

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071345.D
 Acq On : 15 Dec 2021 16:24
 Operator : VA/SY
 Sample : M5083-04
 Misc : 5.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:29:25 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)

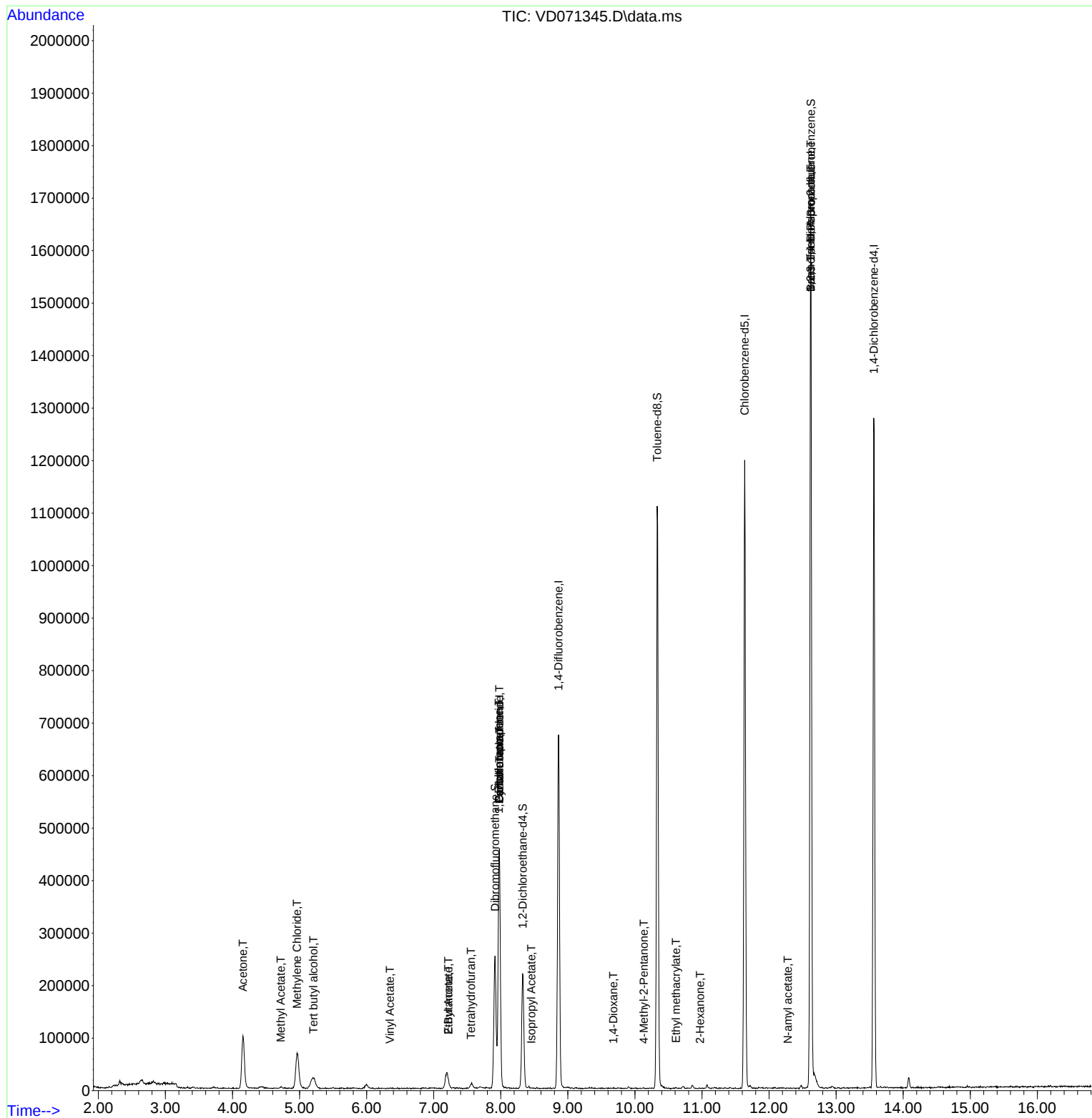
Internal Standards						
1) Pentafluorobenzene	7.979	168	318876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	543185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	618708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	303701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171218	45.760	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.520%		
35) Dibromofluoromethane	7.914	113	175372	50.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.400%		
50) Toluene-d8	10.332	98	712136	54.101	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.200%		
62) 4-Bromofluorobenzene	12.626	95	323724	70.949	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	141.900%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.209	59	34433	97.168	ug/l #	84
16) Acetone	4.156	43	178649	188.456	ug/l	90
18) Methyl Acetate	4.720	43	5564	2.015	ug/l #	70
20) Methylene Chloride	4.961	84	46628	8.918	ug/l #	77
23) Vinyl Acetate	6.350	43	167	27.243	ug/l #	72
25) 2-Butanone	7.220	43	16096	40.795	ug/l	92
29) Tetrahydrofuran	7.555	42	7358	12.384	ug/l	90
31) Cyclohexane	7.979	56	9584	1.506	ug/l #	66
36) 1,1-Dichloropropene	7.973	75	30647	6.037	ug/l #	48
37) Ethyl Acetate	7.220	43	16096	7.340	ug/l #	66
38) Carbon Tetrachloride	7.979	117	36275	7.249	ug/l #	19
41) Methacrylonitrile	7.567	41	4727	Below Cal	#	41
43) Isopropyl Acetate	8.455	43	143	5.249	ug/l #	47
49) 1,4-Dioxane	9.679	88	75	4.129	ug/l #	23
51) 4-Methyl-2-Pentanone	10.132	43	242	30.738	ug/l #	34
56) Ethyl methacrylate	10.614	69	91	5.993	ug/l #	20
59) 2-Hexanone	10.973	43	83	34.612	ug/l #	22
71) Bromoform	12.620	173	3986	1.836	ug/l #	1
74) N-amyl acetate	12.279	43	173	5.727	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	185364	64.062	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	185364	138.307	ug/l #	20

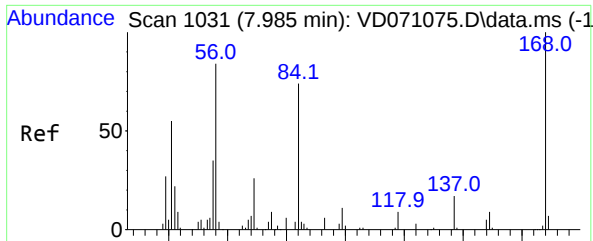
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
Data File : VD071345.D
Acq On : 15 Dec 2021 16:24
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Sample : M5083-04
Misc : 5.91G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

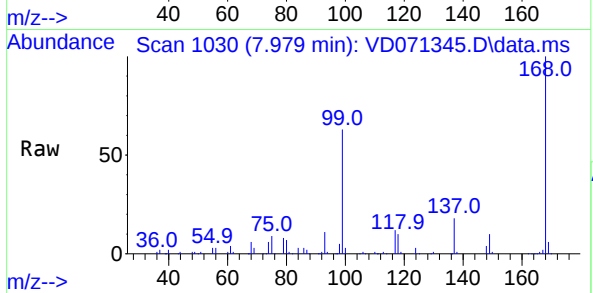
Quant Time: Dec 16 04:29:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



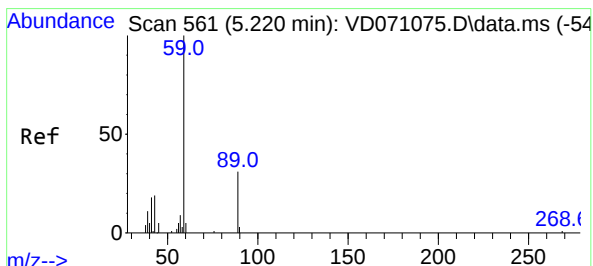
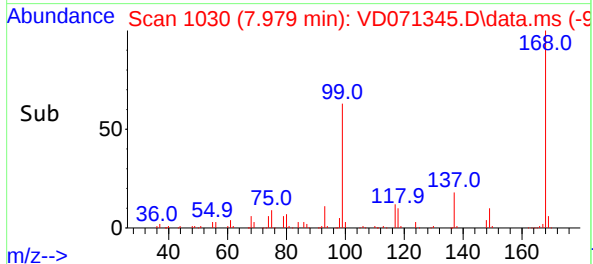
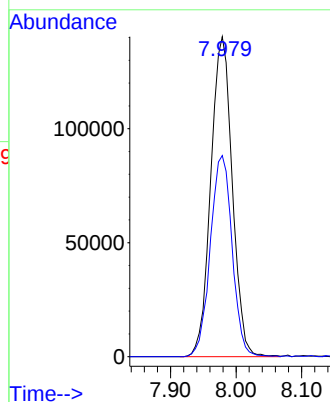


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

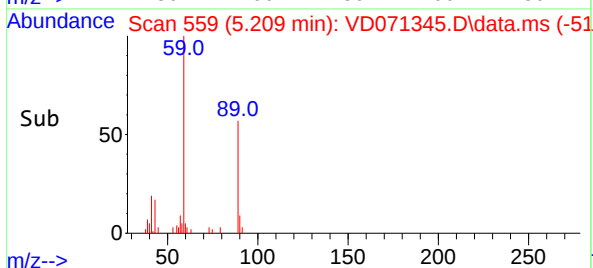
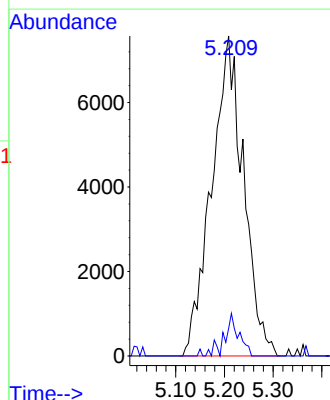
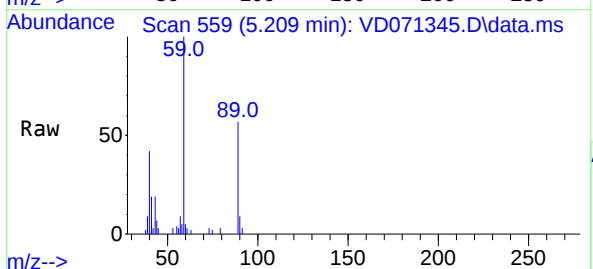


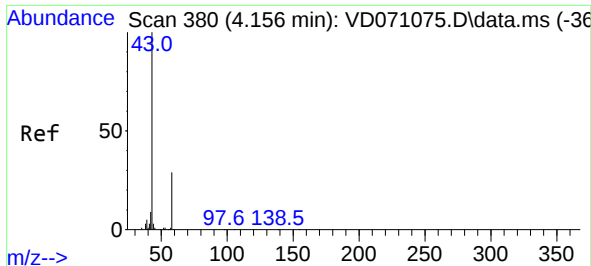
Tgt Ion:168 Resp: 318876
Ion Ratio Lower Upper
168 100
99 62.9 46.6 69.8



#11
Tert butyl alcohol
Concen: 97.168 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Tgt Ion: 59 Resp: 34433
Ion Ratio Lower Upper
59 100
57 5.1 9.0 13.4#

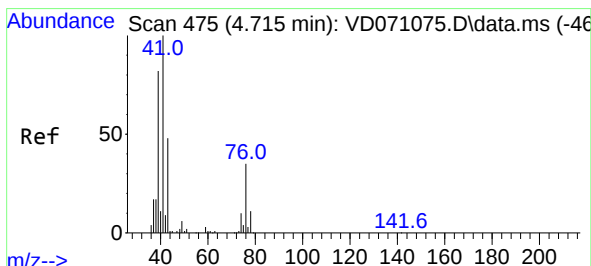
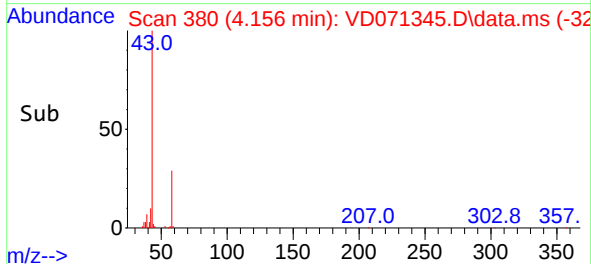
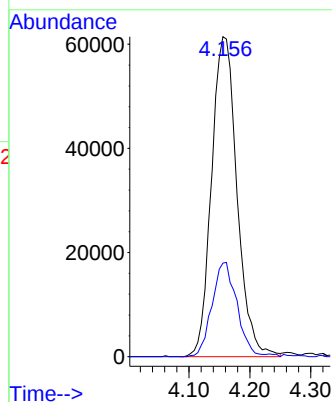
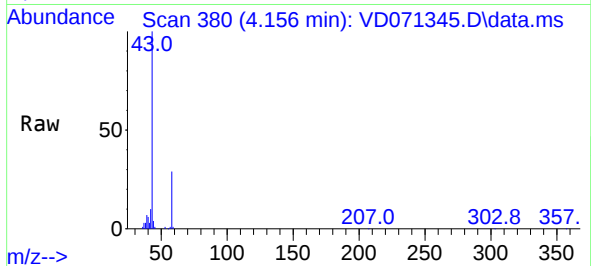




#16
Acetone
Concen: 188.456 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

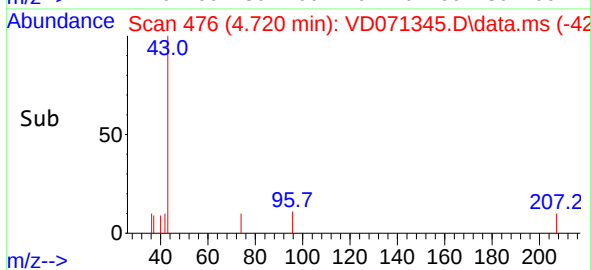
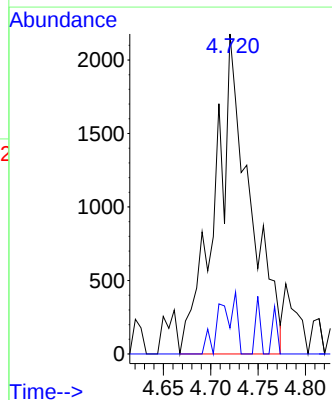
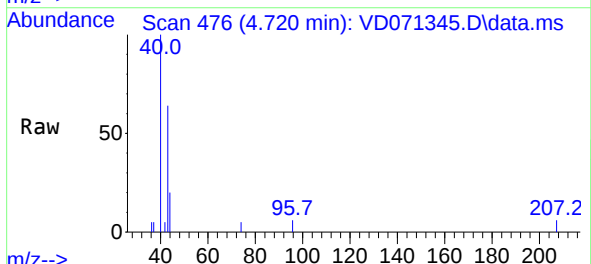
Instrument :
MSVOA_D
ClientSampleId :

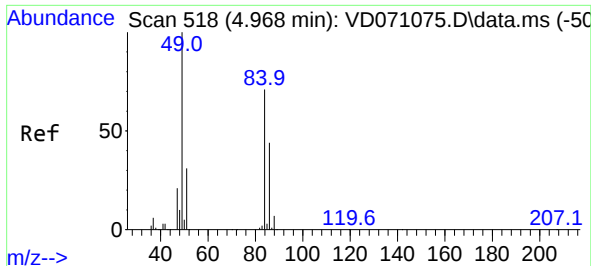
Tgt Ion: 43 Resp: 178649
Ion Ratio Lower Upper
43 100
58 29.2 27.8 41.8



#18
Methyl Acetate
Concen: 2.015 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

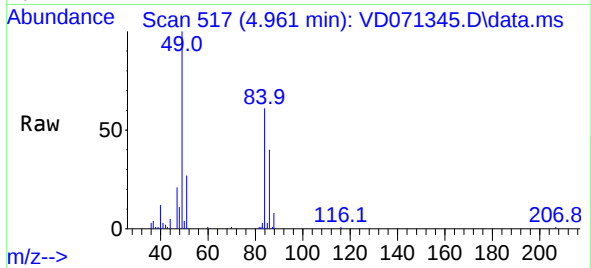
Tgt Ion: 43 Resp: 5564
Ion Ratio Lower Upper
43 100
74 9.1 19.3 28.9#



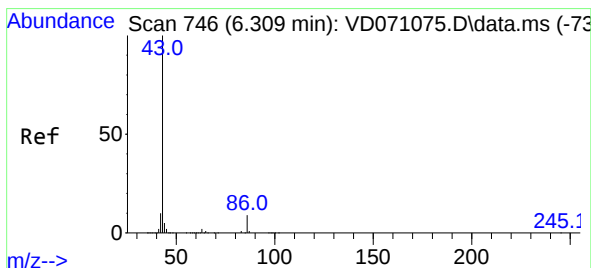
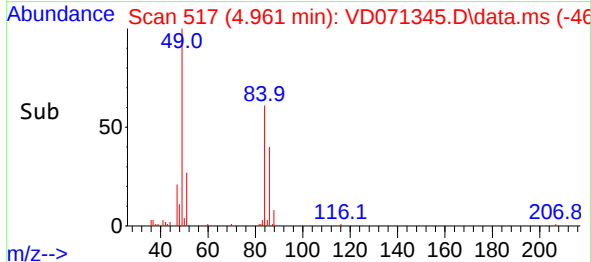
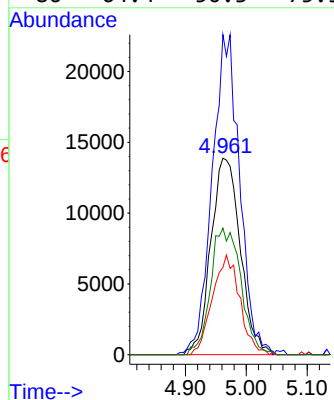


#20
Methylene Chloride
Concen: 8.918 ug/l
RT: 4.961 min Scan# 518
Delta R.T. -0.007 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

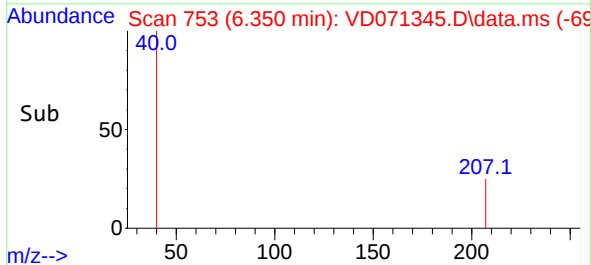
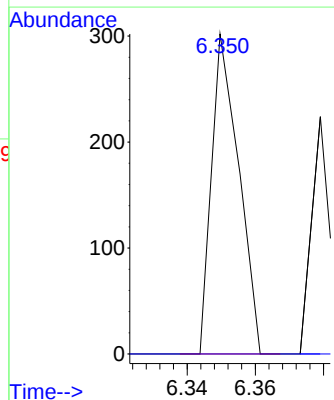
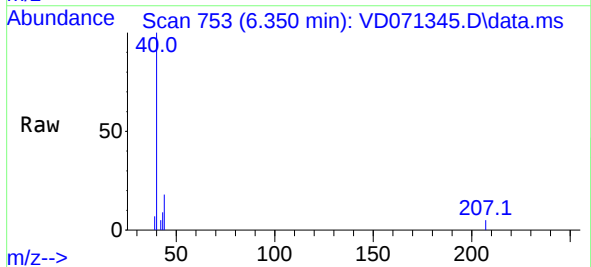


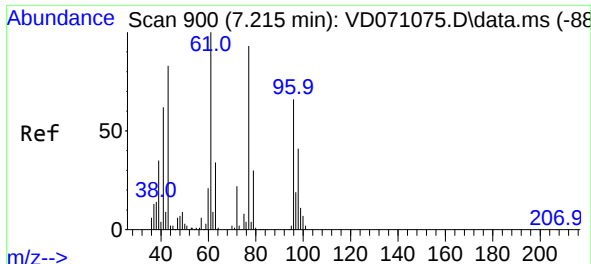
Tgt Ion: 84 Resp: 46628
Ion Ratio Lower Upper
84 100
49 161.7 95.8 143.6#
51 44.5 30.9 46.3
86 64.4 50.3 75.5



#23
Vinyl Acetate
Concen: 27.243 ug/l
RT: 6.350 min Scan# 753
Delta R.T. 0.041 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

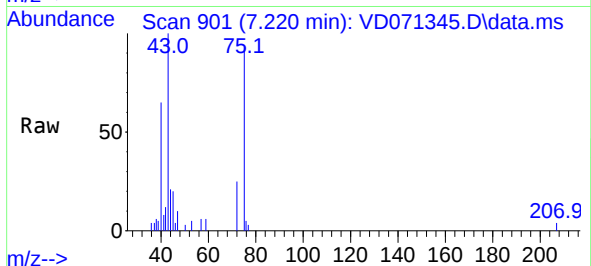
Tgt Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



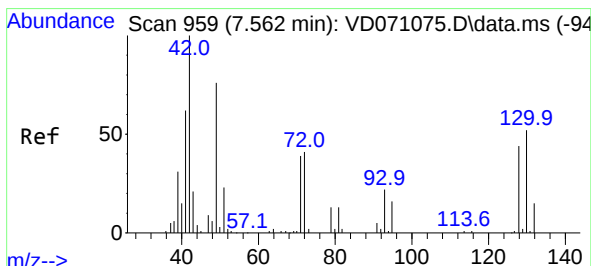
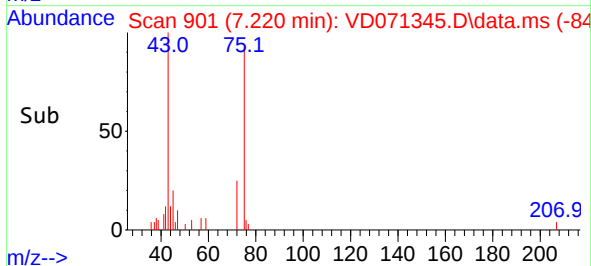
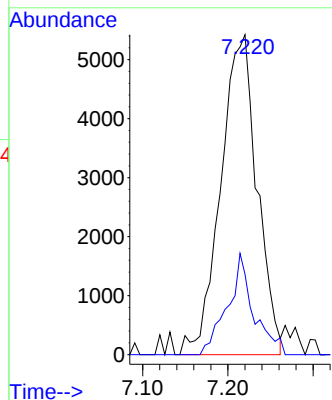


#25
2-Butanone
Concen: 40.795 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.005 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

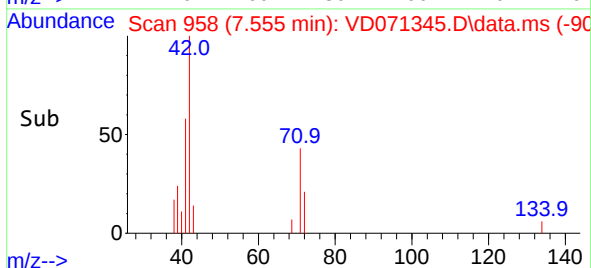
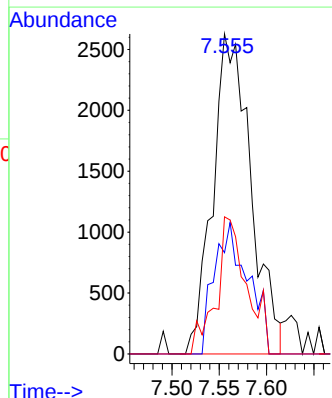
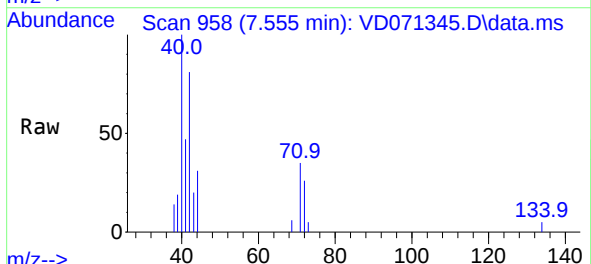


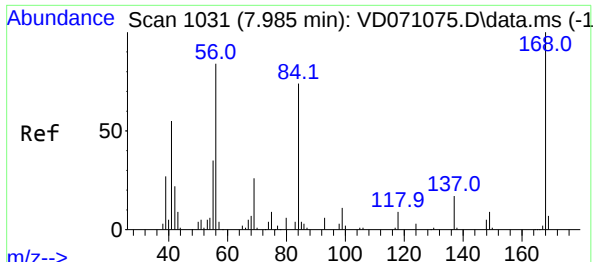
Tgt Ion: 43 Resp: 16096
Ion Ratio Lower Upper
43 100
72 25.2 23.8 35.6



#29
Tetrahydrofuran
Concen: 12.384 ug/l
RT: 7.555 min Scan# 958
Delta R.T. -0.007 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

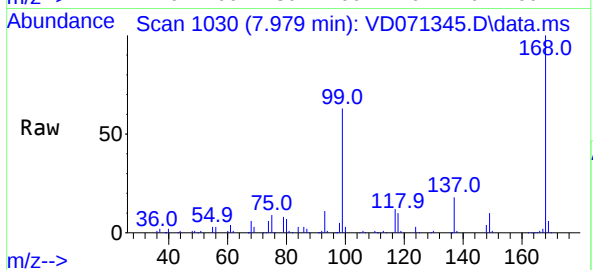
Tgt Ion: 42 Resp: 7358
Ion Ratio Lower Upper
42 100
72 36.2 33.7 50.5
71 34.0 32.7 49.1



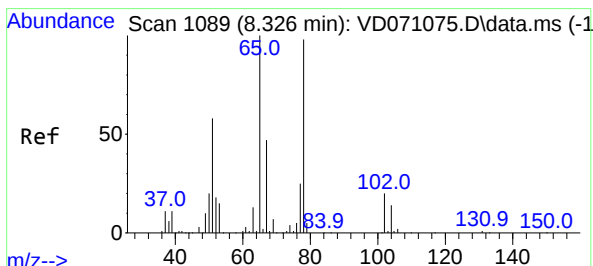
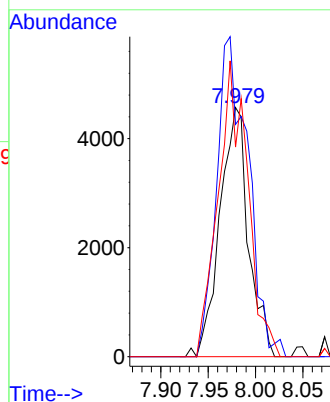
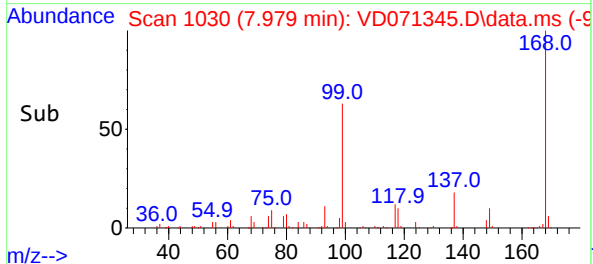


#31
Cyclohexane
Concen: 1.506 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

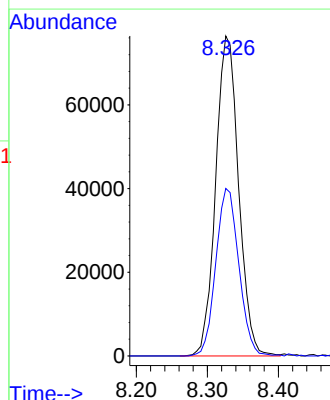
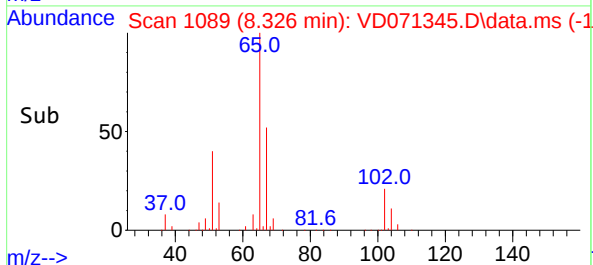
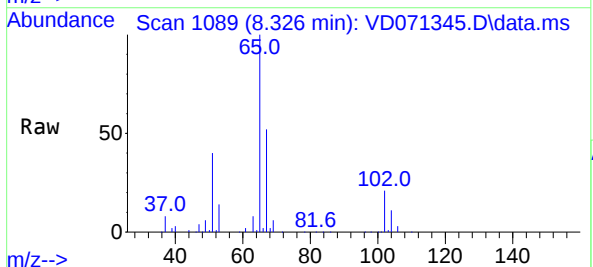


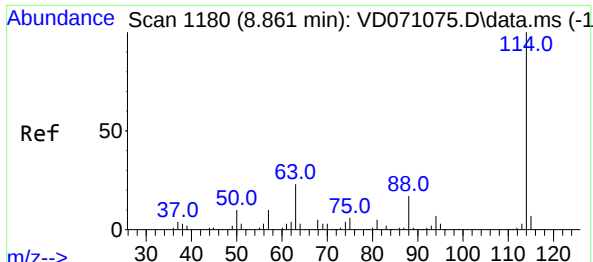
Tgt Ion: 56 Resp: 9584
Ion Ratio Lower Upper
56 100
69 93.2 25.9 38.9#
84 84.1 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 45.760 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

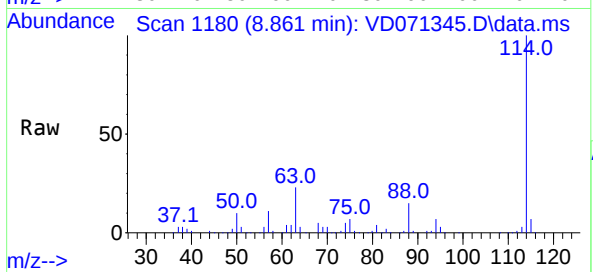
Tgt Ion: 65 Resp: 171218
Ion Ratio Lower Upper
65 100
67 52.6 0.0 112.2



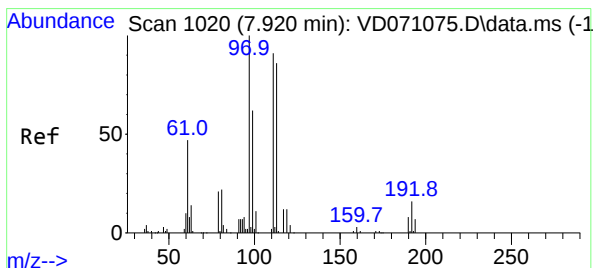
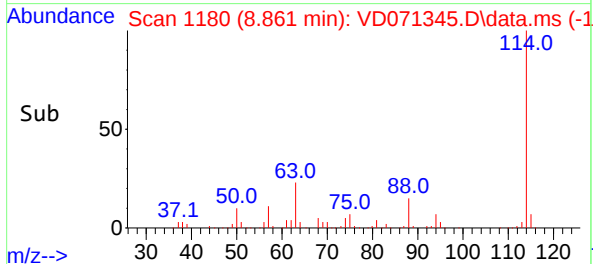
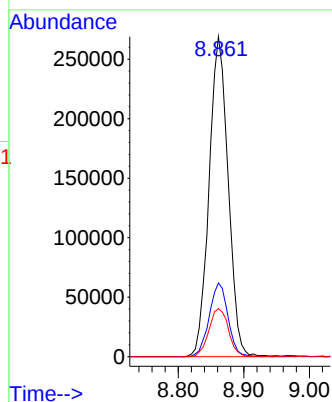


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

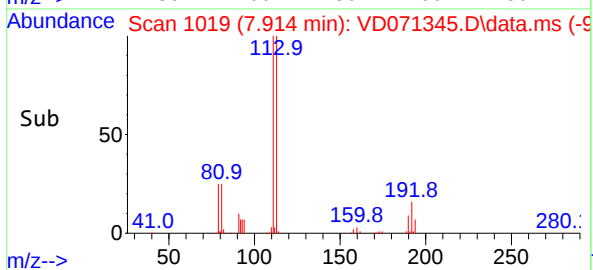
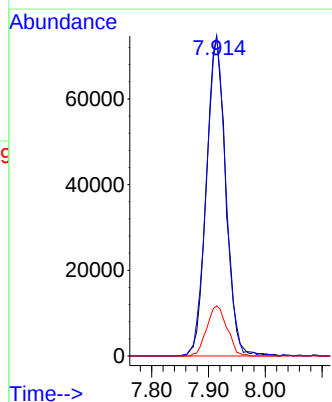
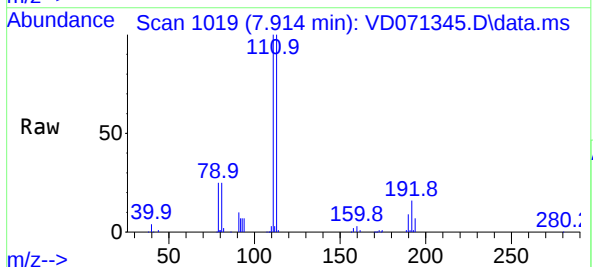


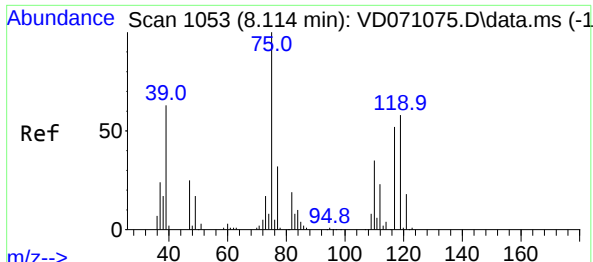
Tgt Ion:114 Resp: 543185
Ion Ratio Lower Upper
114 100
63 23.0 0.0 41.8
88 15.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.701 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

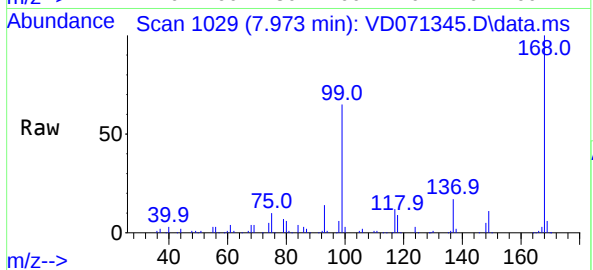
Tgt Ion:113 Resp: 175372
Ion Ratio Lower Upper
113 100
111 100.7 82.0 123.0
192 16.5 15.2 22.8



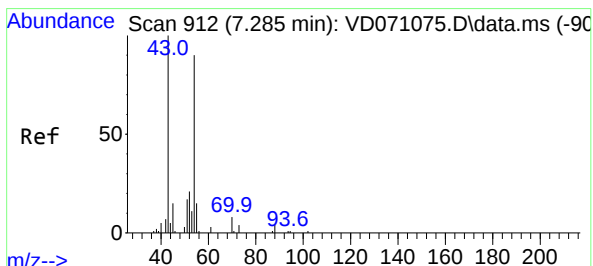
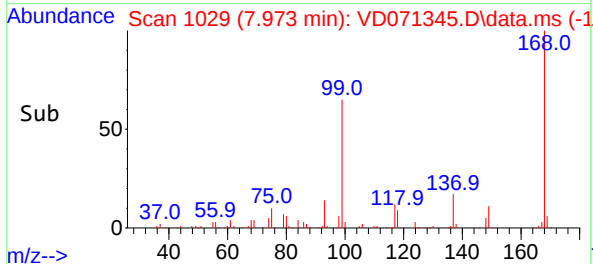
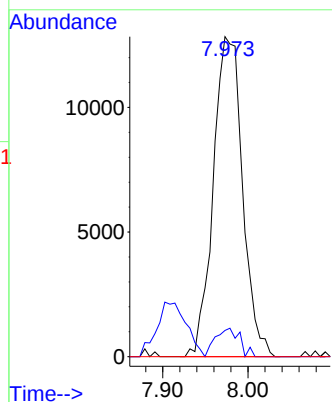


#36
1,1-Dichloropropene
Concen: 6.037 ug/l
RT: 7.973 min Scan# 1053
Delta R.T. -0.141 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

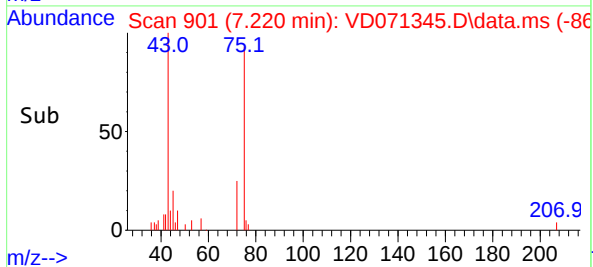
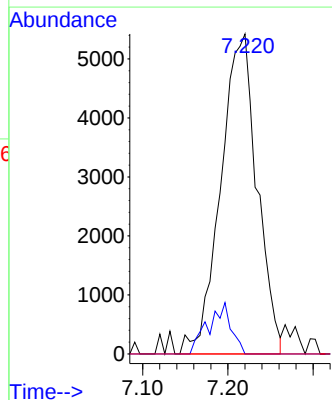
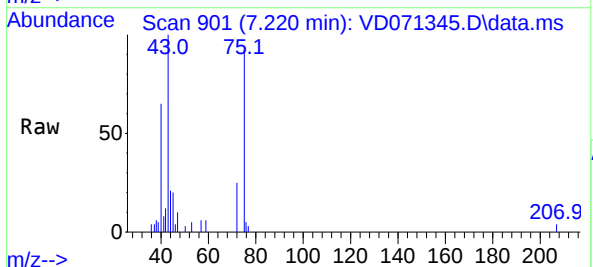


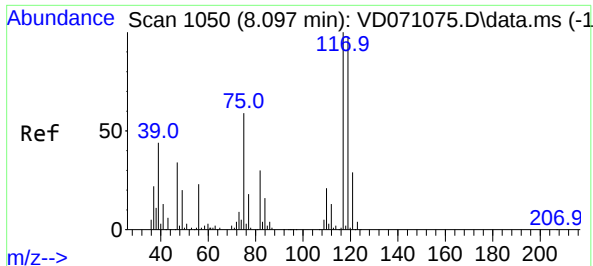
Tgt Ion: 75 Resp: 30647
Ion Ratio Lower Upper
75 100
110 7.4 17.8 53.4#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 7.340 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.065 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

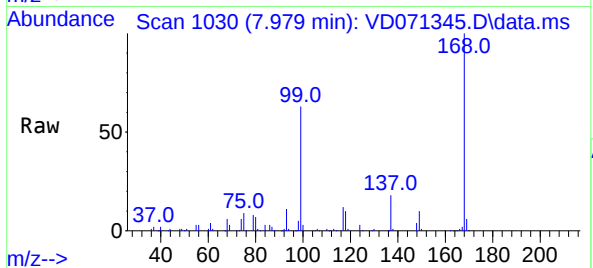
Tgt Ion: 43 Resp: 16096
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 8.7 13.1#



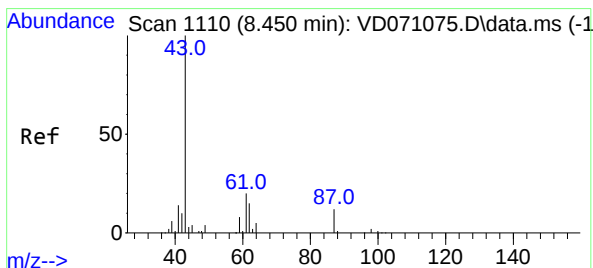
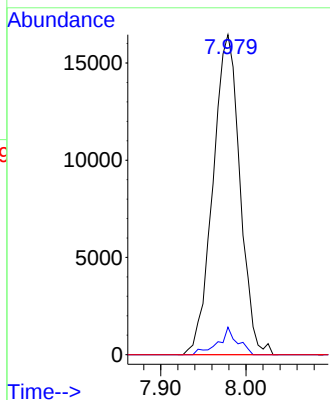
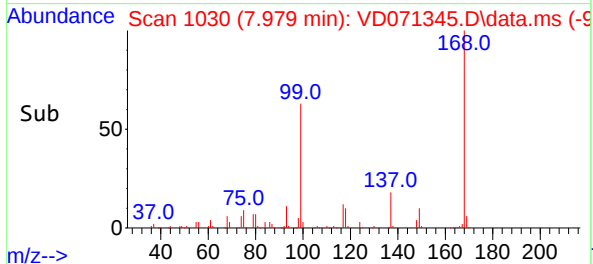


#38
Carbon Tetrachloride
Concen: 7.249 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

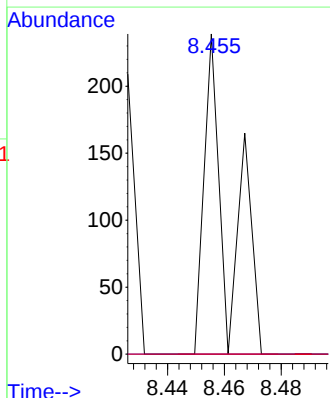
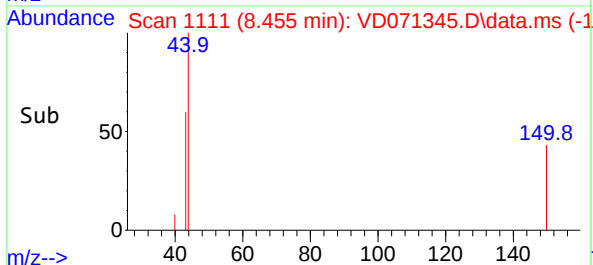
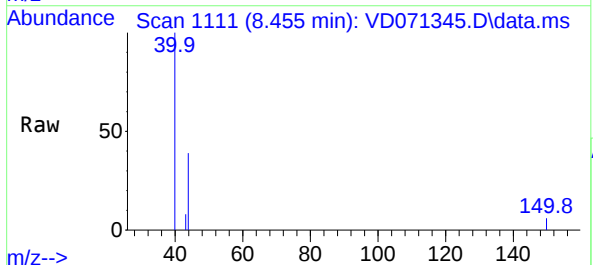


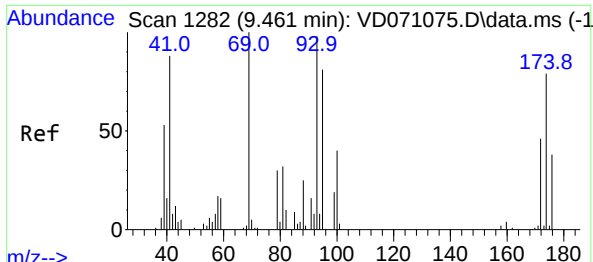
Tgt Ion:117 Resp: 36275
Ion Ratio Lower Upper
117 100
119 8.6 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.249 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

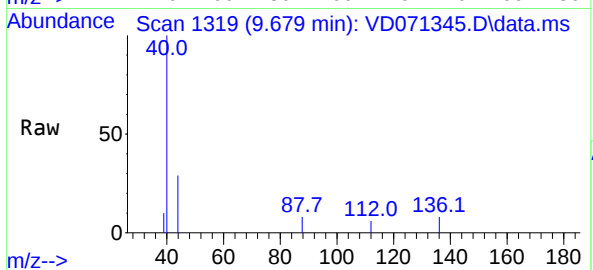
Tgt Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



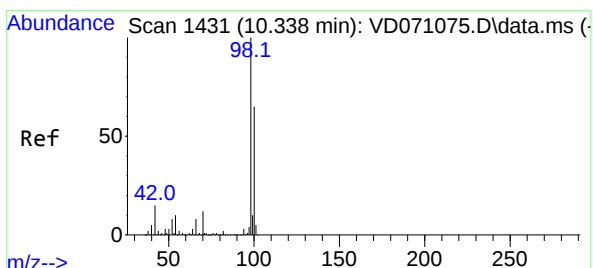
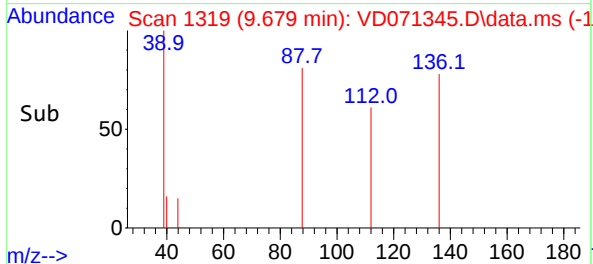
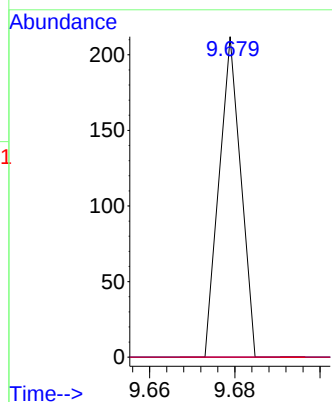


#49
1,4-Dioxane
Concen: 4.129 ug/l
RT: 9.679 min Scan# 11
Delta R.T. 0.218 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

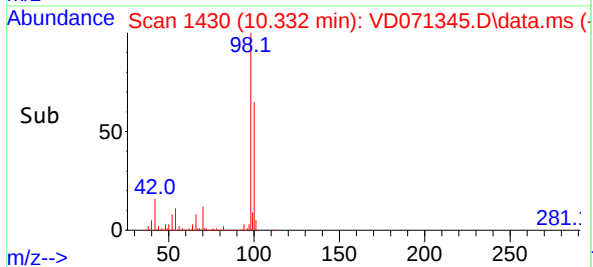
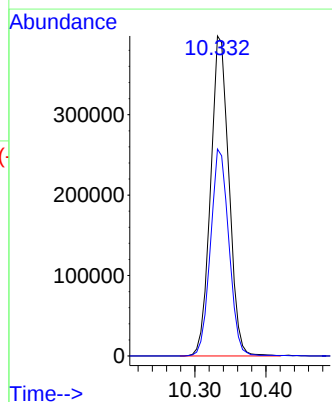
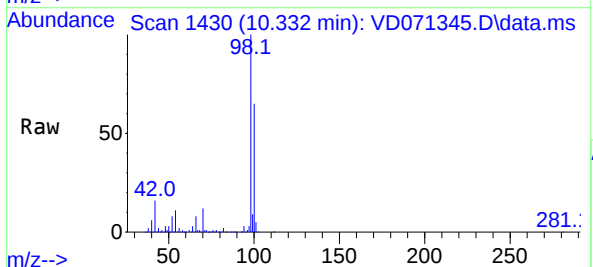


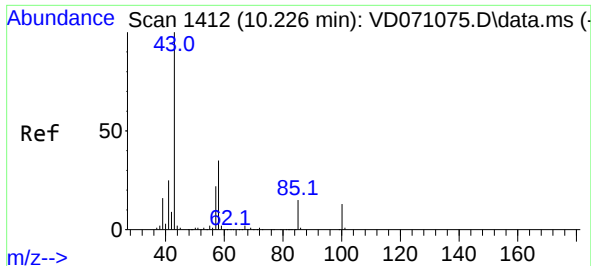
Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 54.101 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Tgt Ion: 98 Resp: 712136
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 30.738 ug/l

RT: 10.132 min Scan# 1412

Delta R.T. -0.094 min

Lab File: VD071345.D

Acq: 15 Dec 2021 16:24

Instrument :

MSVOA_D

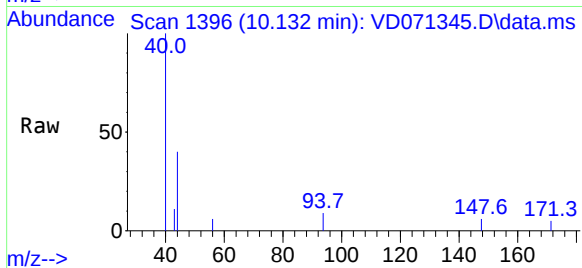
ClientSampleId :

Tgt Ion: 43 Resp: 242

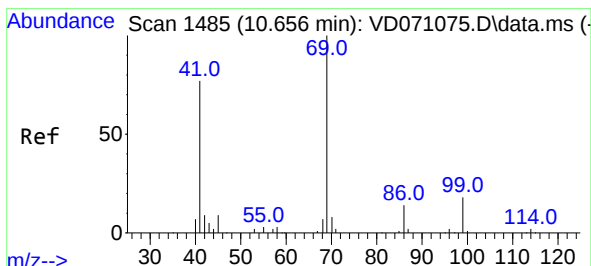
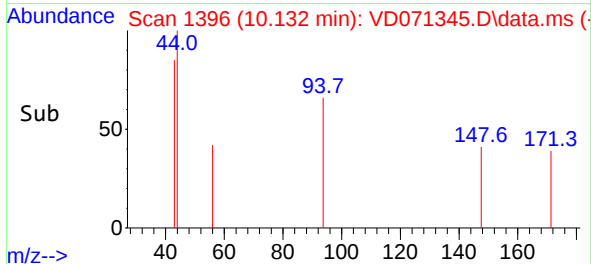
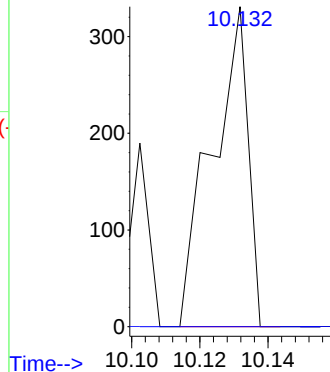
Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



Abundance



#56

Ethyl methacrylate

Concen: 5.993 ug/l

RT: 10.614 min Scan# 1478

Delta R.T. -0.042 min

Lab File: VD071345.D

Acq: 15 Dec 2021 16:24

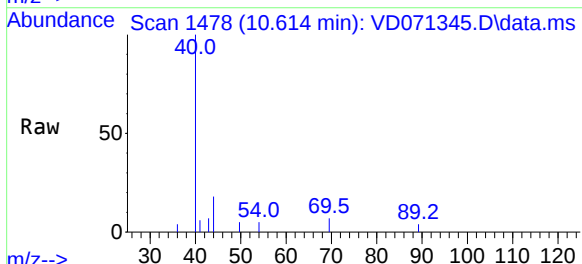
Tgt Ion: 69 Resp: 91

Ion Ratio Lower Upper

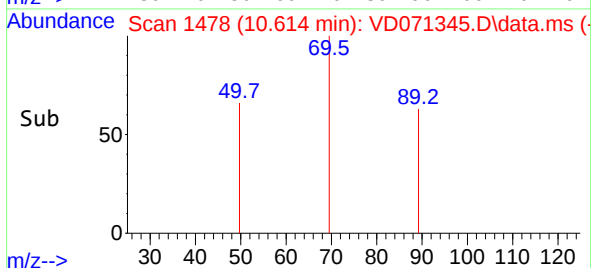
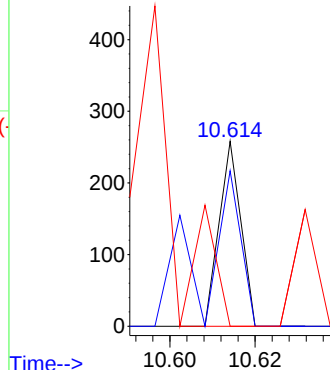
69 100

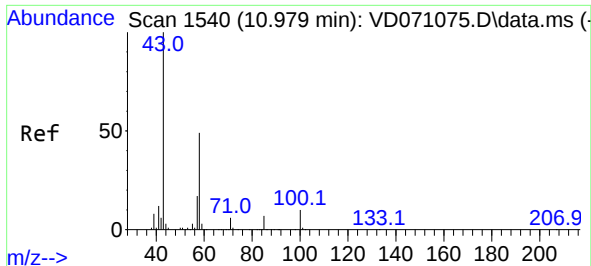
41 0.0 50.2 75.2#

39 62.6 19.8 29.8#



Abundance





#59

2-Hexanone

Concen: 34.612 ug/l

RT: 10.973 min Scan# 1539

Delta R.T. -0.006 min

Lab File: VD071345.D

Acq: 15 Dec 2021 16:24

Instrument :

MSVOA_D

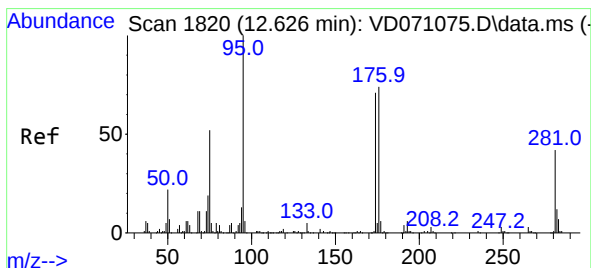
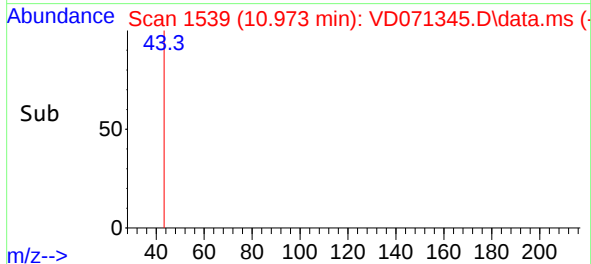
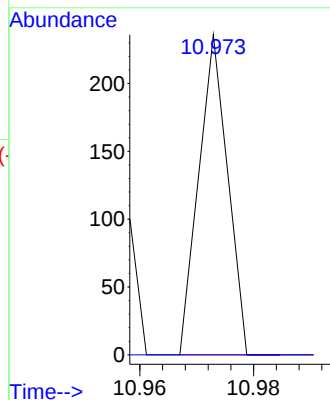
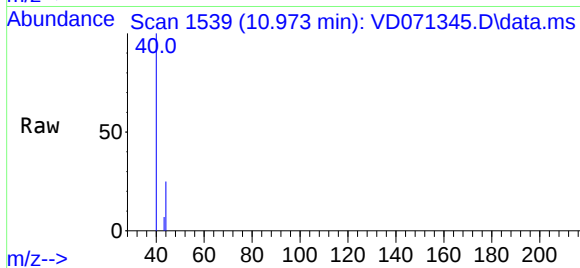
ClientSampleId :

Tgt Ion: 43 Resp: 83

Ion Ratio Lower Upper

43 100

58 0.0 28.7 86.1#



#62

4-Bromofluorobenzene

Concen: 70.949 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071345.D

Acq: 15 Dec 2021 16:24

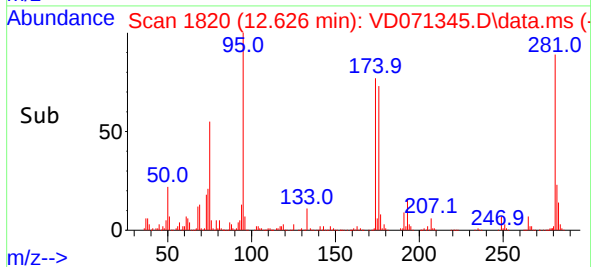
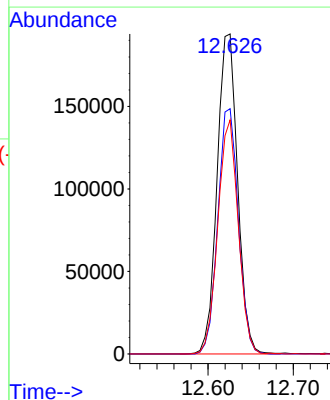
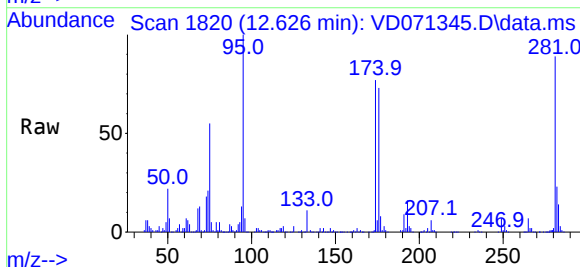
Tgt Ion: 95 Resp: 323724

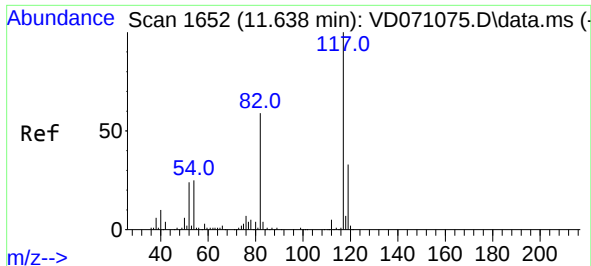
Ion Ratio Lower Upper

95 100

174 76.7 0.0 159.4

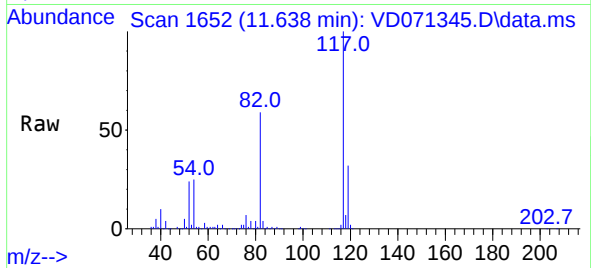
176 72.8 0.0 154.0



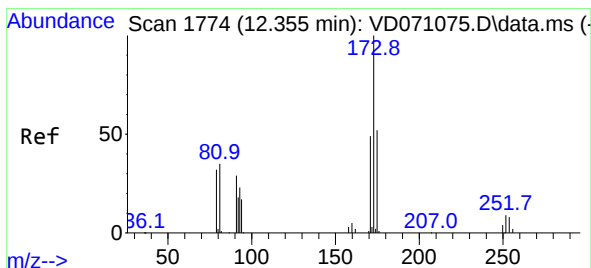
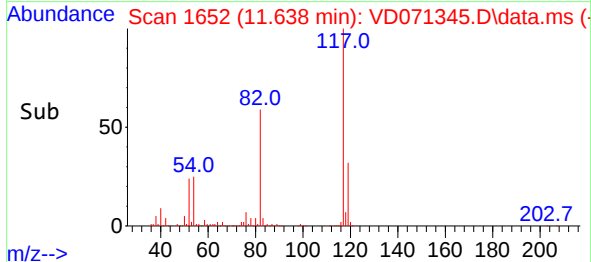
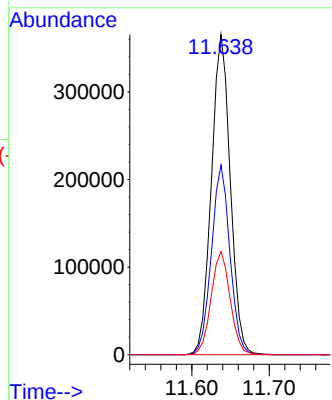


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

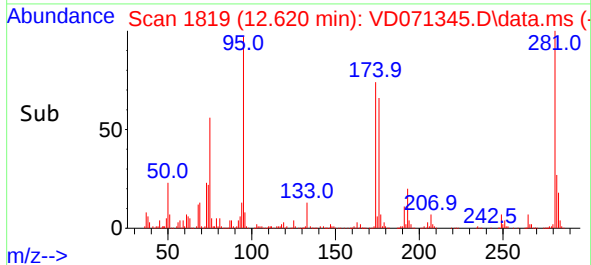
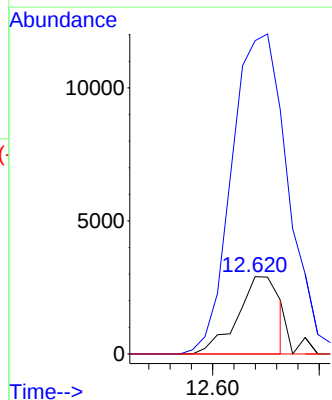
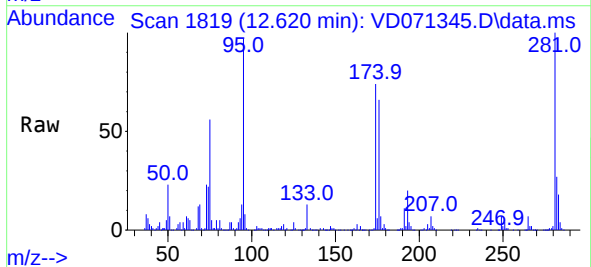


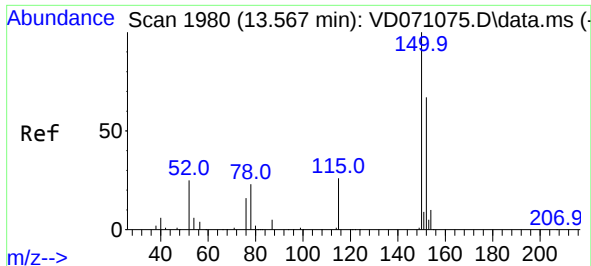
Tgt Ion:117 Resp: 618708
Ion Ratio Lower Upper
117 100
82 59.2 44.7 67.1
119 32.2 26.2 39.4



#71
Bromoform
Concen: 1.836 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

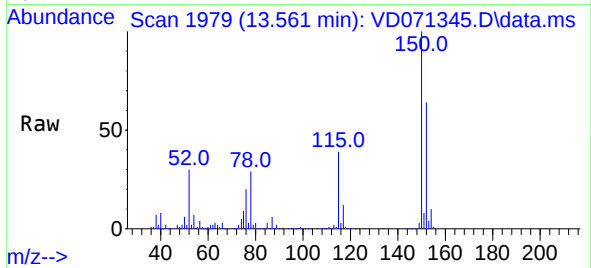
Tgt Ion:173 Resp: 3986
Ion Ratio Lower Upper
173 100
175 473.5 24.1 72.2#
254 0.0 0.1 0.1#



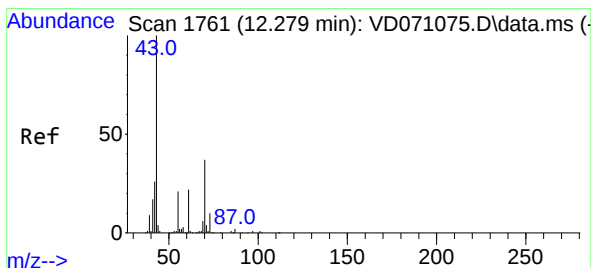
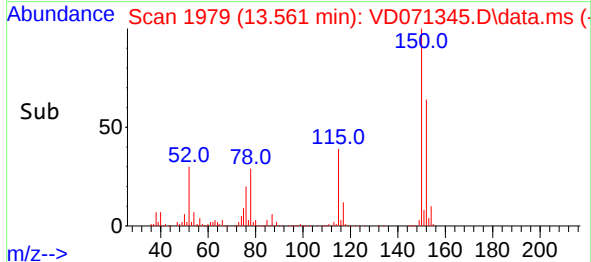
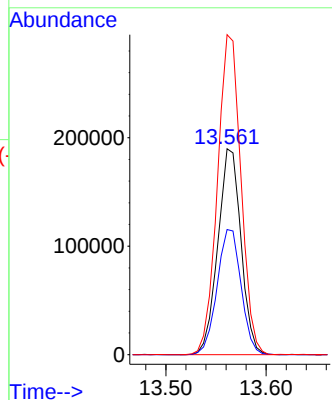


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

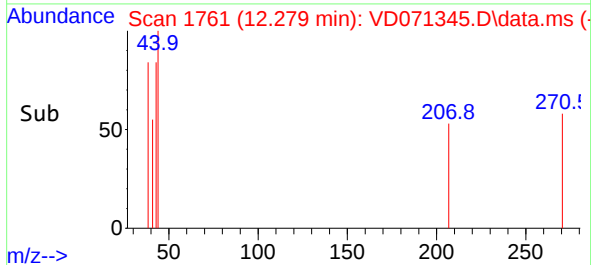
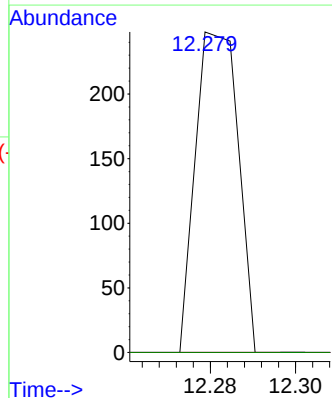
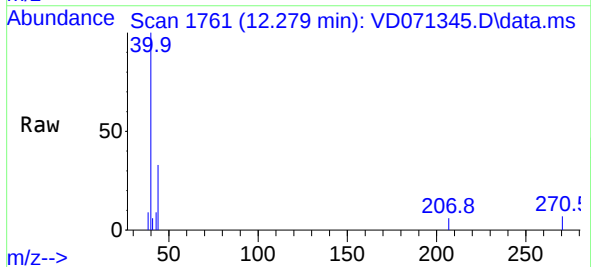


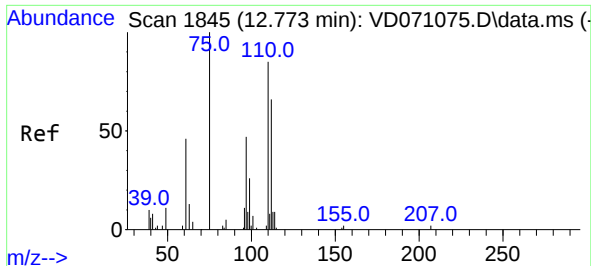
Tgt Ion:152 Resp: 303701
Ion Ratio Lower Upper
152 100
115 63.0 29.8 89.3
150 158.0 0.0 349.2



#74
N-ethyl acetate
Concen: 5.727 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

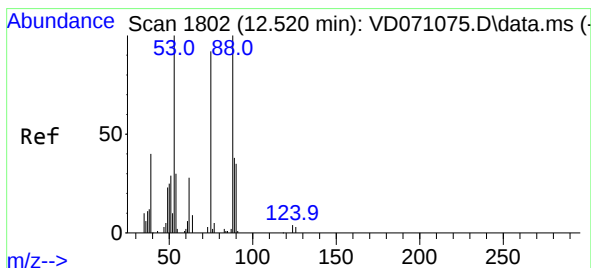
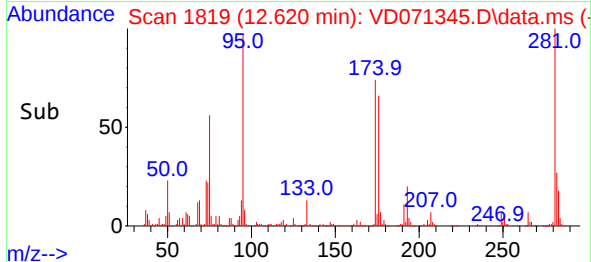
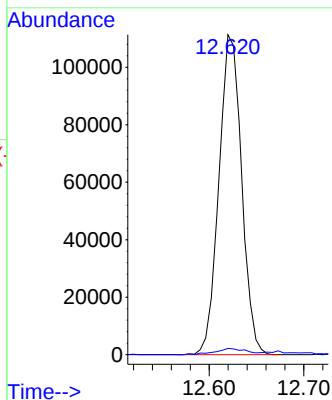
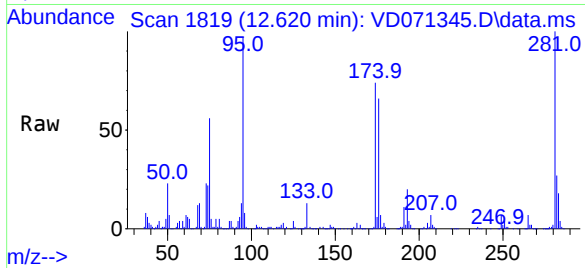




#76
1,2,3-Trichloropropane
Concen: 64.062 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 185364
Ion Ratio Lower Upper
75 100
77 2.6 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.307 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071345.D
Acq: 15 Dec 2021 16:24

Tgt Ion: 75 Resp: 185364
Ion Ratio Lower Upper
75 100
53 0.8 62.6 94.0#
89 1.6 34.5 51.7#

