

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041522\
 Data File : VX028140.D
 Acq On : 15 Apr 2022 17:56
 Operator : JC/MD
 Sample : N2394-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CS-3-SOIL-PILE

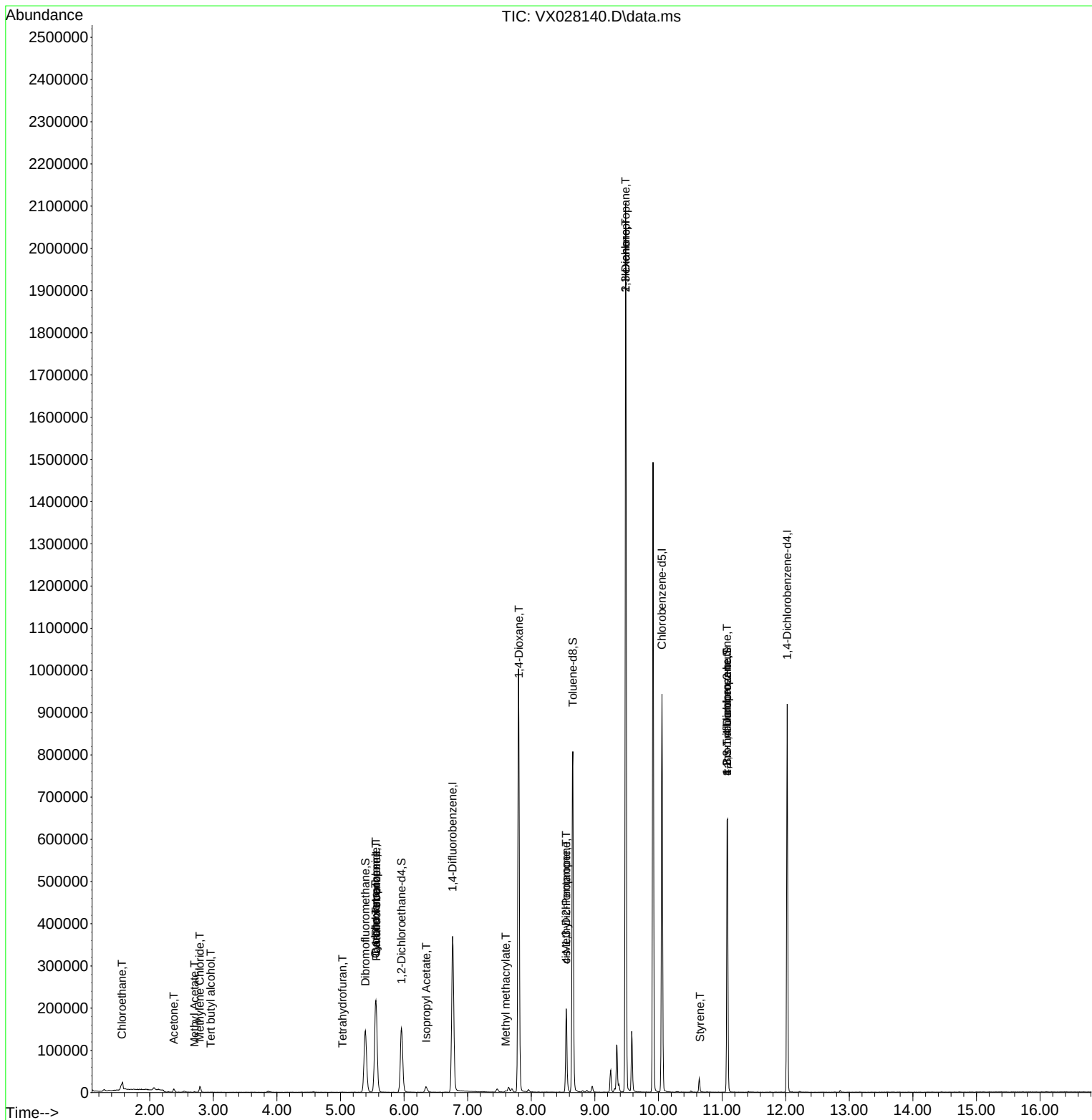
Quant Time: Apr 16 02:27:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

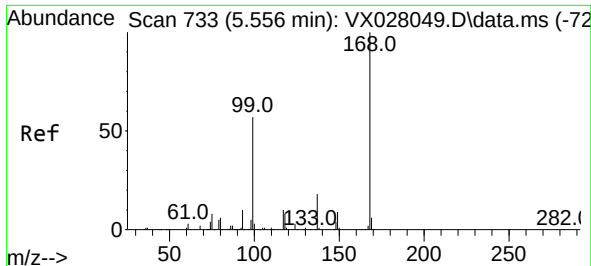
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	213521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	373273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138063	47.661	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.320%		
35) Dibromofluoromethane	5.391	113	120701	49.347	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.700%		
50) Toluene-d8	8.652	98	465865	51.069	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.140%		
62) 4-Bromofluorobenzene	11.079	95	161432	47.395	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.800%		
Target Compounds						Qvalue
5) Bromomethane	1.611	94	770	Below Cal		92
6) Chloroethane	1.562	64	4636	4.539 ug/l #		68
11) Tert butyl alcohol	2.958	59	149	0.222 ug/l #		72
13) Acrolein	2.202	56	56	Below Cal #		1
16) Acetone	2.379	43	7818	6.478 ug/l		92
18) Methyl Acetate	2.702	43	1251	0.388 ug/l		96
20) Methylene Chloride	2.788	84	5752	2.393 ug/l #		87
29) Tetrahydrofuran	5.031	42	382	0.280 ug/l #		50
31) Cyclohexane	5.549	56	4707	1.182 ug/l #		58
36) 1,1-Dichloropropene	5.555	75	16823	4.507 ug/l #		49
38) Carbon Tetrachloride	5.555	117	21542	5.405 ug/l #		15
43) Isopropyl Acetate	6.348	43	18360	2.534 ug/l		92
48) Methyl methacrylate	7.598	41	5039	1.524 ug/l #		7
49) 1,4-Dioxane	7.805	88	155	2.099 ug/l #		1
51) 4-Methyl-2-Pentanone	8.549	43	67784	14.674 ug/l #		42
54) cis-1,3-Dichloropropene	8.549	75	31803	6.960 ug/l #		73
57) 1,3-Dichloropropane	9.482	76	18092	3.717 ug/l #		43
59) 2-Hexanone	9.482	43	230962	63.842 ug/l #		42
70) Styrene	10.652	104	79	4.710 ug/l #		26
76) 1,2,3-Trichloropropane	11.079	75	88199	22.884 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.079	75	88199	64.452 ug/l #		15

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

Quant Time: Apr 16 02:27:25 2022
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Quant Title : SW846 8260
QLast Update : Tue Apr 12 22:07:23 2022
Response via : Initial Calibration

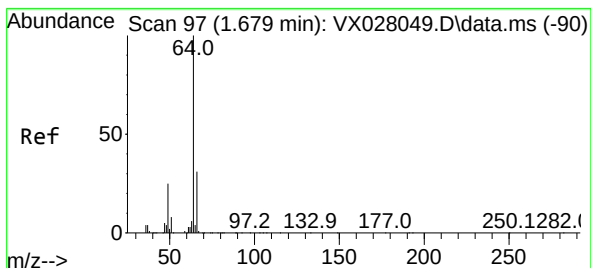
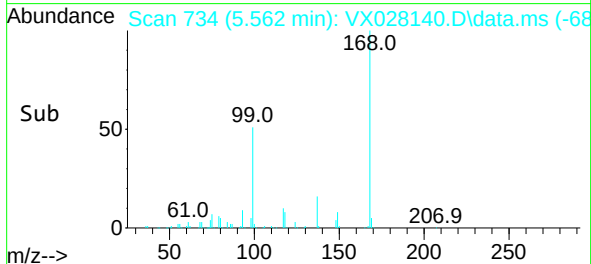
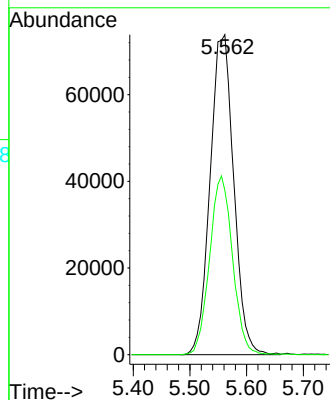
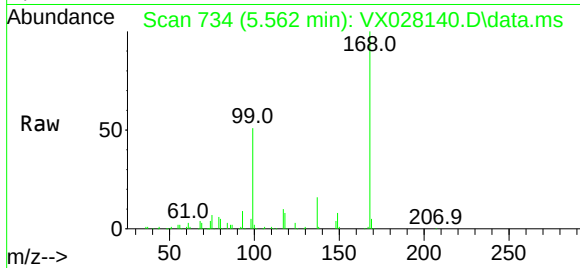




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

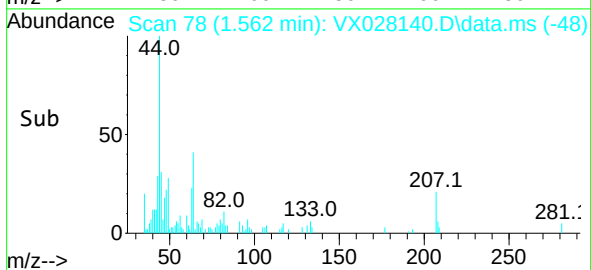
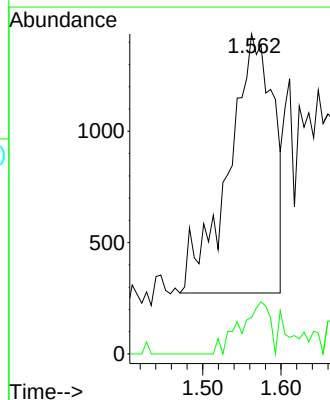
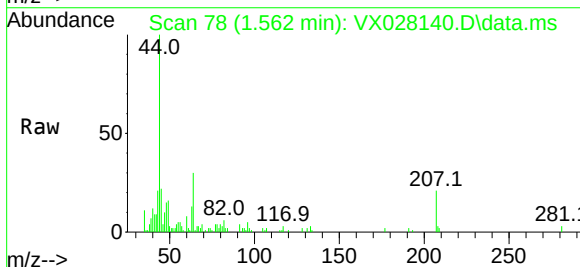
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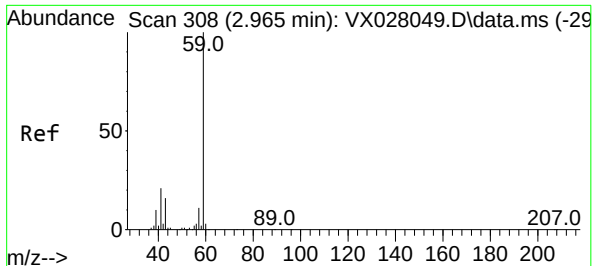
Tgt Ion:168 Resp: 213521
Ion Ratio Lower Upper
168 100
99 51.4 41.7 62.5



#6
Chloroethane
Concen: 4.539 ug/l
RT: 1.562 min Scan# 78
Delta R.T. -0.117 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Tgt Ion: 64 Resp: 4636
Ion Ratio Lower Upper
64 100
66 14.1 25.3 37.9





#11

Tert butyl alcohol

Concen: 0.222 ug/l

RT: 2.958 min Scan# 308

Delta R.T. -0.007 min

Lab File: VX028140.D

Acq: 15 Apr 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

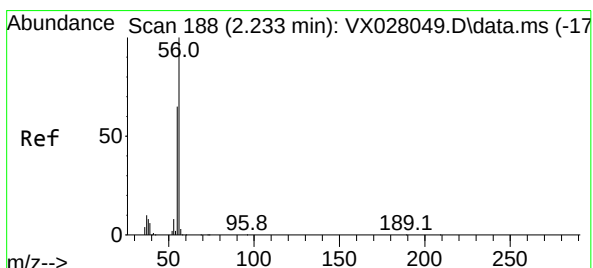
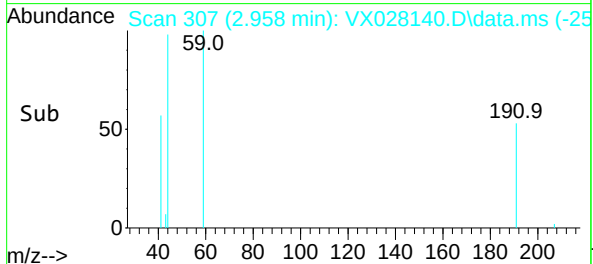
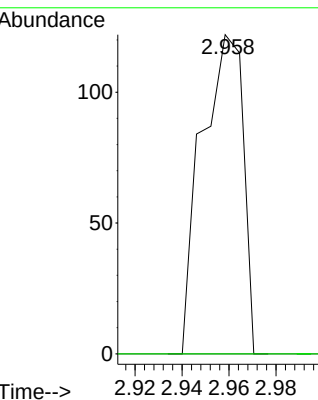
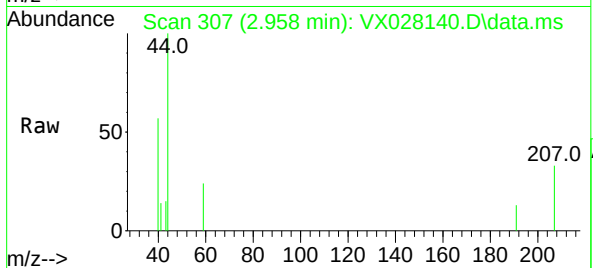
CS-3-SOIL-PILE

Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 2.202 min Scan# 183

Delta R.T. -0.031 min

Lab File: VX028140.D

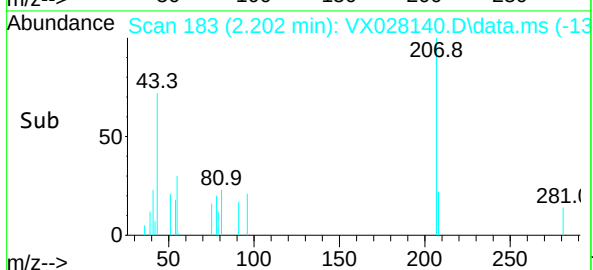
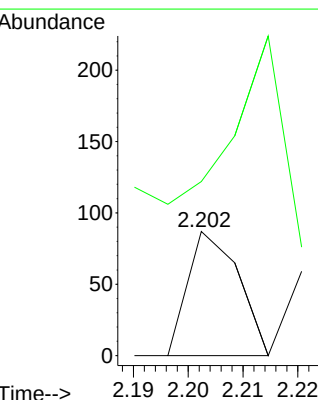
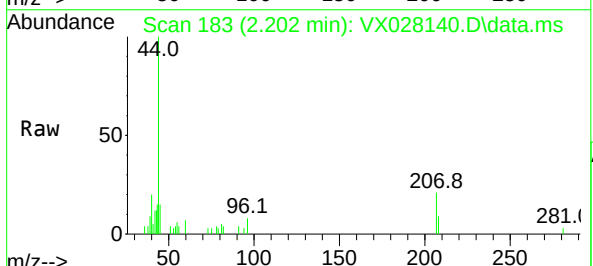
Acq: 15 Apr 2022 17:56

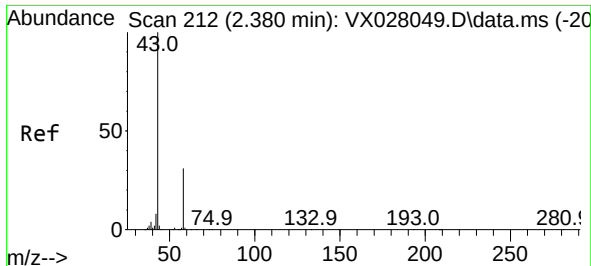
Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

55 376.8 55.0 82.6#

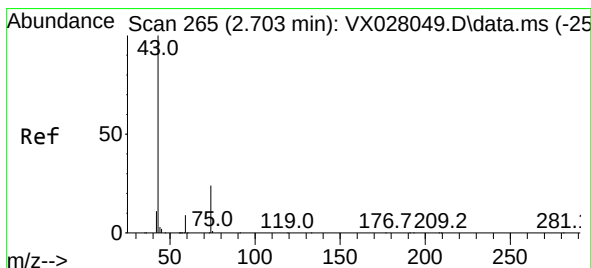
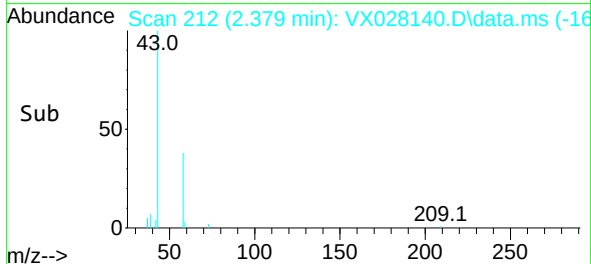
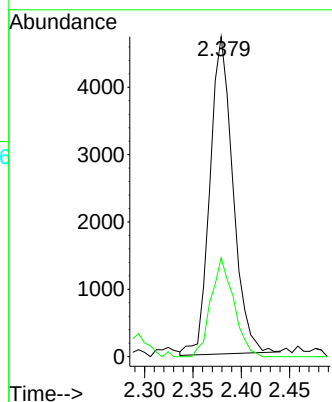
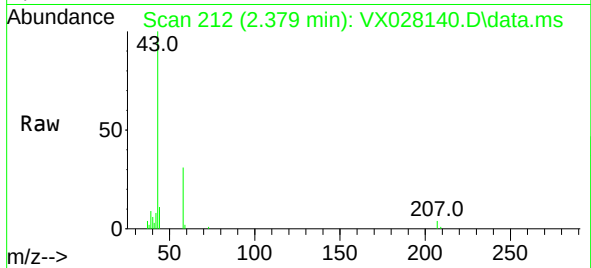




#16
Acetone
Concen: 6.478 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

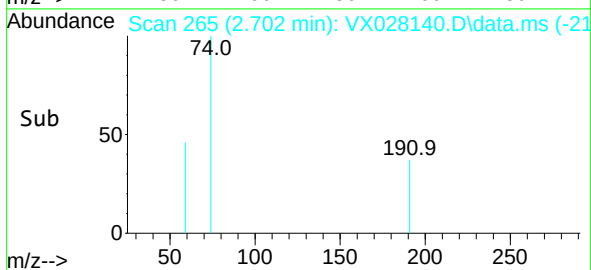
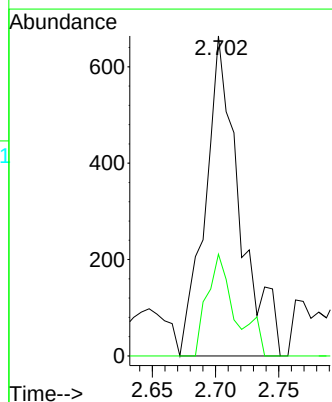
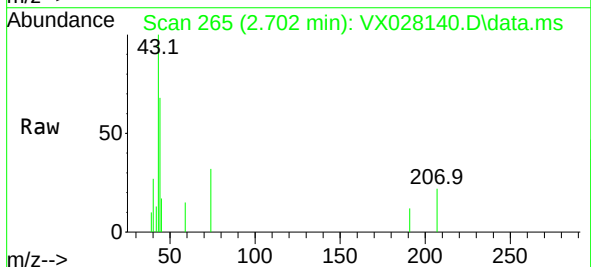
Instrument :
MSVOA_X
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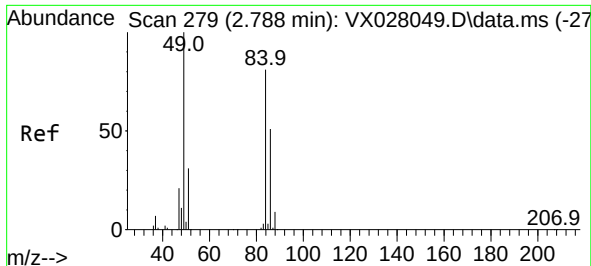
Tgt Ion: 43 Resp: 7818
Ion Ratio Lower Upper
43 100
58 31.4 28.8 43.2



#18
Methyl Acetate
Concen: 0.388 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.001 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

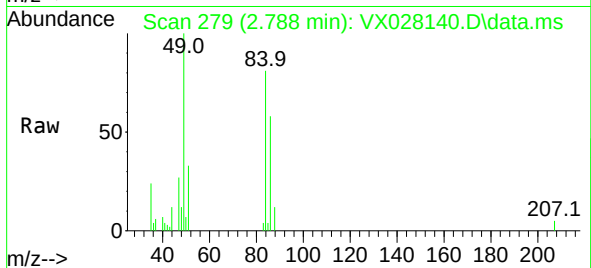
Tgt Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
74 26.3 22.8 34.2



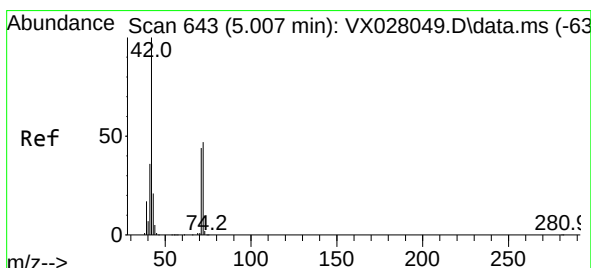
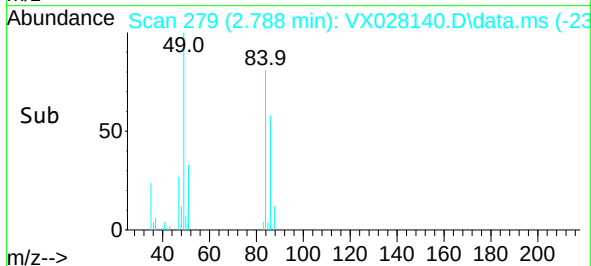
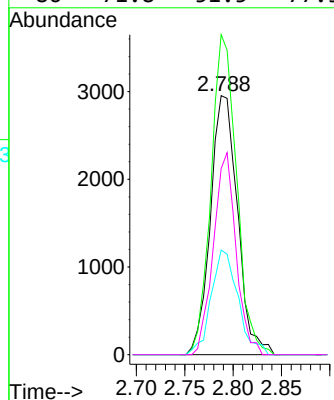


#20
Methylene Chloride
Concen: 2.393 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :
CS-3-SOIL-PILE

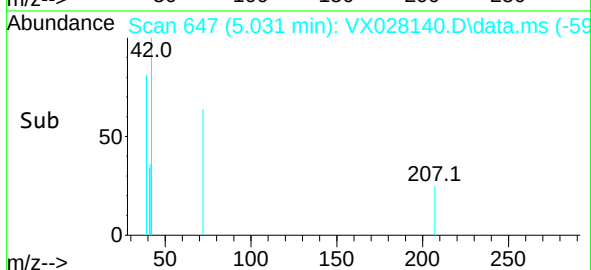
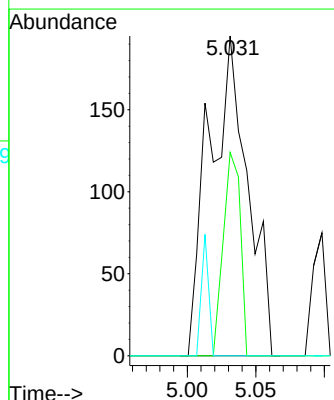
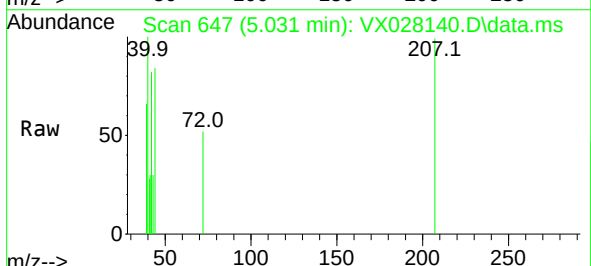


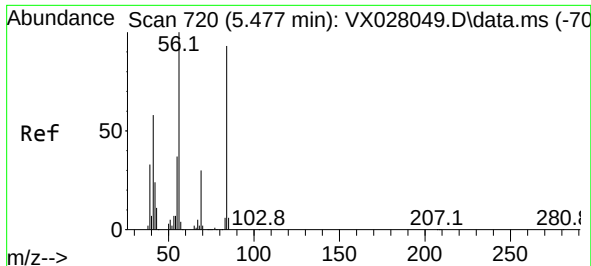
Tgt Ion:	84	Resp:	5752
Ion	Ratio	Lower	Upper
84	100		
49	123.5	85.5	128.3
51	40.4	26.6	39.8#
86	71.8	51.5	77.3



#29
Tetrahydrofuran
Concen: 0.280 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Tgt Ion:	42	Resp:	382
Ion	Ratio	Lower	Upper
42	100		
72	28.0	44.1	66.1#
71	7.1	40.5	60.7#

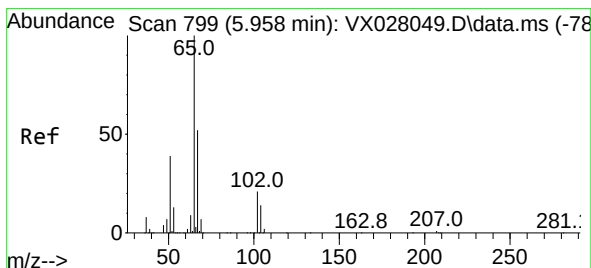
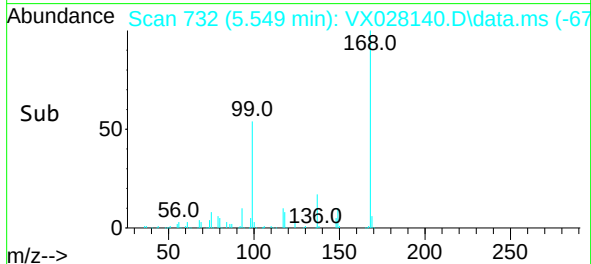
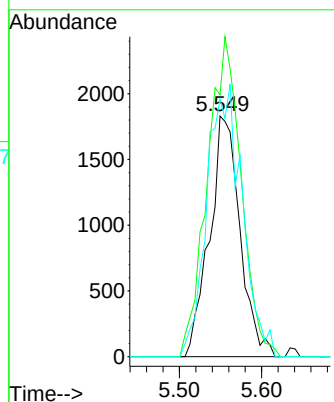
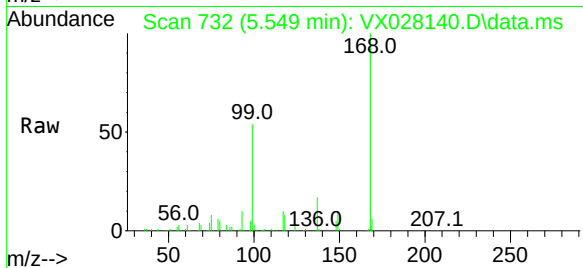




#31
Cyclohexane
Concen: 1.182 ug/l
RT: 5.549 min Scan# 712
Delta R.T. 0.072 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

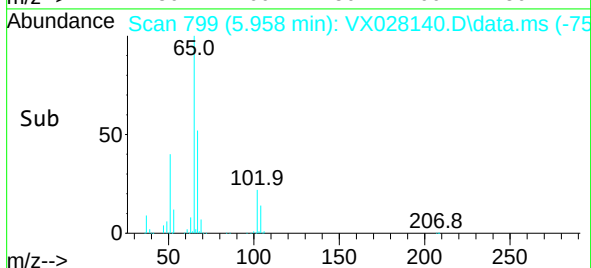
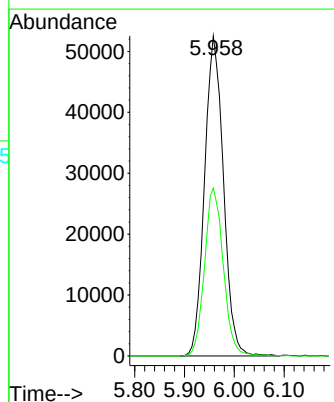
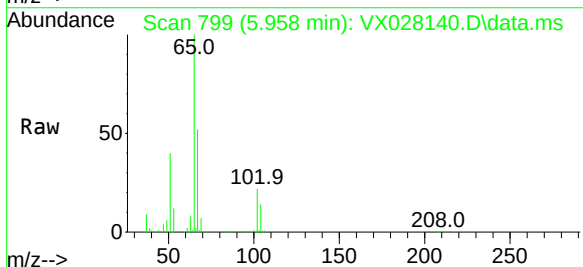
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MSVOA_X
ClientSampleId :
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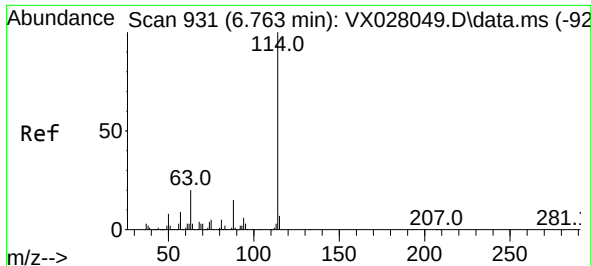
Tgt Ion: 56 Resp: 4707
Ion Ratio Lower Upper
56 100
69 108.8 26.7 40.1#
84 107.1 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 47.661 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Tgt Ion: 65 Resp: 138063
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

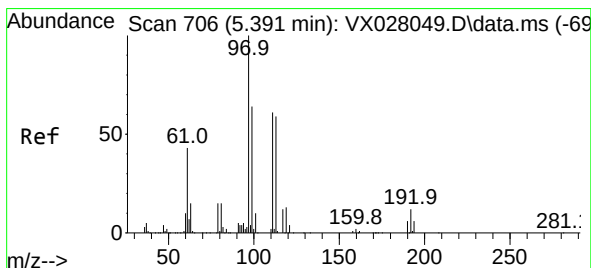
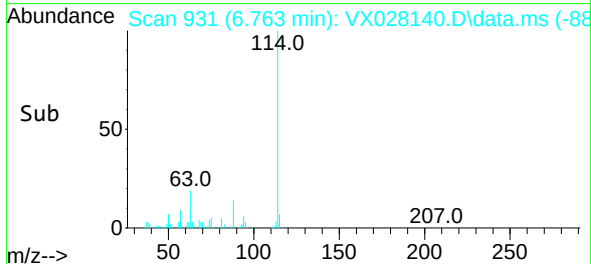
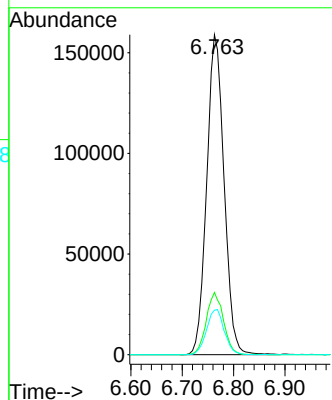
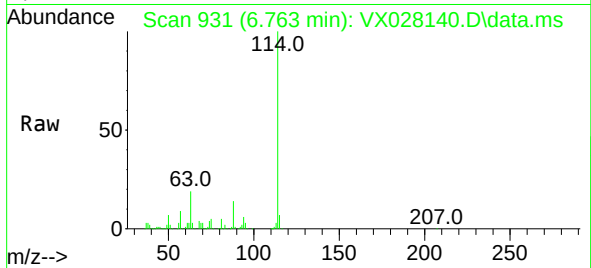




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

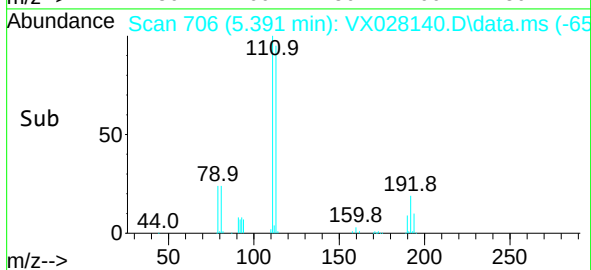
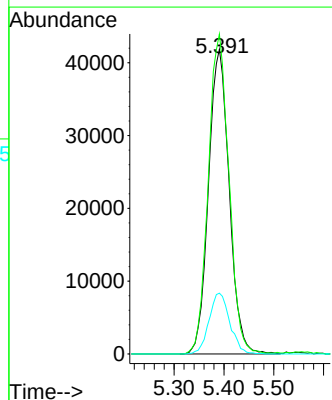
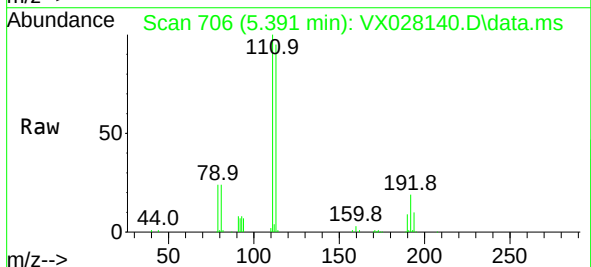
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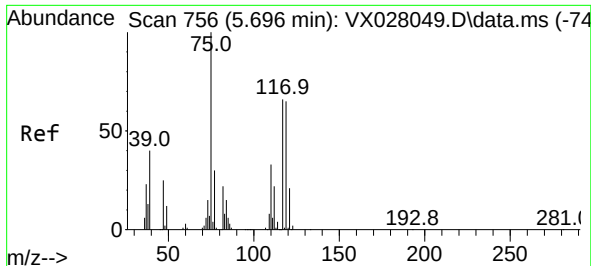
Tgt Ion:114 Resp: 373273
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.8
88 13.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.347 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Tgt Ion:113 Resp: 120701
Ion Ratio Lower Upper
113 100
111 104.8 82.8 124.2
192 20.0 16.9 25.3

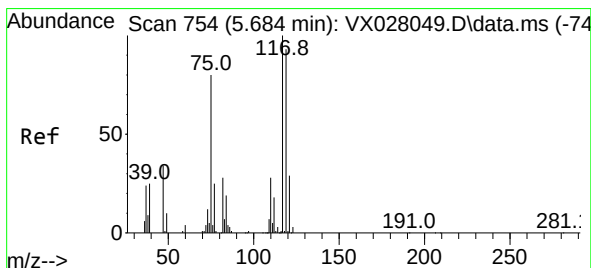
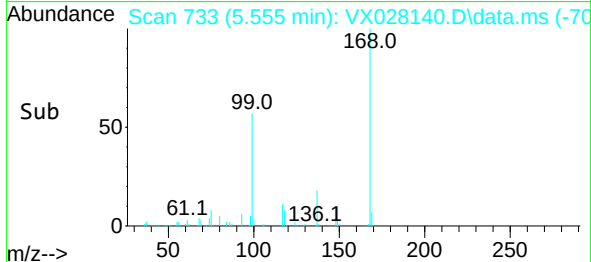
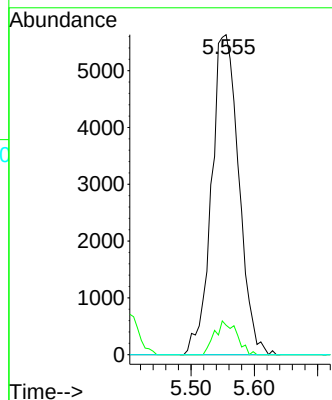
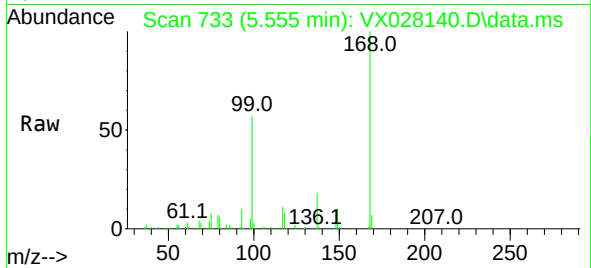




#36
1,1-Dichloropropene
Concen: 4.507 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

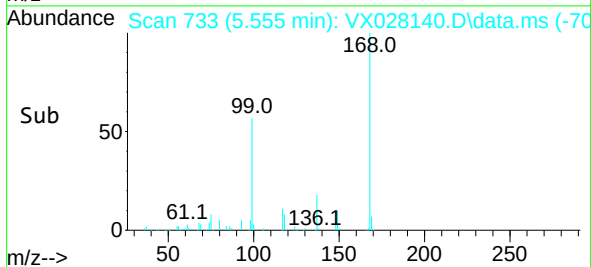
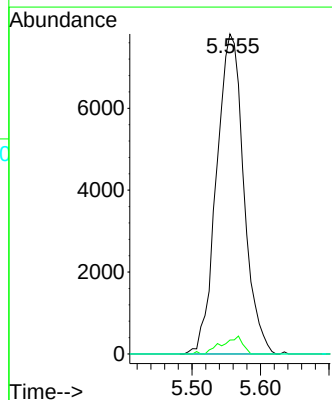
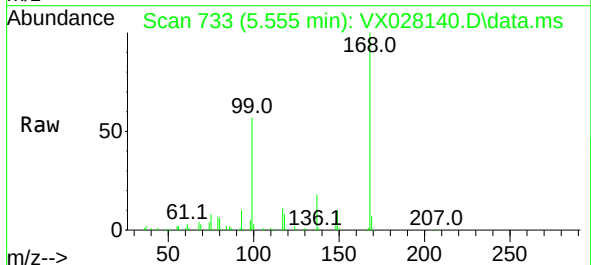
Instrument :
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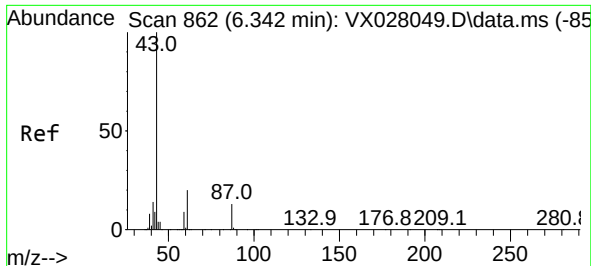
Tgt Ion: 75 Resp: 16823
Ion Ratio Lower Upper
75 100
110 8.5 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.405 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.129 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Tgt Ion: 117 Resp: 21542
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#

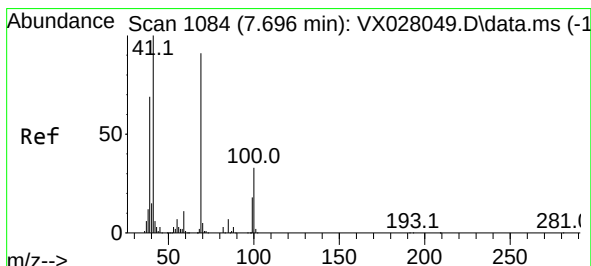
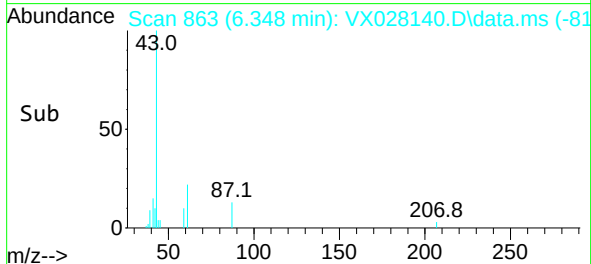
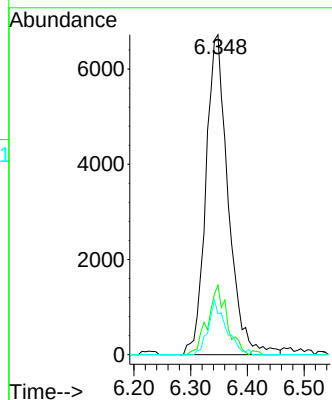
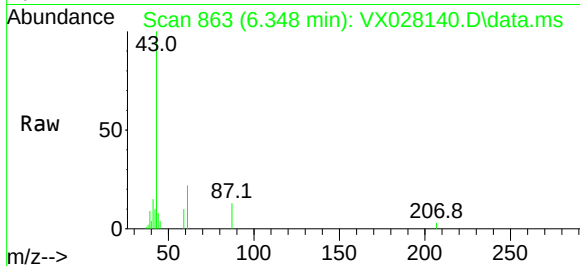




#43
Isopropyl Acetate
Concen: 2.534 ug/l
RT: 6.348 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

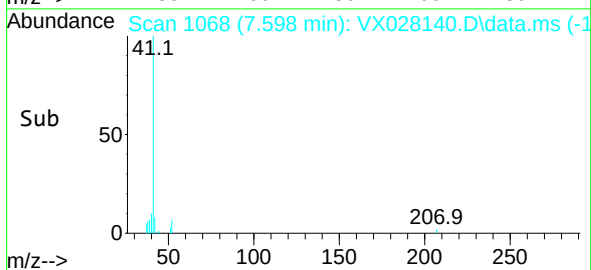
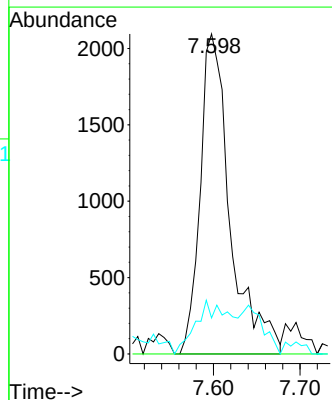
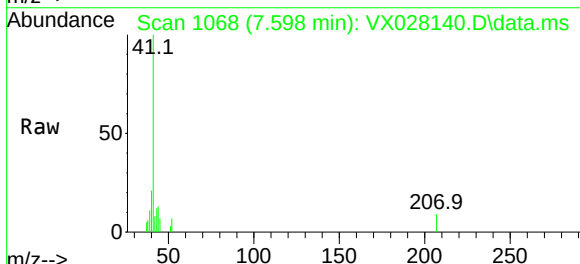
Instrument :
MSVOA_X
ClientSampleId :
CS-3-SOIL-PILE

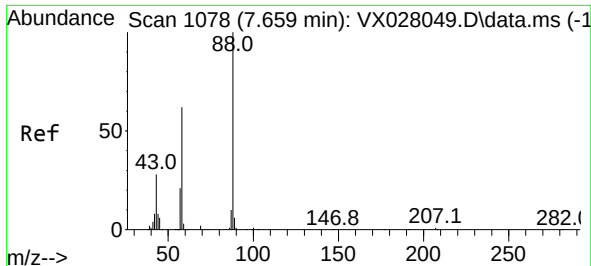
Tgt Ion: 43 Resp: 18360
Ion Ratio Lower Upper
43 100
61 18.9 18.5 27.7
87 13.6 13.0 19.6



#48
Methyl methacrylate
Concen: 1.524 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Tgt Ion: 41 Resp: 5039
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: 2.099 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX028140.D

Acq: 15 Apr 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

CS-3-SOIL-PILE

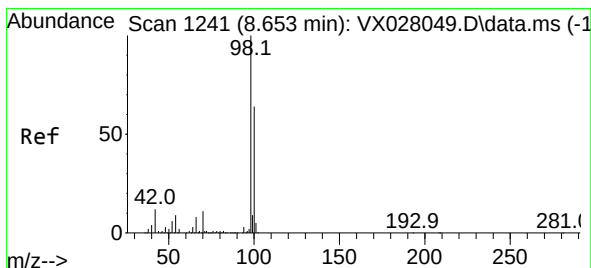
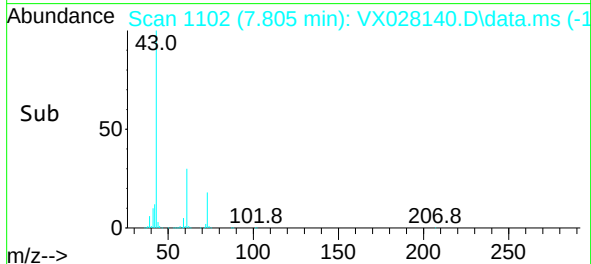
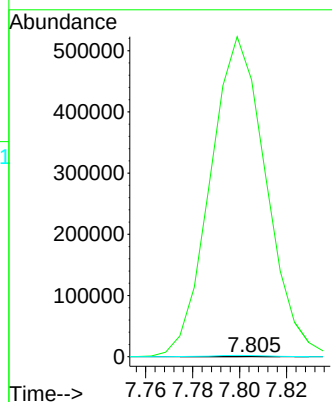
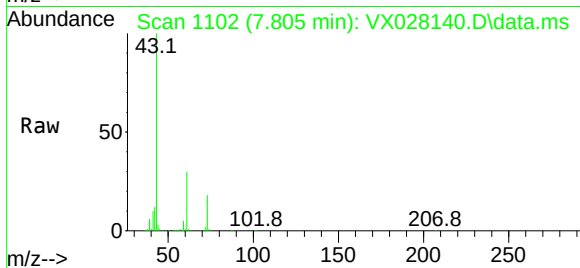
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 563340.0 21.9 32.9#

58 2245.2 53.7 80.5#



#50

Toluene-d8

Concen: 51.069 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX028140.D

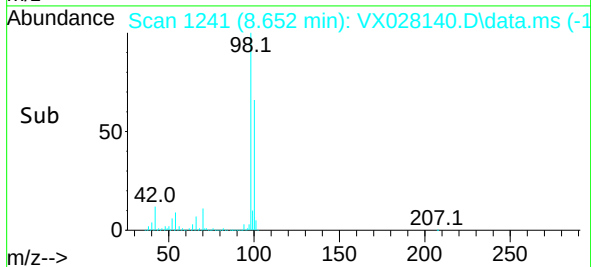
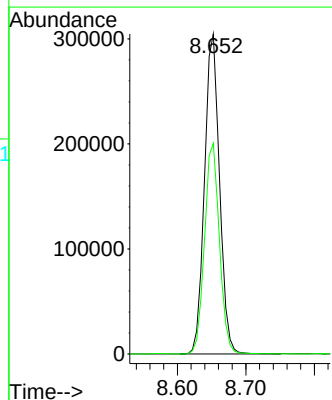
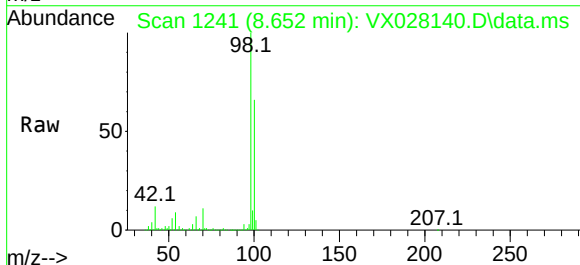
Acq: 15 Apr 2022 17:56

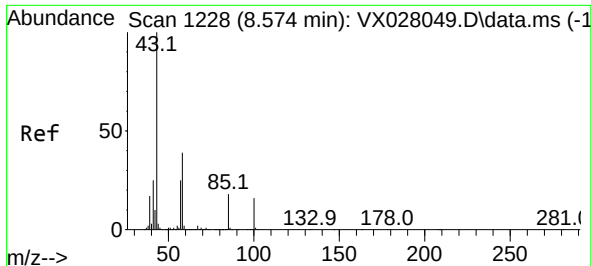
Tgt Ion: 98 Resp: 465865

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 14.674 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028140.D

Acq: 15 Apr 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

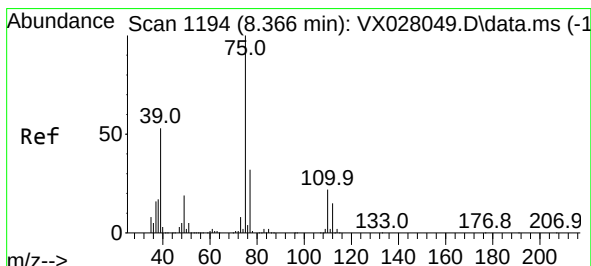
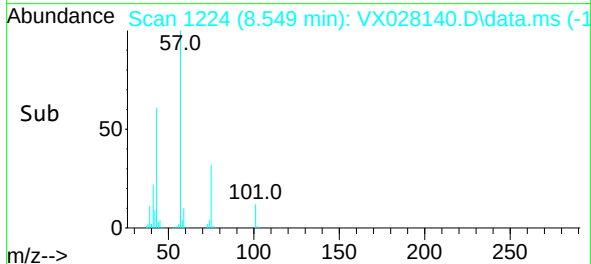
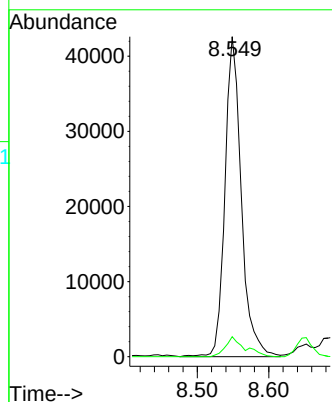
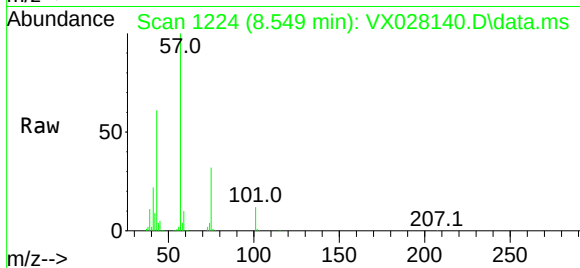
CS-3-SOIL-PILE

Tgt Ion: 43 Resp: 67784

Ion Ratio Lower Upper

43 100

58 7.4 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 6.960 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028140.D

Acq: 15 Apr 2022 17:56

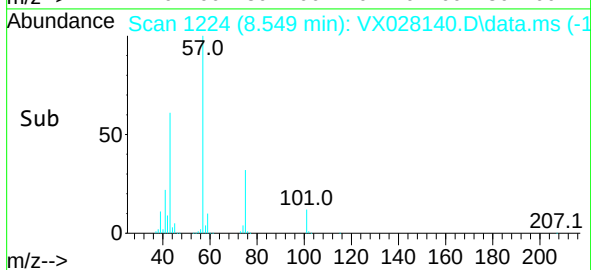
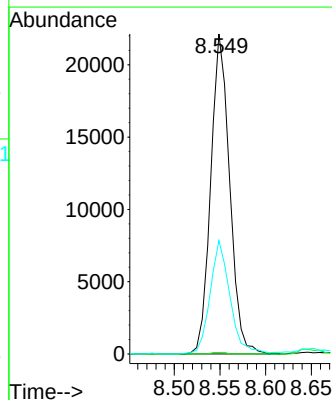
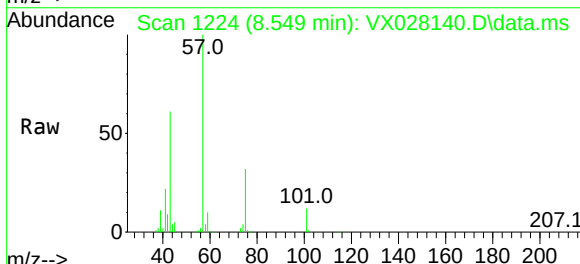
Tgt Ion: 75 Resp: 31803

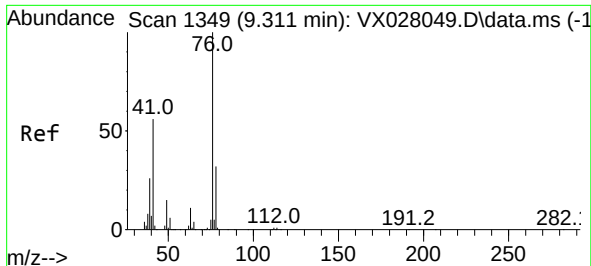
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 35.5 29.6 44.4

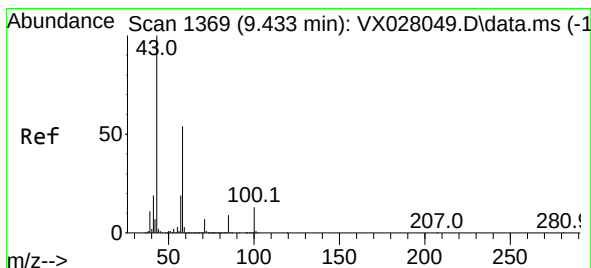
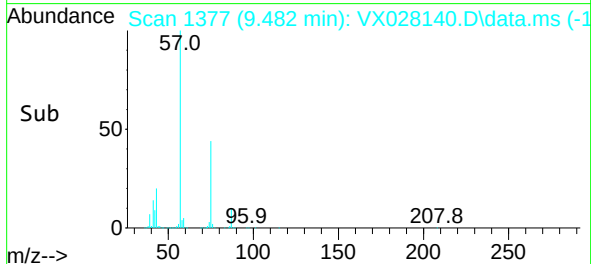
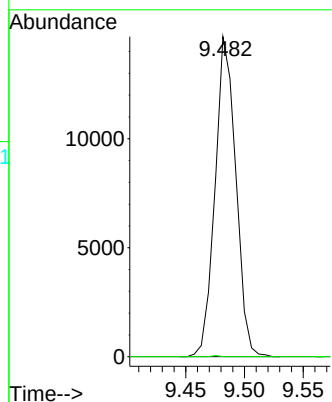
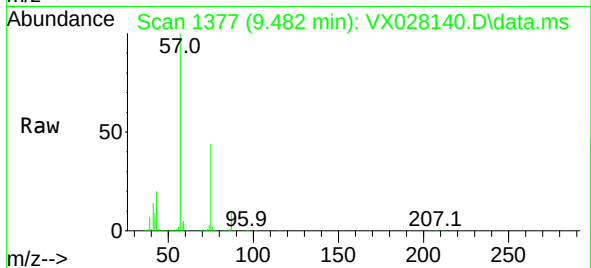




#57
1,3-Dichloropropane
Concen: 3.717 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

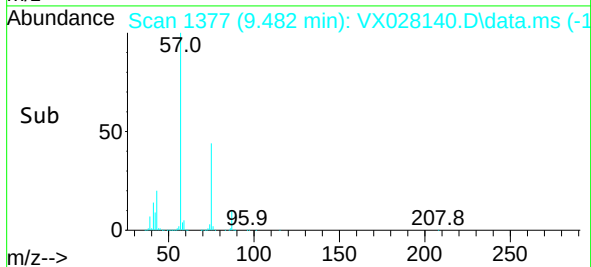
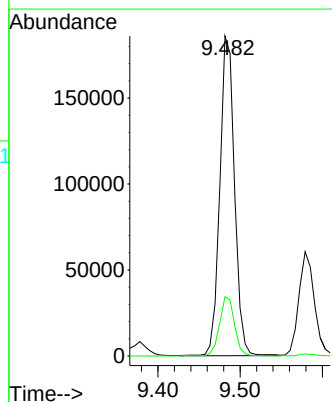
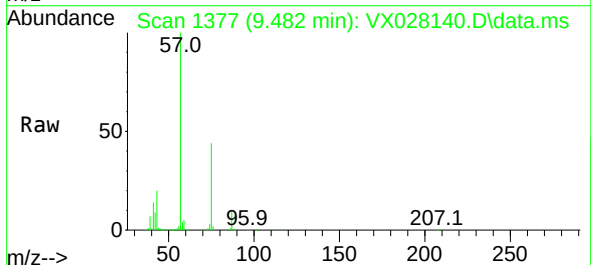
Instrument :
MSVOA_X
ClientSampleId :
CS-3-SOIL-PILE

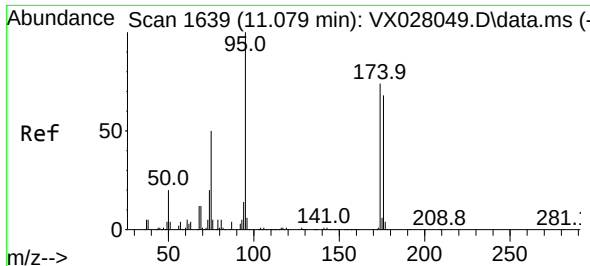
Tgt Ion: 76 Resp: 18092
Ion Ratio Lower Upper
76 100
78 0.1 25.8 38.8#



#59
2-Hexanone
Concen: 63.842 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Tgt Ion: 43 Resp: 230962
Ion Ratio Lower Upper
43 100
58 18.9 31.9 95.7#

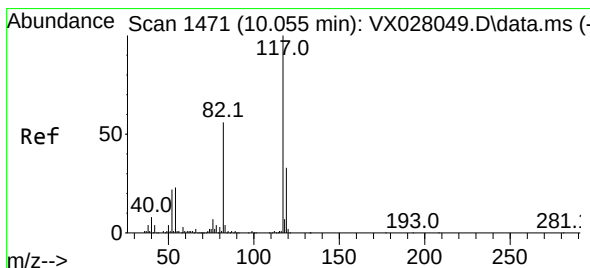
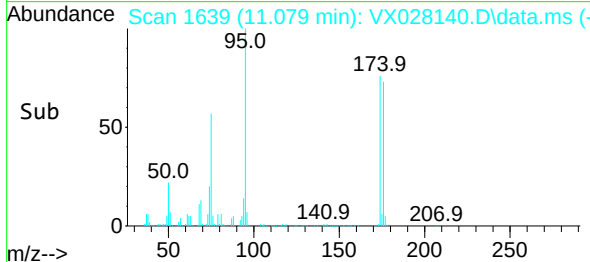
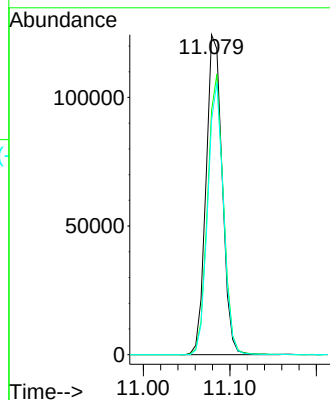
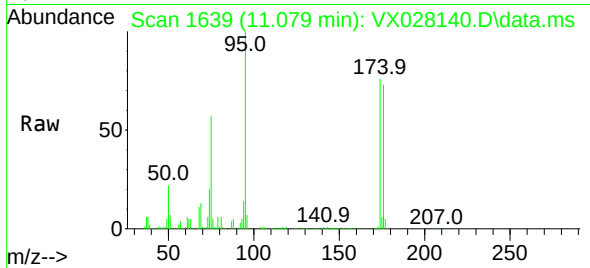




#62
4-Bromofluorobenzene
Concen: 47.395 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

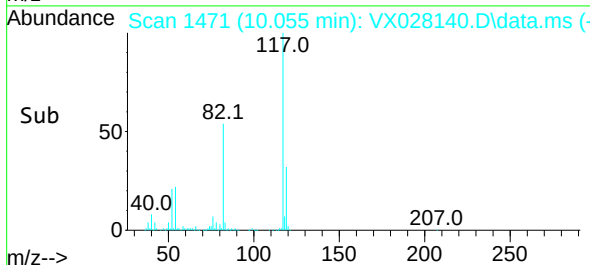
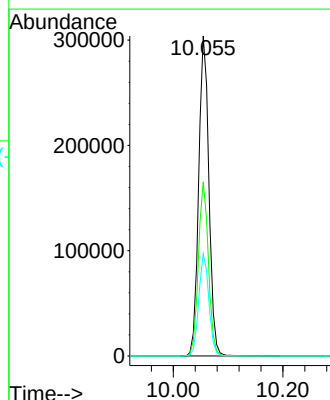
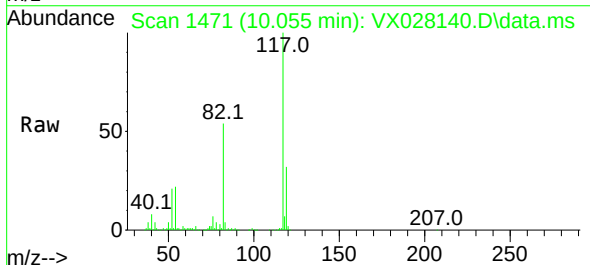
Instrument :
MSVOA_X
ClientSampleId :
CS-3-SOIL-PILE

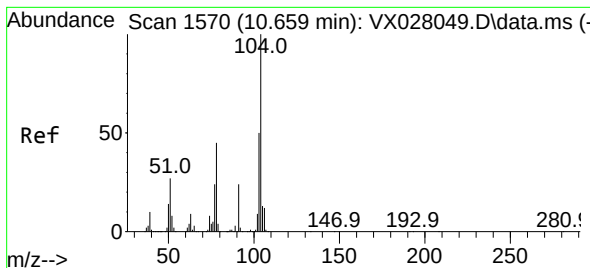
Tgt Ion: 95 Resp: 161432
Ion Ratio Lower Upper
95 100
174 86.0 0.0 163.0
176 82.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Tgt Ion: 117 Resp: 394844
Ion Ratio Lower Upper
117 100
82 54.4 41.8 62.8
119 32.0 24.8 37.2





#70

Styrene

Concen: 4.710 ug/l

RT: 10.652 min Scan# 11

Delta R.T. -0.007 min

Lab File: VX028140.D

Acq: 15 Apr 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

CS-3-SOIL-PILE

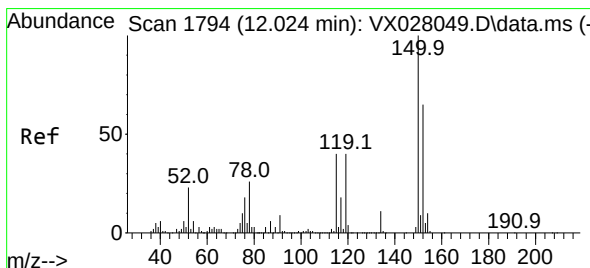
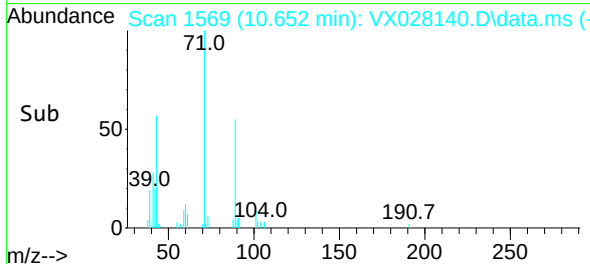
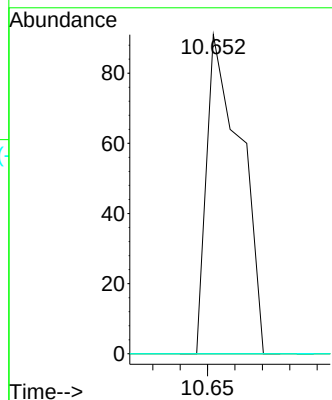
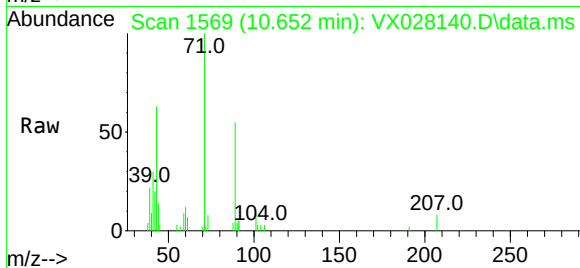
Tgt Ion:104 Resp: 79

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# 1794

Delta R.T. -0.000 min

Lab File: VX028140.D

Acq: 15 Apr 2022 17:56

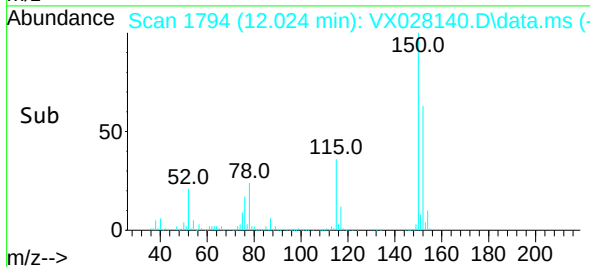
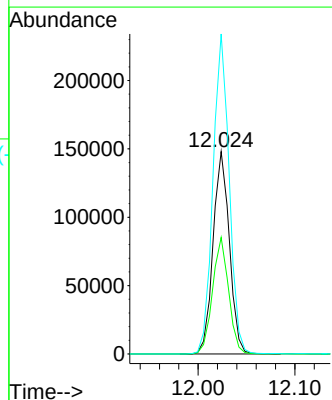
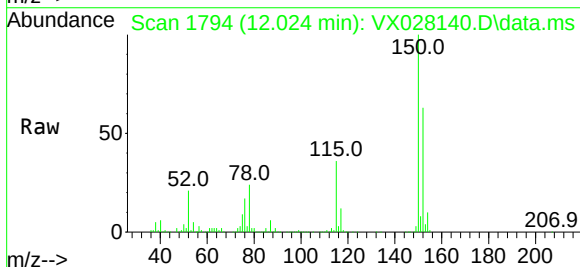
Tgt Ion:152 Resp: 173125

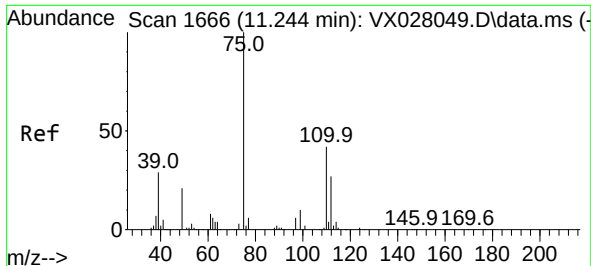
Ion Ratio Lower Upper

152 100

115 56.8 37.5 112.7

150 157.3 0.0 338.2

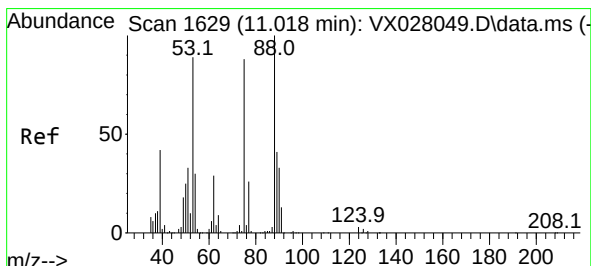
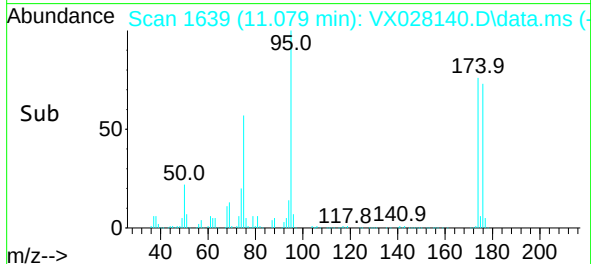
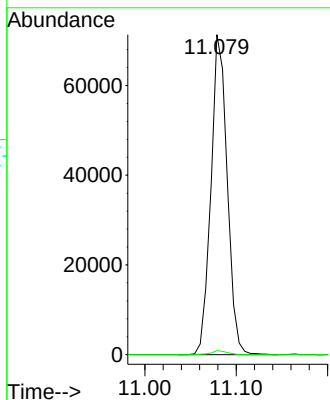
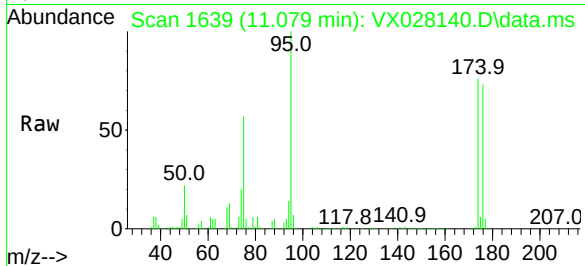




#76
1,2,3-Trichloropropane
Concen: 22.884 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :
CS-3-SOIL-PILE

Tgt Ion: 75 Resp: 88199
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028140.D
Acq: 15 Apr 2022 17:56

Tgt Ion: 75 Resp: 88199
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

