

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040522\
 Data File : VD072531.D
 Acq On : 05 Apr 2022 13:24
 Operator : VA/SY
 Sample : N2229-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUM

Quant Time: Apr 06 01:11:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

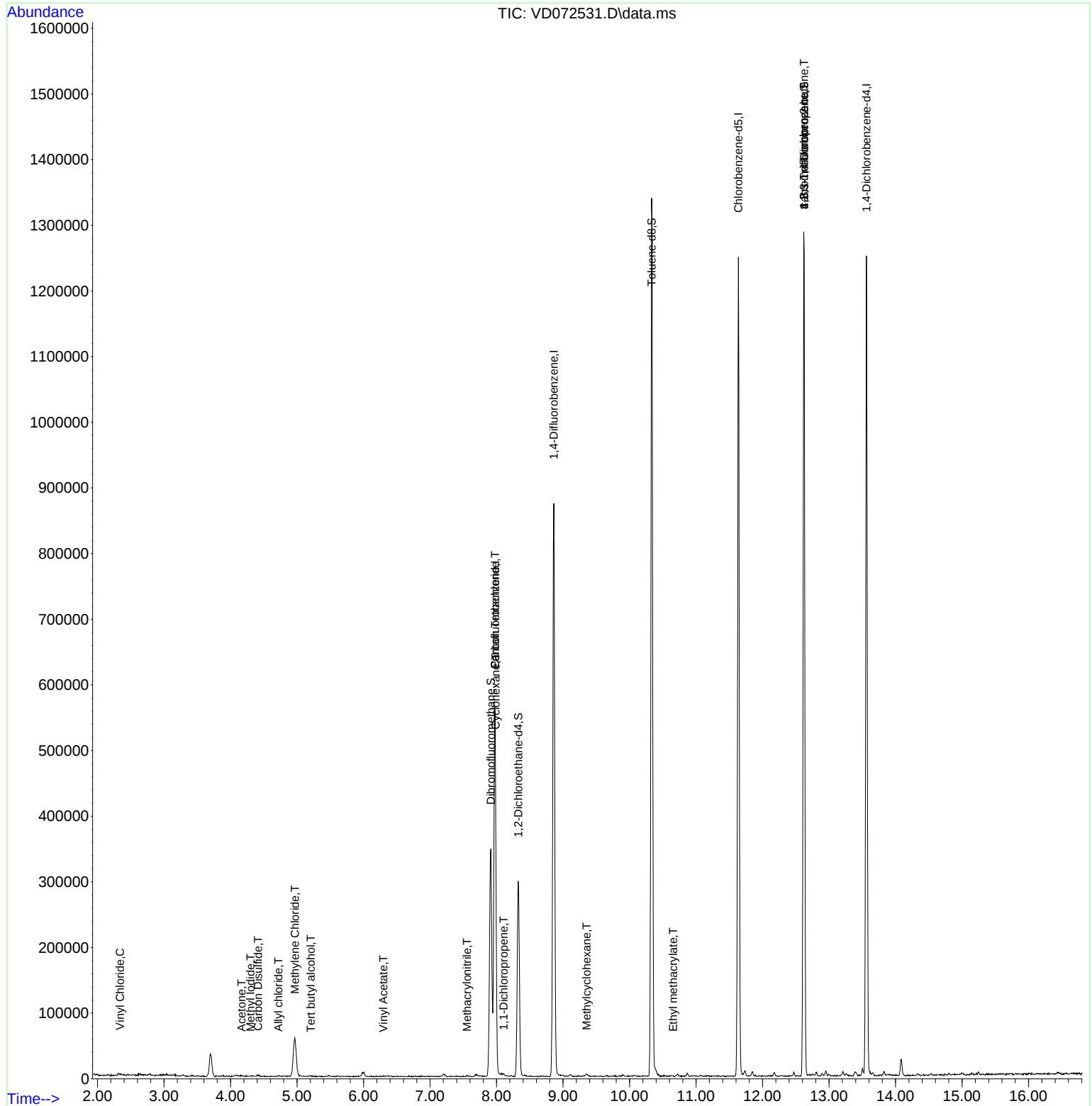
Internal Standards						
1) Pentafluorobenzene	7.979	168	413095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	754264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	709129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	325250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	242931	48.614	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.220%		
35) Dibromofluoromethane	7.914	113	256026	43.678	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.360%		
50) Toluene-d8	10.332	98	918195	45.064	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.120%		
62) 4-Bromofluorobenzene	12.626	95	324251	40.747	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.500%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.338	62	681	1.142	ug/l #	43
10) Methyl Iodide	4.303	142	1520	4.049	ug/l #	61
11) Tert butyl alcohol	5.208	59	310	1.175	ug/l #	74
14) Allyl chloride	4.720	41	460	1.196	ug/l #	39
16) Acetone	4.167	43	1887	2.025	ug/l #	47
17) Carbon Disulfide	4.414	76	3788	4.063	ug/l #	71
20) Methylene Chloride	4.967	84	48279	8.703	ug/l #	78
23) Vinyl Acetate	6.297	43	831	6.390	ug/l #	75
31) Cyclohexane	7.985	56	10389	1.590	ug/l #	1
36) 1,1-Dichloropropene	8.108	75	1010	1.256	ug/l #	68
38) Carbon Tetrachloride	7.979	117	43375	5.371	ug/l #	17
39) Methylcyclohexane	9.355	83	1575	3.047	ug/l #	75
41) Methacrylonitrile	7.555	41	190	1.759	ug/l #	1
56) Ethyl methacrylate	10.655	69	130	1.214	ug/l #	64
76) 1,2,3-Trichloropropane	12.626	75	167525	47.225	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	167525	115.881	ug/l #	7

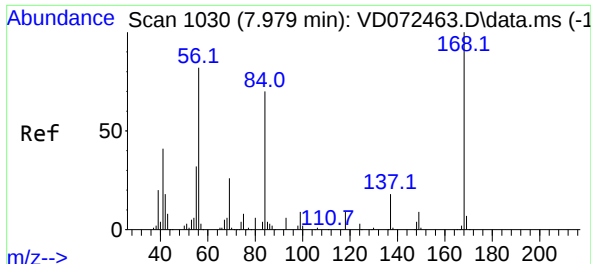
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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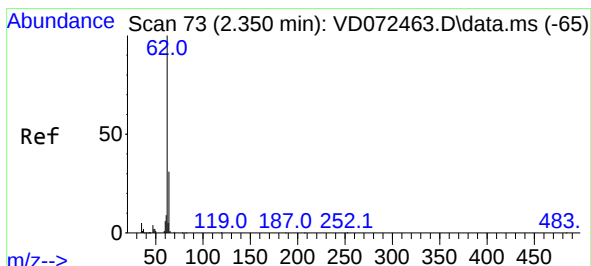
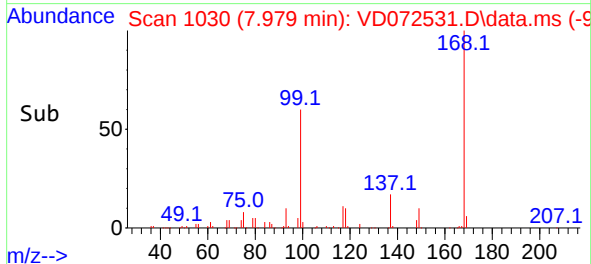
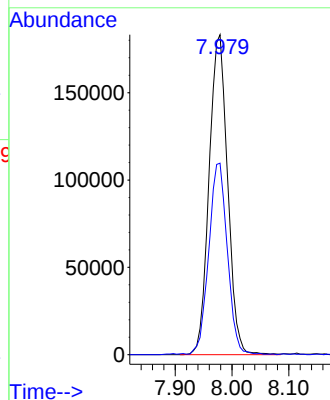
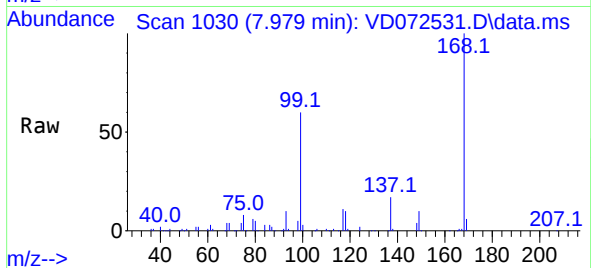




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

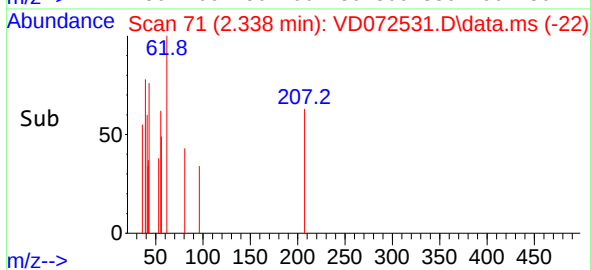
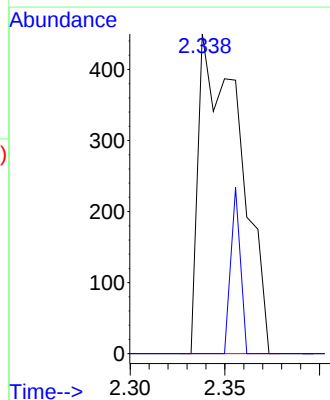
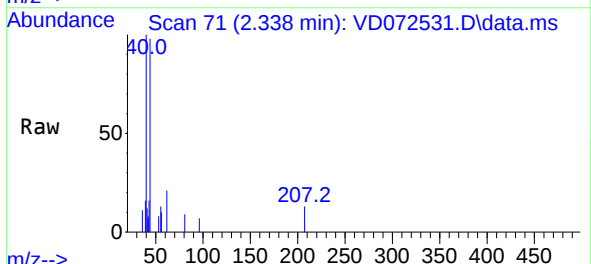
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

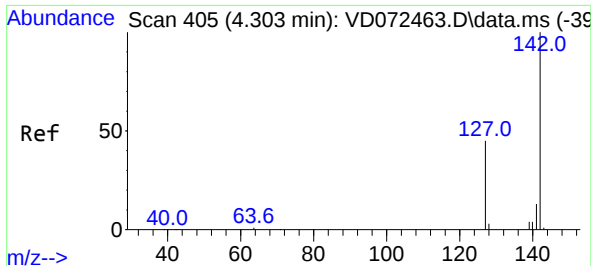
Tgt Ion:168 Resp: 413095
Ion Ratio Lower Upper
168 100
99 59.7 49.8 74.6



#4
Vinyl Chloride
Concen: 1.142 ug/l
RT: 2.338 min Scan# 71
Delta R.T. -0.012 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

Tgt Ion: 62 Resp: 681
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

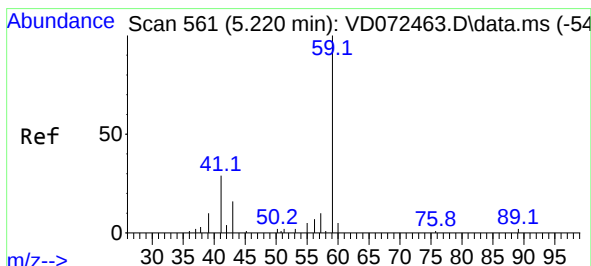
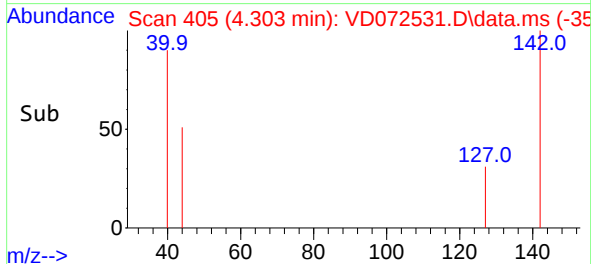
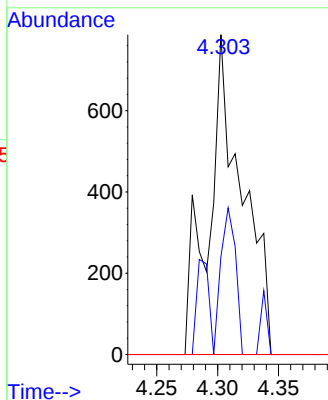
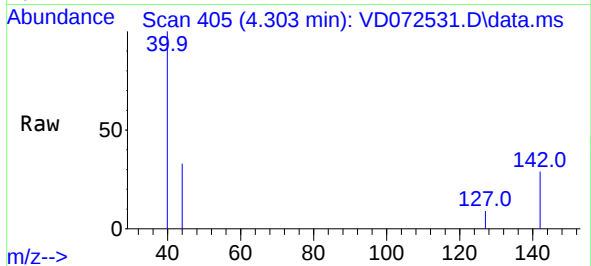




#10
Methyl Iodide
Concen: 4.049 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

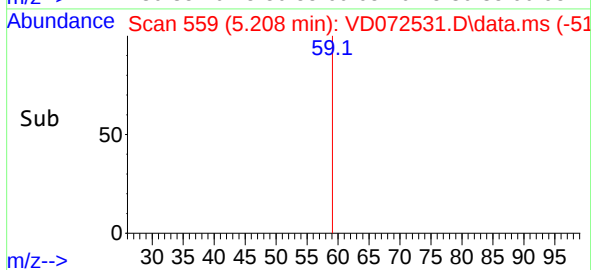
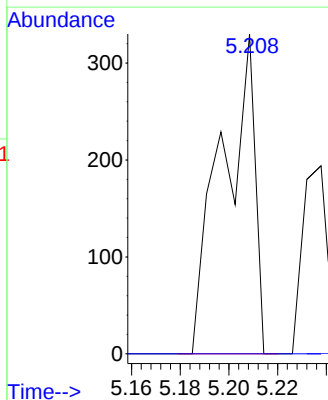
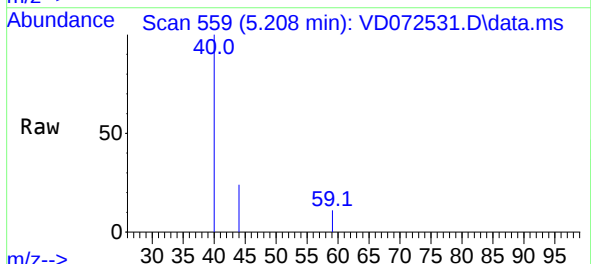
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

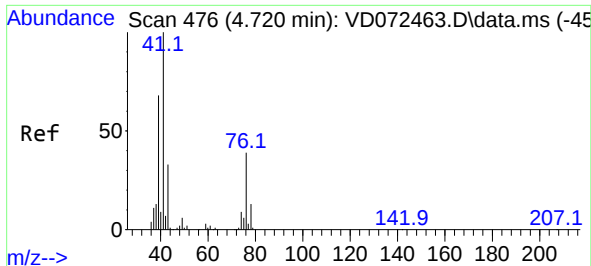
Tgt Ion:142 Resp: 1520
Ion Ratio Lower Upper
142 100
127 20.1 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.175 ug/l
RT: 5.208 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

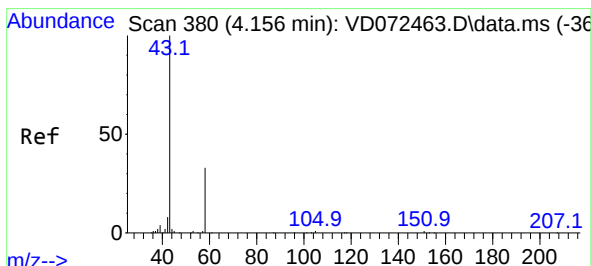
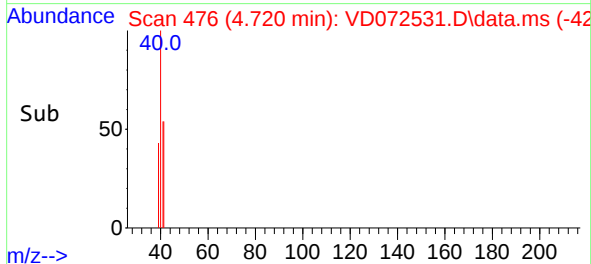
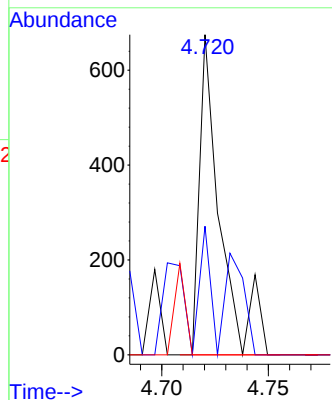
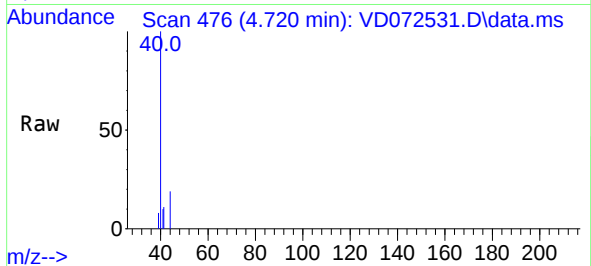




#14
 Allyl chloride
 Concen: 1.196 ug/l
 RT: 4.720 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VD072531.D
 Acq: 05 Apr 2022 13:24

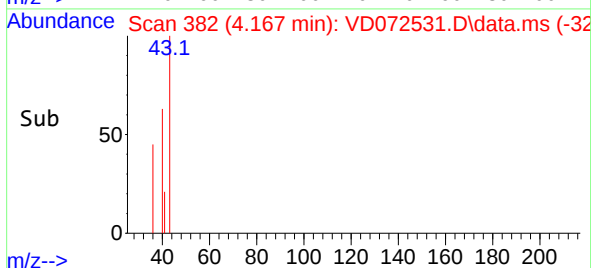
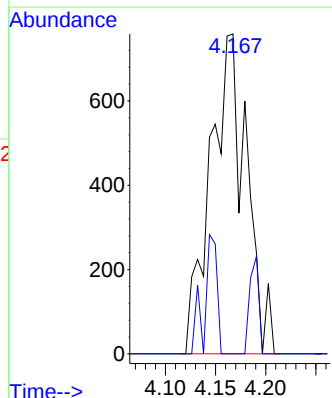
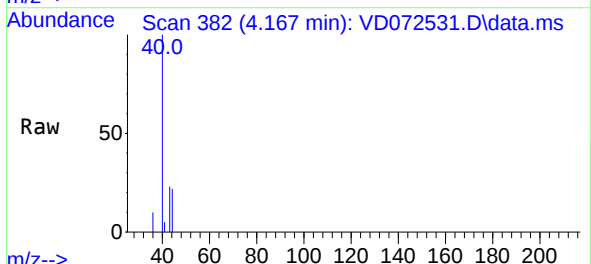
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUM

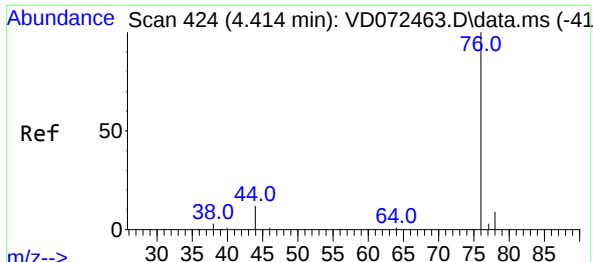
Tgt Ion: 41 Resp: 460
 Ion Ratio Lower Upper
 41 100
 39 20.9 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 2.025 ug/l
 RT: 4.167 min Scan# 382
 Delta R.T. 0.012 min
 Lab File: VD072531.D
 Acq: 05 Apr 2022 13:24

Tgt Ion: 43 Resp: 1887
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.1 33.1#

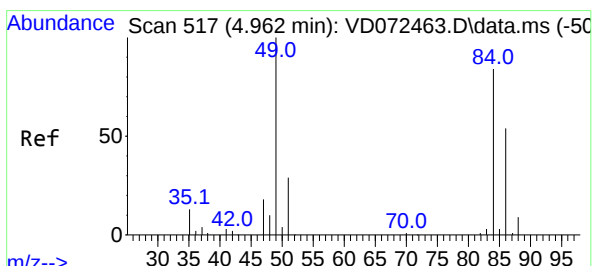
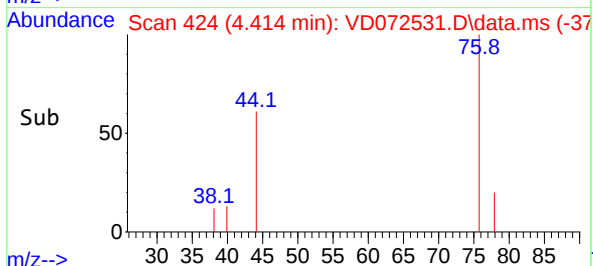
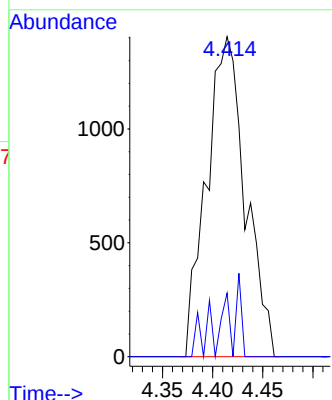
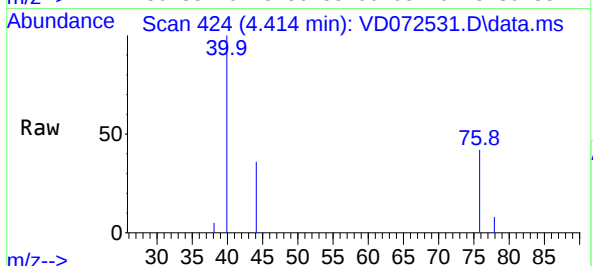




#17
Carbon Disulfide
Concen: 4.063 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

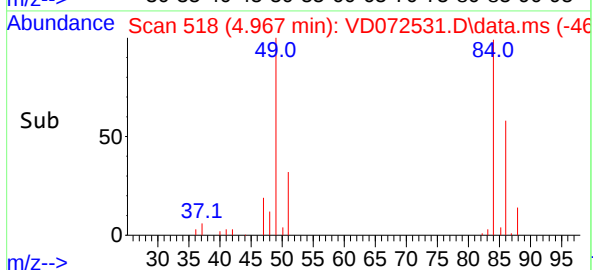
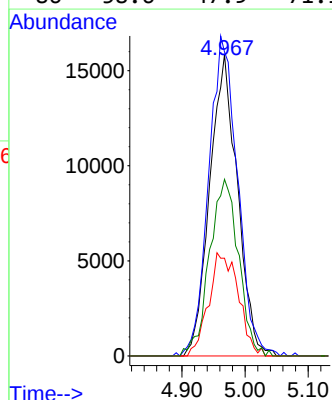
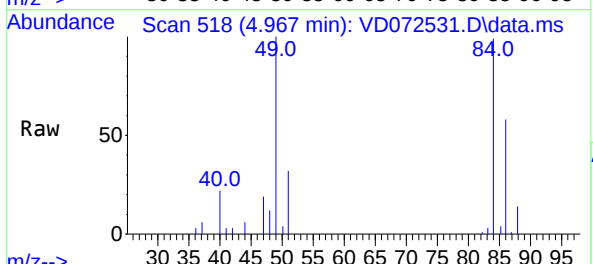
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

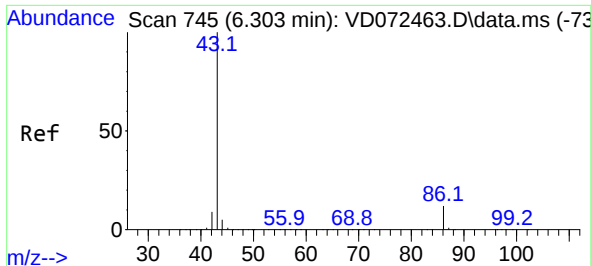
Tgt Ion: 76 Resp: 3788
Ion Ratio Lower Upper
76 100
78 19.9 7.5 11.3#



#20
Methylene Chloride
Concen: 8.703 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

Tgt Ion: 84 Resp: 48279
Ion Ratio Lower Upper
84 100
49 100.8 112.8 169.2#
51 32.4 32.6 48.8#
86 58.6 47.9 71.9

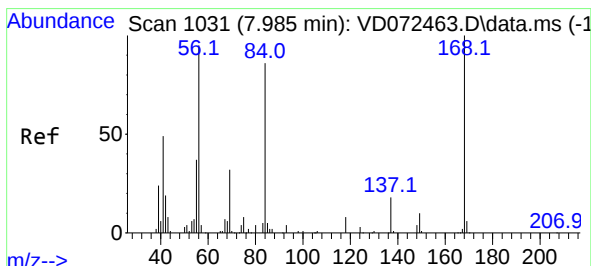
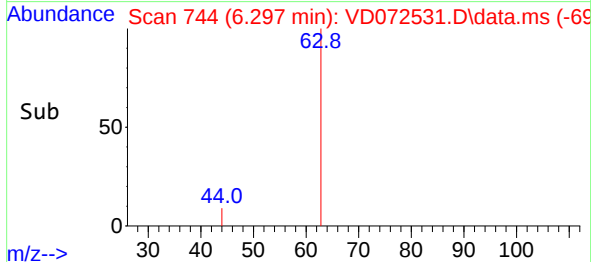
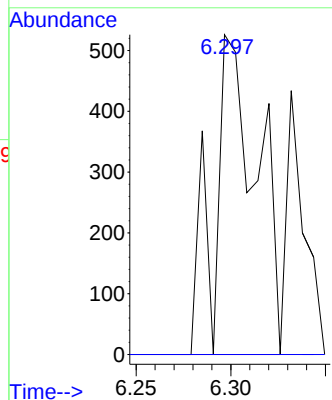
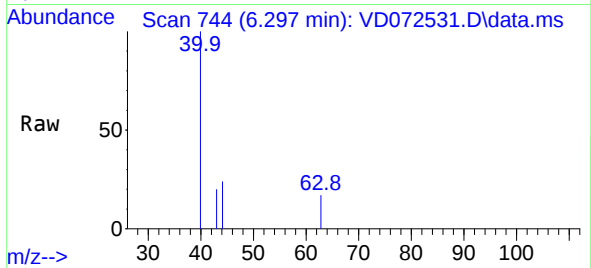




#23
 Vinyl Acetate
 Concen: 6.390 ug/l
 RT: 6.297 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD072531.D
 Acq: 05 Apr 2022 13:24

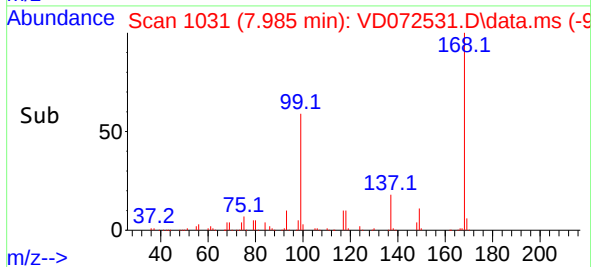
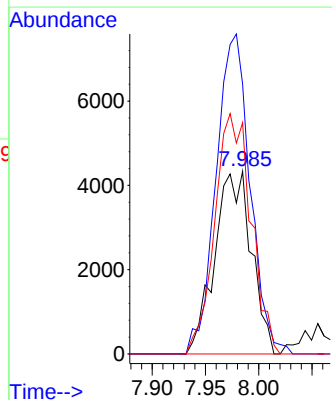
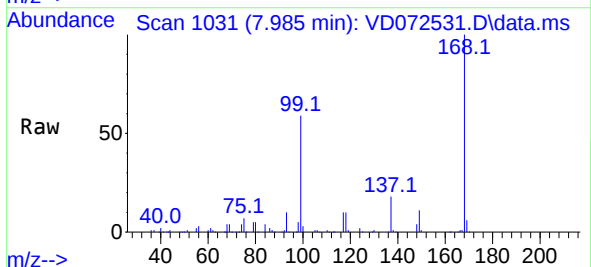
Instrument :
 MSVOA_D
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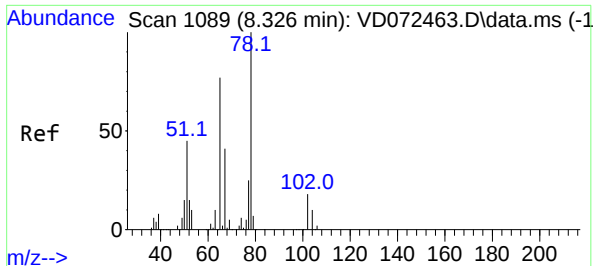
Tgt Ion: 43 Resp: 831
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.590 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. -0.000 min
 Lab File: VD072531.D
 Acq: 05 Apr 2022 13:24

Tgt Ion: 56 Resp: 10389
 Ion Ratio Lower Upper
 56 100
 69 147.7 25.4 38.2#
 84 126.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 48.614 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072531.D

Acq: 05 Apr 2022 13:24

Instrument :

MSVOA_D

ClientSampleId :

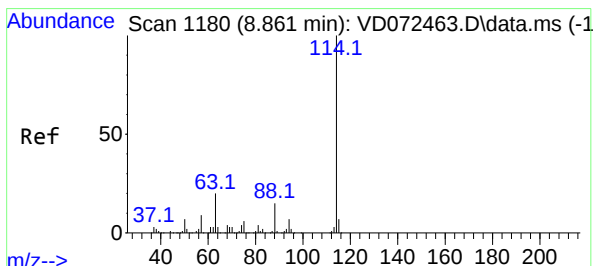
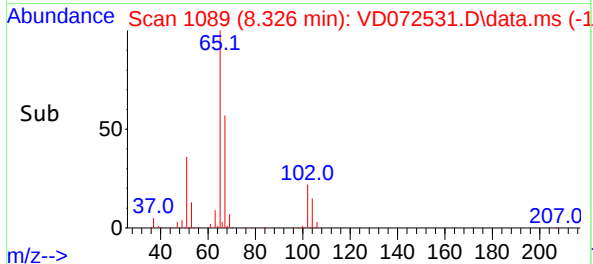
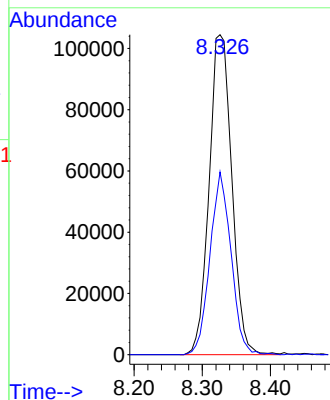
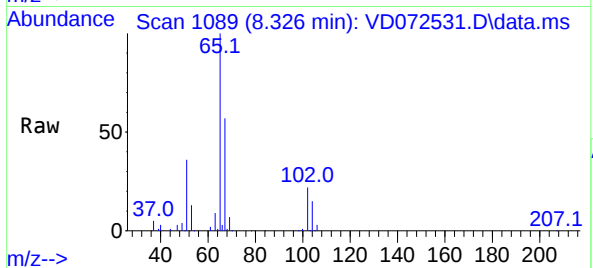
SOIL-DRUM

Tgt Ion: 65 Resp: 242931

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072531.D

Acq: 05 Apr 2022 13:24

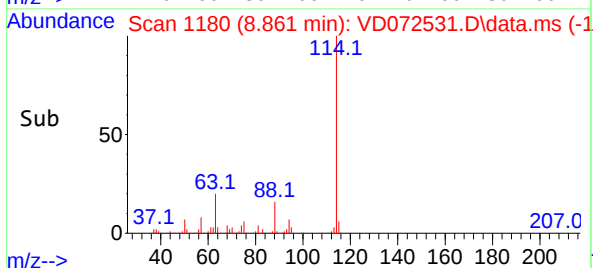
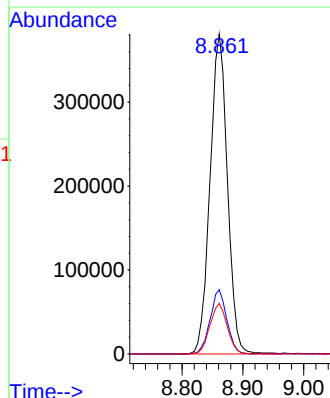
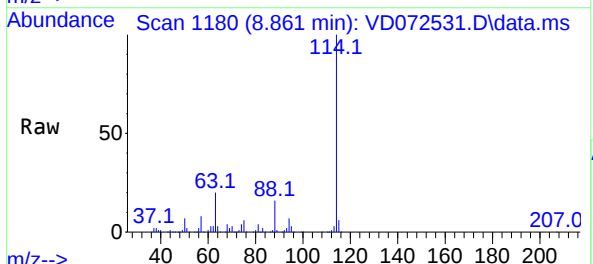
Tgt Ion: 114 Resp: 754264

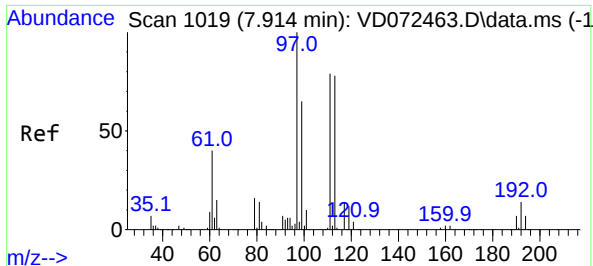
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 43.678 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD072531.D

Acq: 05 Apr 2022 13:24

Instrument :

MSVOA_D

ClientSampleId :

SOIL-DRUM

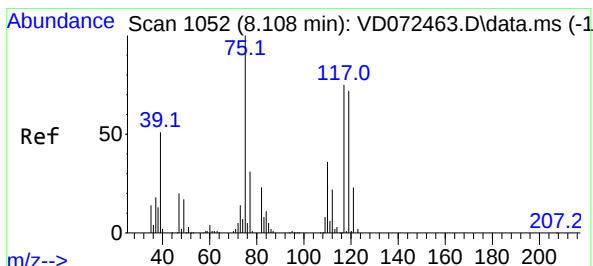
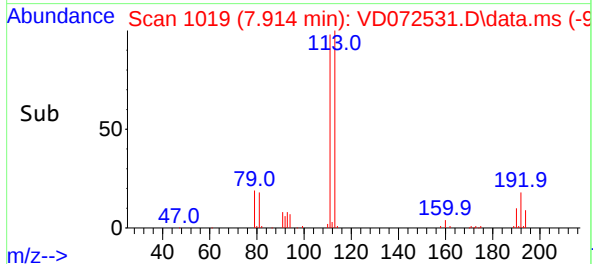
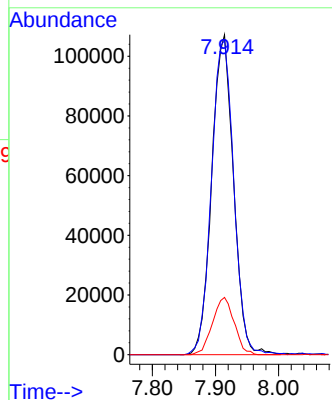
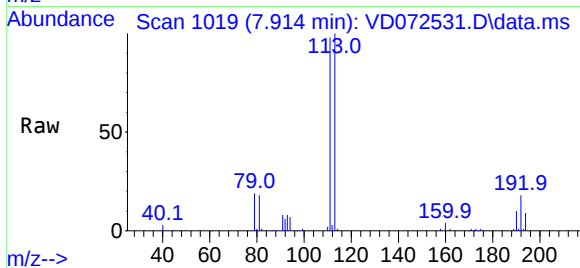
Tgt Ion:113 Resp: 256026

Ion Ratio Lower Upper

113 100

111 101.0 83.8 125.6

192 17.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 1.256 ug/l

RT: 8.108 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VD072531.D

Acq: 05 Apr 2022 13:24

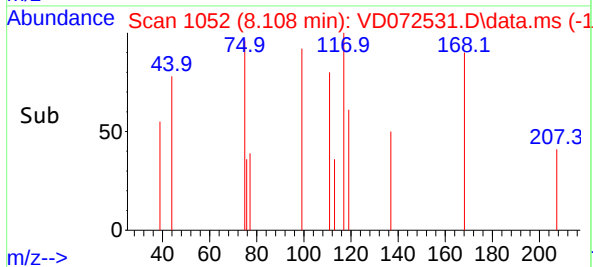
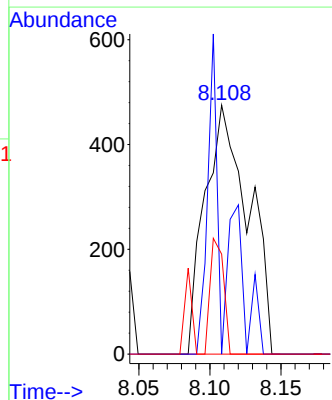
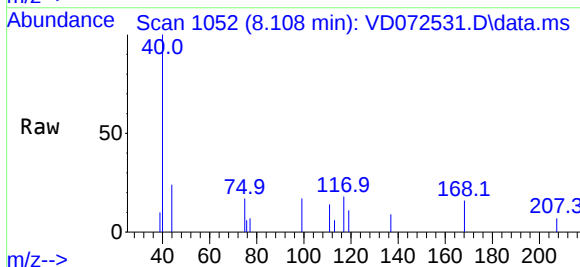
Tgt Ion: 75 Resp: 1010

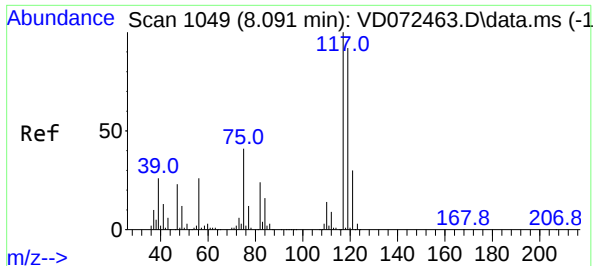
Ion Ratio Lower Upper

75 100

110 51.7 16.4 49.1#

77 14.4 24.2 36.2#

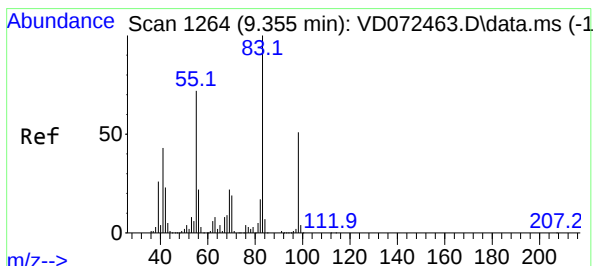
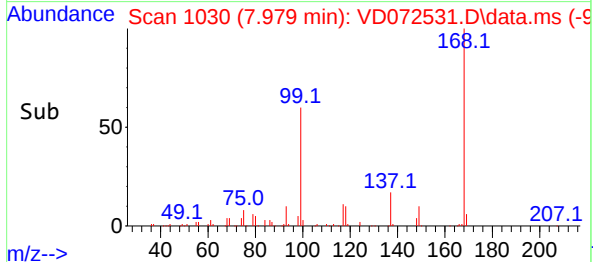
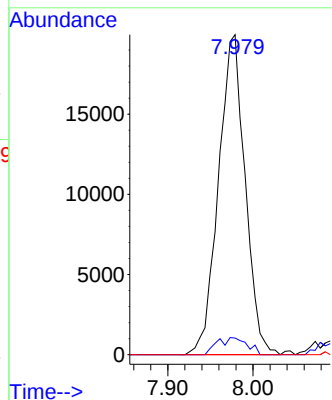
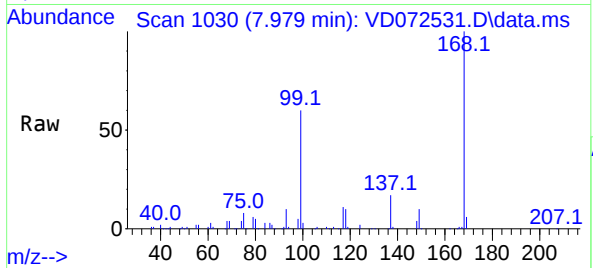




#38
Carbon Tetrachloride
Concen: 5.371 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

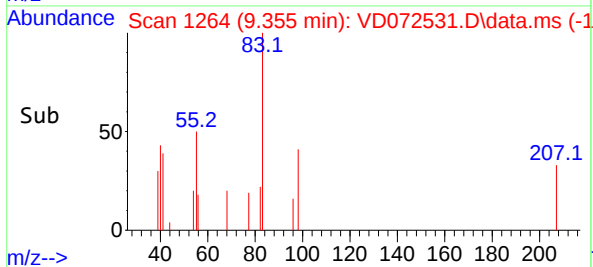
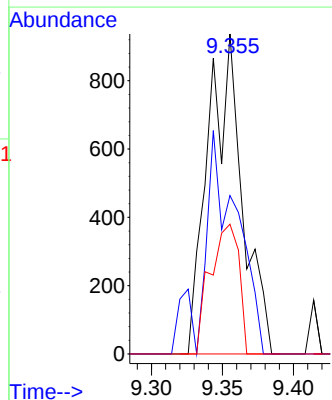
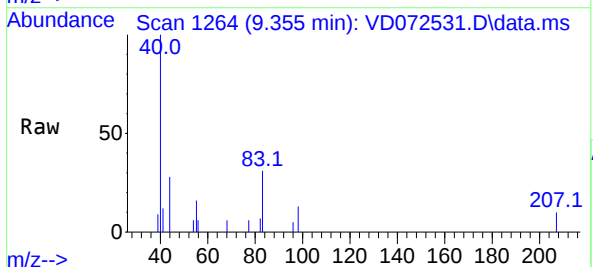
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

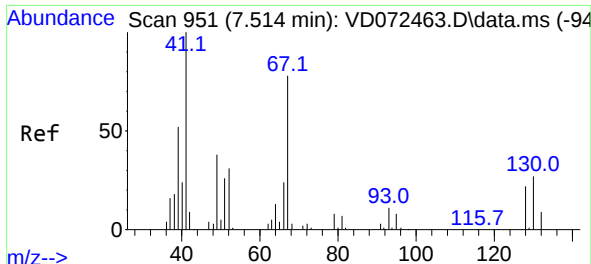
Tgt Ion:117 Resp: 43375
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 3.047 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

Tgt Ion: 83 Resp: 1575
Ion Ratio Lower Upper
83 100
55 49.5 63.2 94.8#
98 40.6 38.2 57.4

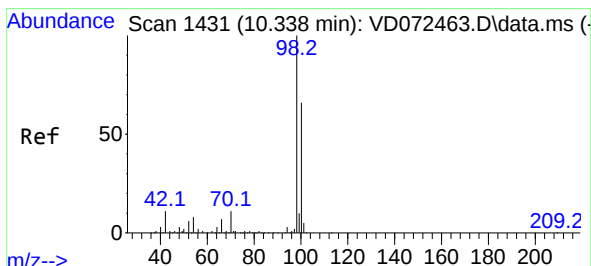
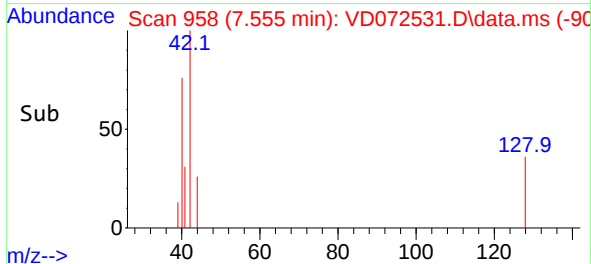
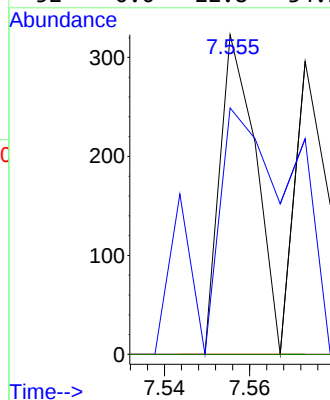
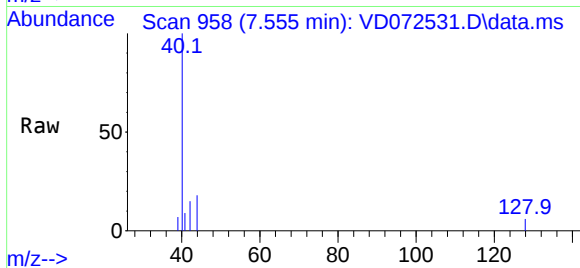




#41
Methacrylonitrile
Concen: 1.759 ug/l
RT: 7.555 min Scan# 91
Delta R.T. 0.041 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

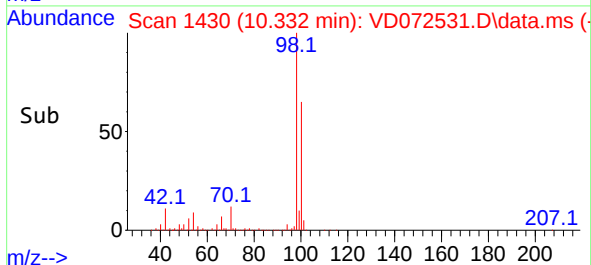
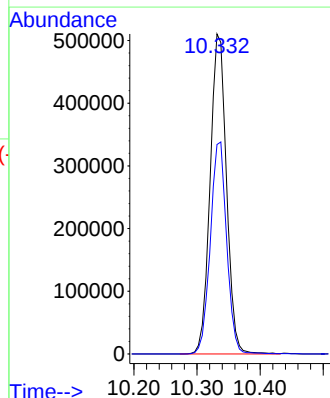
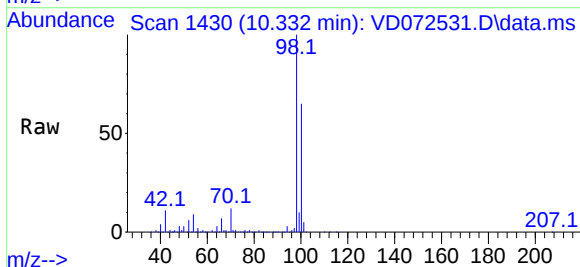
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

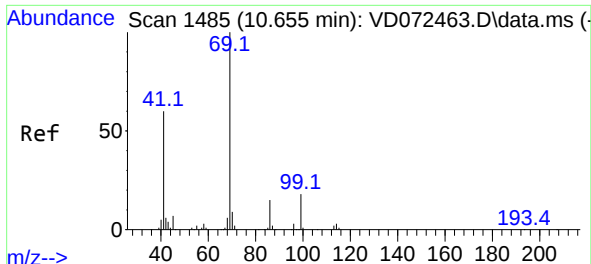
Tgt Ion: 41	Resp:	190
Ion	Ratio	Lower Upper
41	100	
39	185.8	44.6 67.0#
67	0.0	48.2 72.4#
52	0.0	22.8 34.2#



#50
Toluene-d8
Concen: 45.064 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

Tgt Ion: 98	Resp:	918195
Ion	Ratio	Lower Upper
98	100	
100	66.2	52.4 78.6

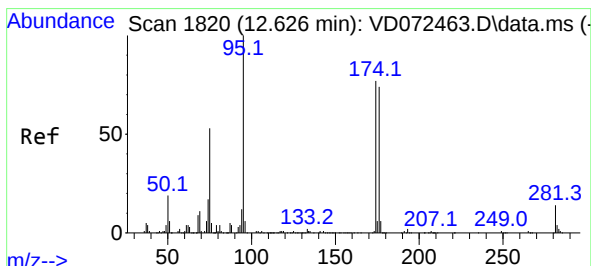
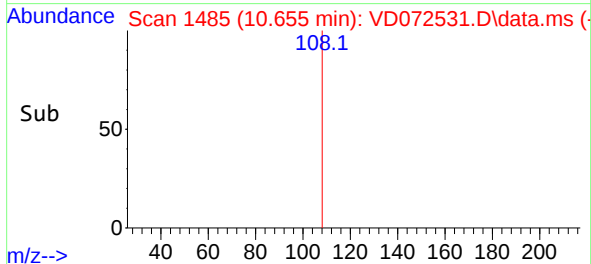
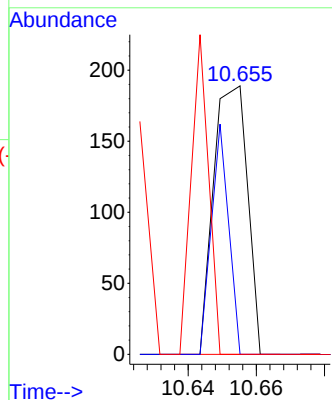
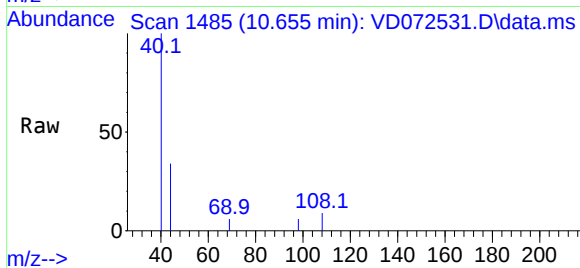




#56
Ethyl methacrylate
Concen: 1.214 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

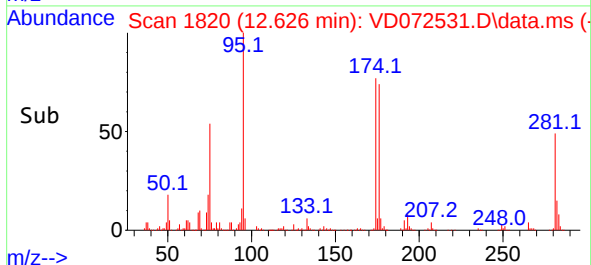
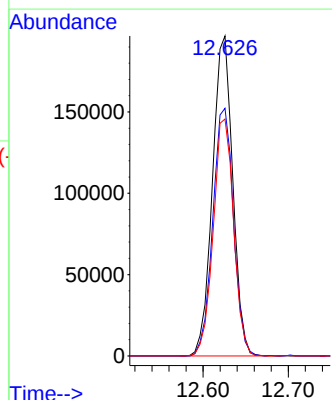
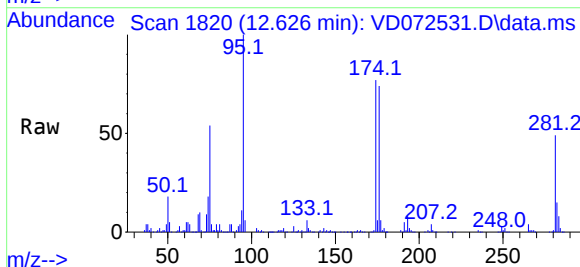
Instrument :
MSVOA_D
ClientSampleId :
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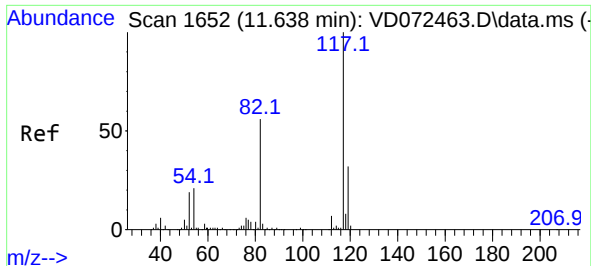
Tgt Ion: 69 Resp: 130
Ion Ratio Lower Upper
69 100
41 43.8 63.0 94.6#
39 60.8 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 40.747 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

Tgt Ion: 95 Resp: 324251
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 74.5 0.0 145.4

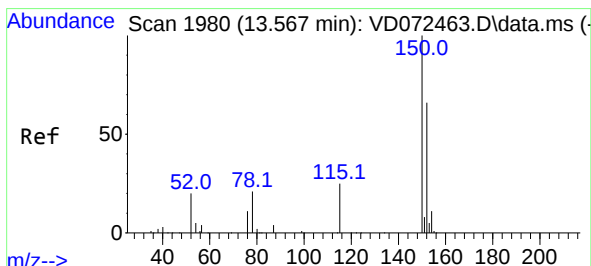
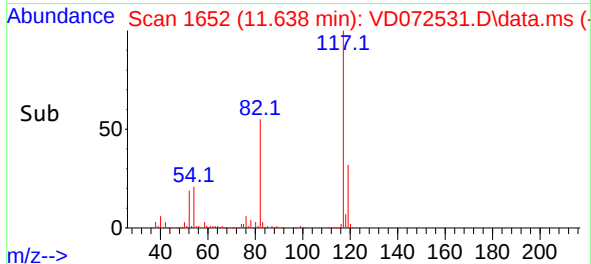
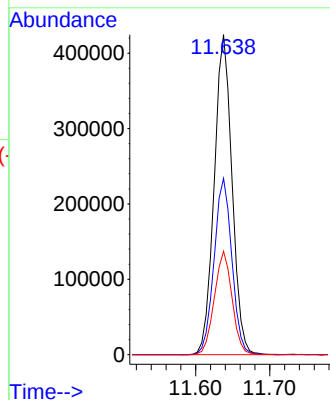
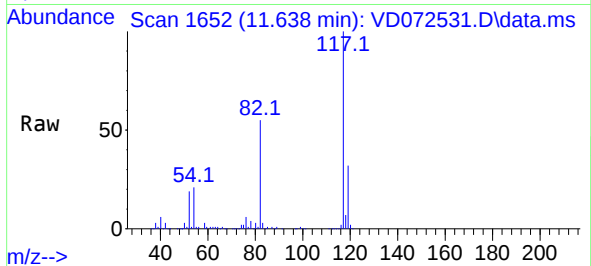




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

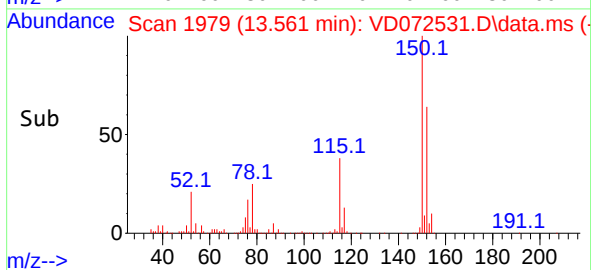
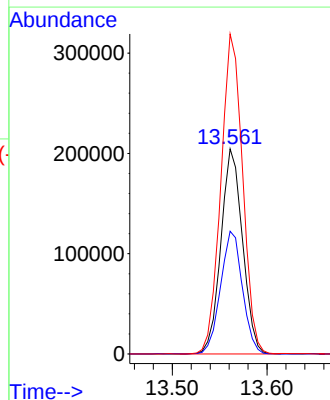
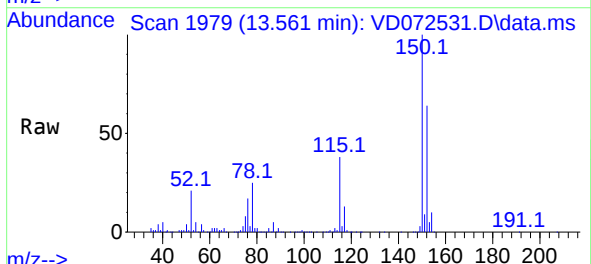
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

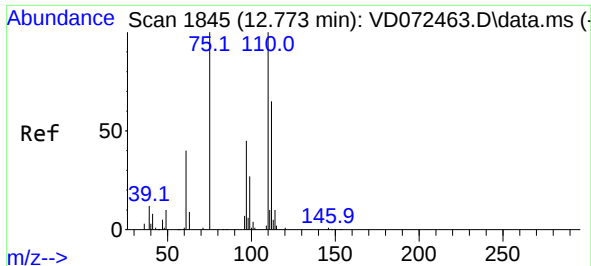
Tgt Ion:117 Resp: 709129
Ion Ratio Lower Upper
117 100
82 55.1 45.3 67.9
119 32.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

Tgt Ion:152 Resp: 325250
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 157.1 0.0 348.6

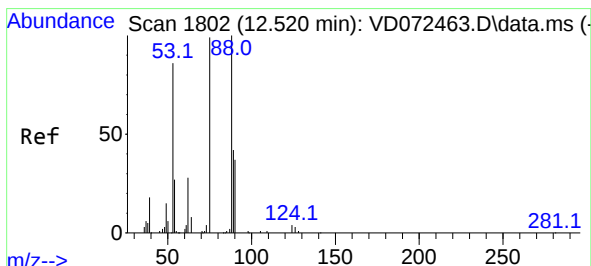
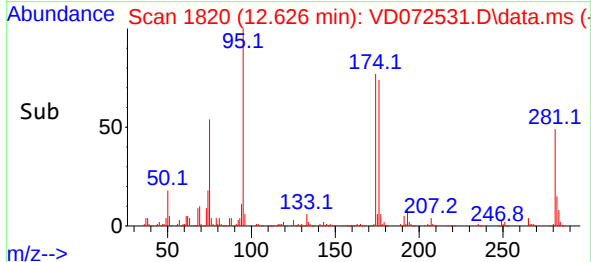
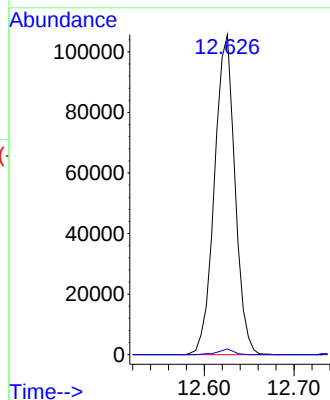
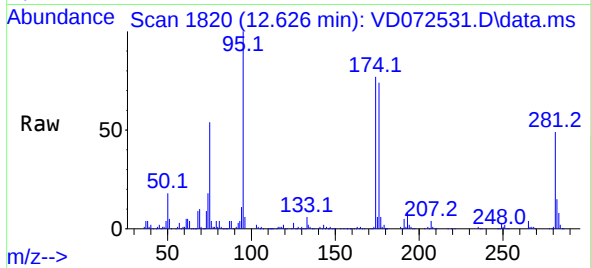




#76
1,2,3-Trichloropropane
Concen: 47.225 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

Tgt Ion: 75 Resp: 167525
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.881 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072531.D
Acq: 05 Apr 2022 13:24

Tgt Ion: 75 Resp: 167525
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.9 33.9 50.9#

