

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102022\
 Data File : VX032265.D
 Acq On : 20 Oct 2022 16:07
 Operator : JC/MD
 Sample : N5181-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PIT-14-EXCAVATION-WATER

Quant Time: Oct 21 01:26:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

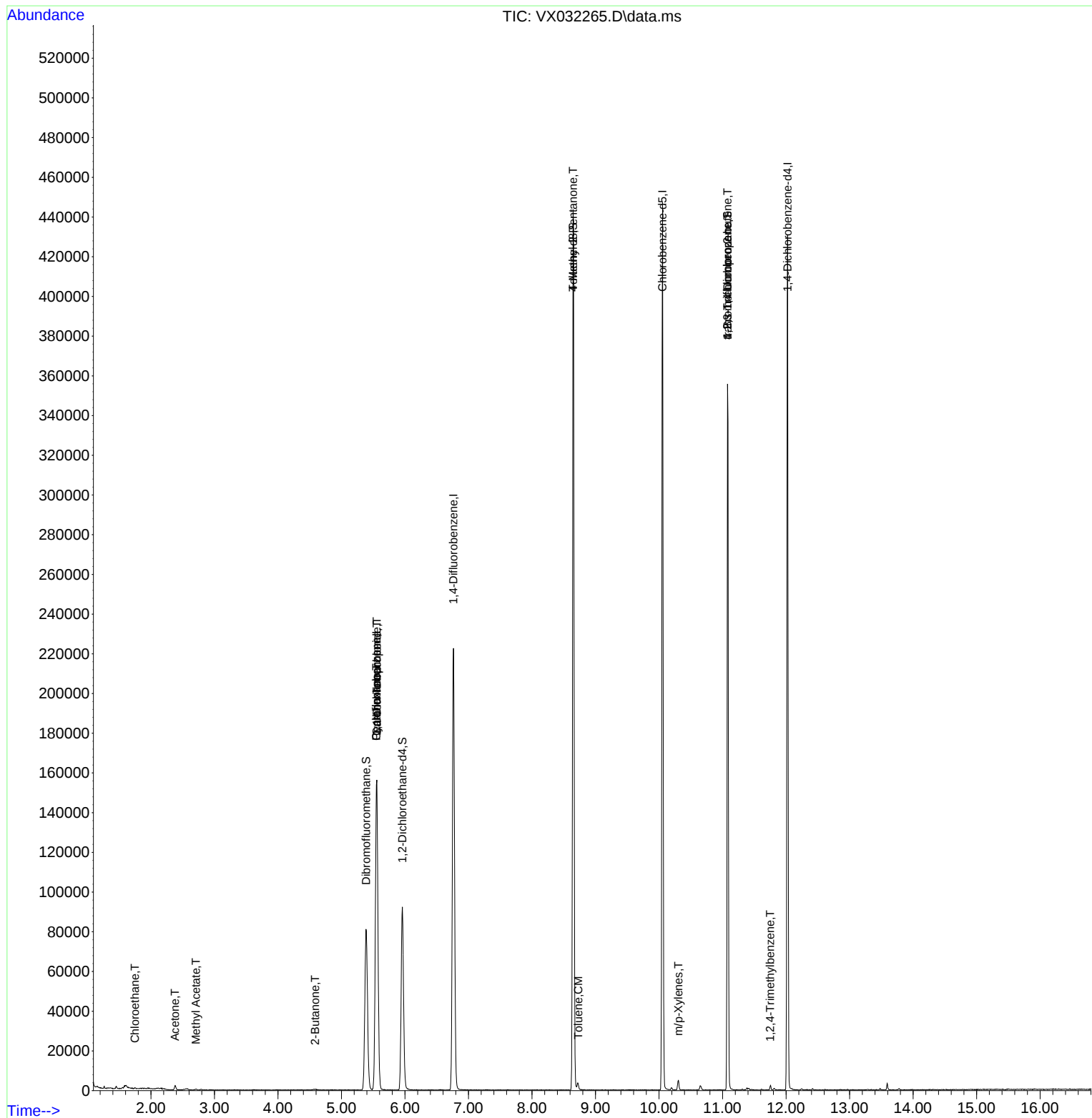
Internal Standards						
1) Pentafluorobenzene	5.550	168	147165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223907	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90979	47.522	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.040%
35) Dibromofluoromethane	5.385	113	70776	45.425	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.840%
50) Toluene-d8	8.647	98	264827	47.218	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.440%
62) 4-Bromofluorobenzene	11.079	95	92143	44.865	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.720%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	64	Below Cal	#	44
6) Chloroethane	1.745	64	24	1.969	ug/l #	41
11) Tert butyl alcohol	2.953	59	70	Below Cal	#	74
16) Acetone	2.380	43	2541	4.090	ug/l	96
18) Methyl Acetate	2.709	43	627	0.297	ug/l #	81
25) 2-Butanone	4.586	43	237	0.244	ug/l #	48
31) Cyclohexane	5.550	56	3146	1.437	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	12154	6.064	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15358	7.259	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1164	0.603	ug/l #	1
52) Toluene	8.726	92	1342	0.357	ug/l	95
68) m/p-Xylenes	10.305	106	1288	0.471	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	50640	29.186	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	50640	89.389	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	1267	0.241	ug/l	95

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

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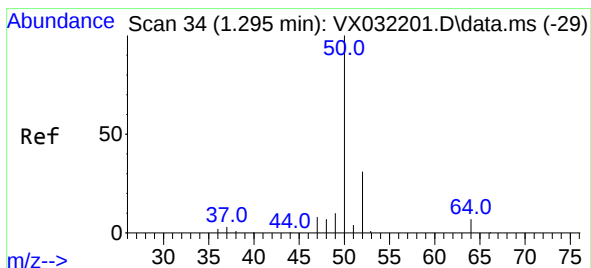
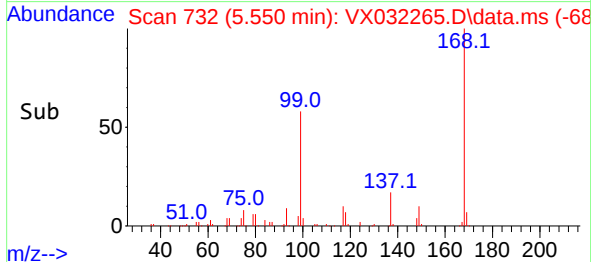
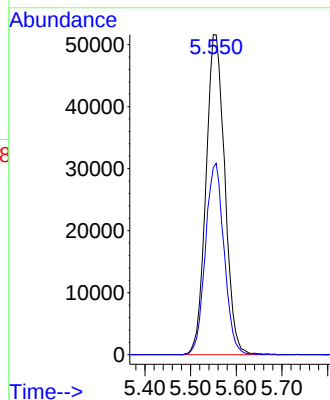
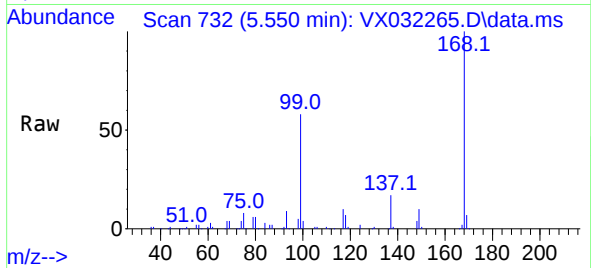




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

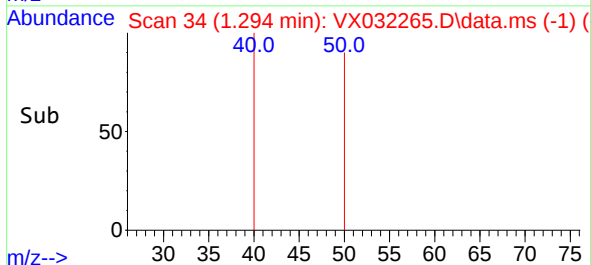
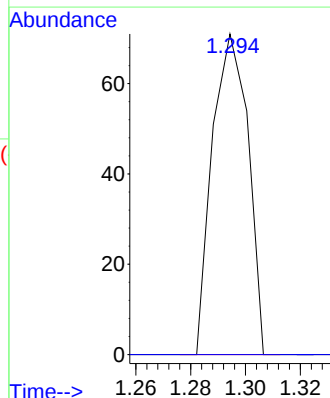
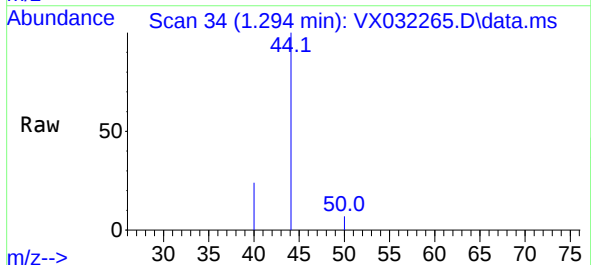
Instrument : MSVOA_X
ClientSampleId : PIT-14-EXCAVATION-WATER

Tgt Ion:168 Resp: 147165
Ion Ratio Lower Upper
168 100
99 58.5 44.8 67.2

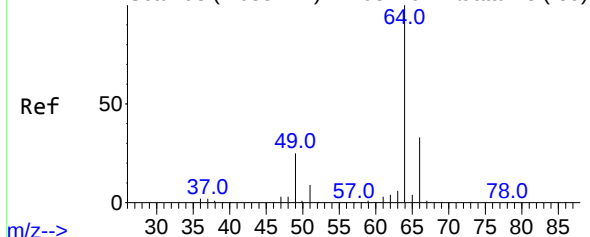


#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

Tgt Ion: 50 Resp: 64
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

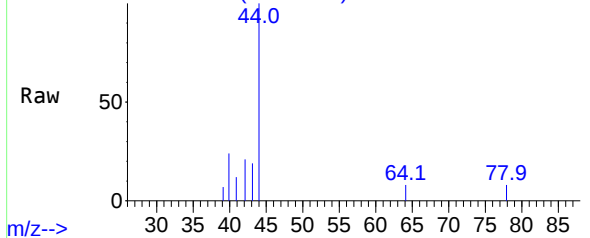


Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



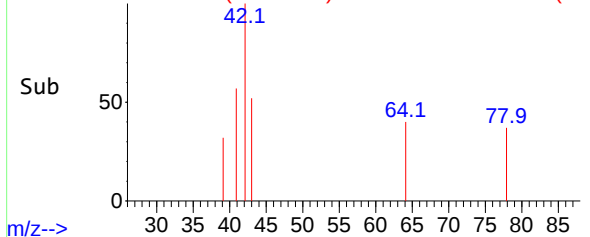
m/z-->

Abundance Scan 108 (1.745 min): VX032265.D\data.ms



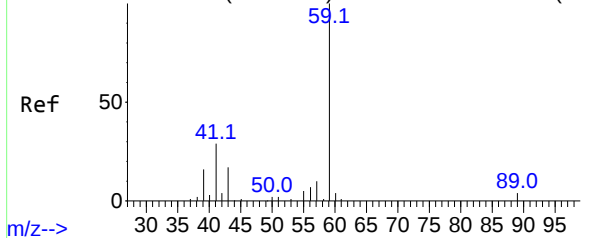
m/z-->

Abundance Scan 108 (1.745 min): VX032265.D\data.ms (-49)



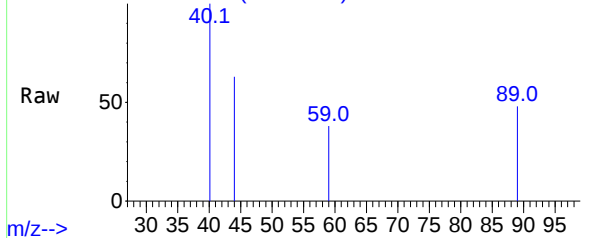
m/z-->

Abundance Scan 310 (2.977 min): VX032201.D\data.ms (-29)



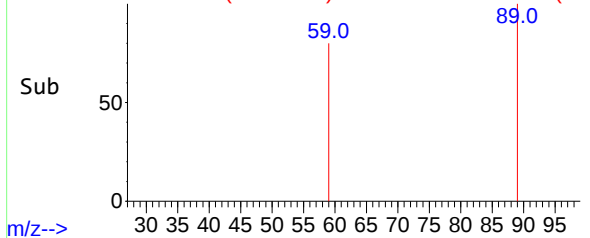
m/z-->

Abundance Scan 306 (2.953 min): VX032265.D\data.ms



m/z-->

Abundance Scan 306 (2.953 min): VX032265.D\data.ms (-26)



m/z-->

#6

Chloroethane

Concen: 1.969 ug/l

RT: 1.745 min Scan# 10

Delta R.T. 0.060 min

Lab File: VX032265.D

Acq: 20 Oct 2022 16:07

Instrument :

MSVOA_X

ClientSampleId :

PIT-14-EXCAVATION-WATER

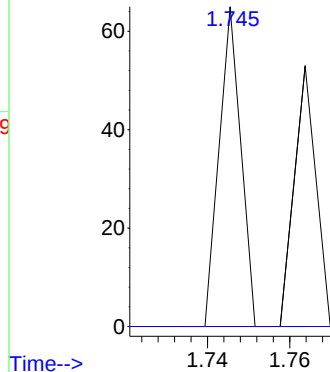
Tgt Ion: 64 Resp: 24

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#

Abundance



Time-->

#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX032265.D

Acq: 20 Oct 2022 16:07

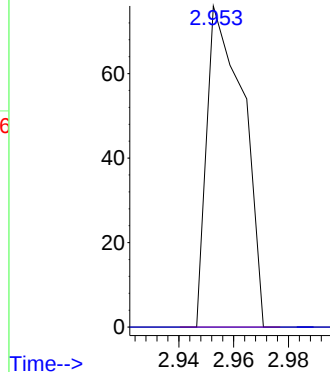
Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

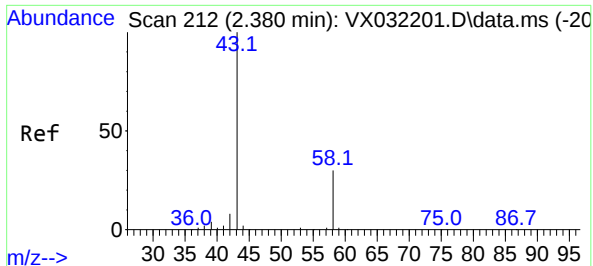
59 100

57 0.0 7.5 11.3#

Abundance



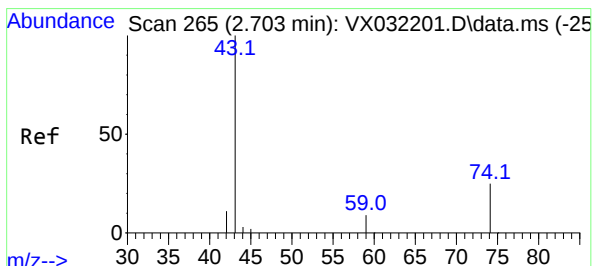
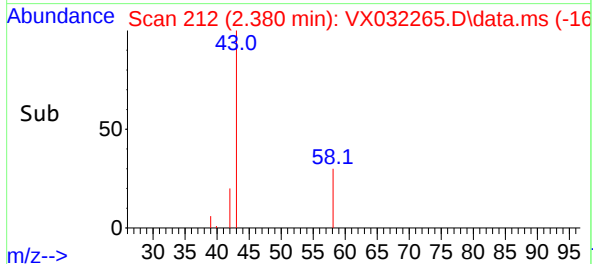
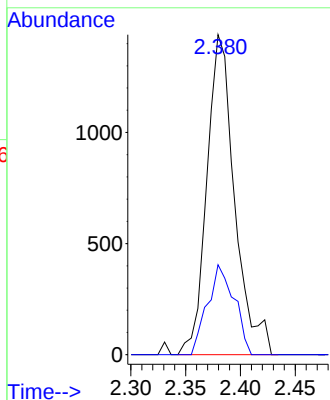
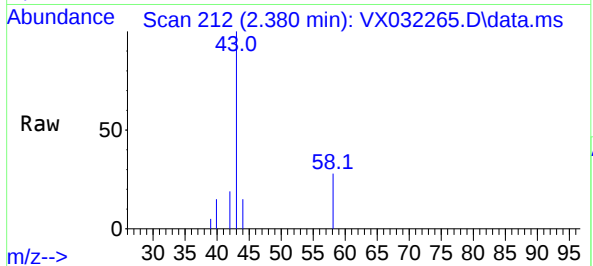
Time-->



#16
Acetone
Concen: 4.090 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

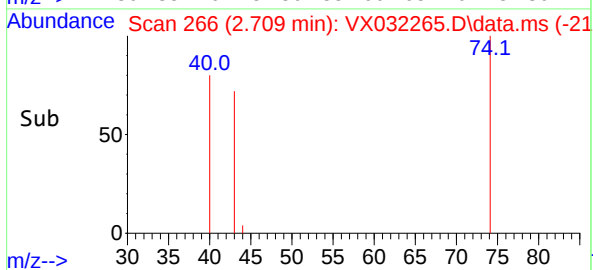
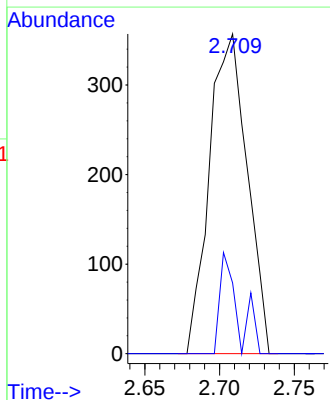
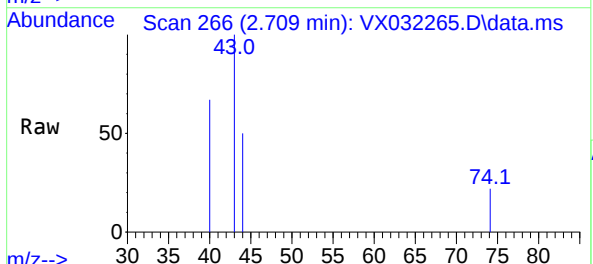
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PIT-14-EXCAVATION-WATER

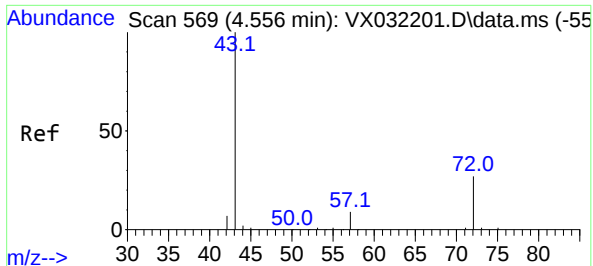
Tgt Ion: 43 Resp: 2541
Ion Ratio Lower Upper
43 100
58 28.1 24.2 36.2



#18
Methyl Acetate
Concen: 0.297 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

Tgt Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
74 15.2 19.8 29.8#

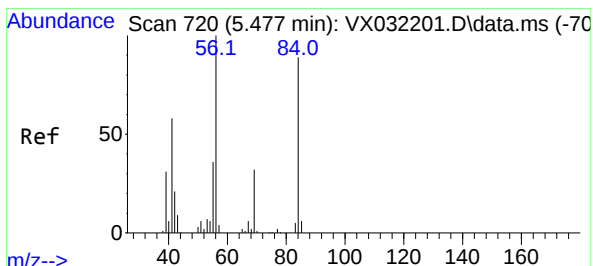
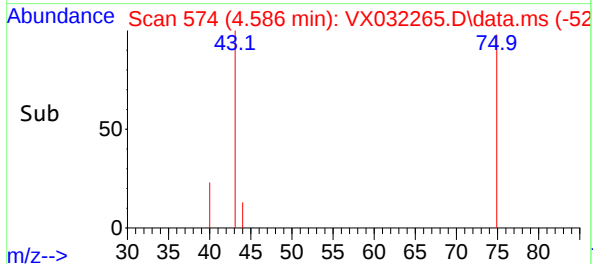
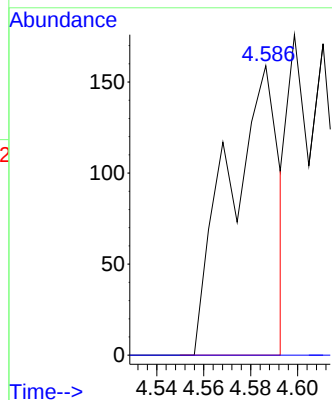
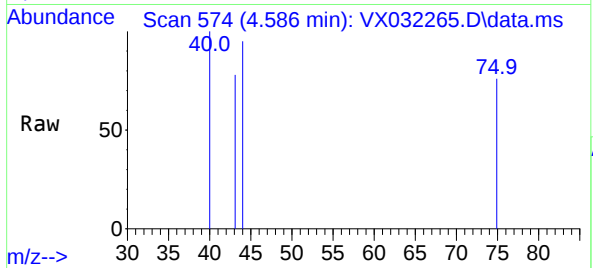




#25
2-Butanone
Concen: 0.244 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

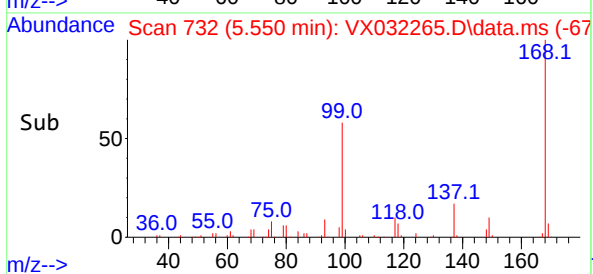
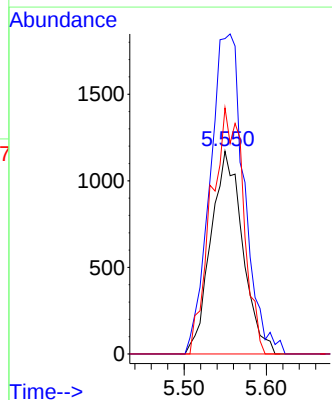
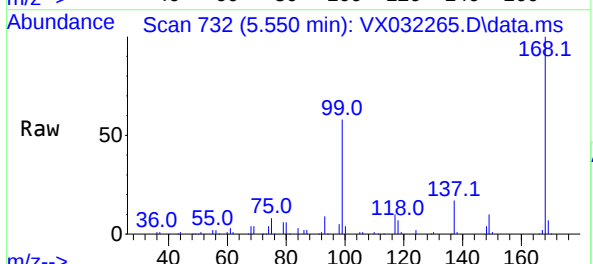
Instrument :
MSVOA_X
ClientSampleId :
PIT-14-EXCAVATION-WATER

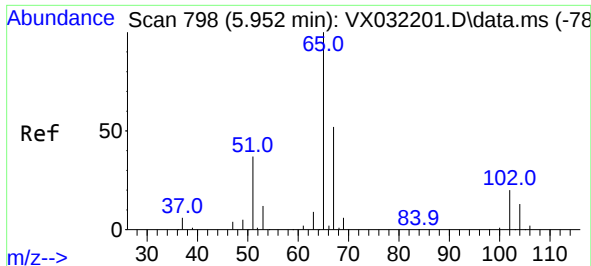
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.437 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

Tgt Ion: 56 Resp: 3146
Ion Ratio Lower Upper
56 100
69 155.5 25.4 38.0#
84 121.3 71.2 106.8#

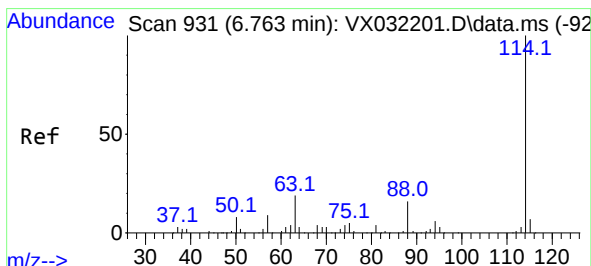
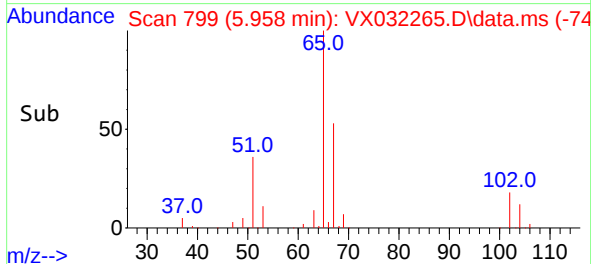
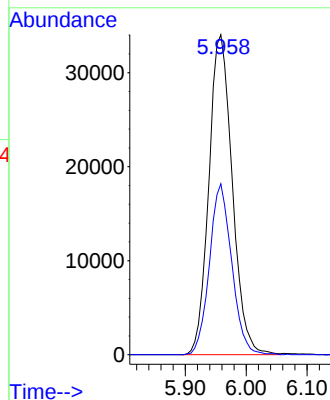
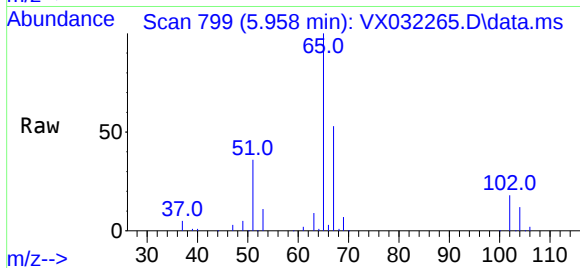




#33
 1,2-Dichloroethane-d4
 Concen: 47.522 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX032265.D
 Acq: 20 Oct 2022 16:07

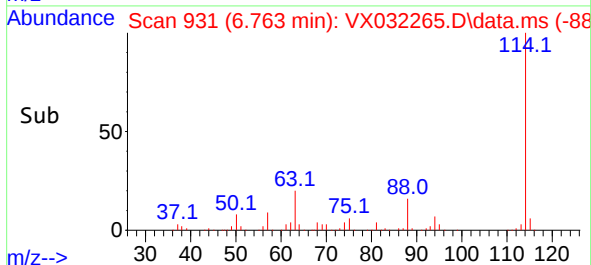
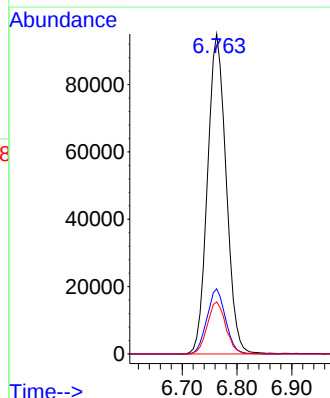
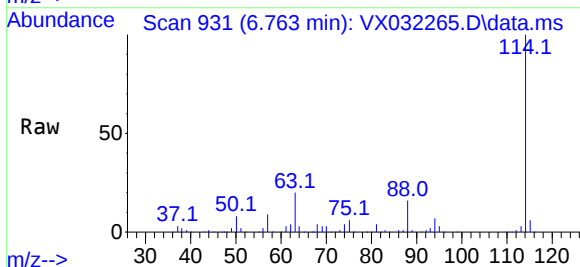
Instrument :
 MSVOA_X
 ClientSampleId :
 PIT-14-EXCAVATION-WATER

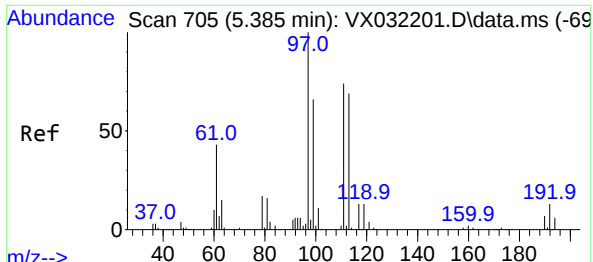
Tgt Ion: 65 Resp: 90979
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX032265.D
 Acq: 20 Oct 2022 16:07

Tgt Ion: 114 Resp: 223907
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.6
 88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.425 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032265.D

Acq: 20 Oct 2022 16:07

Instrument :

MSVOA_X

ClientSampleId :

PIT-14-EXCAVATION-WATER

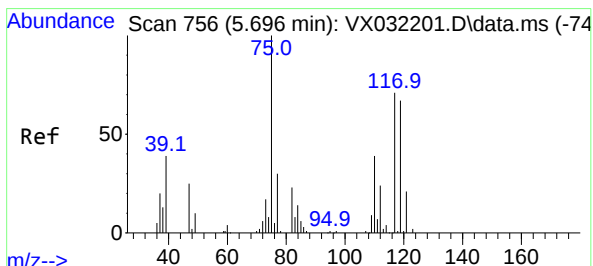
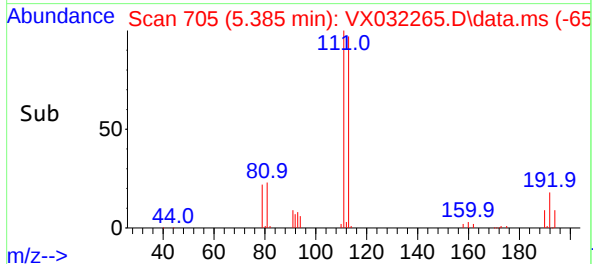
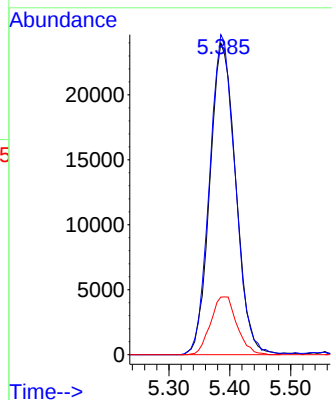
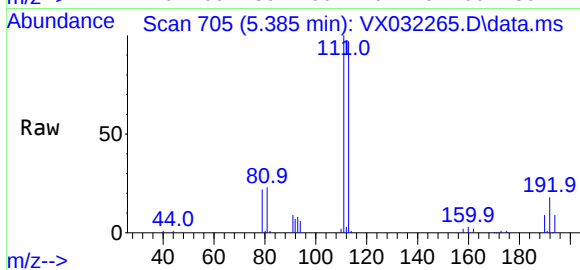
Tgt Ion:113 Resp: 70776

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

192 18.8 15.5 23.3



#36

1,1-Dichloropropene

Concen: 6.064 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX032265.D

Acq: 20 Oct 2022 16:07

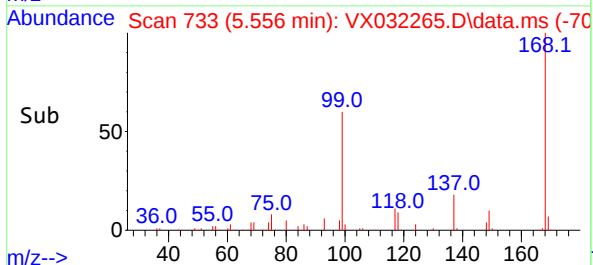
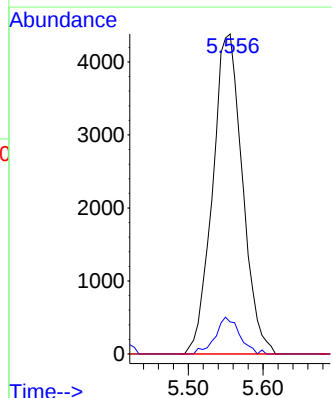
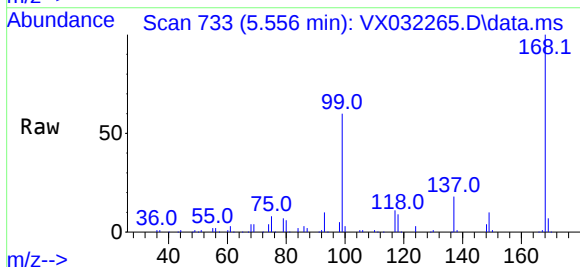
Tgt Ion: 75 Resp: 12154

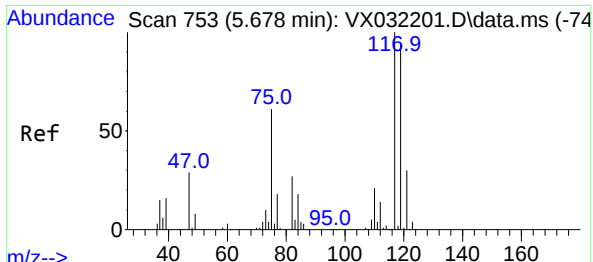
Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.0#

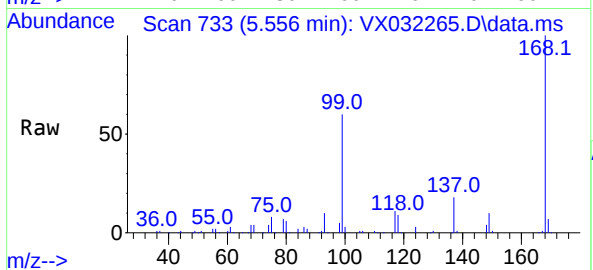
77 0.0 24.7 37.1#



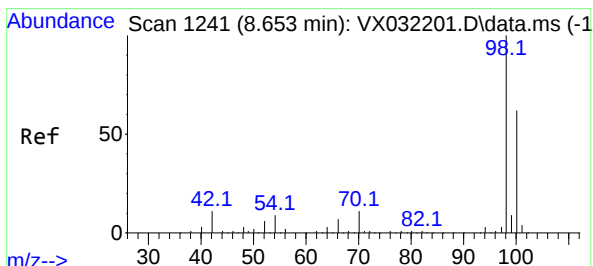
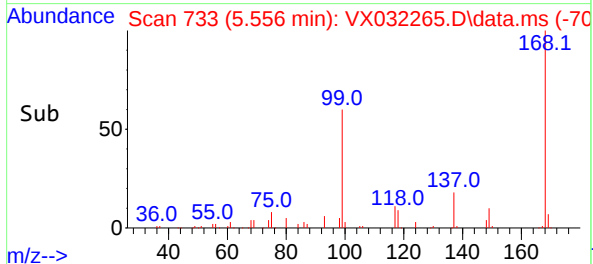
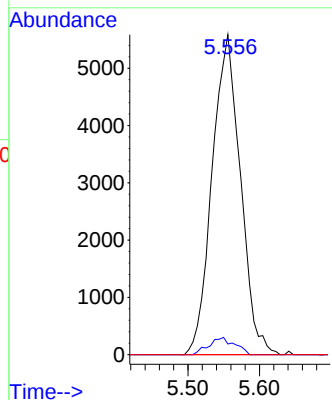


#38
Carbon Tetrachloride
Concen: 7.259 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

Instrument :
MSVOA_X
ClientSampleId :
PIT-14-EXCAVATION-WATER

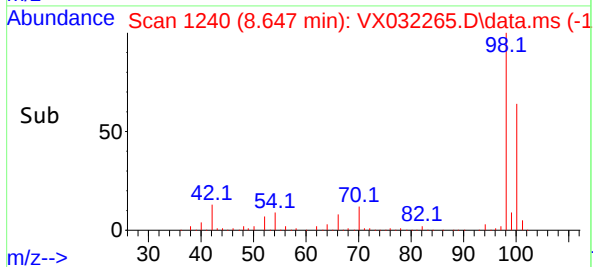
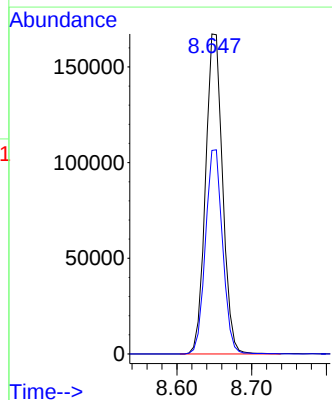
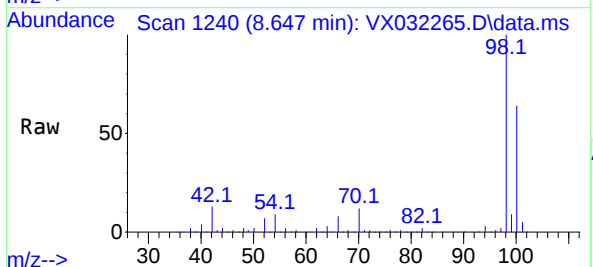


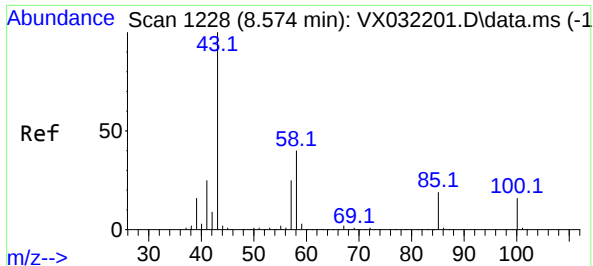
Tgt Ion:117 Resp: 15358
Ion Ratio Lower Upper
117 100
119 3.3 75.4 113.0#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 47.218 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

Tgt Ion: 98 Resp: 264827
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.603 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032265.D

Acq: 20 Oct 2022 16:07

Instrument :

MSVOA_X

ClientSampleId :

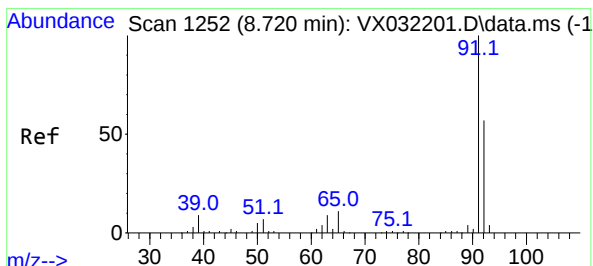
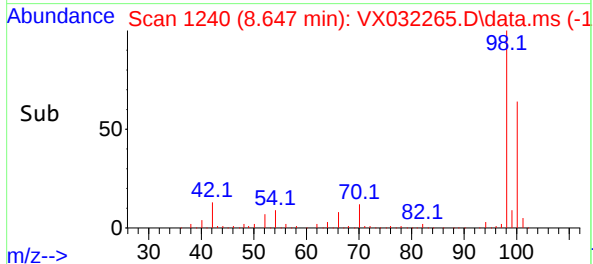
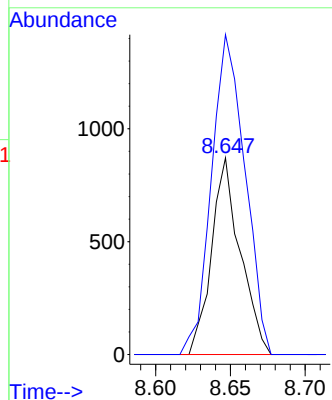
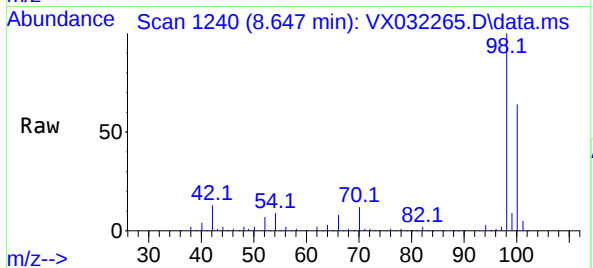
PIT-14-EXCAVATION-WATER

Tgt Ion: 43 Resp: 1164

Ion Ratio Lower Upper

43 100

58 189.9 31.0 46.4#



#52

Toluene

Concen: 0.357 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX032265.D

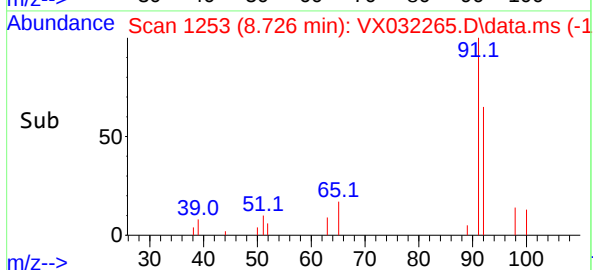
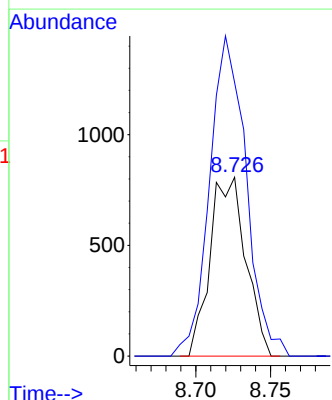
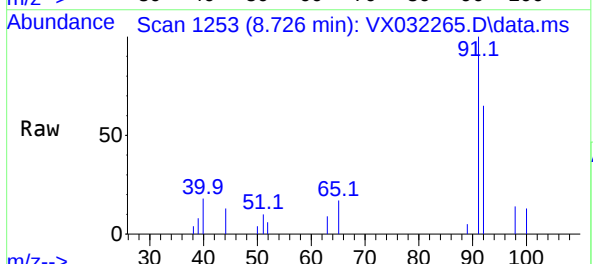
Acq: 20 Oct 2022 16:07

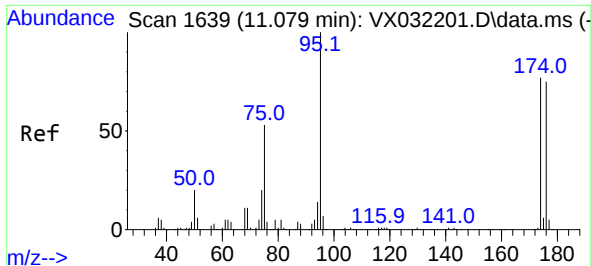
Tgt Ion: 92 Resp: 1342

Ion Ratio Lower Upper

92 100

91 182.8 140.3 210.5





#62

4-Bromofluorobenzene

Concen: 44.865 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032265.D

Acq: 20 Oct 2022 16:07

Instrument :

MSVOA_X

ClientSampleId :

PIT-14-EXCAVATION-WATER

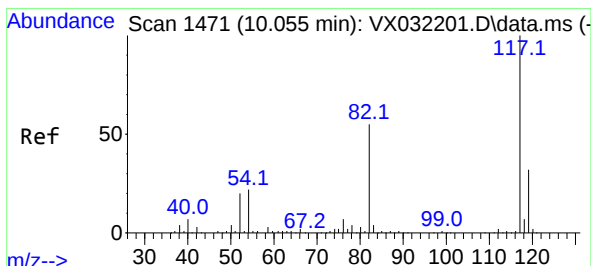
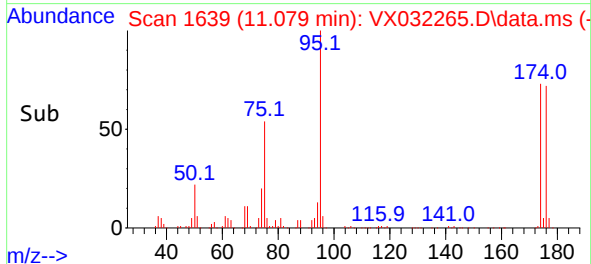
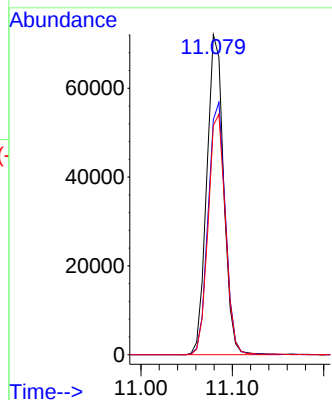
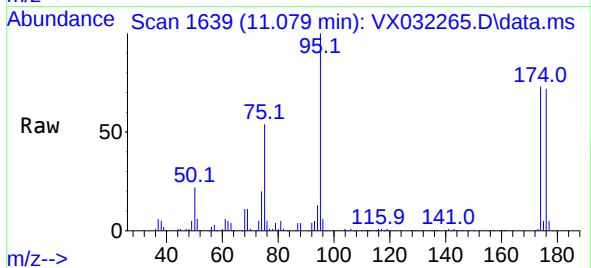
Tgt Ion: 95 Resp: 92143

Ion Ratio Lower Upper

95 100

174 80.6 0.0 166.8

176 76.9 0.0 161.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX032265.D

Acq: 20 Oct 2022 16:07

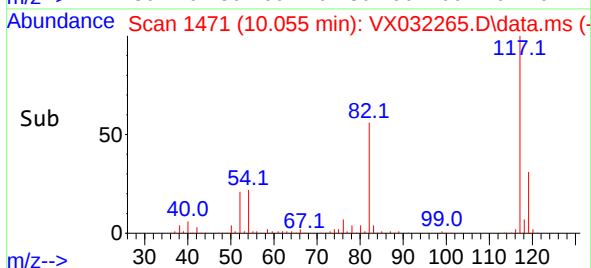
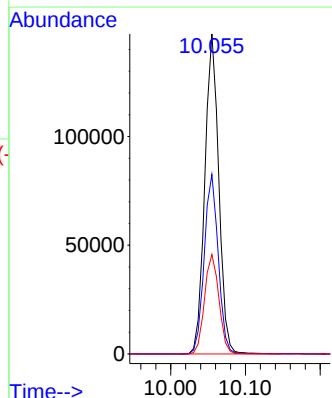
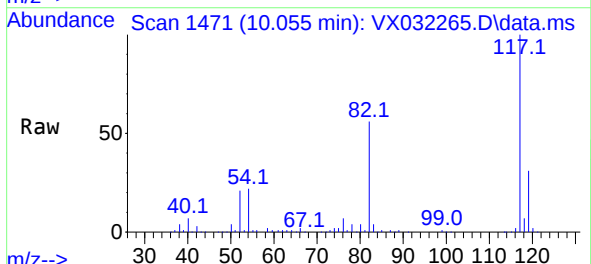
Tgt Ion: 117 Resp: 190725

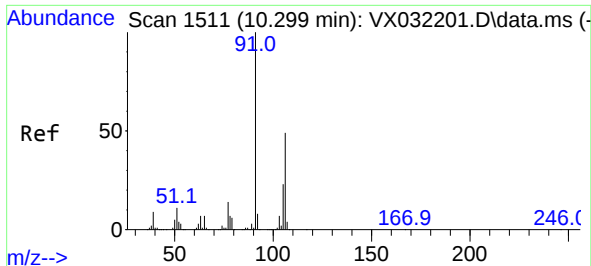
Ion Ratio Lower Upper

117 100

82 56.1 44.2 66.4

119 31.1 25.8 38.8

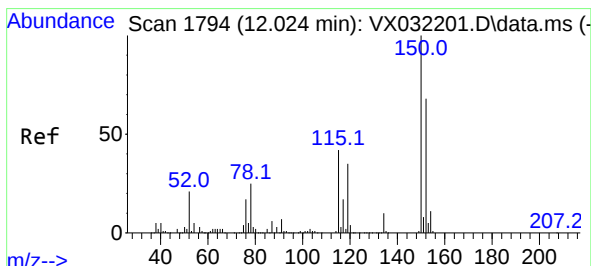
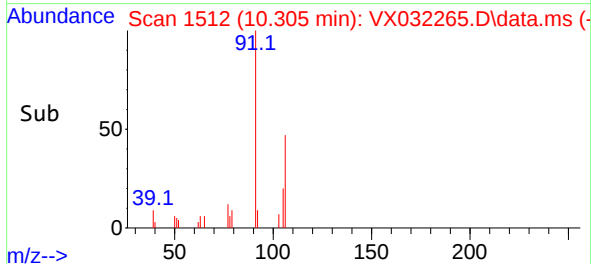
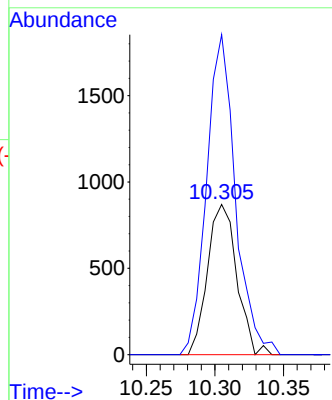
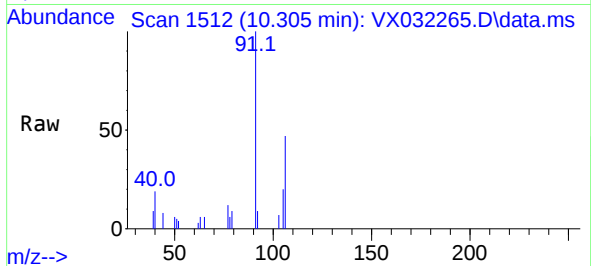




#68
m/p-Xylenes
Concen: 0.471 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

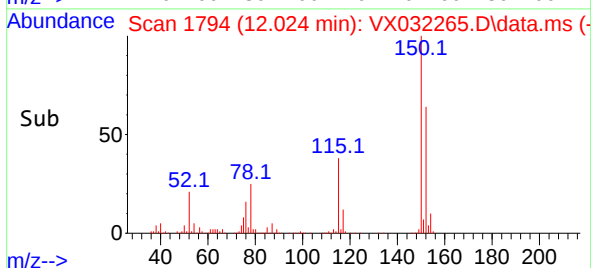
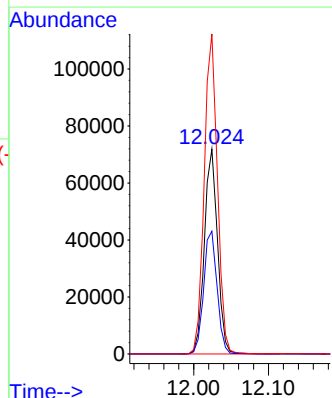
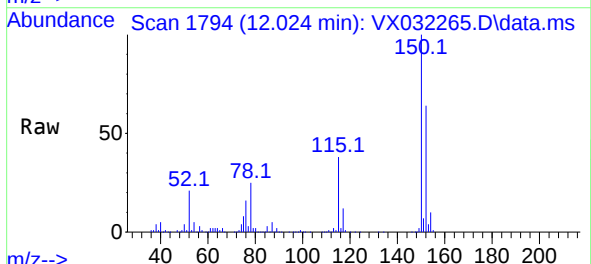
Instrument :
MSVOA_X
ClientSampleId :
PIT-14-EXCAVATION-WATER

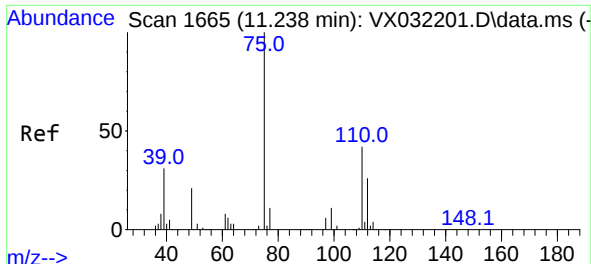
Tgt Ion:106 Resp: 1288
Ion Ratio Lower Upper
106 100
91 210.2 162.6 244.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

Tgt Ion:152 Resp: 87568
Ion Ratio Lower Upper
152 100
115 61.3 43.1 129.4
150 157.4 0.0 348.6

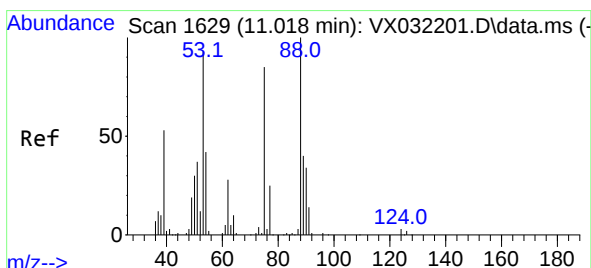
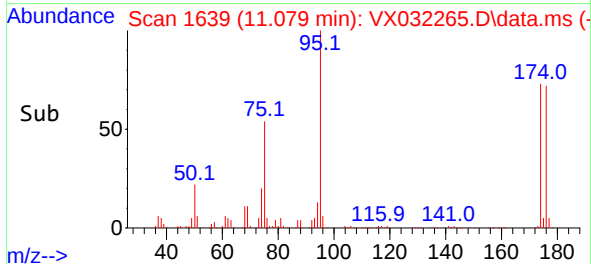
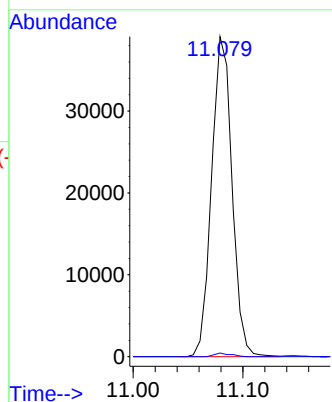
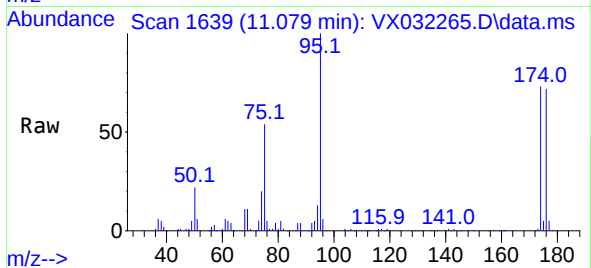




#76
1,2,3-Trichloropropane
Concen: 29.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

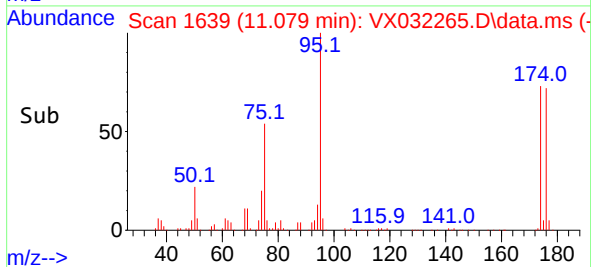
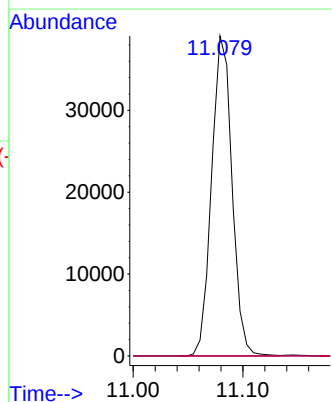
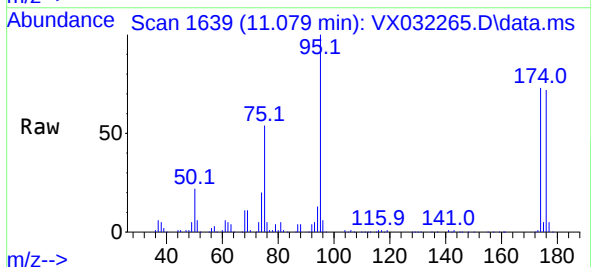
Instrument : MSVOA_X
ClientSampleId : PIT-14-EXCAVATION-WATER

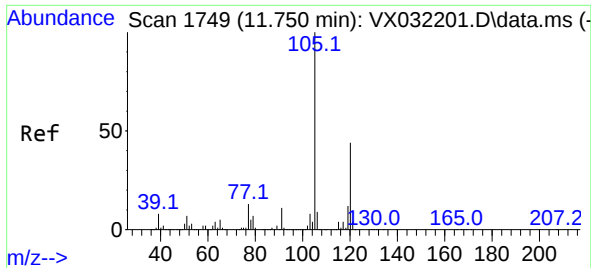
Tgt Ion: 75 Resp: 50640
Ion Ratio Lower Upper
75 100
77 0.9 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.389 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

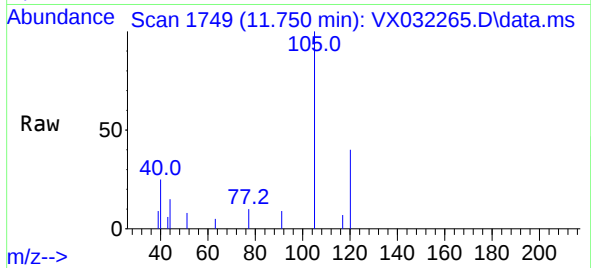
Tgt Ion: 75 Resp: 50640
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#





#84
1,2,4-Trimethylbenzene
Concen: 0.241 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032265.D
Acq: 20 Oct 2022 16:07

Instrument :
MSVOA_X
ClientSampleId :
PIT-14-EXCAVATION-WATER



Tgt Ion:105 Resp: 1267
Ion Ratio Lower Upper
105 100
120 40.7 22.1 66.1

