

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071346.D
 Acq On : 15 Dec 2021 16:52
 Operator : VA/SY
 Sample : M5083-07
 Misc : 6.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:29:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

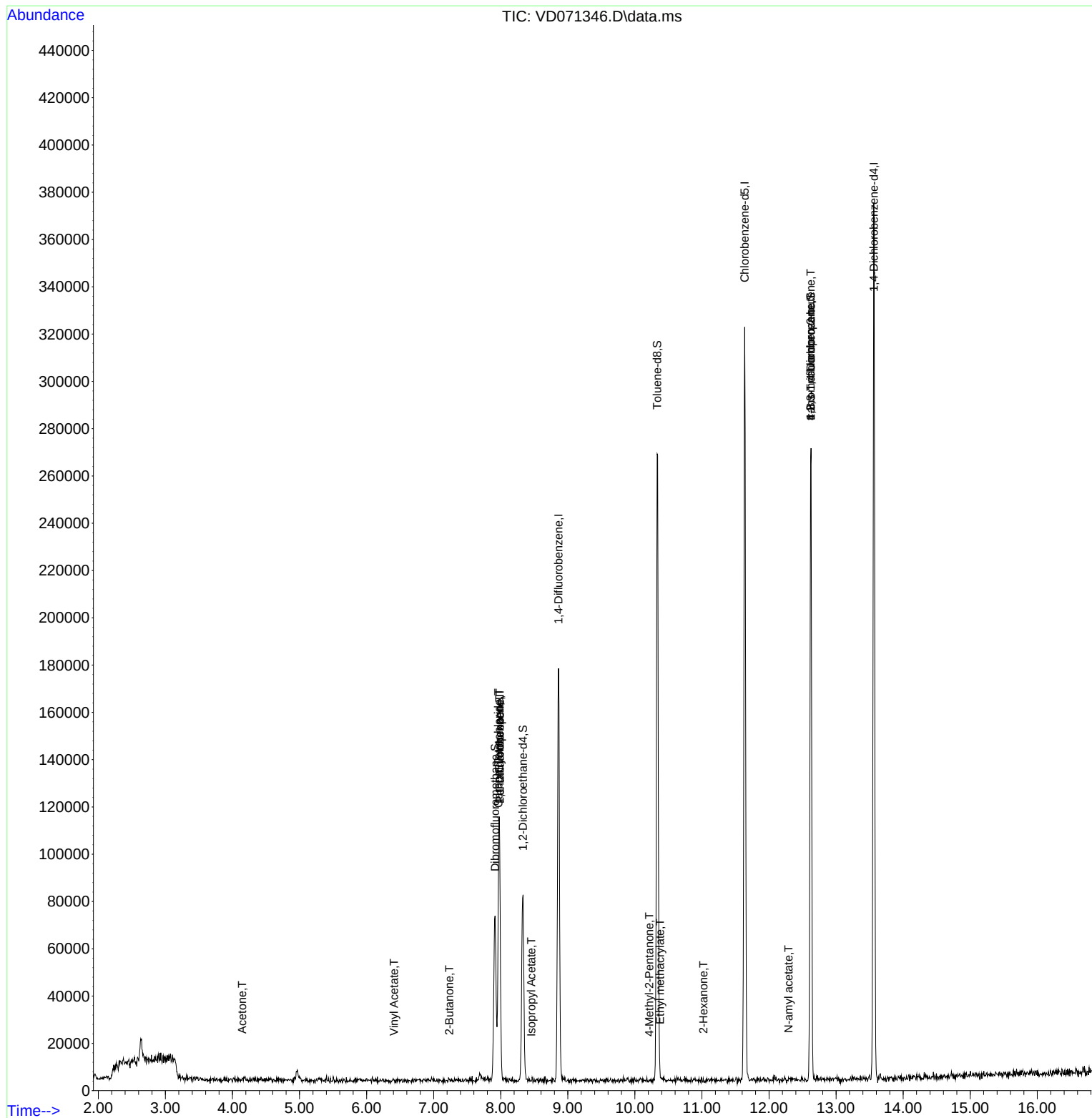
Internal Standards						
1) Pentafluorobenzene	7.985	168	77615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	137432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	168601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	89265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	62459	68.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.160%			
35) Dibromofluoromethane	7.914	113	50117	57.267	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.540%			
50) Toluene-d8	10.332	98	179088	53.774	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.540%			
62) 4-Bromofluorobenzene	12.620	95	83212	72.080	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 144.160%#			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.309	59	81	Below Cal	#	71
16) Acetone	4.144	43	1028	34.523	ug/l #	40
20) Methylene Chloride	4.956	84	1333	Below Cal	#	65
23) Vinyl Acetate	6.409	43	136	27.300	ug/l #	72
25) 2-Butanone	7.232	43	506	29.965	ug/l #	45
31) Cyclohexane	7.979	56	3021	1.950	ug/l #	27
36) 1,1-Dichloropropene	7.985	75	8416	6.552	ug/l #	49
38) Carbon Tetrachloride	7.967	117	8447	6.671	ug/l #	17
41) Methacrylonitrile	7.544	41	151	Below Cal	#	12
43) Isopropyl Acetate	8.456	43	66	5.271	ug/l #	47
51) 4-Methyl-2-Pentanone	10.214	43	61	30.737	ug/l #	34
56) Ethyl methacrylate	10.373	69	64	6.033	ug/l #	28
59) 2-Hexanone	11.020	43	60	34.684	ug/l #	22
74) N-amyl acetate	12.291	43	54	5.728	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	46579	54.768	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	46579	119.080	ug/l #	18

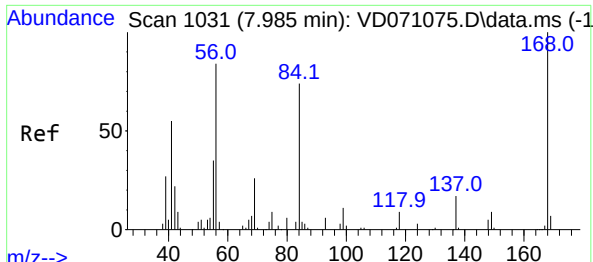
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071346.D
Acq On : 15 Dec 2021 16:52
Operator : VA/SY
Sample : M5083-07
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

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MSVOA_D
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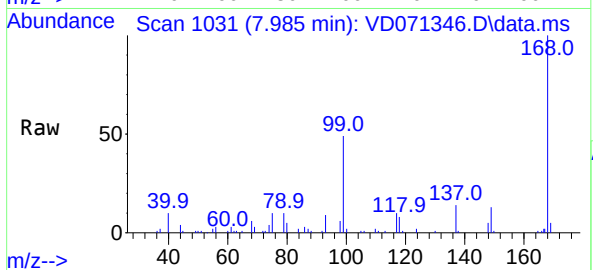
Quant Time: Dec 16 04:29:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



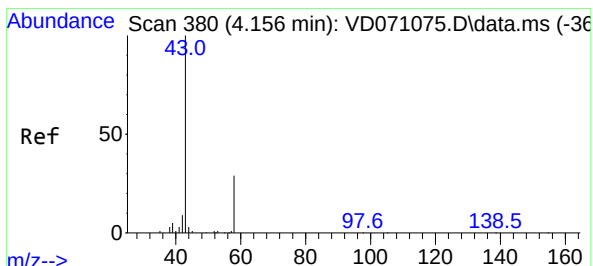
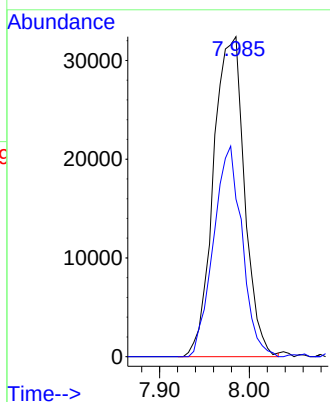
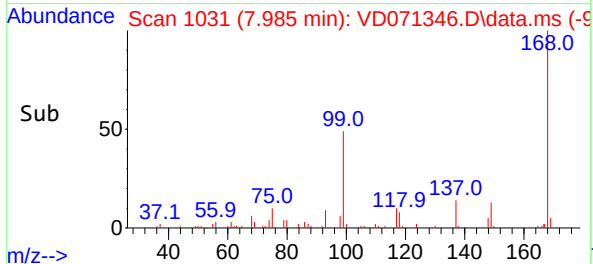


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Instrument :
MSVOA_D
ClientSampleId :

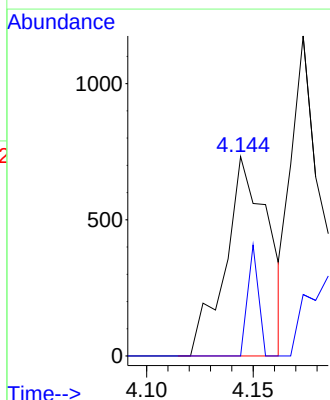
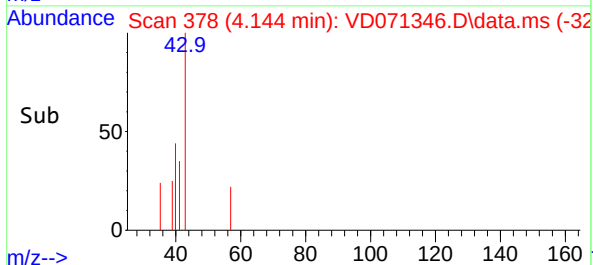
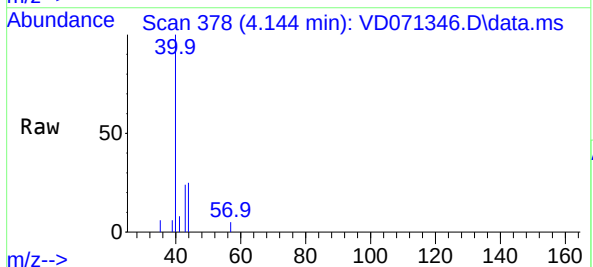


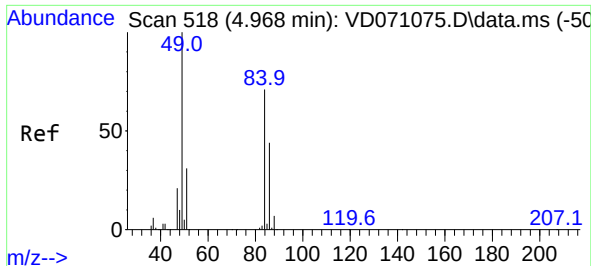
Tgt Ion:168 Resp: 77615
Ion Ratio Lower Upper
168 100
99 49.3 46.6 69.8



#16
Acetone
Concen: 34.523 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

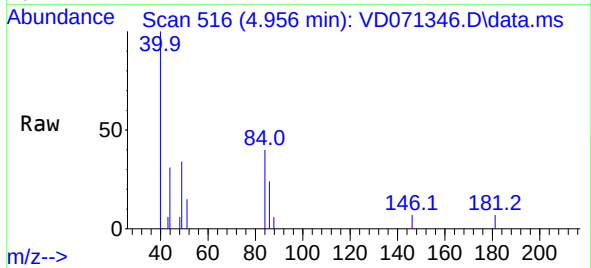
Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



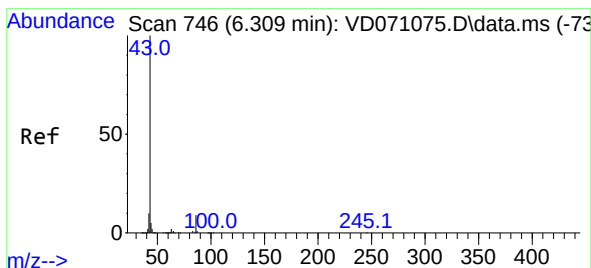
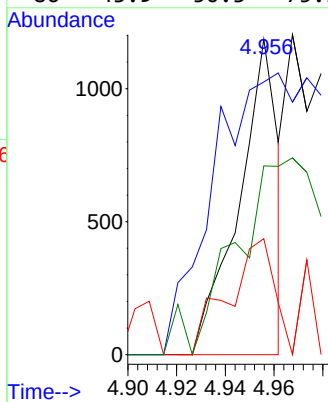
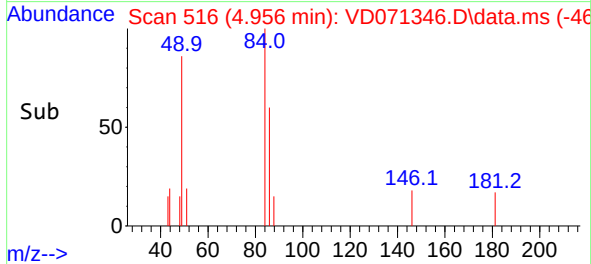


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Instrument :
MSVOA_D
ClientSampleId :

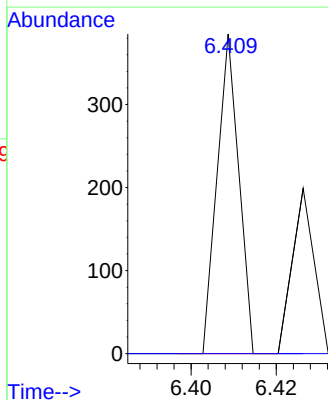
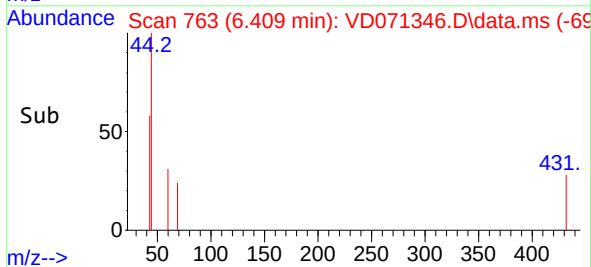
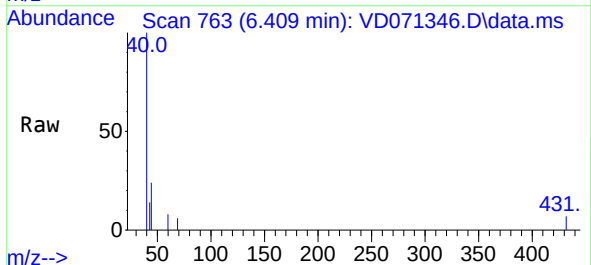


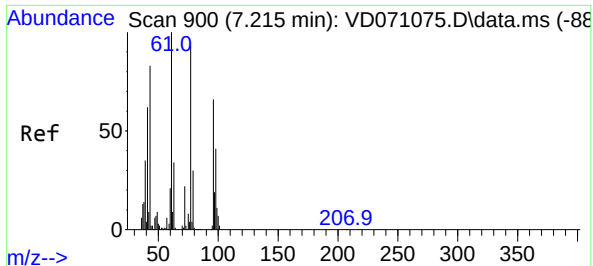
Tgt Ion: 84 Resp: 1333
Ion Ratio Lower Upper
84 100
49 63.6 95.8 143.6#
51 36.8 30.9 46.3
86 43.9 50.3 75.5#



#23
Vinyl Acetate
Concen: 27.300 ug/l
RT: 6.409 min Scan# 763
Delta R.T. 0.100 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

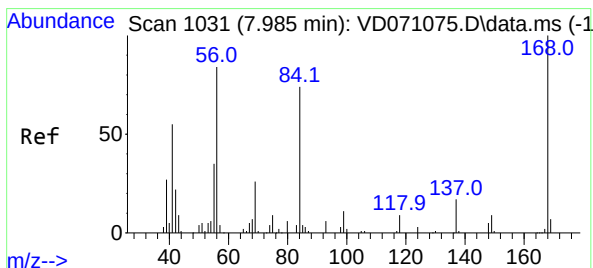
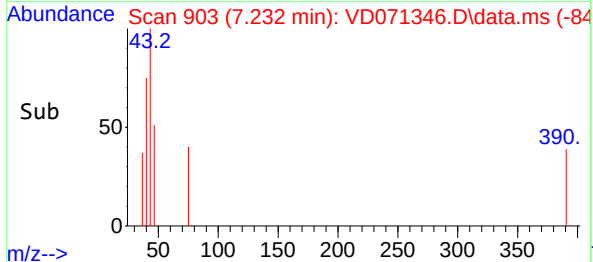
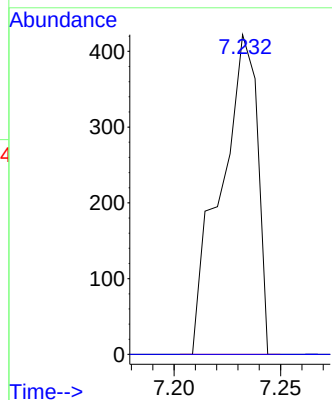
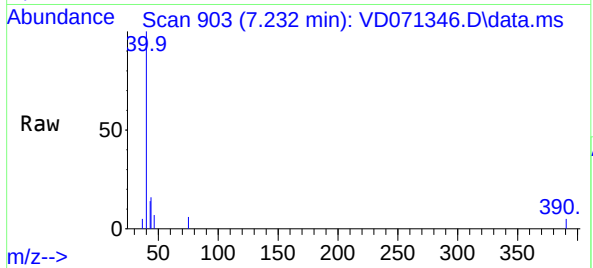




#25
2-Butanone
Concen: 29.965 ug/l
RT: 7.232 min Scan# 90
Delta R.T. 0.017 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

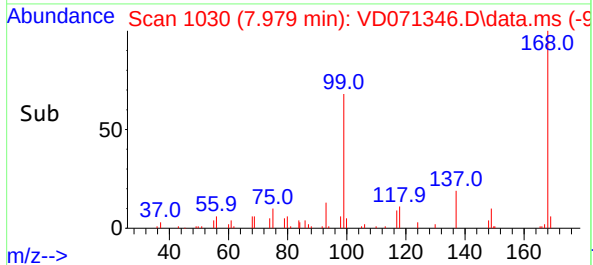
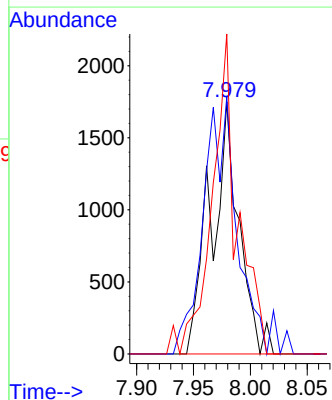
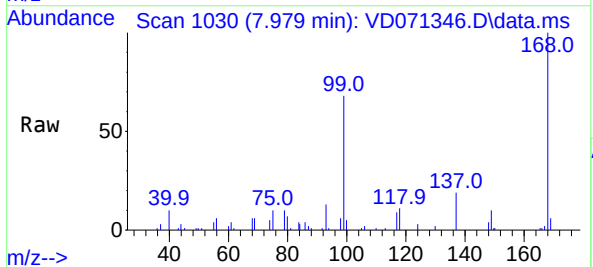
Instrument :
MSVOA_D
ClientSampleId :

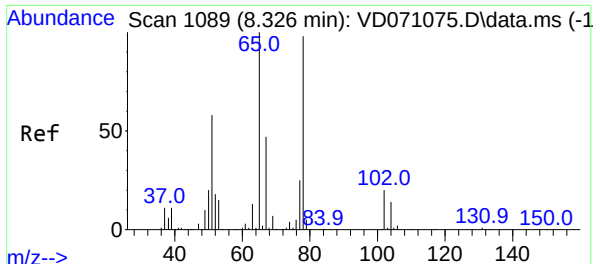
Tgt Ion: 43 Resp: 506
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.950 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Tgt Ion: 56 Resp: 3021
Ion Ratio Lower Upper
56 100
69 102.0 25.9 38.9#
84 126.9 64.3 96.5#

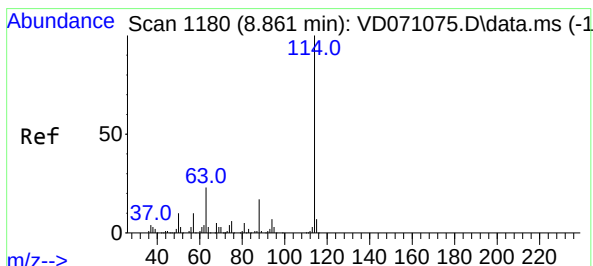
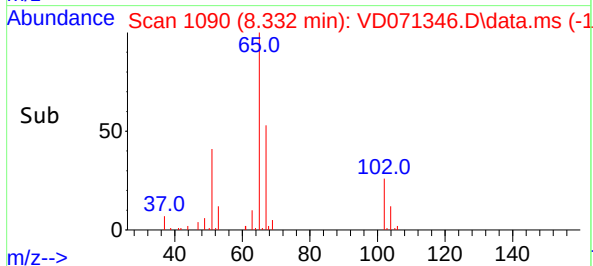
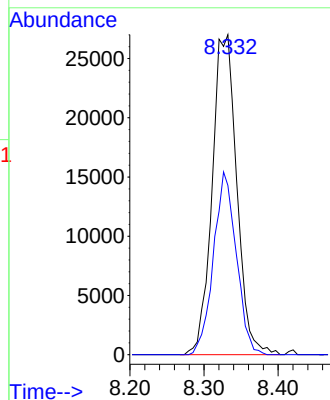
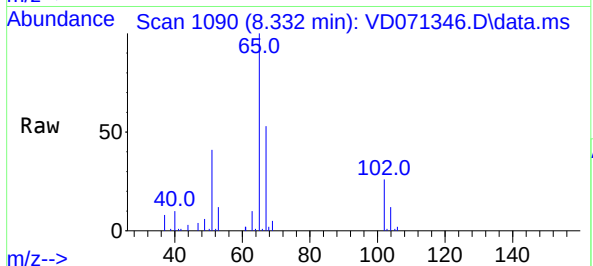




#33
1,2-Dichloroethane-d4
Concen: 68.582 ug/l
RT: 8.332 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

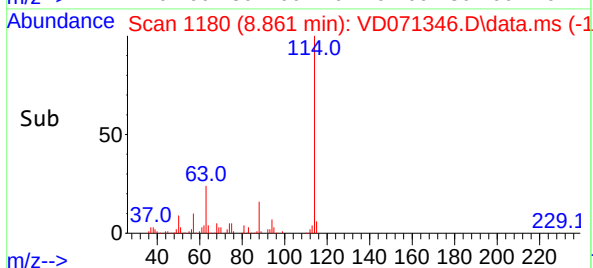
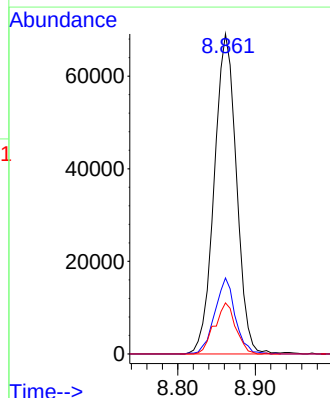
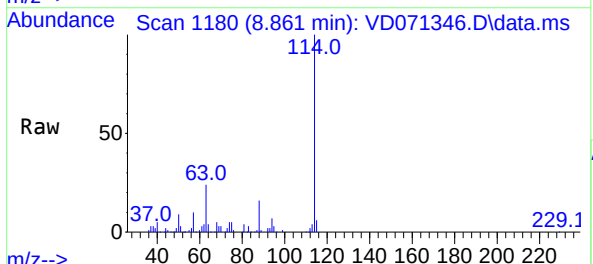
Instrument :
MSVOA_D
ClientSampleId :

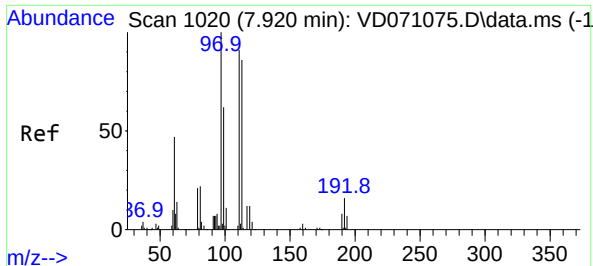
Tgt Ion: 65 Resp: 62459
Ion Ratio Lower Upper
65 100
67 52.8 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Tgt Ion: 114 Resp: 137432
Ion Ratio Lower Upper
114 100
63 23.8 0.0 41.8
88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 57.267 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071346.D

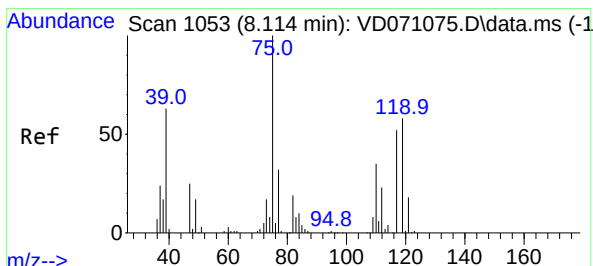
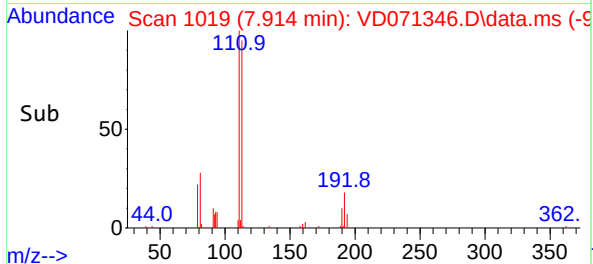
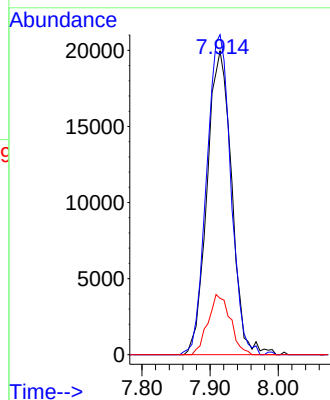
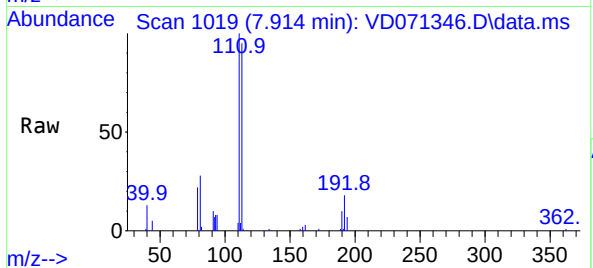
Acq: 15 Dec 2021 16:52

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	113	Resp:	50117
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.0	123.0
192	18.1	15.2	22.8



#36

1,1-Dichloropropene

Concen: 6.552 ug/l

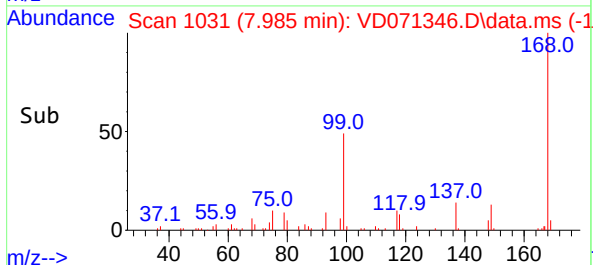
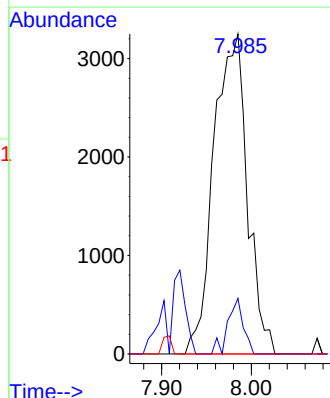
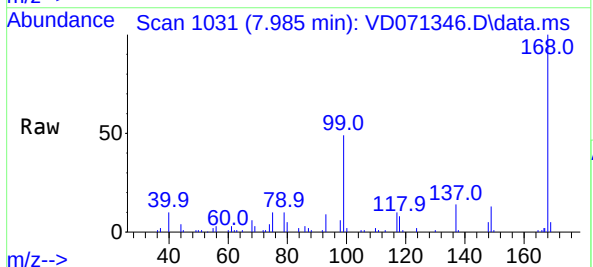
RT: 7.985 min Scan# 1031

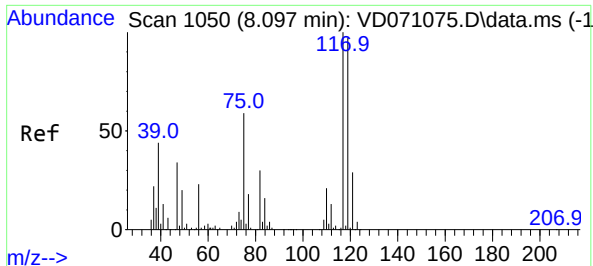
Delta R.T. -0.129 min

Lab File: VD071346.D

Acq: 15 Dec 2021 16:52

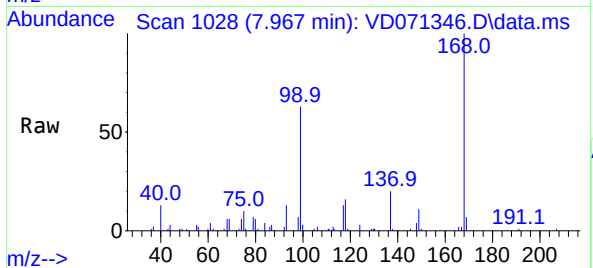
Tgt Ion:	75	Resp:	8416
Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.8	53.4#
77	0.0	24.8	37.2#



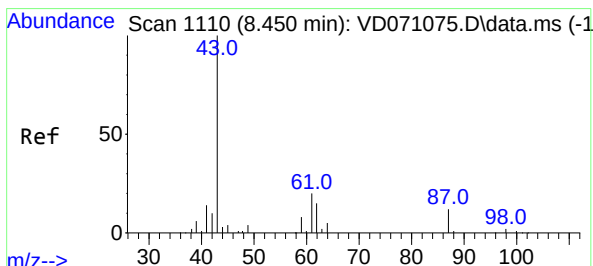
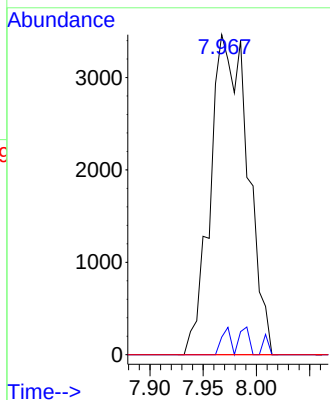
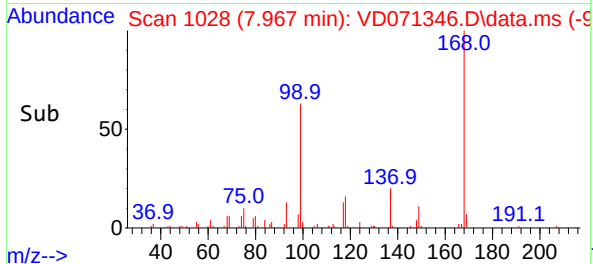


#38
Carbon Tetrachloride
Concen: 6.671 ug/l
RT: 7.967 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Instrument :
MSVOA_D
ClientSampleId :

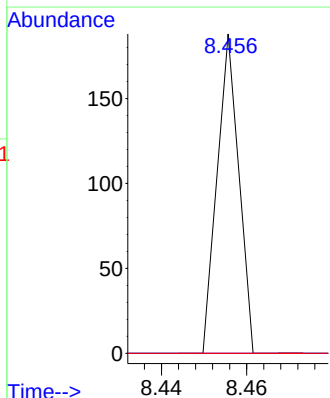
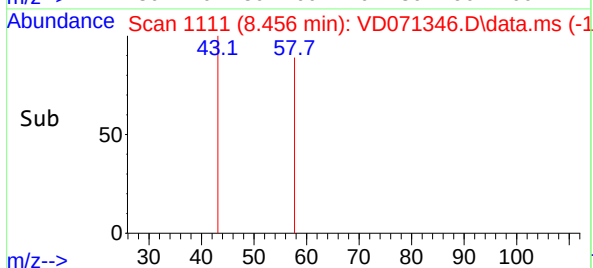
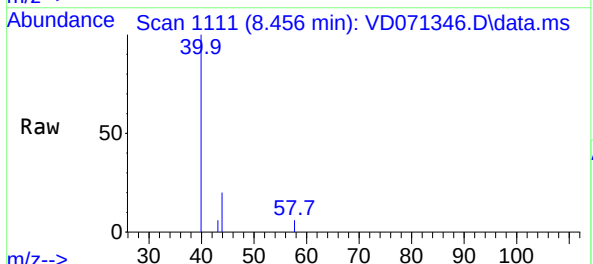


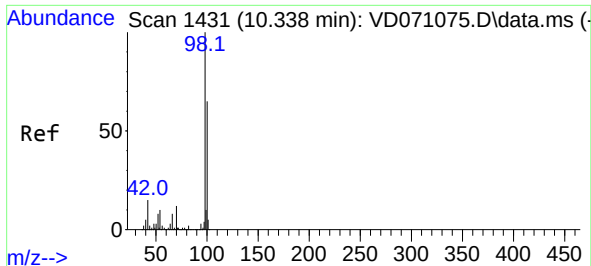
Tgt Ion:117 Resp: 8447
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.271 ug/l
RT: 8.456 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

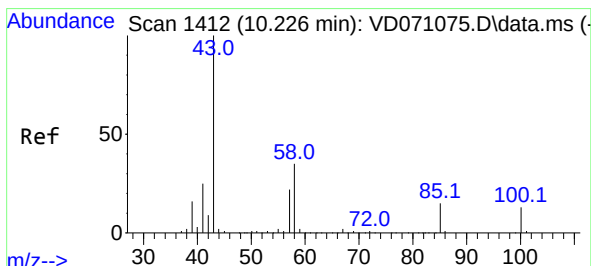
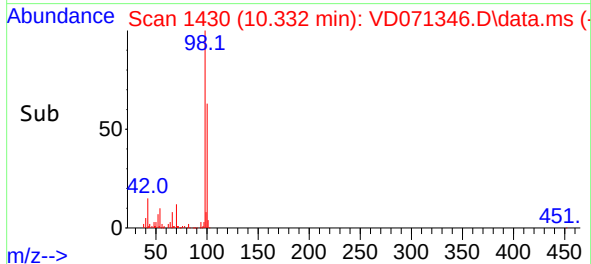
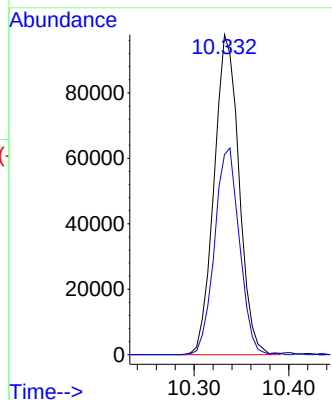
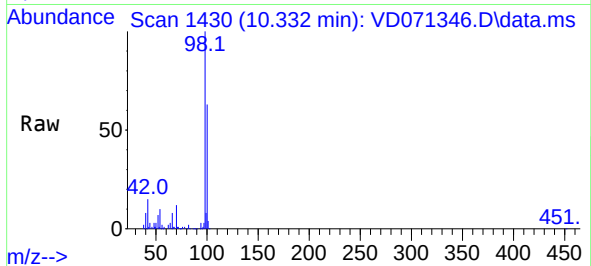




#50
Toluene-d8
Concen: 53.774 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

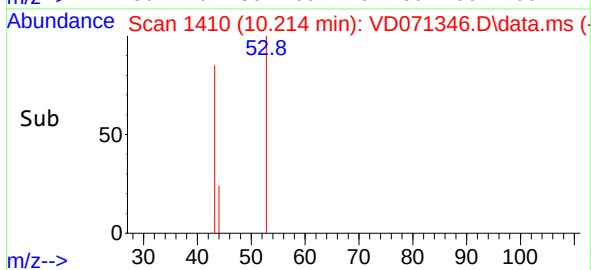
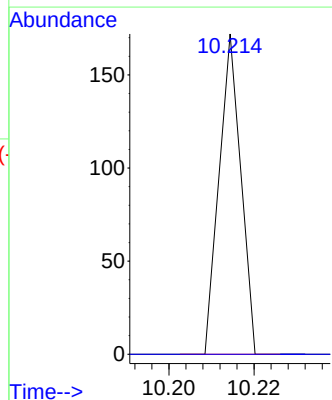
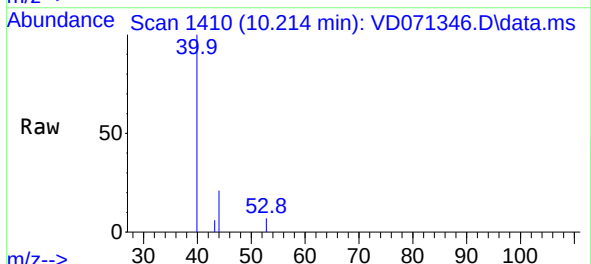
Instrument :
MSVOA_D
ClientSampleId :

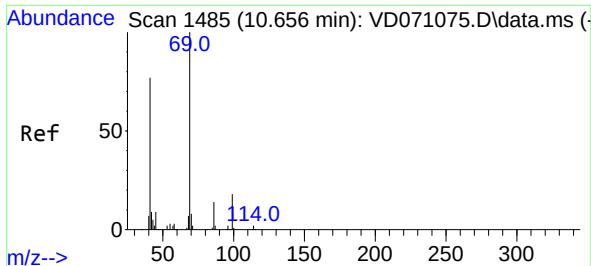
Tgt Ion: 98 Resp: 179088
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.737 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

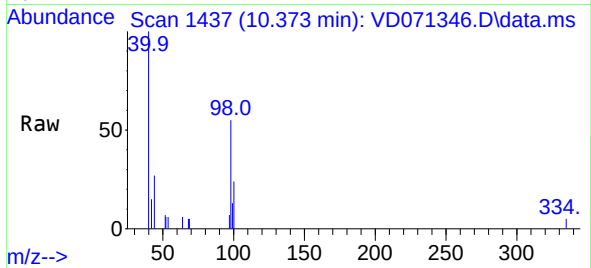
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



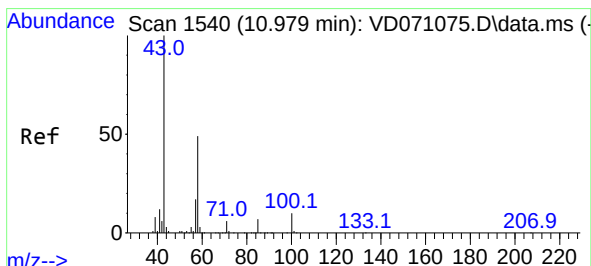
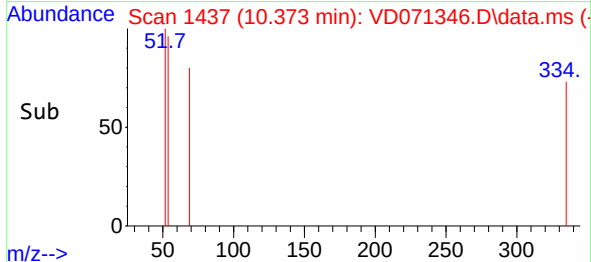
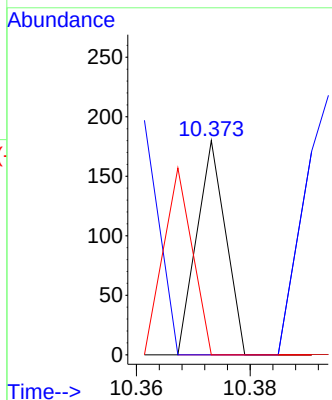


#56
Ethyl methacrylate
Concen: 6.033 ug/l
RT: 10.373 min Scan# 1437
Delta R.T. -0.283 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Instrument :
MSVOA_D
ClientSampleId :

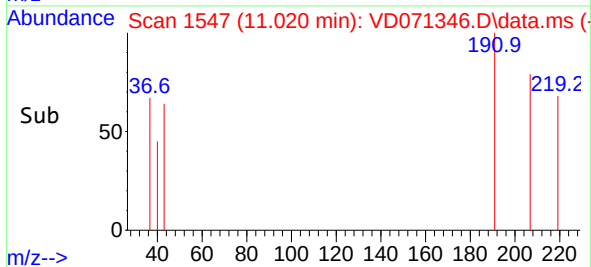
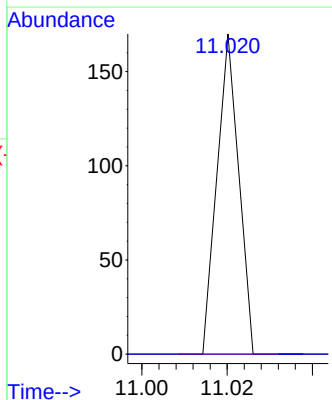
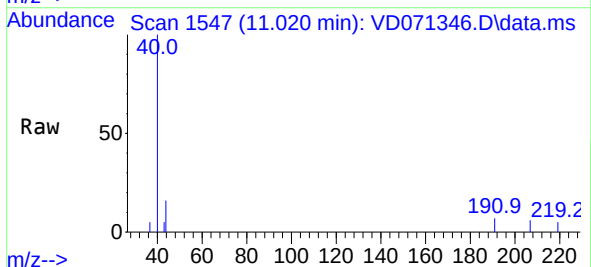


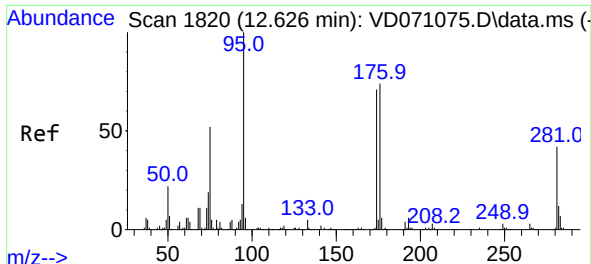
Tgt Ion:	69	Resp:	64
Ion	Ratio	Lower	Upper
69	100		
41	0.0	50.2	75.2#
39	0.0	19.8	29.8#



#59
2-Hexanone
Concen: 34.684 ug/l
RT: 11.020 min Scan# 1547
Delta R.T. 0.041 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.7	86.1#

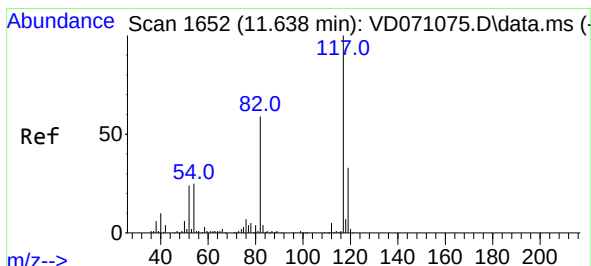
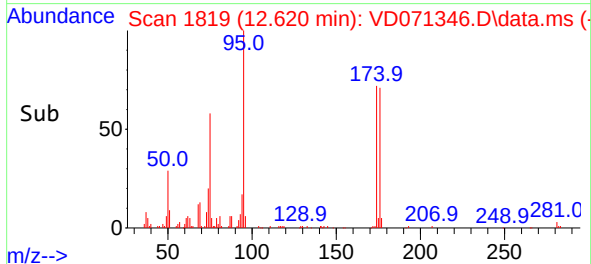
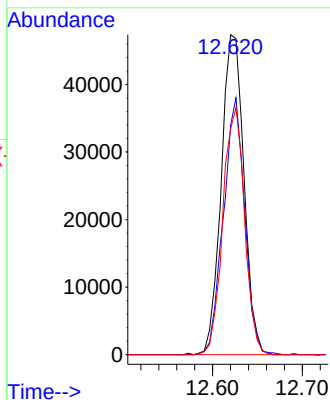
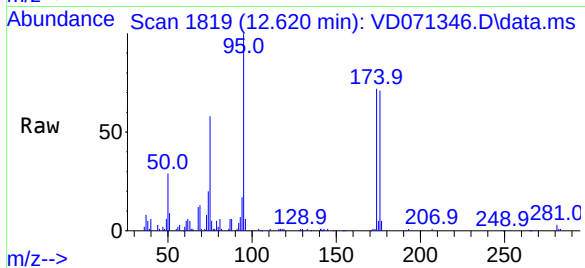




#62
4-Bromofluorobenzene
Concen: 72.080 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

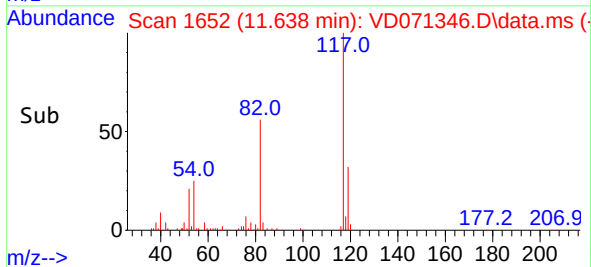
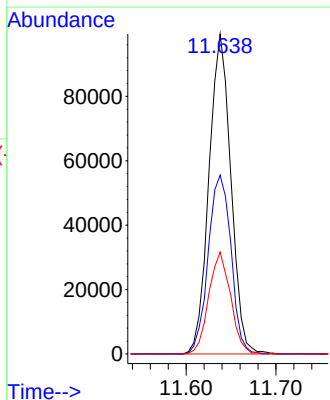
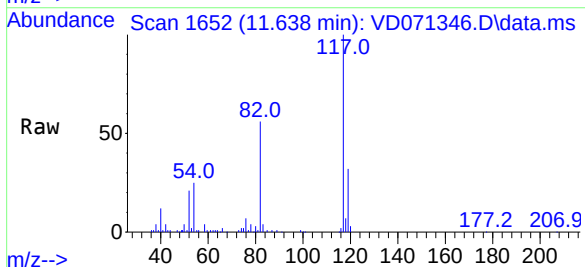
Instrument :
MSVOA_D
ClientSampleId :

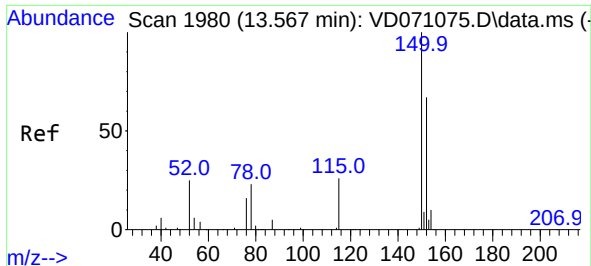
Tgt Ion: 95 Resp: 83212
Ion Ratio Lower Upper
95 100
174 75.4 0.0 159.4
176 73.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Tgt Ion:117 Resp: 168601
Ion Ratio Lower Upper
117 100
82 55.9 44.7 67.1
119 31.8 26.2 39.4

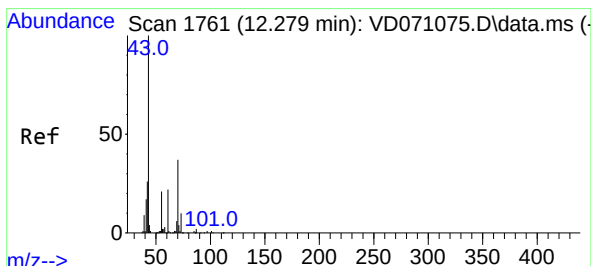
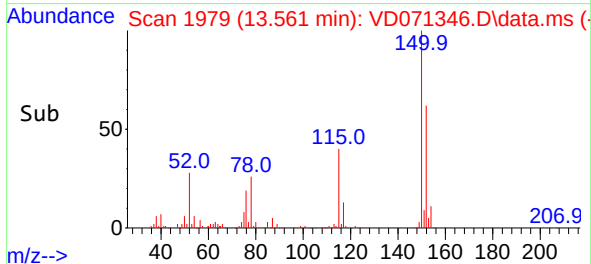
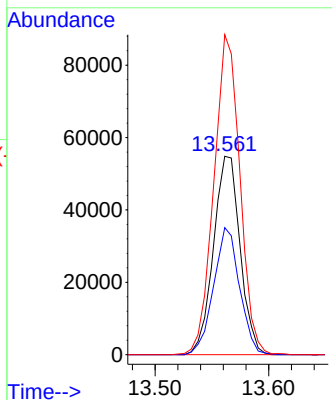
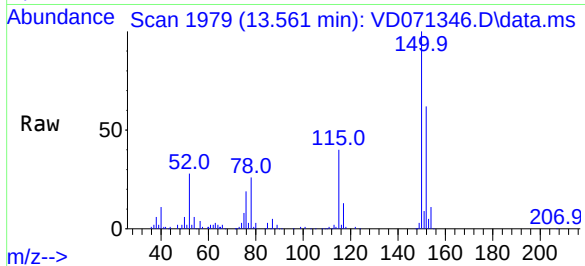




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

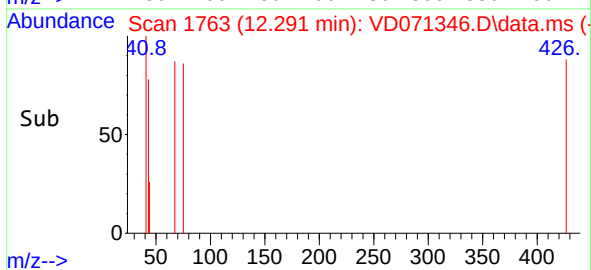
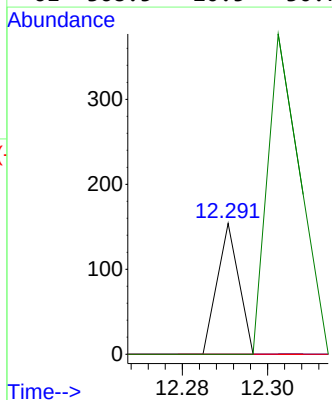
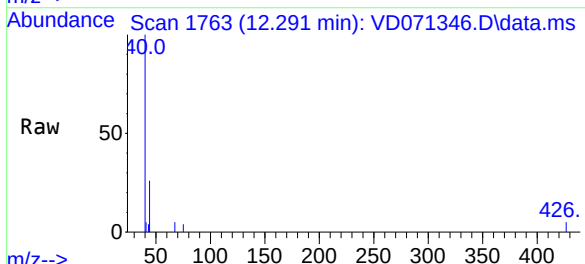
Instrument :
MSVOA_D
ClientSampleId :

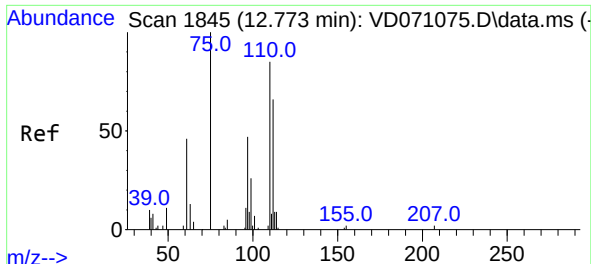
Tgt Ion:152 Resp: 89265
Ion Ratio Lower Upper
152 100
115 62.6 29.8 89.3
150 158.1 0.0 349.2



#74
N-ethyl acetate
Concen: 5.728 ug/l
RT: 12.291 min Scan# 1763
Delta R.T. 0.012 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 368.5 20.5 30.7#

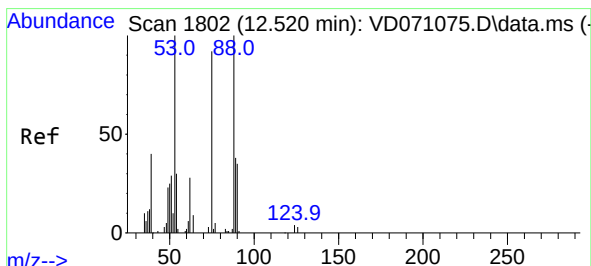
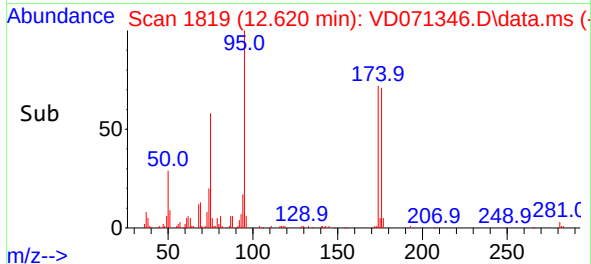
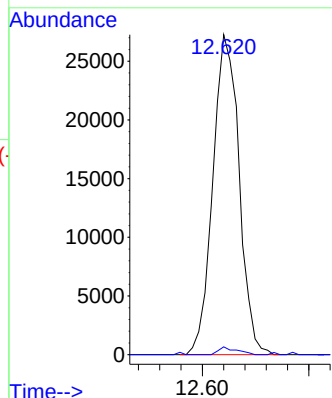
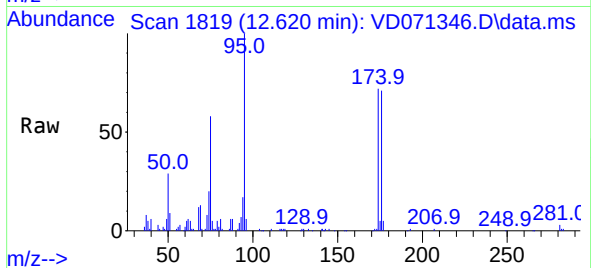




#76
1,2,3-Trichloropropane
Concen: 54.768 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 46579
Ion Ratio Lower Upper
75 100
77 1.7 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.080 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071346.D
Acq: 15 Dec 2021 16:52

Tgt Ion: 75 Resp: 46579
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.2 34.5 51.7#

