3	8.7	13.1

Manual Integrations

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Supervised By :Amit Patel 12/24/2021



#96

1,2,3-Trichlorobenzene

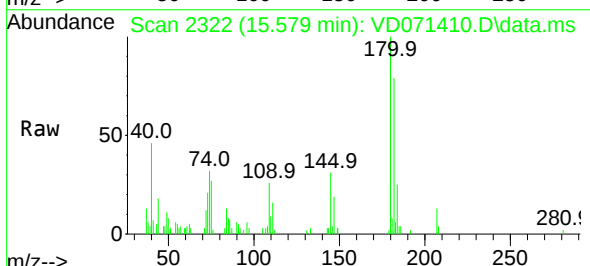
Concen: 61.135 ug/l

RT: 15.579 min Scan# 2322

Delta R.T. -0.000 min

Lab File: VD071410.D

Acq: 21 Dec 2021 14:52



Tgt Ion:180 Resp: 13439

Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.7	140.1
145	38.1	15.9	47.6

