

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071407.D
 Acq On : 21 Dec 2021 13:29
 Operator : VA/SY
 Sample : M5179-01
 Misc : 6.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Dec 21 19:05:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

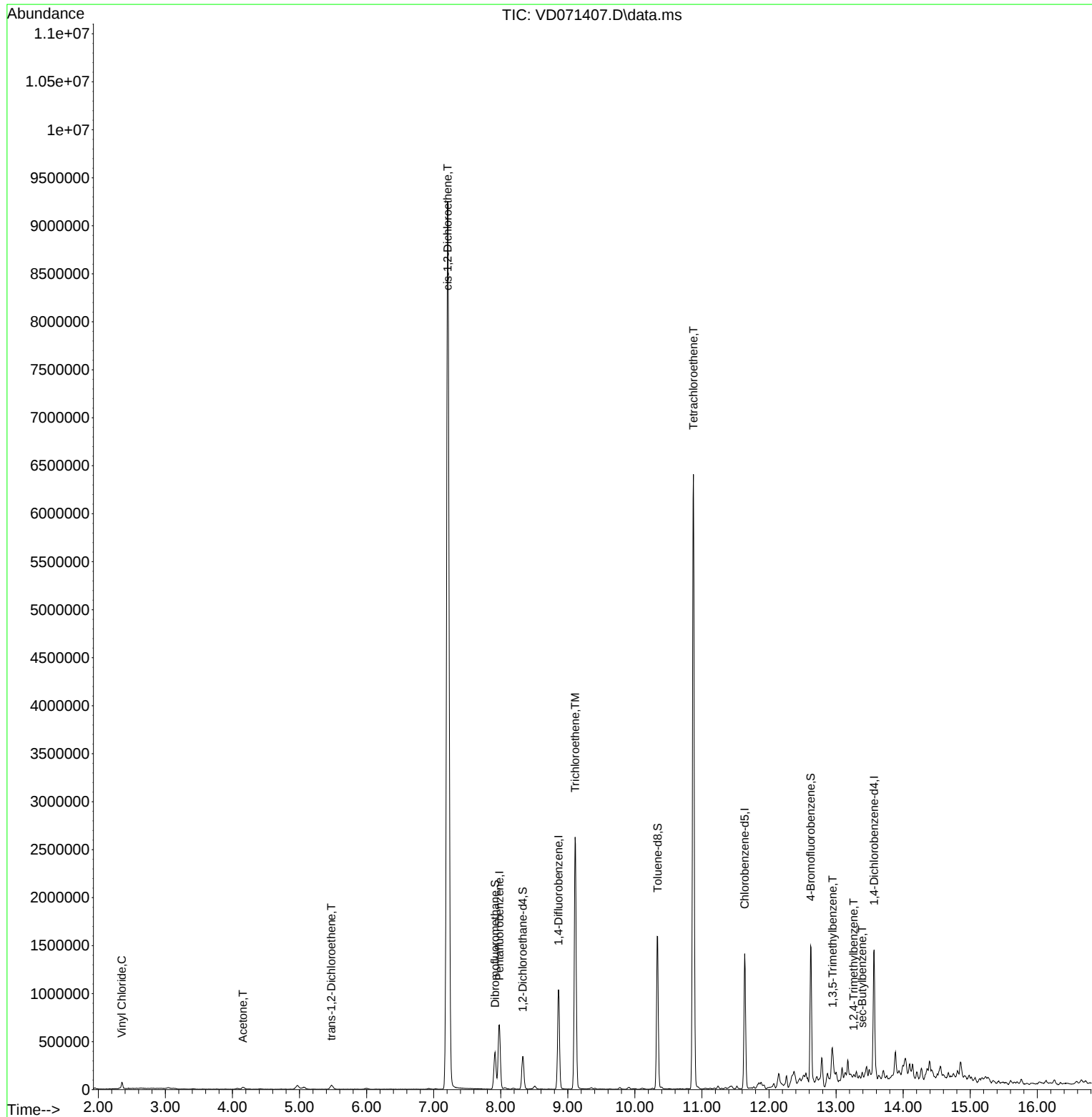
Internal Standards						
1) Pentafluorobenzene	7.979	168	486493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	831892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	734994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	331732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	273817	47.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.940%
35) Dibromofluoromethane	7.914	113	263100	49.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.340%
50) Toluene-d8	10.338	98	1046324	51.903	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.800%
62) 4-Bromofluorobenzene	12.620	95	349829	50.062	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.120%
Target Compounds						
4) Vinyl Chloride	2.350	62	51787	8.457	ug/l	94
16) Acetone	4.156	43	38204	52.895	ug/l #	78
21) trans-1,2-Dichloroethene	5.473	96	20836	4.098	ug/l #	89
27) cis-1,2-Dichloroethene	7.209	96	5320210	925.009	ug/l	96
44) Trichloroethene	9.108	130	877147	155.771	ug/l	94
64) Tetrachloroethene	10.873	164	1352208	289.794	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	28085	1.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	26349	1.363	ug/l	95
85) sec-Butylbenzene	13.391	105	26400	1.016	ug/l #	77

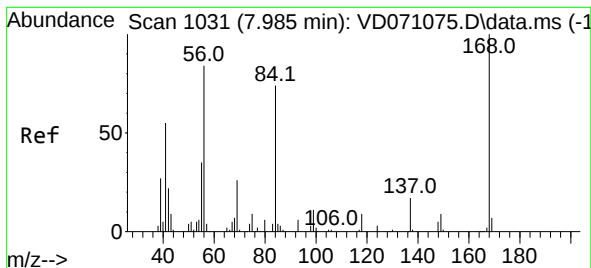
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 19:05:55 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

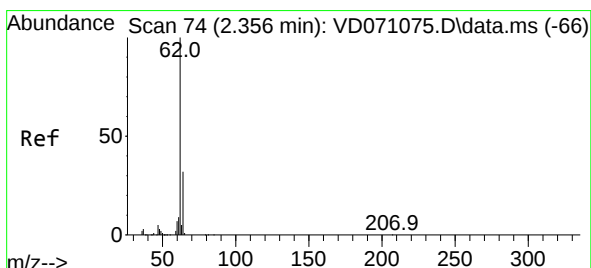
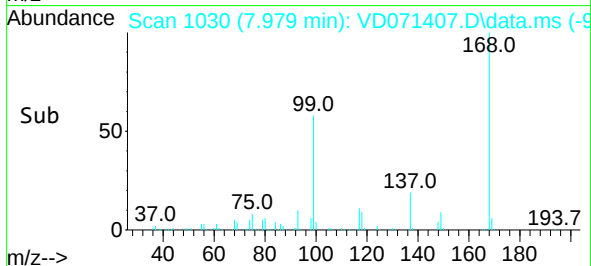
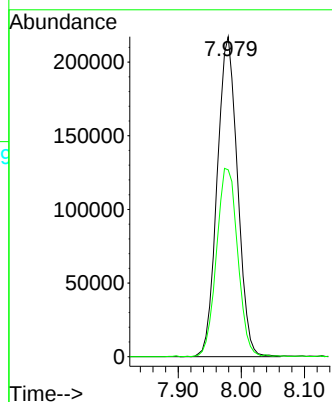
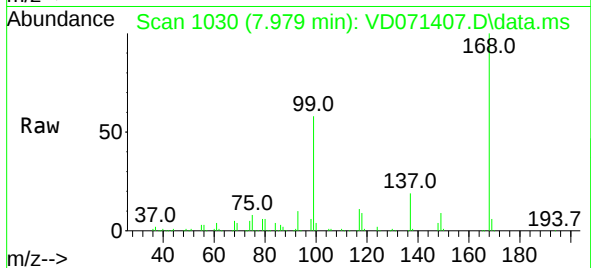




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

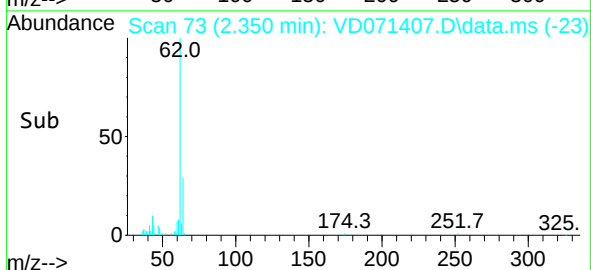
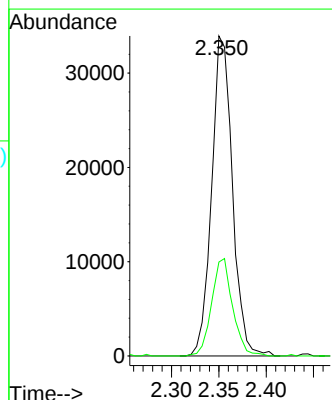
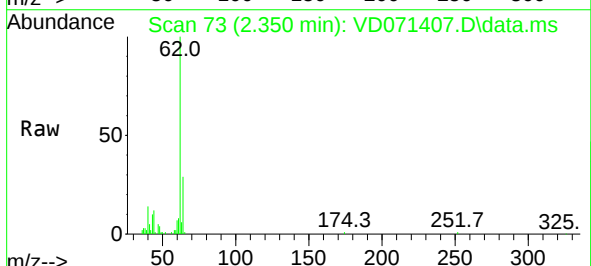
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-WEST

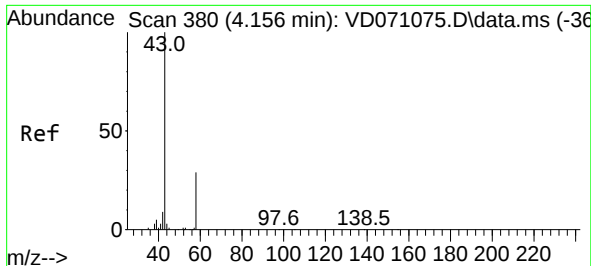
Tgt Ion:168 Resp: 486493
Ion Ratio Lower Upper
168 100
99 58.4 46.6 69.8



#4
Vinyl Chloride
Concen: 8.457 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion: 62 Resp: 51787
Ion Ratio Lower Upper
62 100
64 29.4 26.0 39.0

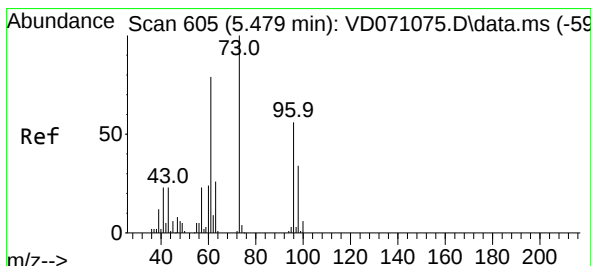
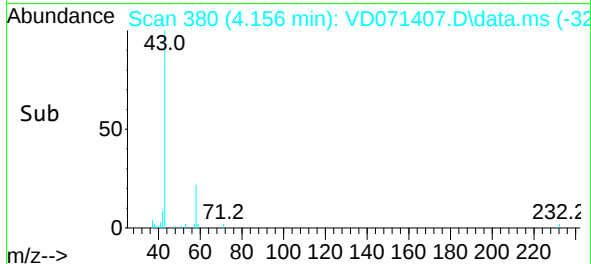
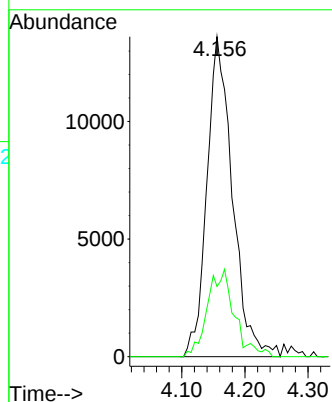
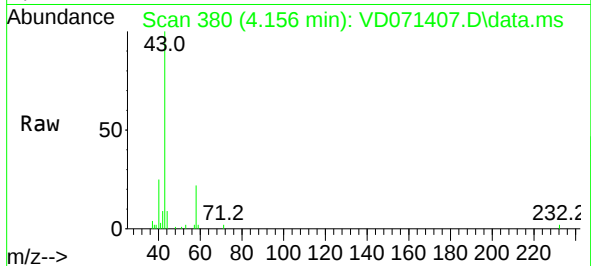




#16
Acetone
Concen: 52.895 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

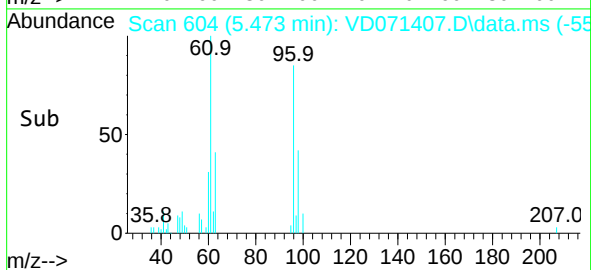
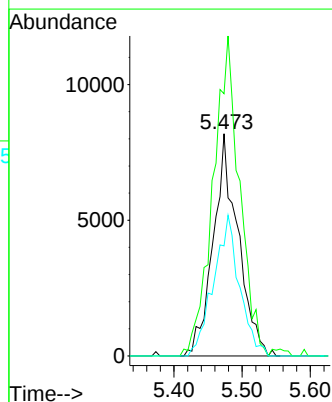
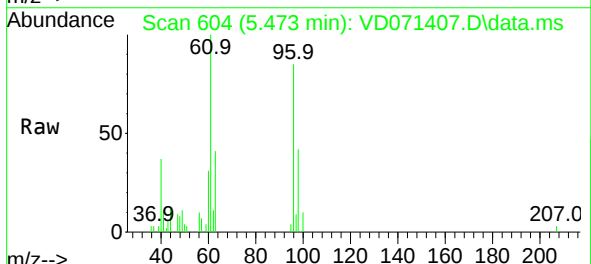
Instrument : MSVOA_D
ClientSampleId : POST-EXCAVATION-BOTTOM-WEST

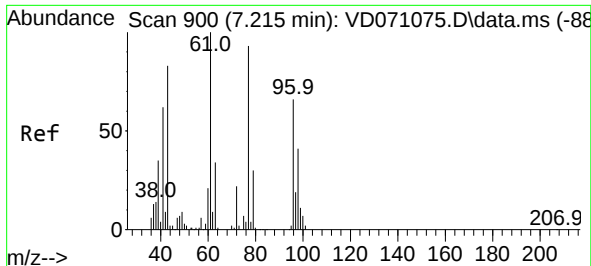
Tgt Ion: 43 Resp: 38204
Ion Ratio Lower Upper
43 100
58 21.9 27.8 41.8#



#21
trans-1,2-Dichloroethene
Concen: 4.098 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion: 96 Resp: 20836
Ion Ratio Lower Upper
96 100
61 118.0 102.1 153.1
98 49.6 50.1 75.1#



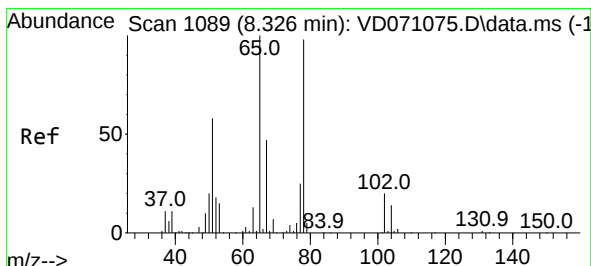
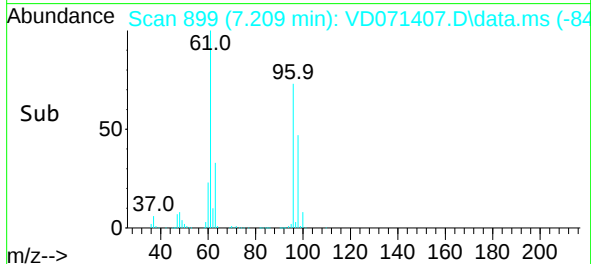
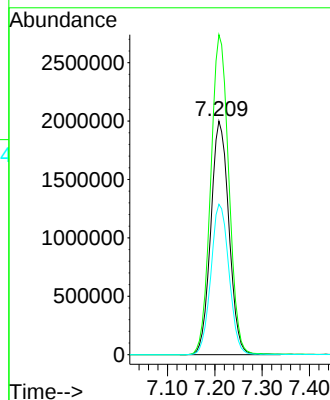
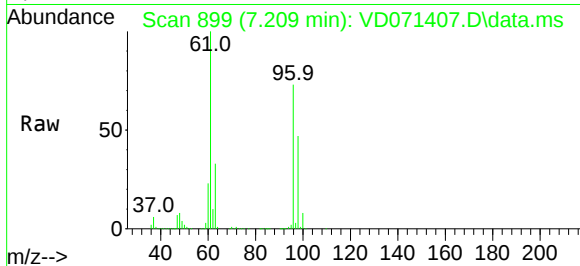


#27
 cis-1,2-Dichloroethene
 Concen: 925.009 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD071407.D
 Acq: 21 Dec 2021 13:29

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

Tgt Ion: 96 Resp: 5320210

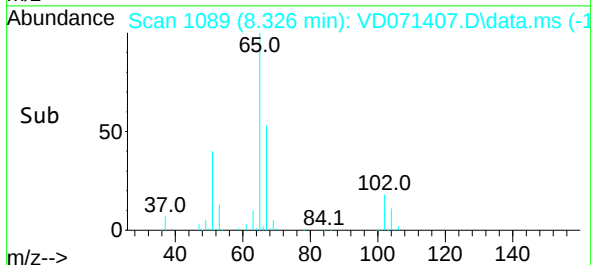
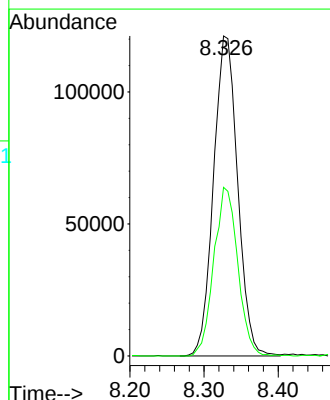
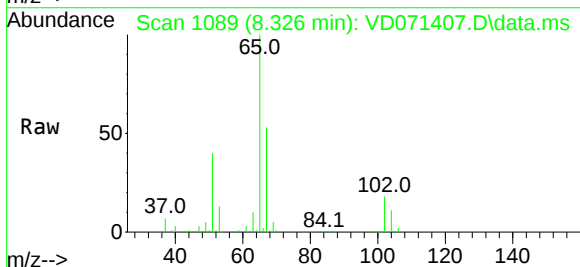
Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	288.6
98	64.5	0.0	129.2

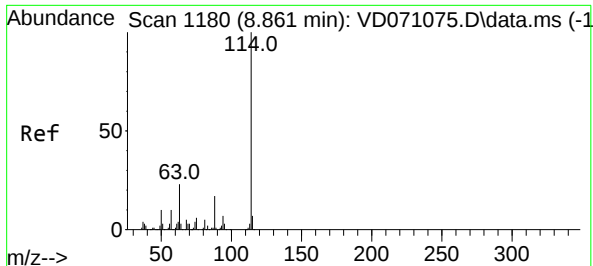


#33
 1,2-Dichloroethane-d4
 Concen: 47.967 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: VD071407.D
 Acq: 21 Dec 2021 13:29

Tgt Ion: 65 Resp: 273817

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071407.D

Acq: 21 Dec 2021 13:29

Instrument :

MSVOA_D

ClientSampleId :

POST-EXCAVATION-BOTTOM-WEST

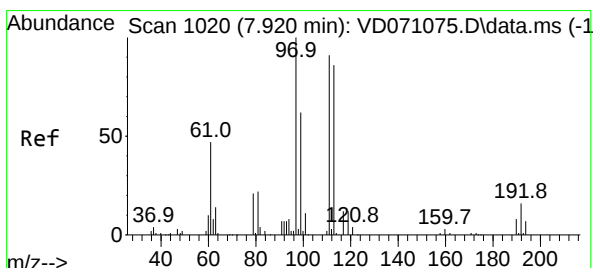
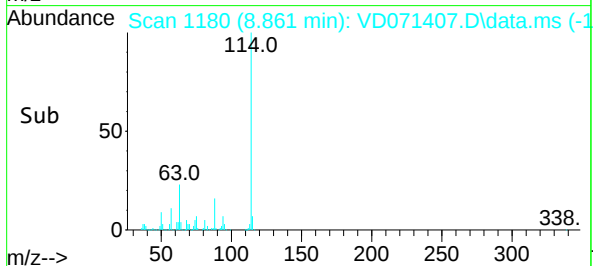
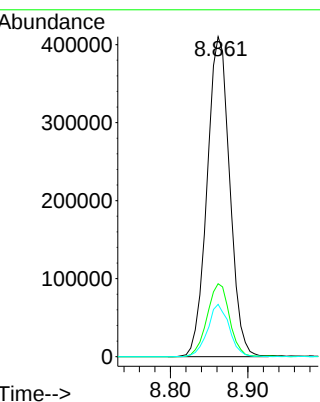
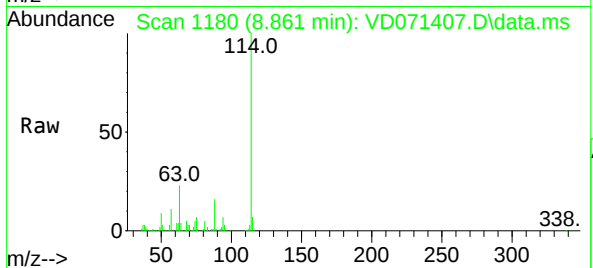
Tgt Ion:114 Resp: 831892

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.666 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071407.D

Acq: 21 Dec 2021 13:29

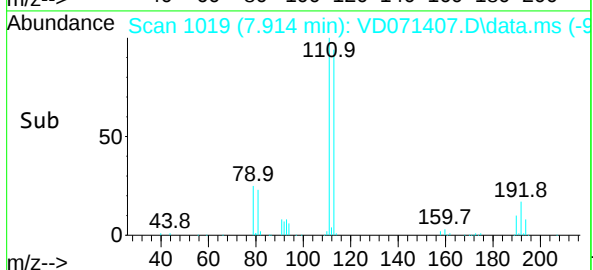
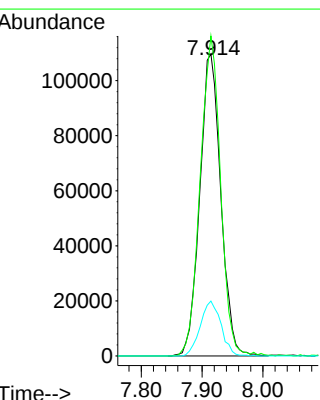
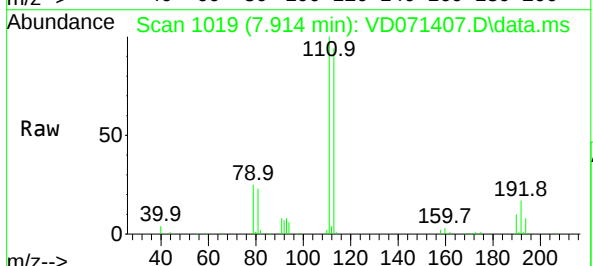
Tgt Ion:113 Resp: 263100

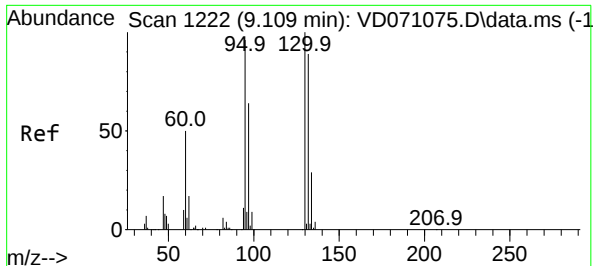
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 17.9 15.2 22.8





#44

Trichloroethene

Concen: 155.771 ug/l

RT: 9.108 min Scan# 11

Delta R.T. -0.001 min

Lab File: VD071407.D

Acq: 21 Dec 2021 13:29

Instrument :

MSVOA_D

ClientSampleId :

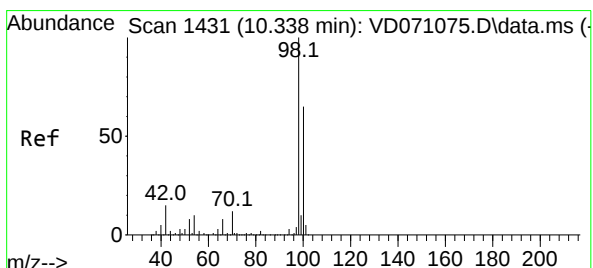
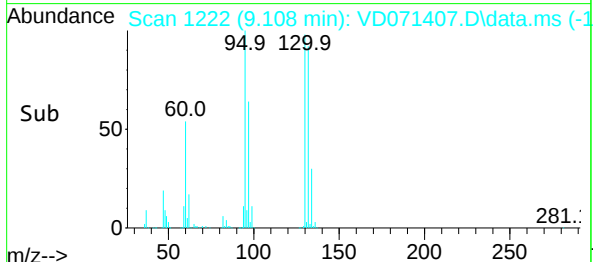
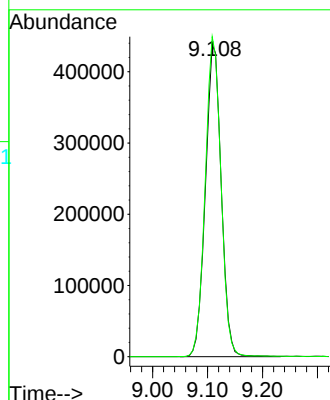
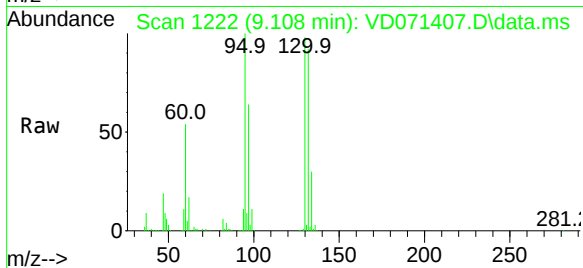
POST-EXCAVATION-BOTTOM-WEST

Tgt Ion:130 Resp: 877147

Ion Ratio Lower Upper

130 100

95 102.4 0.0 193.2



#50

Toluene-d8

Concen: 51.903 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071407.D

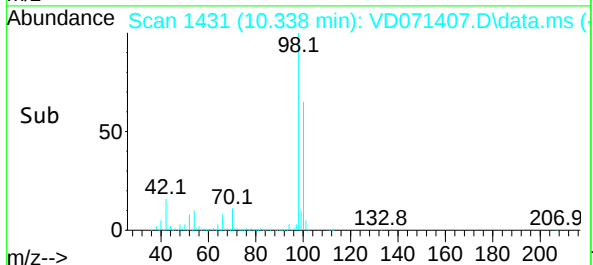
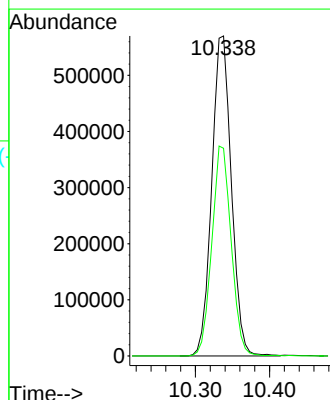
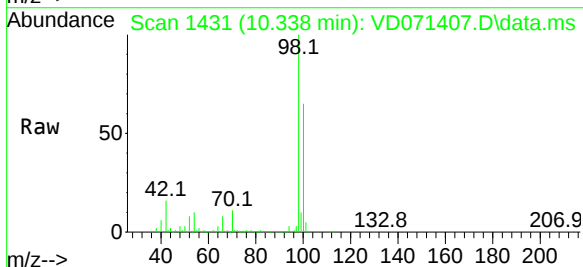
Acq: 21 Dec 2021 13:29

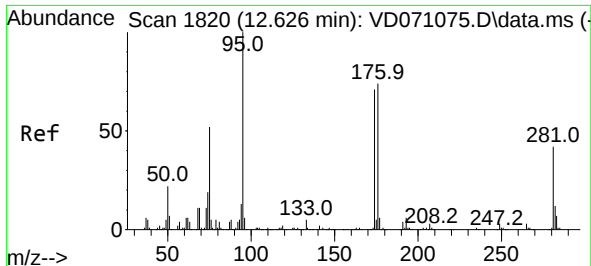
Tgt Ion: 98 Resp: 1046324

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6

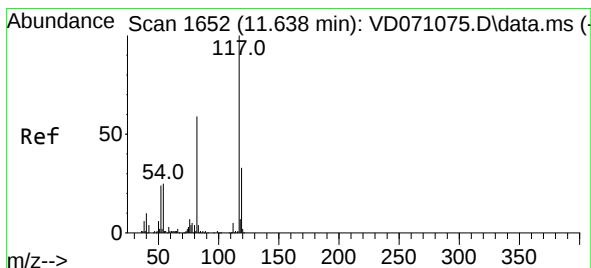
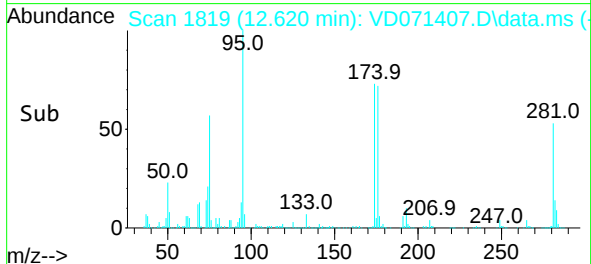
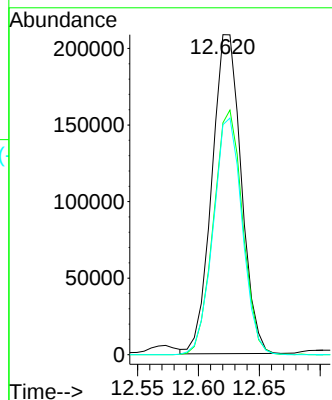
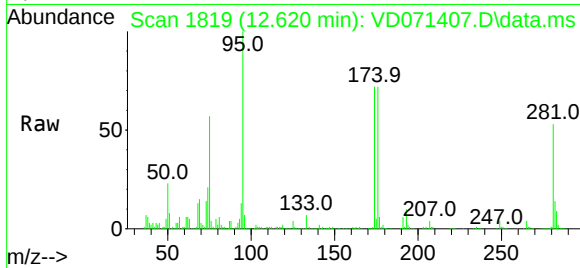




#62
4-Bromofluorobenzene
Concen: 50.062 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

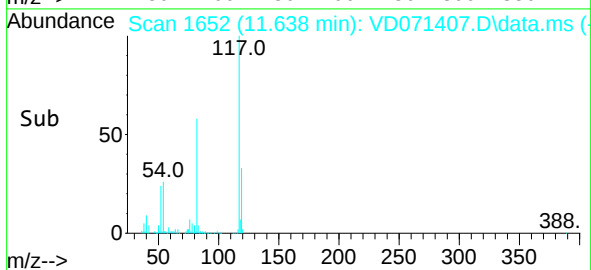
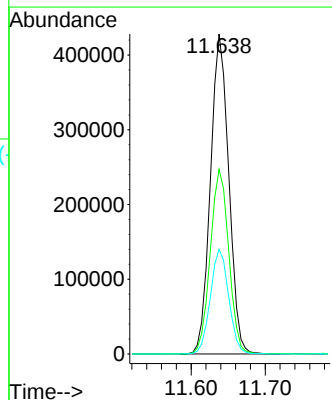
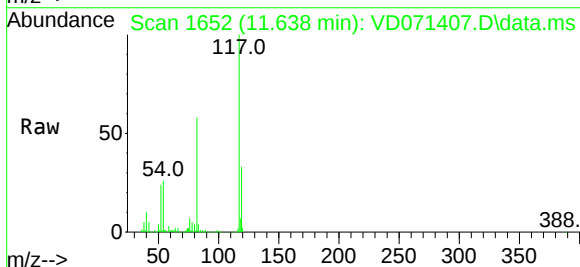
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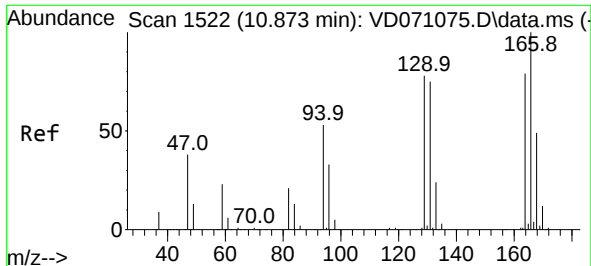
Tgt Ion: 95 Resp: 349829
Ion Ratio Lower Upper
95 100
174 75.9 0.0 159.4
176 73.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion: 117 Resp: 734994
Ion Ratio Lower Upper
117 100
82 57.7 44.7 67.1
119 32.7 26.2 39.4

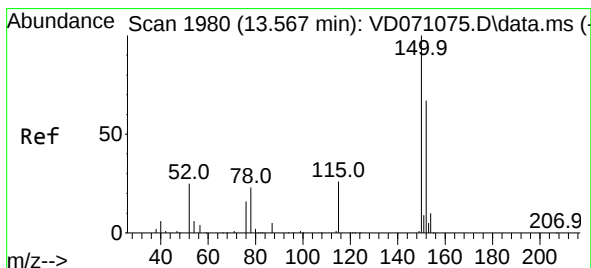
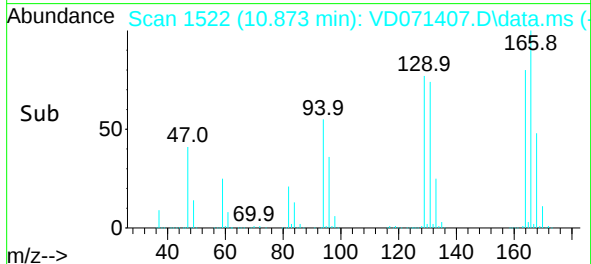
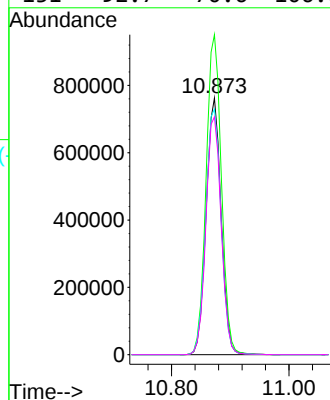
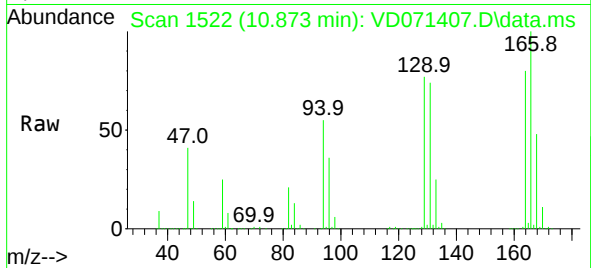




#64
Tetrachloroethene
Concen: 289.794 ug/l
RT: 10.873 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

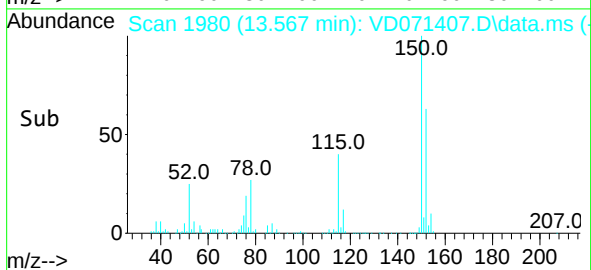
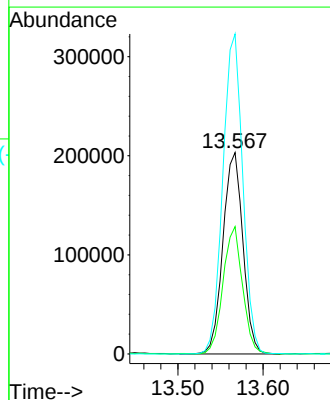
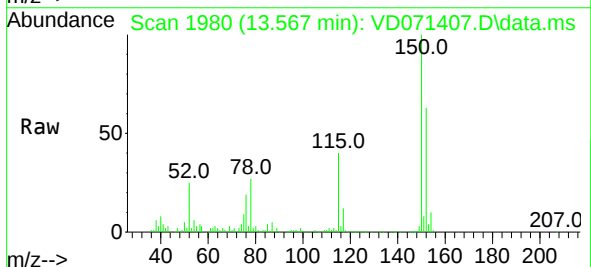
Instrument :
MSVOA_D
ClientSampleId :
POST-EXCAVATION-BOTTOM-WEST

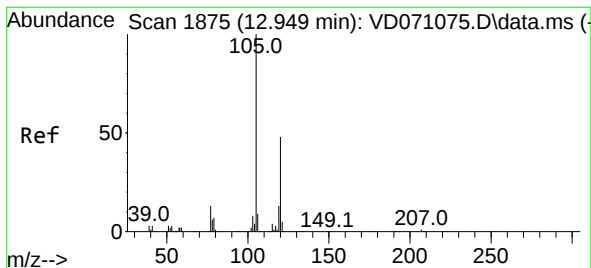
Tgt Ion:164 Resp: 1352208
Ion Ratio Lower Upper
164 100
166 124.7 102.6 153.8
129 95.7 75.4 113.0
131 92.7 70.6 106.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion:152 Resp: 331732
Ion Ratio Lower Upper
152 100
115 61.7 29.8 89.3
150 158.3 0.0 349.2





#80

1,3,5-Trimethylbenzene

Concen: 1.418 ug/l

RT: 12.949 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VD071407.D

Acq: 21 Dec 2021 13:29

Instrument :

MSVOA_D

ClientSampleId :

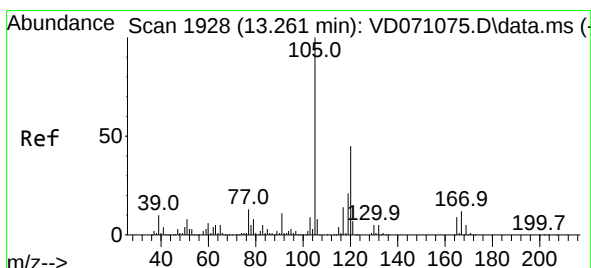
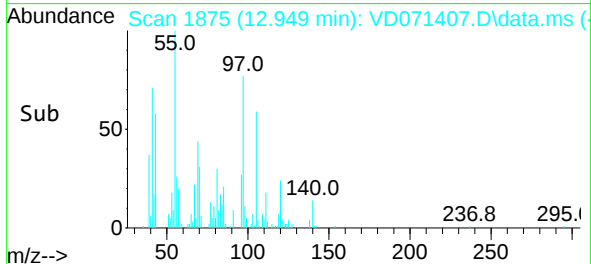
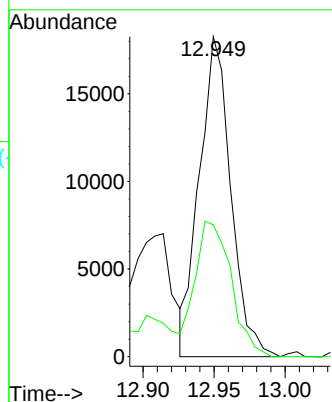
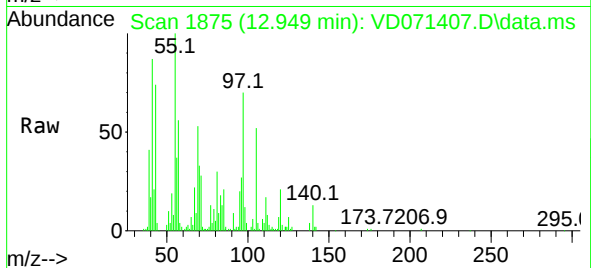
POST-EXCAVATION-BOTTOM-WEST

Tgt Ion:105 Resp: 28085

Ion Ratio Lower Upper

105 100

120 48.6 24.6 73.8



#84

1,2,4-Trimethylbenzene

Concen: 1.363 ug/l

RT: 13.261 min Scan# 1928

Delta R.T. 0.000 min

Lab File: VD071407.D

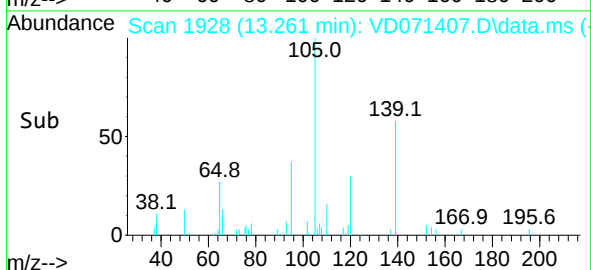
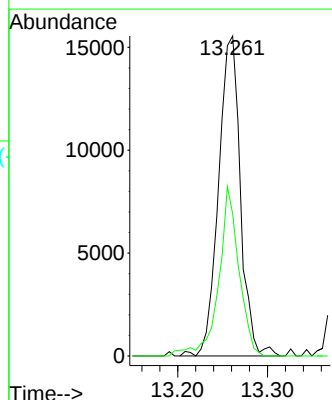
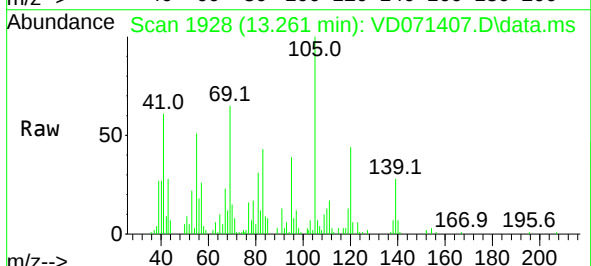
Acq: 21 Dec 2021 13:29

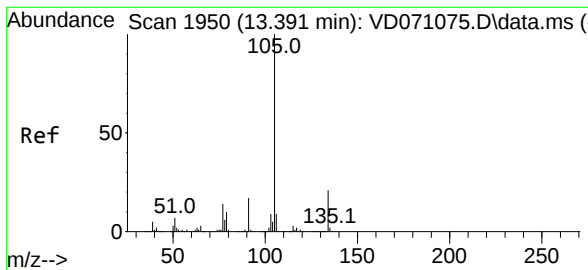
Tgt Ion:105 Resp: 26349

Ion Ratio Lower Upper

105 100

120 48.8 22.9 68.7





#85
 sec-Butylbenzene
 Concen: 1.016 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD071407.D
 Acq: 21 Dec 2021 13:29

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

Tgt Ion:105 Resp: 26400
 Ion Ratio Lower Upper
 105 100
 134 29.9 9.7 28.9#

