

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041522\
 Data File : VX028144.D
 Acq On : 15 Apr 2022 19:29
 Operator : JC/MD
 Sample : N2394-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CS-7-SOIL-PILE-BELOW-BRIDGE

Quant Time: Apr 16 02:28:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

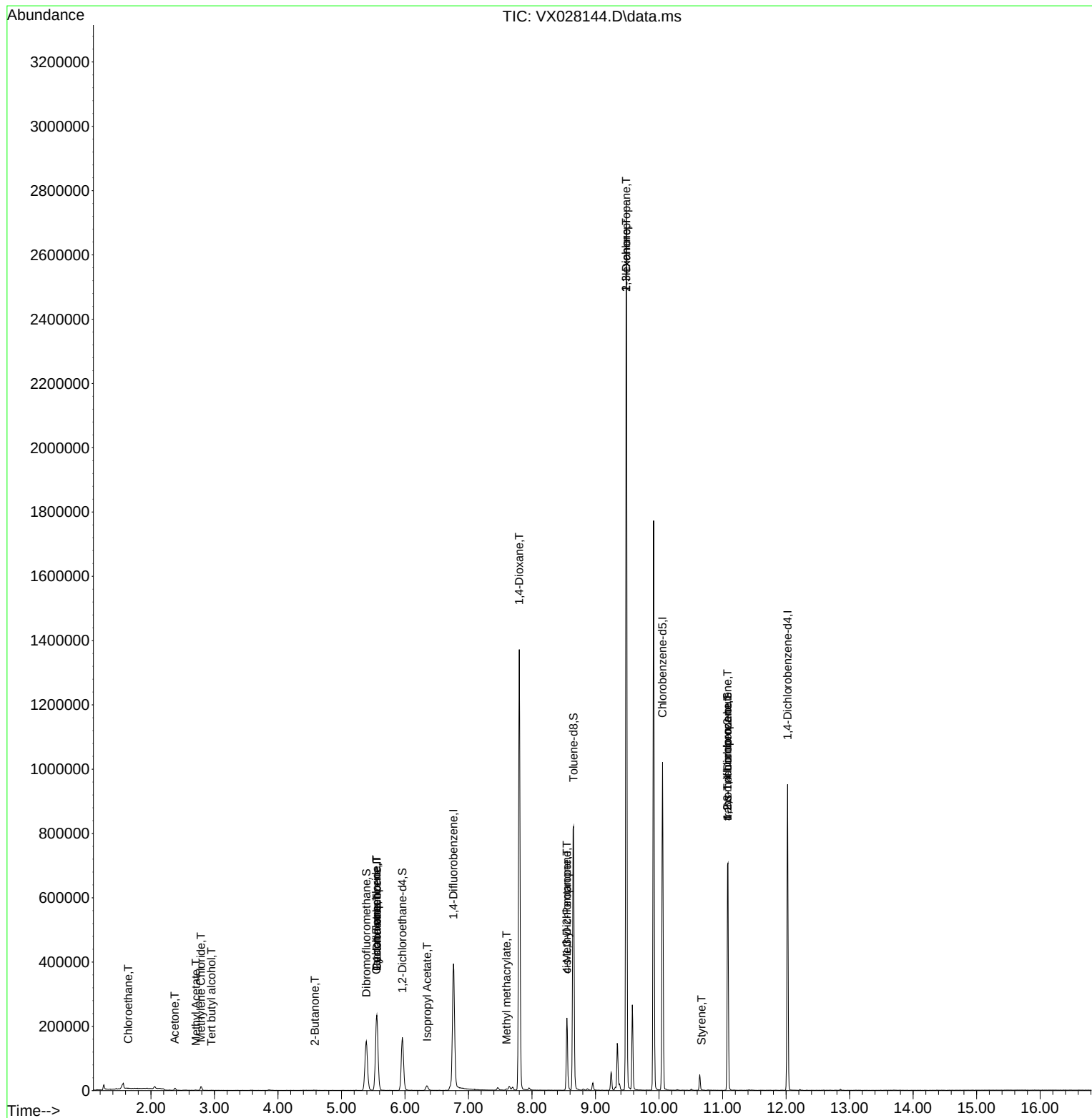
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	224940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	393411	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	424794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	182816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148573	48.685	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.380%
35) Dibromofluoromethane	5.391	113	127012	49.269	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.540%
50) Toluene-d8	8.653	98	497026	51.696	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.400%
62) 4-Bromofluorobenzene	11.079	95	172160	47.958	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.920%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	597	Below Cal	#	57
6) Chloroethane	1.642	64	422	2.770	ug/l	98
11) Tert butyl alcohol	2.953	59	210	0.296	ug/l #	72
13) Acrolein	2.246	56	51	Below Cal	#	15
16) Acetone	2.374	43	7029	5.528	ug/l	91
18) Methyl Acetate	2.709	43	1512	0.446	ug/l	90
20) Methylene Chloride	2.788	84	5315	2.099	ug/l #	89
25) 2-Butanone	4.580	43	1703	0.775	ug/l #	86
31) Cyclohexane	5.556	56	5410	1.289	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	17365	4.414	ug/l #	50
38) Carbon Tetrachloride	5.550	117	22333	5.317	ug/l #	15
43) Isopropyl Acetate	6.348	43	20838	2.729	ug/l	93
48) Methyl methacrylate	7.598	41	5672	1.627	ug/l #	7
49) 1,4-Dioxane	7.799	88	217	2.789	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77103	15.837	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	34013	7.062	ug/l #	74
57) 1,3-Dichloropropane	9.482	76	23998	4.678	ug/l #	43
59) 2-Hexanone	9.482	43	309769	81.242	ug/l #	43
70) Styrene	10.671	104	24	4.706	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	96601	23.735	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	96601	66.850	ug/l #	15

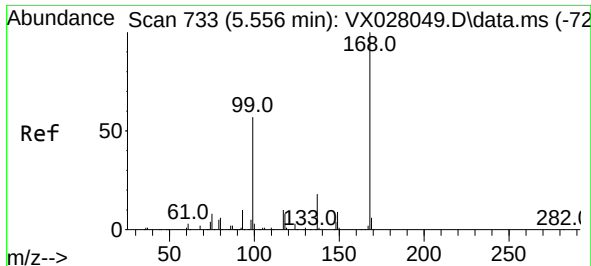
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041522\
Data File : VX028144.D
Acq On : 15 Apr 2022 19:29
Operator : JC/MD
Sample : N2394-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

Quant Time: Apr 16 02:28:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 12 22:07:23 2022
Response via : Initial Calibration

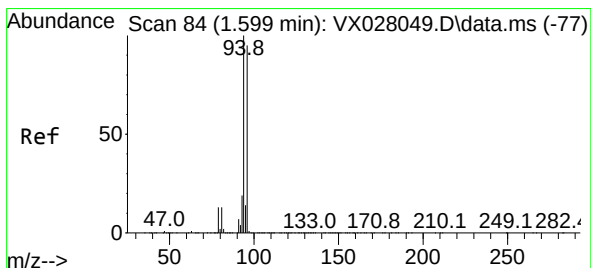
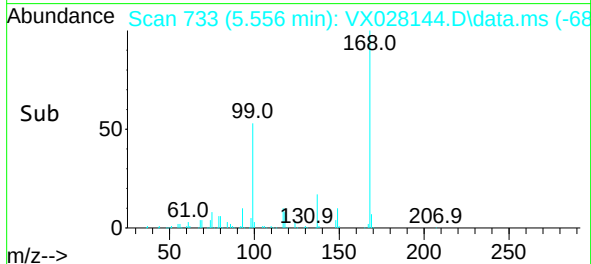
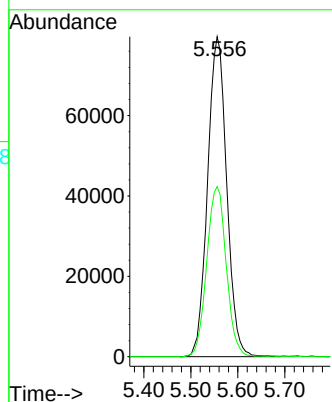
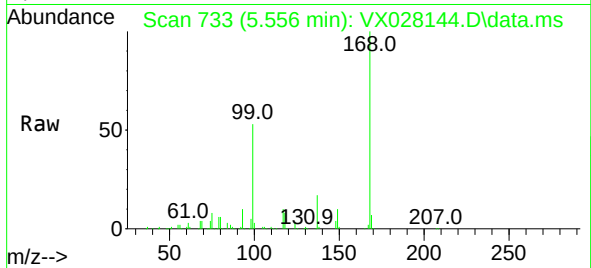




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

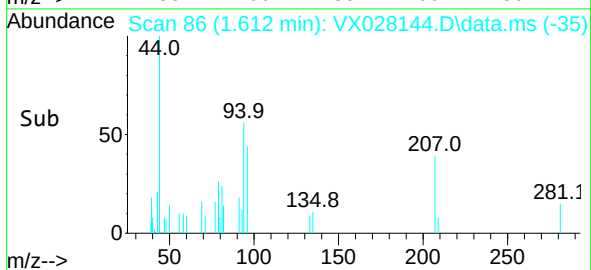
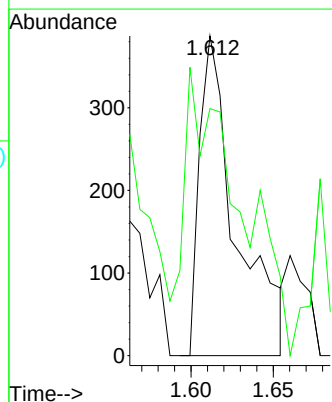
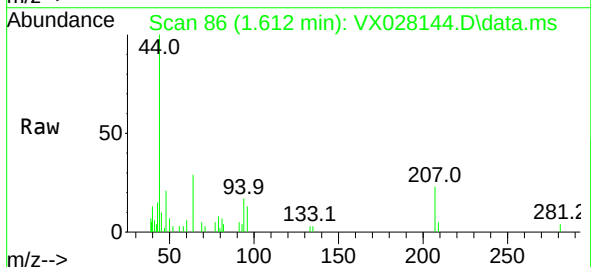
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

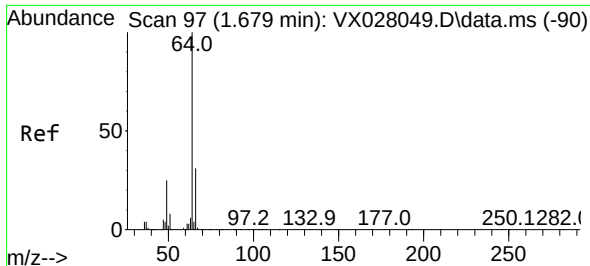
Tgt Ion:168 Resp: 224940
Ion Ratio Lower Upper
168 100
99 53.2 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 94 Resp: 597
Ion Ratio Lower Upper
94 100
96 52.5 75.3 112.9#

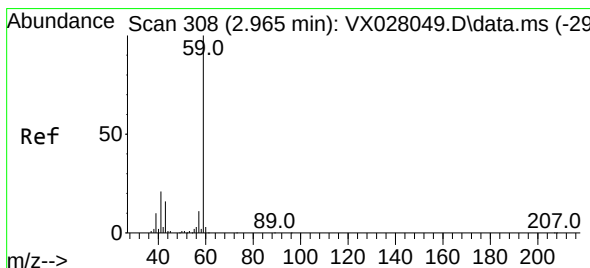
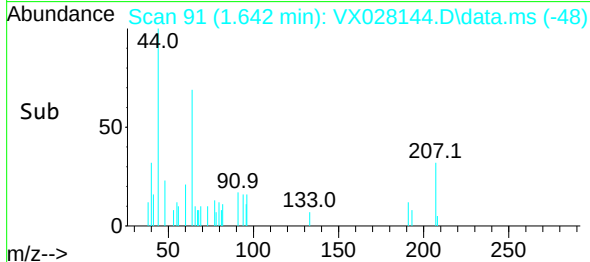
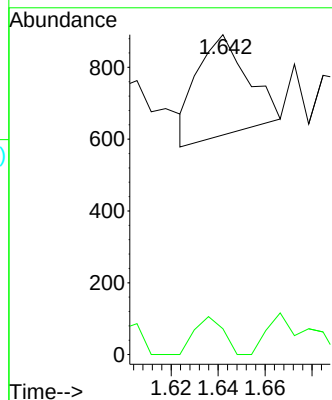
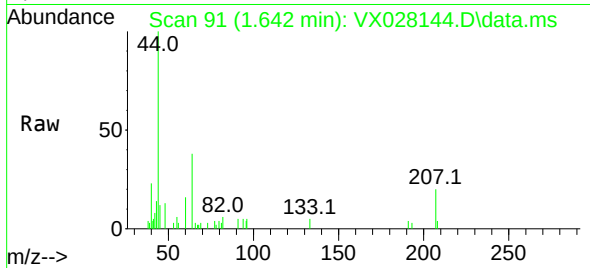




#6
Chloroethane
Concen: 2.770 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

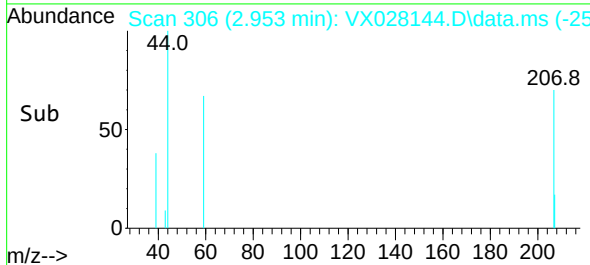
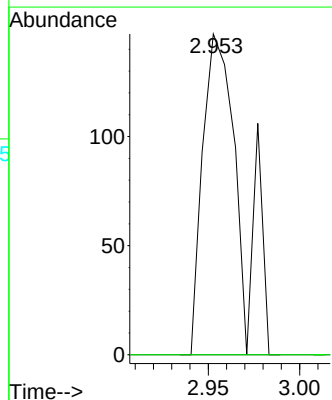
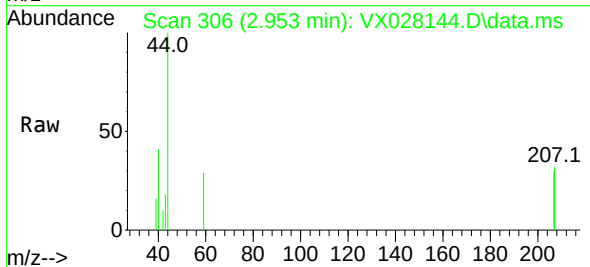
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

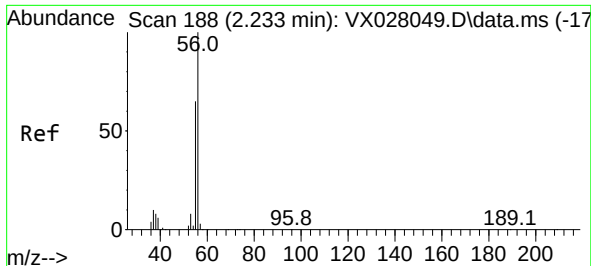
Tgt Ion: 64 Resp: 422
Ion Ratio Lower Upper
64 100
66 30.6 25.3 37.9



#11
Tert butyl alcohol
Concen: 0.296 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5

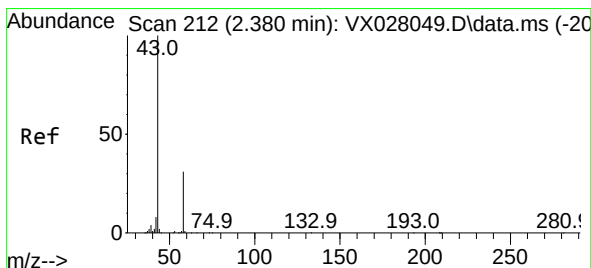
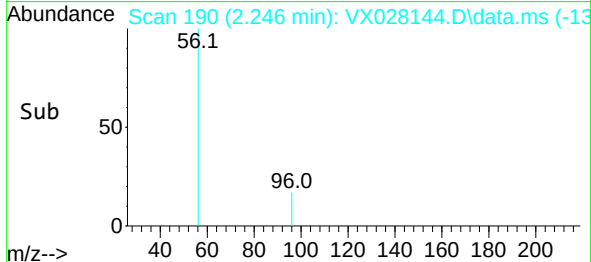
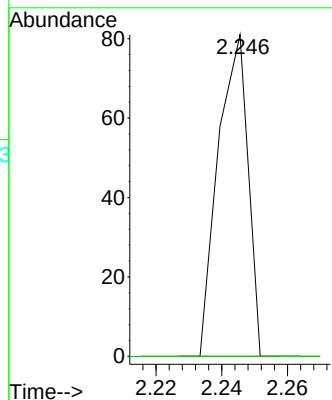
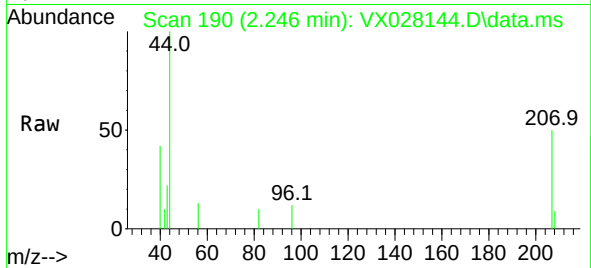




#13
Acrolein
Concen: Below Cal
RT: 2.246 min Scan# 19
Delta R.T. 0.013 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

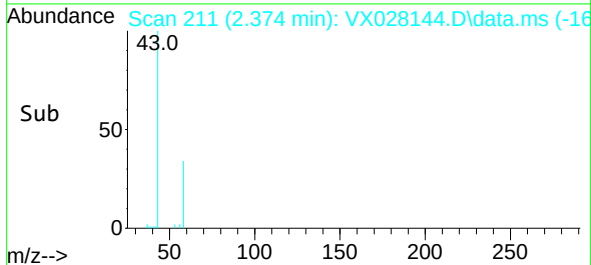
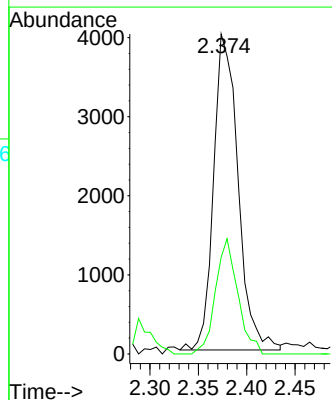
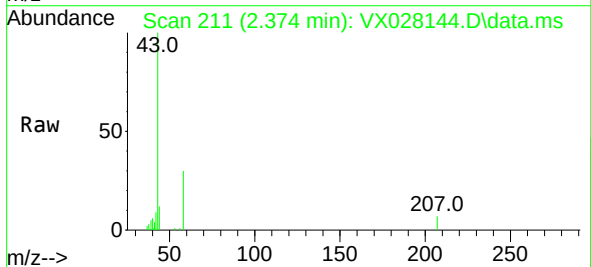
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

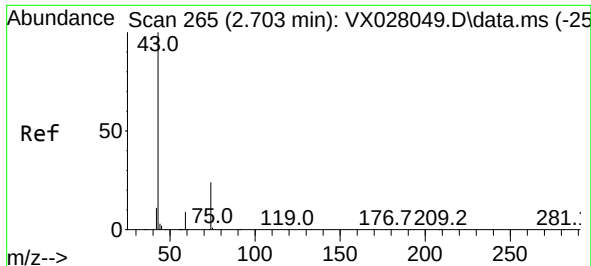
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#16
Acetone
Concen: 5.528 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 43 Resp: 7029
Ion Ratio Lower Upper
43 100
58 30.6 28.8 43.2

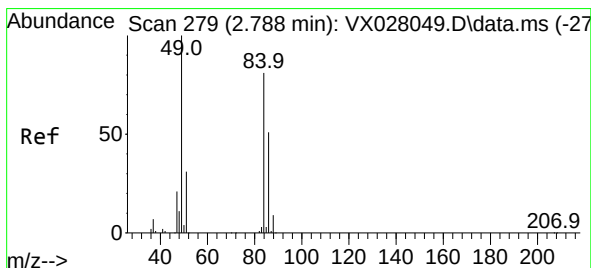
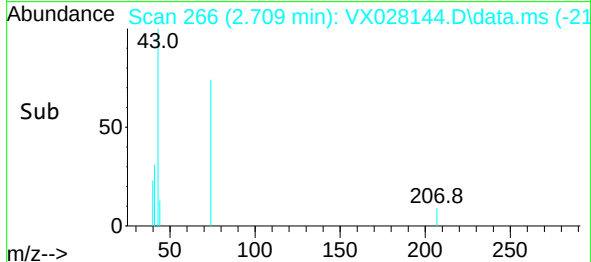
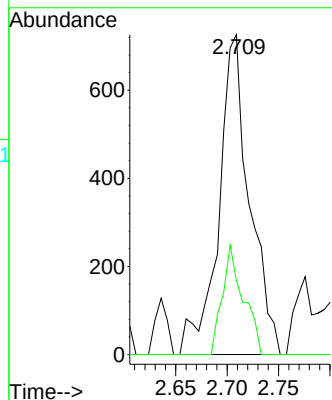
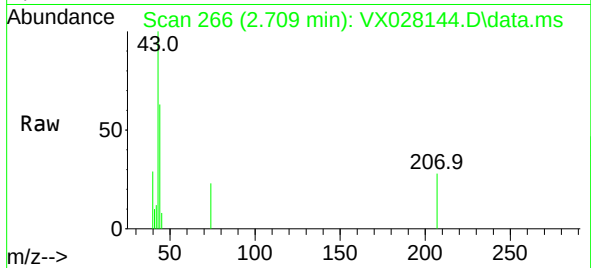




#18
Methyl Acetate
Concen: 0.446 ug/l
RT: 2.709 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

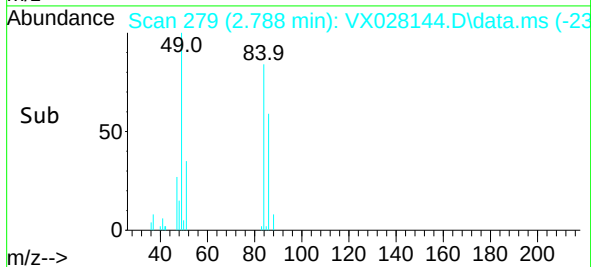
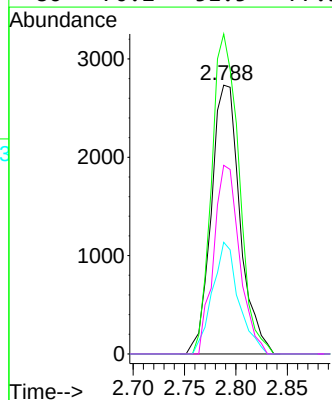
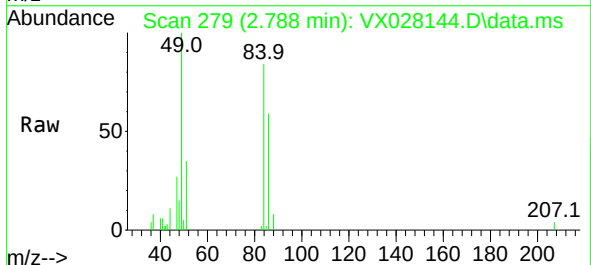
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

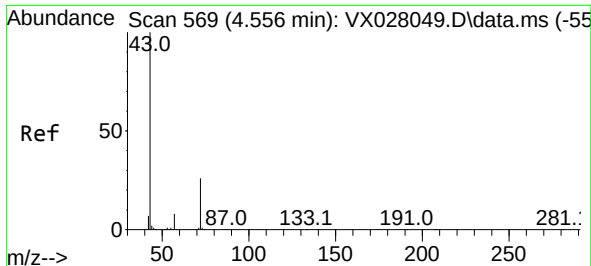
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
74 23.3 22.8 34.2



#20
Methylene Chloride
Concen: 2.099 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 84 Resp: 5315
Ion Ratio Lower Upper
84 100
49 119.0 85.5 128.3
51 41.6 26.6 39.8#
86 70.2 51.5 77.3

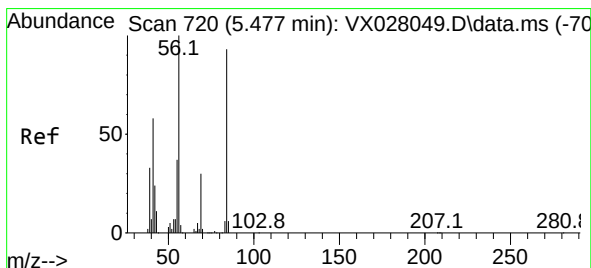
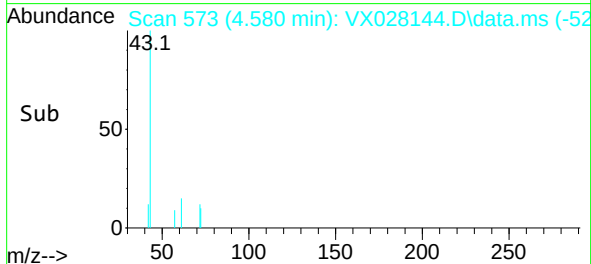
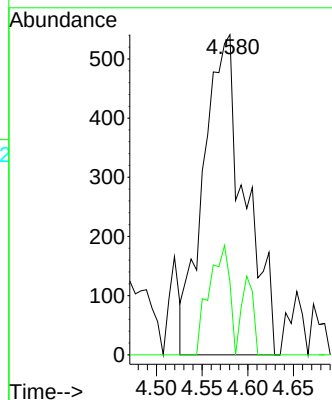
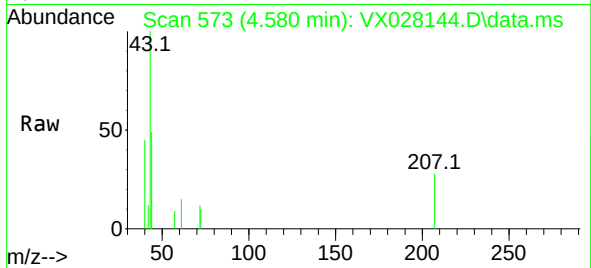




#25
2-Butanone
Concen: 0.775 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

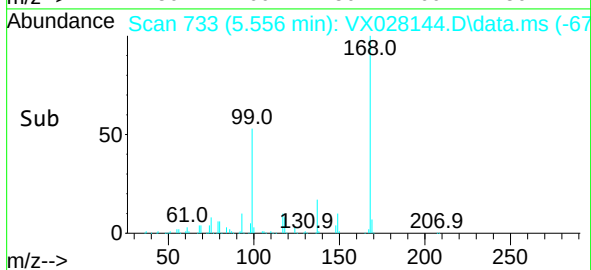
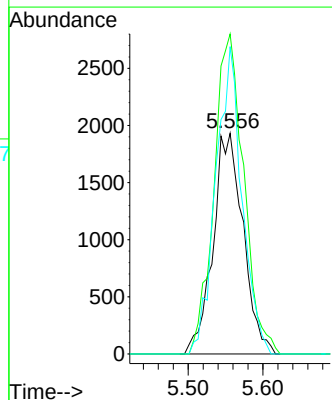
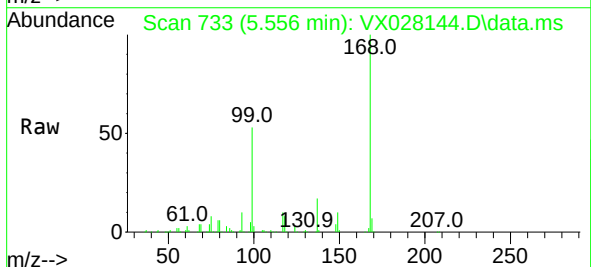
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

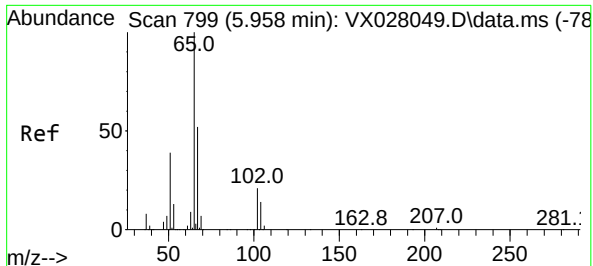
Tgt Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
72 22.7 24.4 36.6#



#31
Cyclohexane
Concen: 1.289 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 56 Resp: 5410
Ion Ratio Lower Upper
56 100
69 145.0 26.7 40.1#
84 139.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 48.685 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028144.D

Acq: 15 Apr 2022 19:29

Instrument :

MSVOA_X

ClientSampleId :

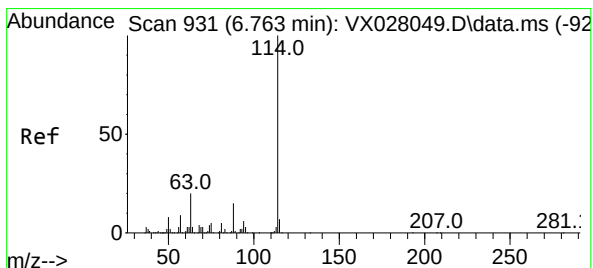
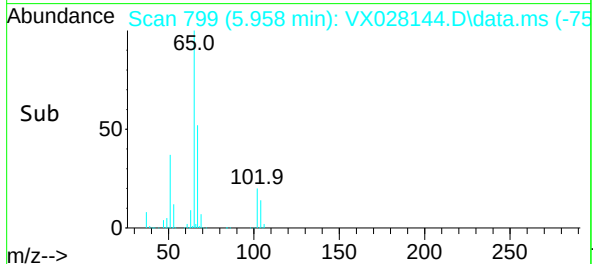
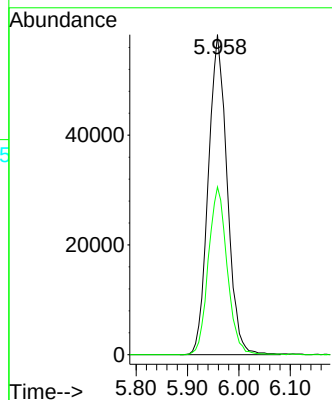
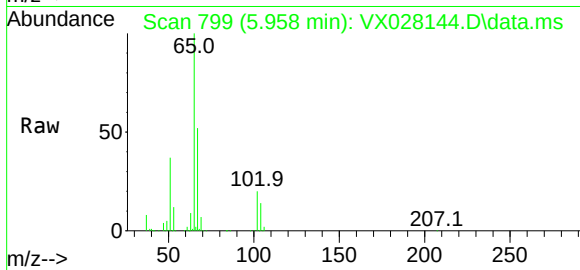
CS-7-SOIL-PILE-BELOW-BRIDGE

Tgt Ion: 65 Resp: 148573

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028144.D

Acq: 15 Apr 2022 19:29

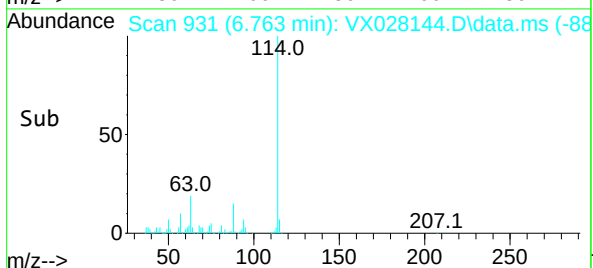
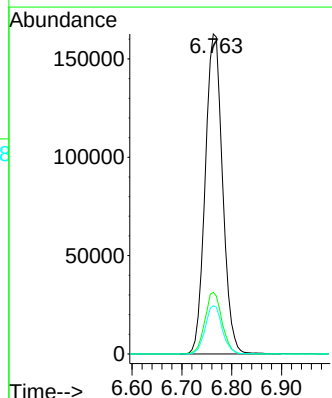
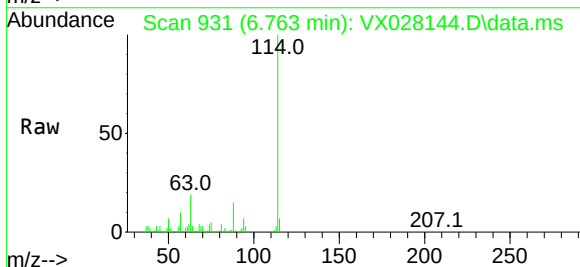
Tgt Ion: 114 Resp: 393411

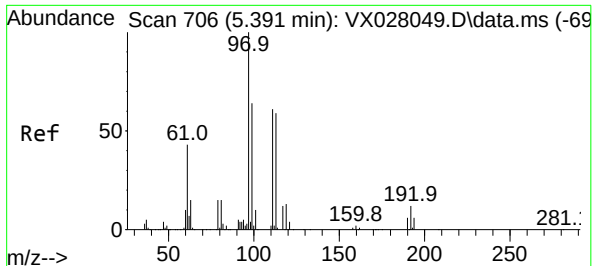
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.8

88 15.0 0.0 32.4

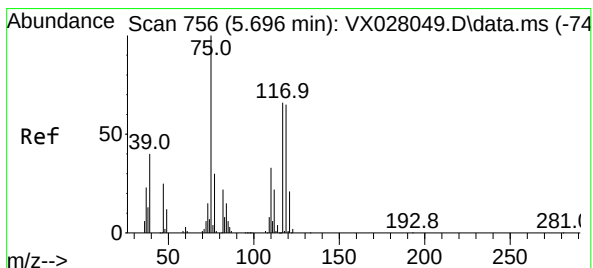
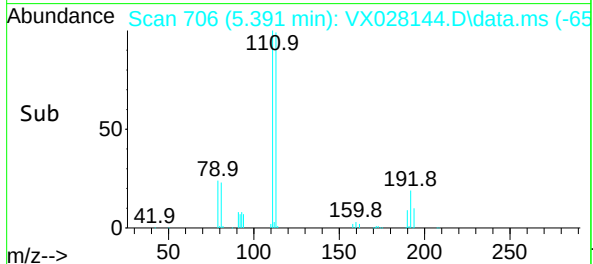
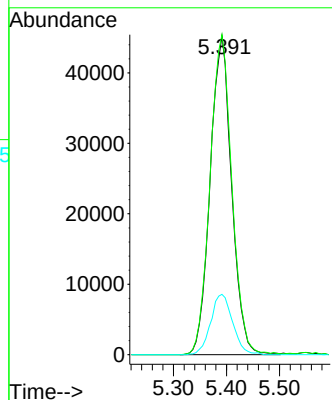
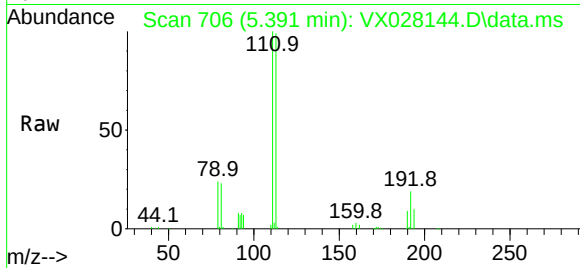




#35
Dibromofluoromethane
Concen: 49.269 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

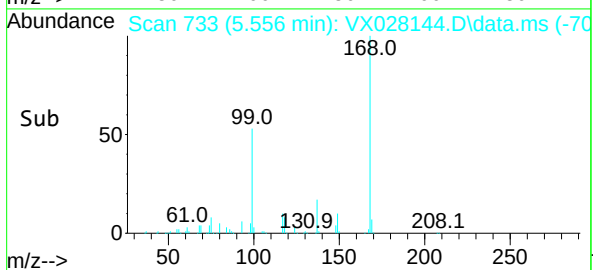
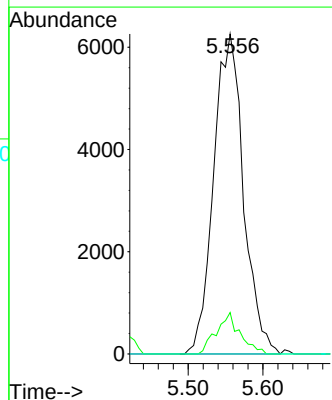
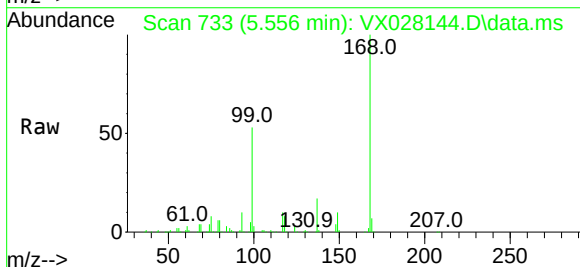
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

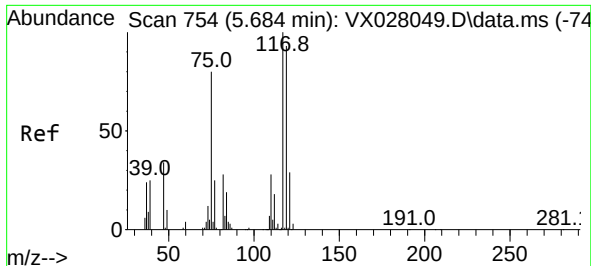
Tgt Ion:113 Resp: 127012
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.414 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 75 Resp: 17365
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#

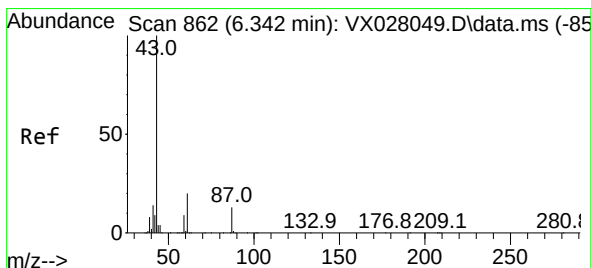
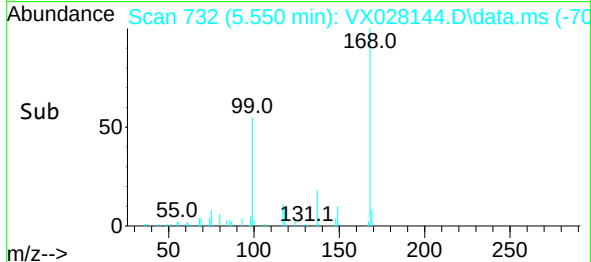
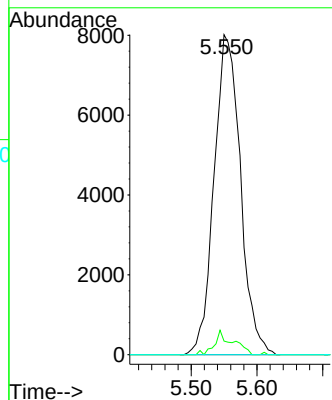
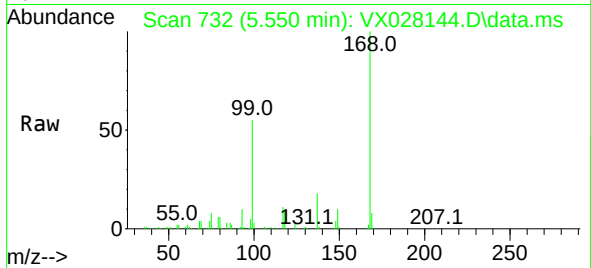




#38
Carbon Tetrachloride
Concen: 5.317 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

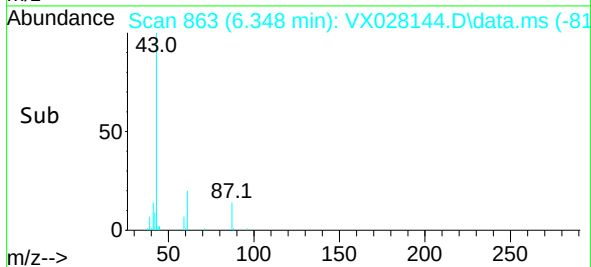
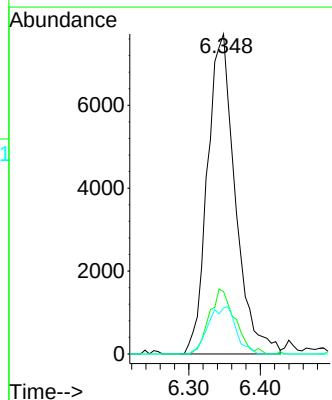
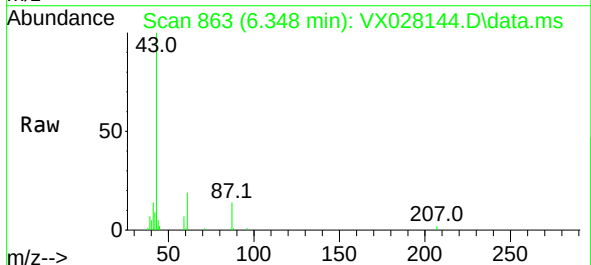
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

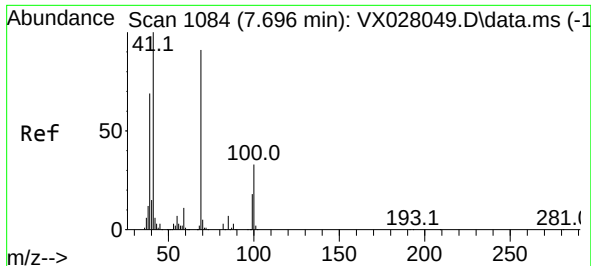
Tgt Ion:117 Resp: 22333
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.729 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 43 Resp: 20838
Ion Ratio Lower Upper
43 100
61 18.8 18.5 27.7
87 14.7 13.0 19.6

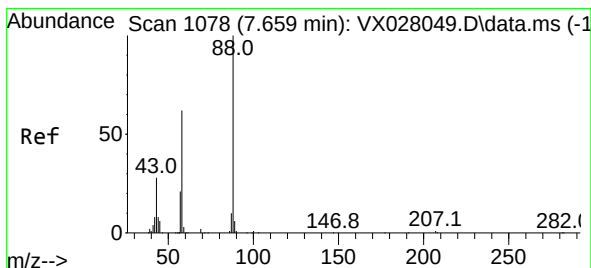
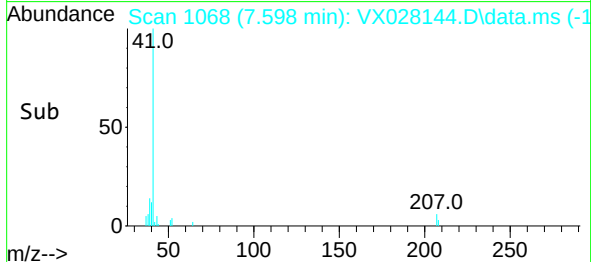
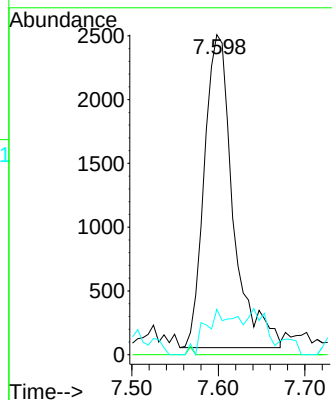
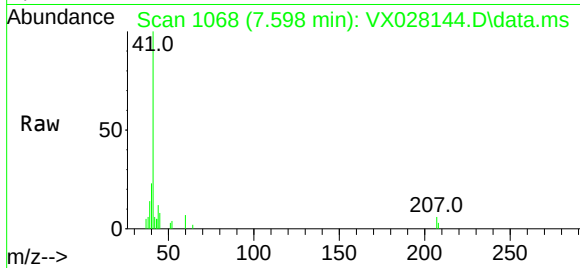




#48
Methyl methacrylate
Concen: 1.627 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

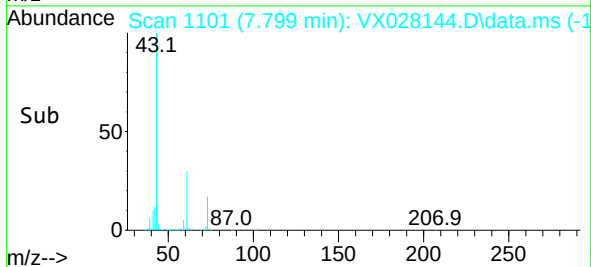
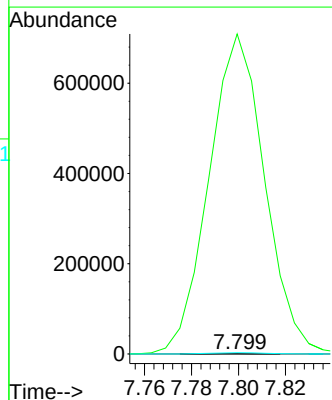
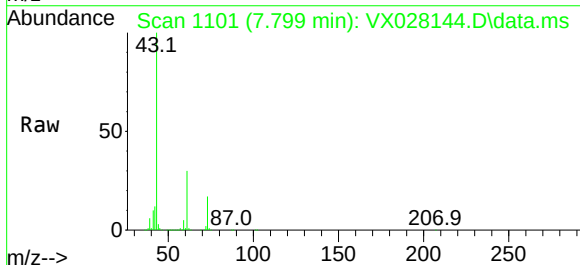
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

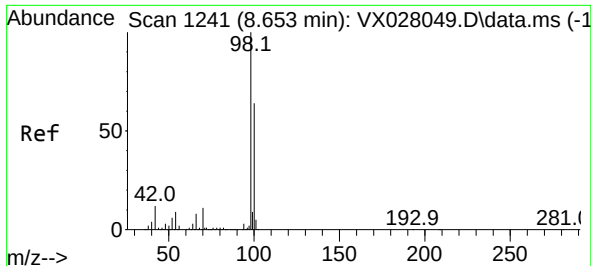
Tgt Ion: 41 Resp: 5672
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.789 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 88 Resp: 217
Ion Ratio Lower Upper
88 100
43 542895.4 21.9 32.9#
58 2208.3 53.7 80.5#

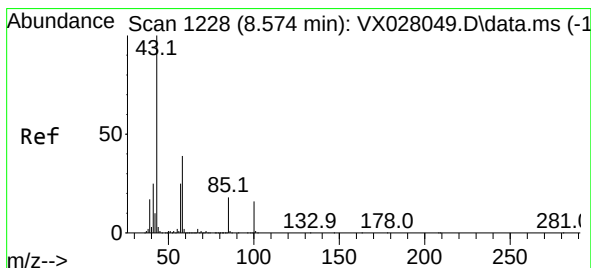
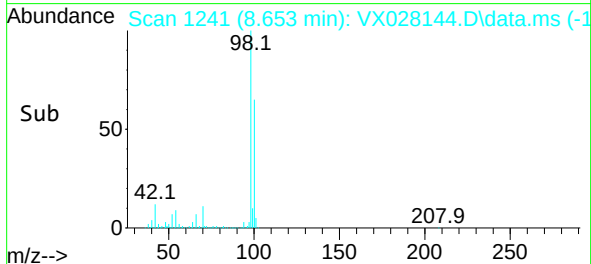
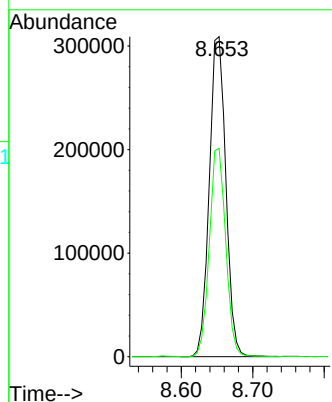
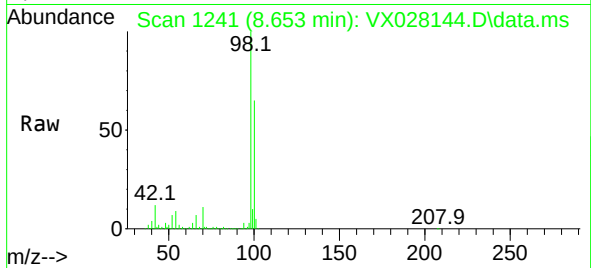




#50
Toluene-d8
Concen: 51.696 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

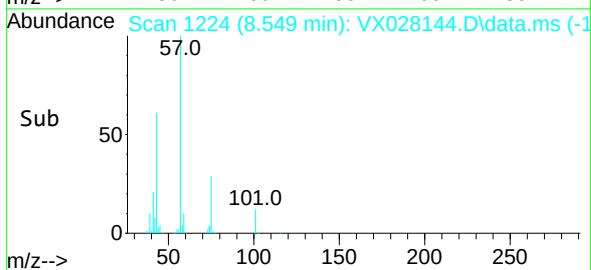
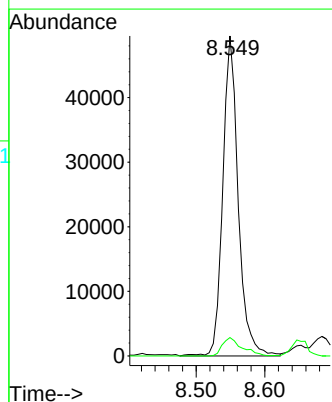
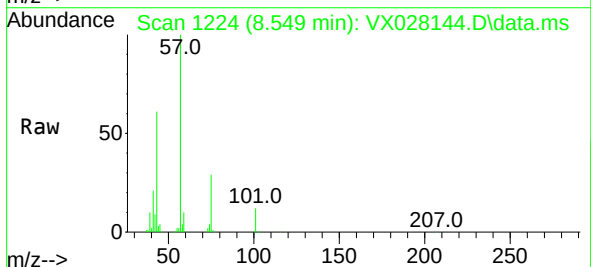
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

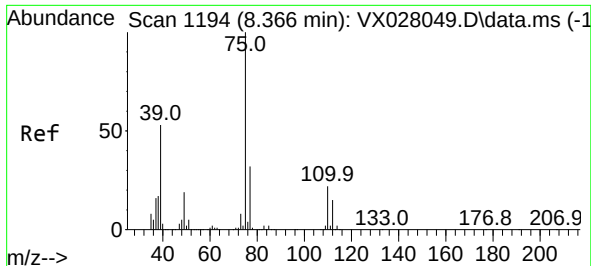
Tgt Ion: 98 Resp: 497026
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.837 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 43 Resp: 77103
Ion Ratio Lower Upper
43 100
58 7.4 36.1 54.1#

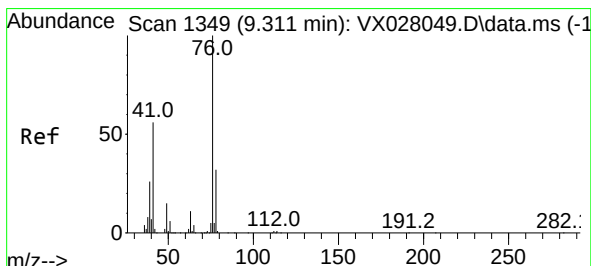
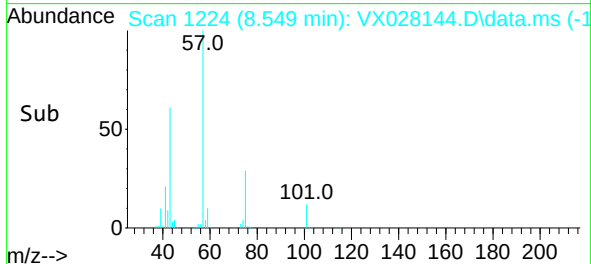
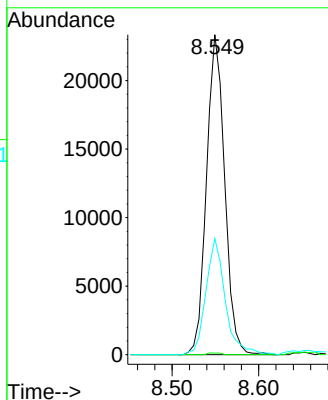
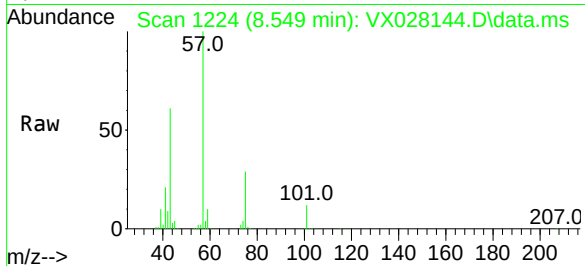




#54
 cis-1,3-Dichloropropene
 Concen: 7.062 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028144.D
 Acq: 15 Apr 2022 19:29

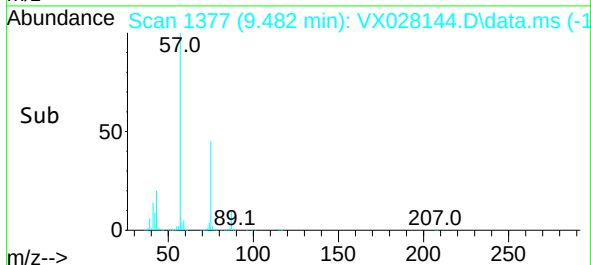
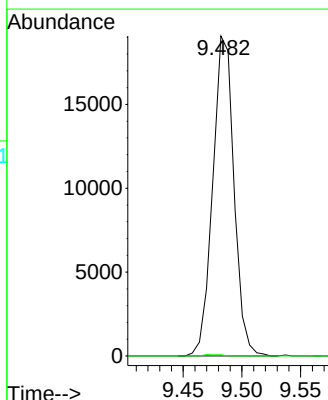
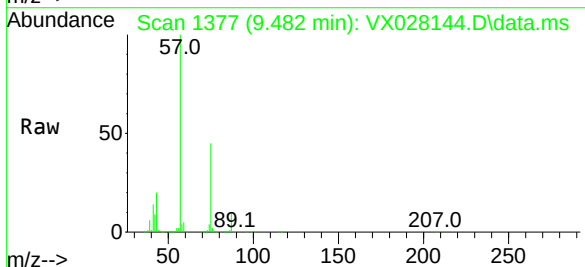
Instrument :
 MSVOA_X
 ClientSampleId :
 CS-7-SOIL-PILE-BELOW-BRIDGE

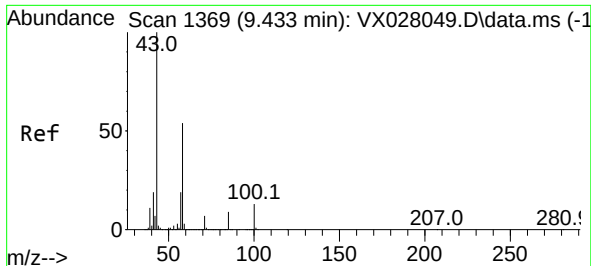
Tgt Ion: 75 Resp: 34013
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 36.2 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.678 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028144.D
 Acq: 15 Apr 2022 19:29

Tgt Ion: 76 Resp: 23998
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#

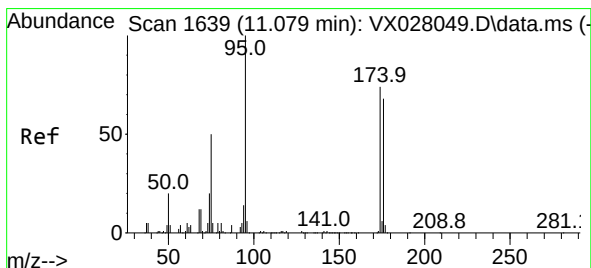
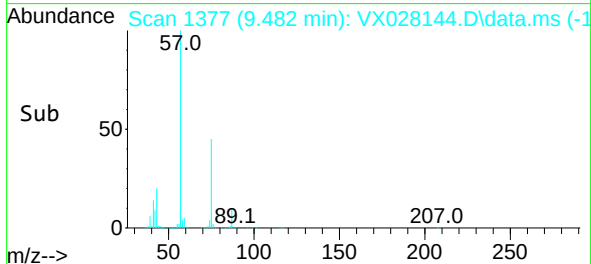
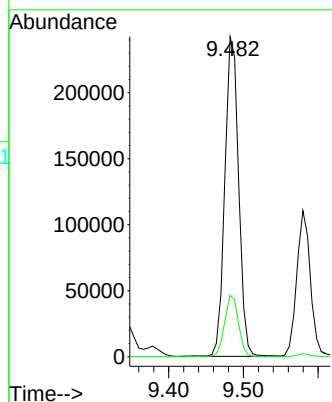
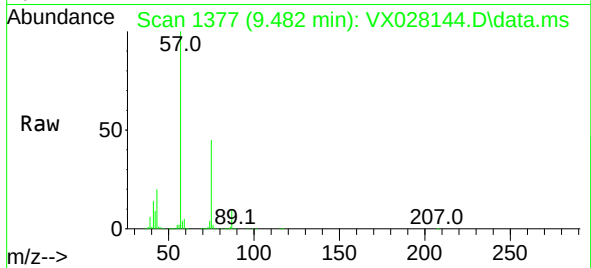




#59
2-Hexanone
Concen: 81.242 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

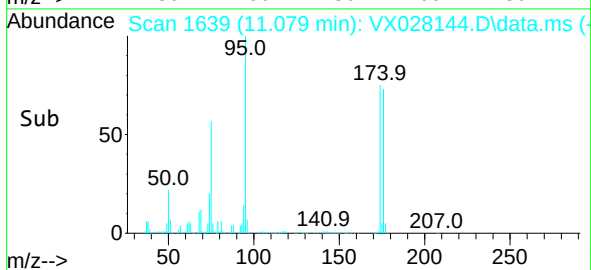
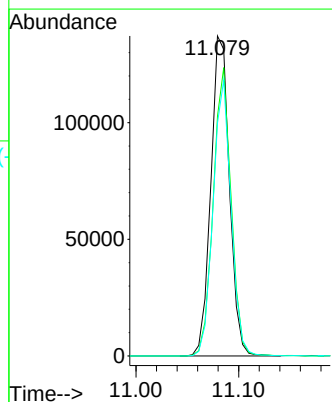
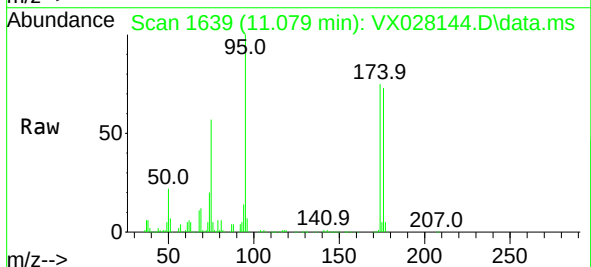
Instrument :
MSVOA_X
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

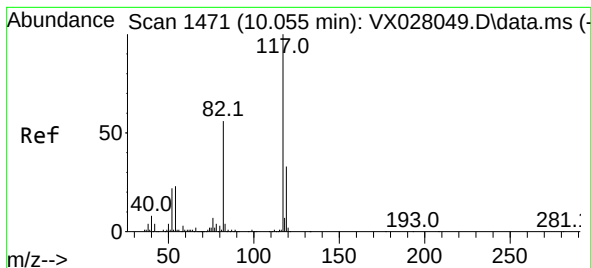
Tgt Ion: 43 Resp: 309769
Ion Ratio Lower Upper
43 100
58 19.4 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 47.958 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028144.D
Acq: 15 Apr 2022 19:29

Tgt Ion: 95 Resp: 172160
Ion Ratio Lower Upper
95 100
174 86.6 0.0 163.0
176 83.2 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028144.D

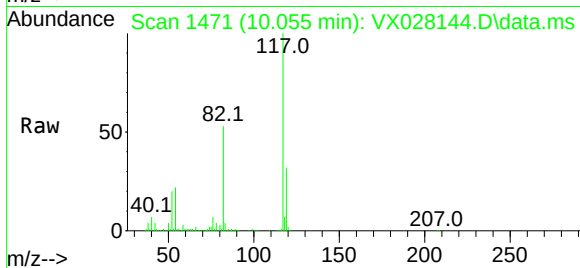
Acq: 15 Apr 2022 19:29

Instrument :

MSVOA_X

ClientSampleId :

CS-7-SOIL-PILE-BELOW-BRIDGE



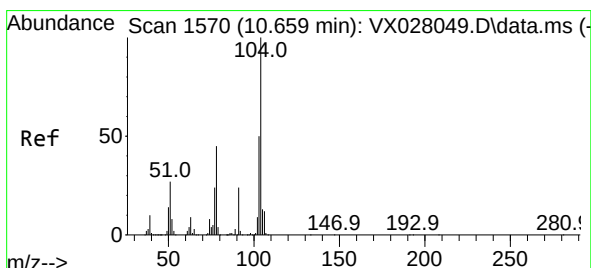
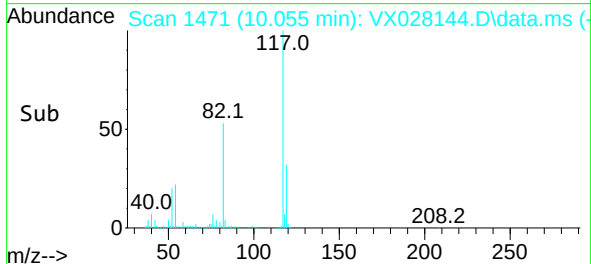
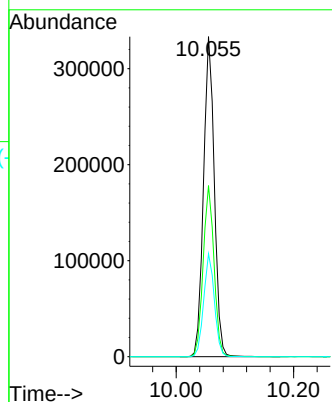
Tgt Ion:117 Resp: 424794

Ion Ratio Lower Upper

117 100

82 53.4 41.8 62.8

119 32.2 24.8 37.2



#70

Styrene

Concen: 4.706 ug/l

RT: 10.671 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VX028144.D

Acq: 15 Apr 2022 19:29

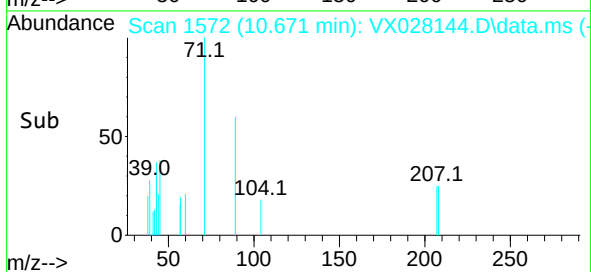
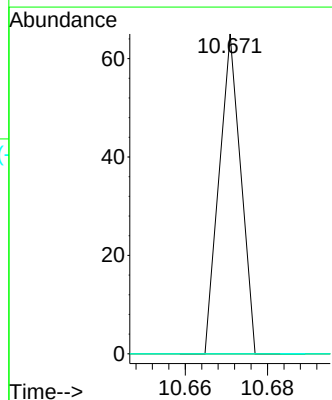
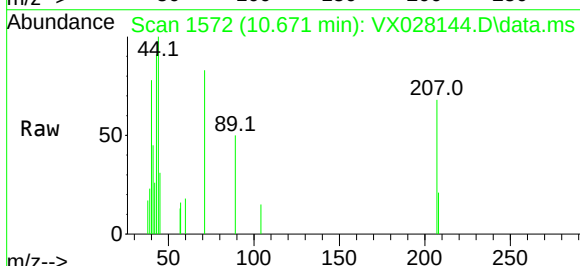
Tgt Ion:104 Resp: 24

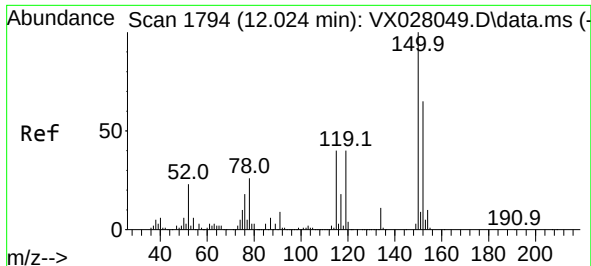
Ion Ratio Lower Upper

104 100

78 0.0 38.6 57.8#

103 0.0 43.8 65.8#

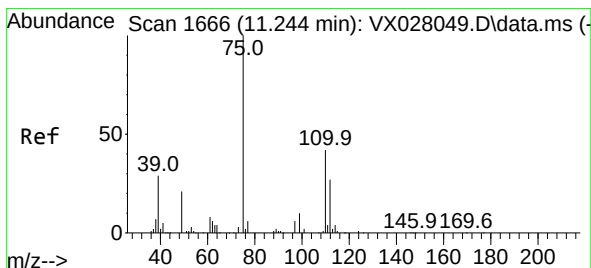
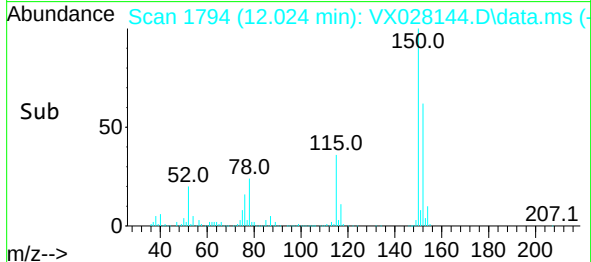
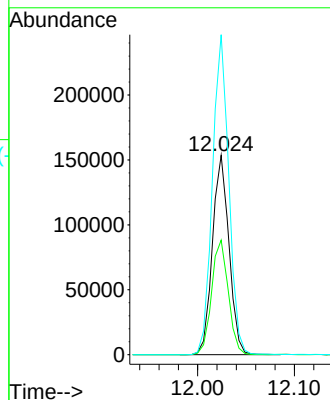
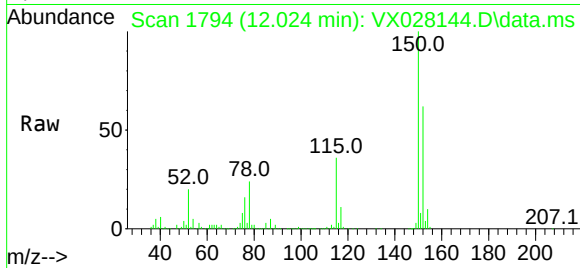




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028144.D
 Acq: 15 Apr 2022 19:29

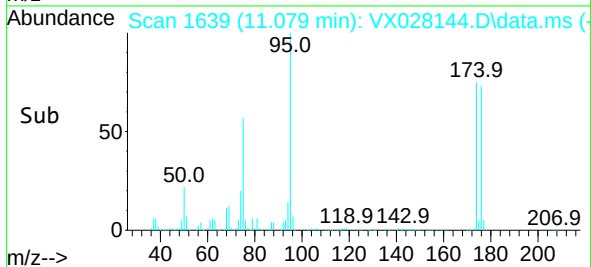
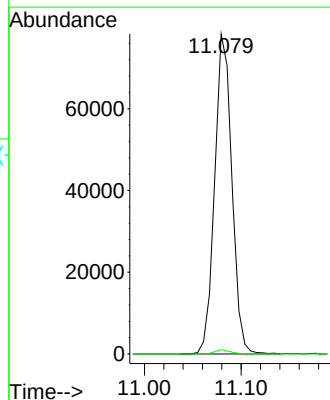
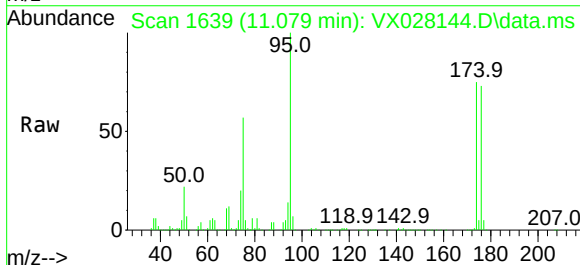
Instrument :
 MSVOA_X
 ClientSampleId :
 CS-7-SOIL-PILE-BELOW-BRIDGE

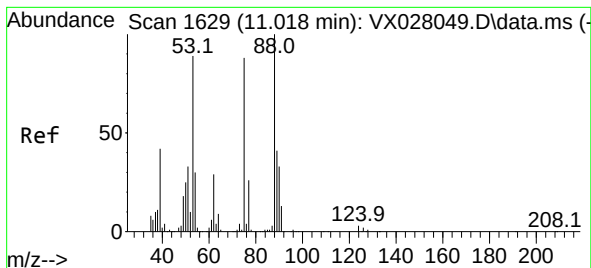
Tgt Ion:152 Resp: 182816
 Ion Ratio Lower Upper
 152 100
 115 57.8 37.5 112.7
 150 158.3 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.735 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028144.D
 Acq: 15 Apr 2022 19:29

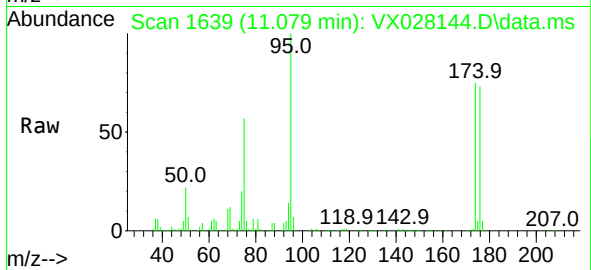
Tgt Ion: 75 Resp: 96601
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.850 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028144.D
 Acq: 15 Apr 2022 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 CS-7-SOIL-PILE-BELOW-BRIDGE



Tgt Ion: 75 Resp: 96601
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.1 37.0 55.6#

