

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071255.D
 Acq On : 10 Dec 2021 16:51
 Operator : VA/SY
 Sample : M4980-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 04:40:59 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	262043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	448220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	474027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	216990	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	126940	41.28	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.56%
35) Dibromofluoromethane	7.914	113	135033	47.31	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.62%
50) Toluene-d8	10.338	98	576707	53.10	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.20%
62) 4-Bromofluorobenzene	12.626	95	224119	59.53	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.06%

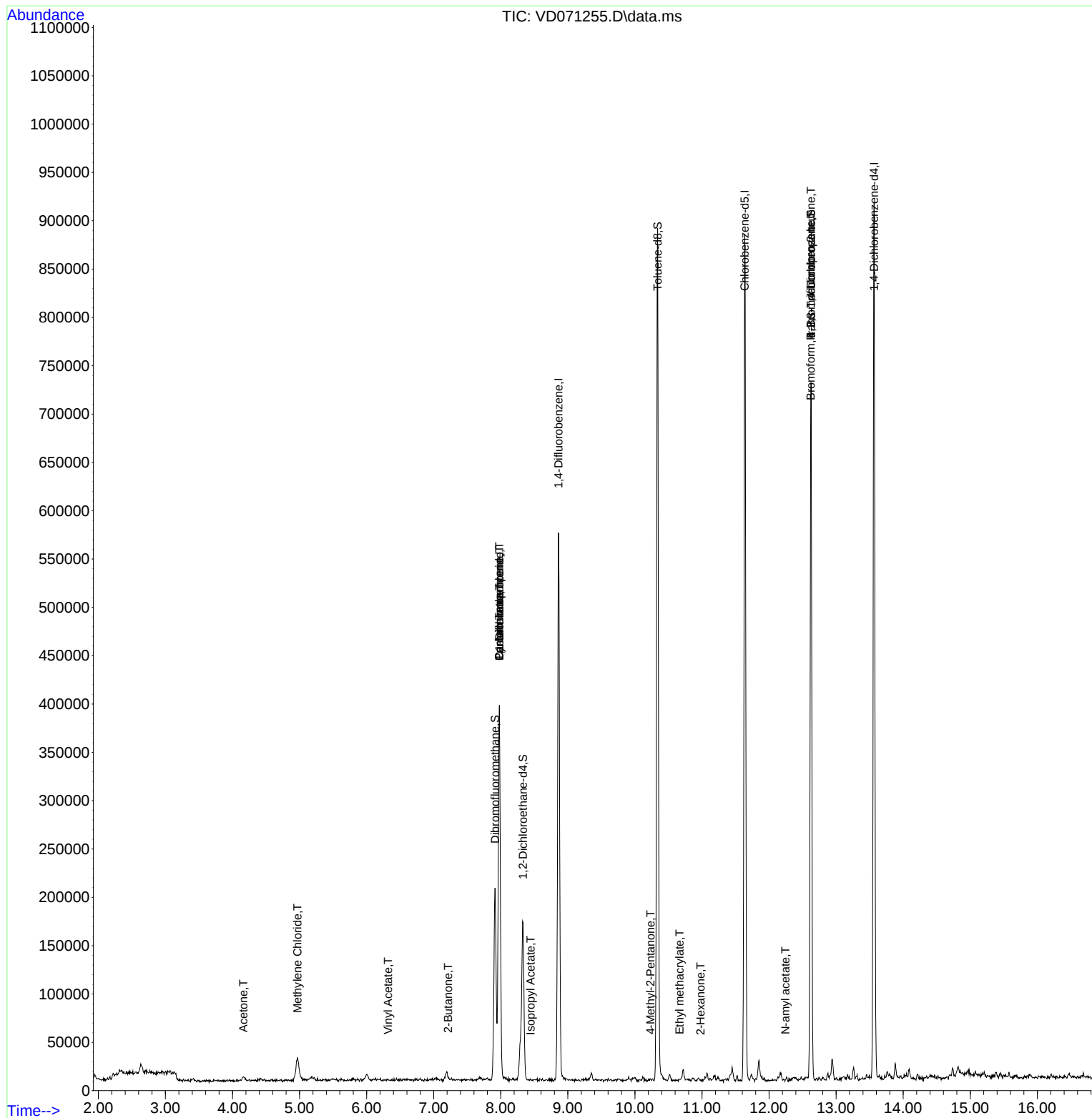
Target Compounds						Qvalue
11) Tert butyl alcohol	5.191	59	3505	Below Cal	#	71
16) Acetone	4.161	43	6913	38.22	ug/l	94
20) Methylene Chloride	4.967	84	17015	1.43	ug/l	95
23) Vinyl Acetate	6.320	43	142	27.24	ug/l #	72
25) 2-Butanone	7.214	43	414	28.75	ug/l #	45
31) Cyclohexane	7.979	56	8147	1.56	ug/l #	28
36) 1,1-Dichloropropene	7.979	75	24238	5.79	ug/l #	49
38) Carbon Tetrachloride	7.979	117	28223	6.83	ug/l #	19
41) Methacrylonitrile	7.544	41	65	Below Cal	#	27
43) Isopropyl Acetate	8.444	43	140	5.25	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	1096	31.12	ug/l #	34
56) Ethyl methacrylate	10.667	69	192	6.03	ug/l #	1
59) 2-Hexanone	10.979	43	544	34.88	ug/l #	22
71) Bromoform	12.620	173	1893	1.14	ug/l #	1
74) N-amyl acetate	12.243	43	1453	6.00	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	126988	61.42	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	126988	132.85	ug/l #	18

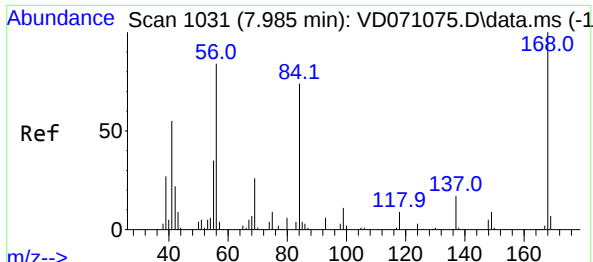
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071255.D
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Operator : VA/SY
Sample : M4980-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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Instrument :
MSVOA_D
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Quant Time: Dec 11 04:40:59 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

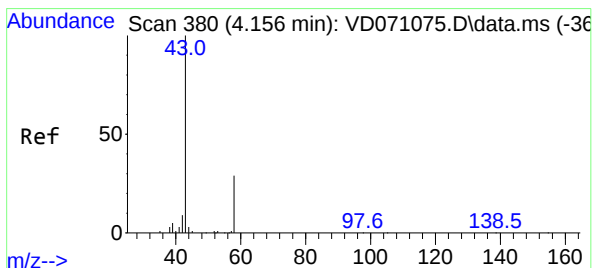
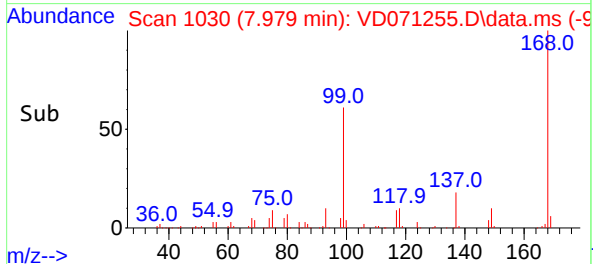
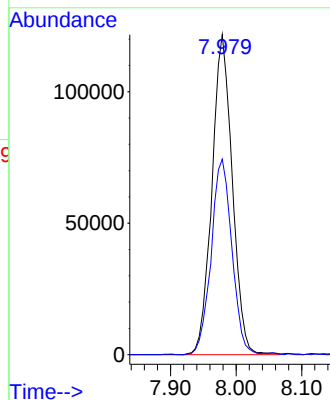
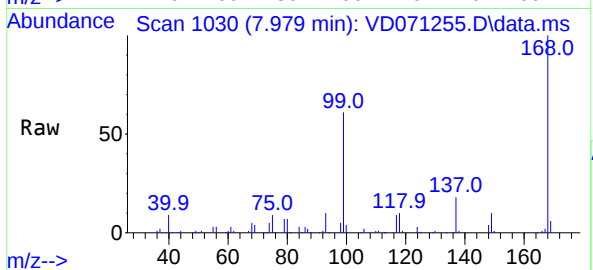




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

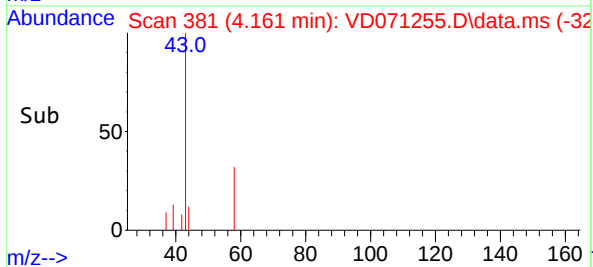
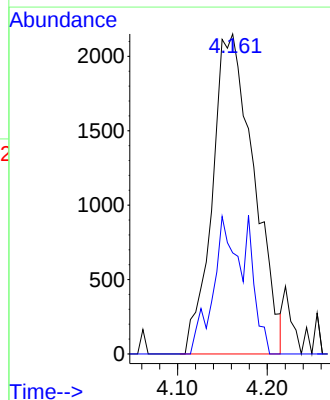
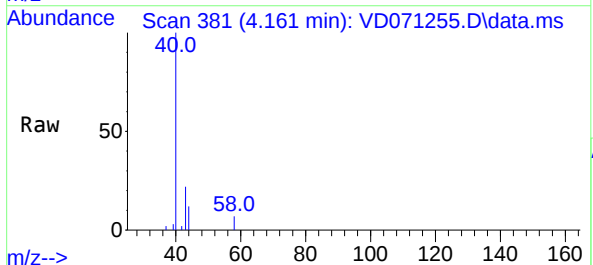
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MSVOA_D
ClientSampleId :

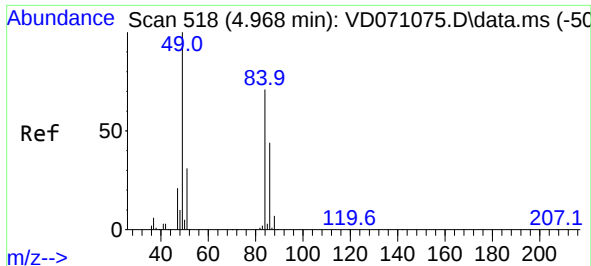
Tgt Ion:168 Resp: 262043
Ion Ratio Lower Upper
168 100
99 61.1 46.6 69.8



#16
Acetone
Concen: 38.22 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

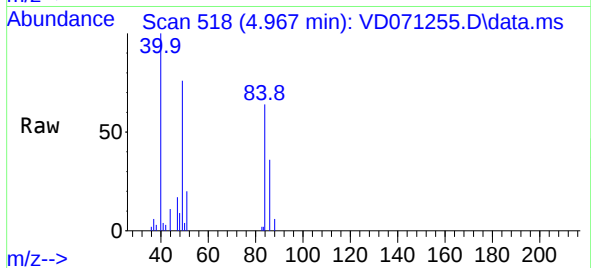
Tgt Ion: 43 Resp: 6913
Ion Ratio Lower Upper
43 100
58 31.6 27.8 41.8



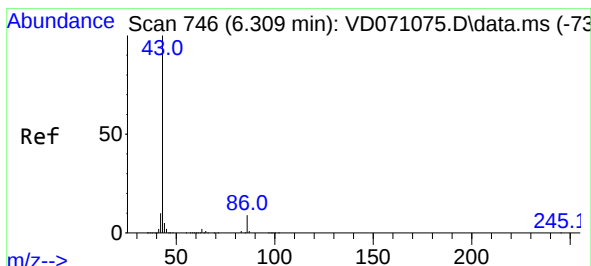
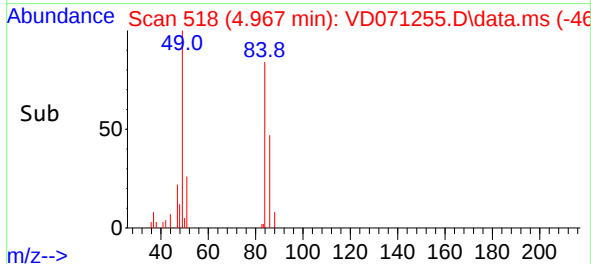
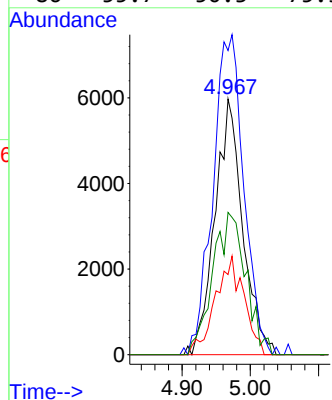


#20
Methylene Chloride
Concen: 1.43 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Instrument :
MSVOA_D
ClientSampleId :

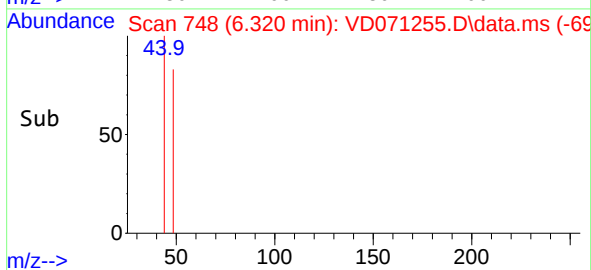
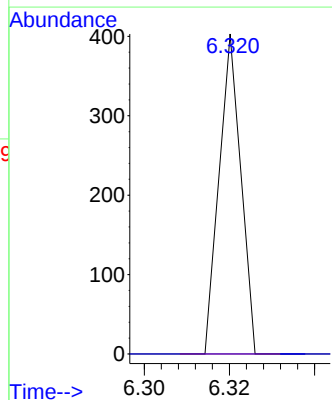
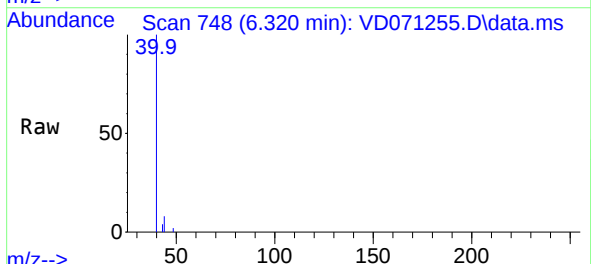


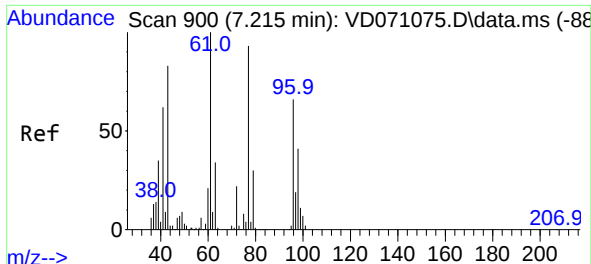
Tgt Ion: 84 Resp: 17015
Ion Ratio Lower Upper
84 100
49 119.0 95.8 143.6
51 31.4 30.9 46.3
86 55.7 50.3 75.5



#23
Vinyl Acetate
Concen: 27.24 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

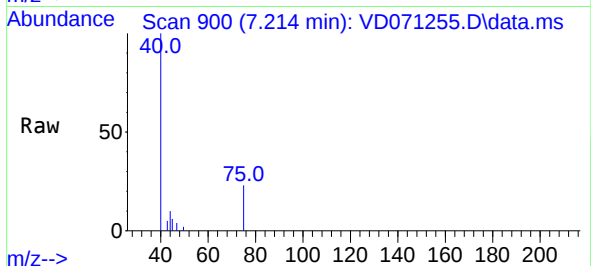
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



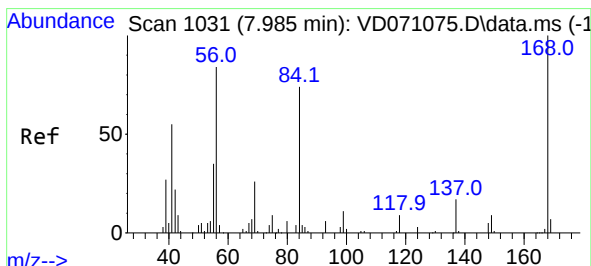
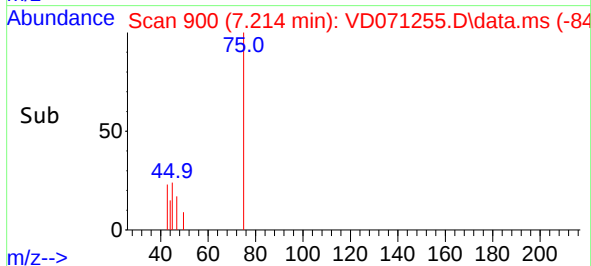
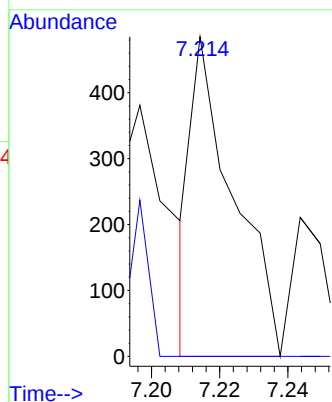


#25
2-Butanone
Concen: 28.75 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.001 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Instrument :
MSVOA_D
ClientSampleId :

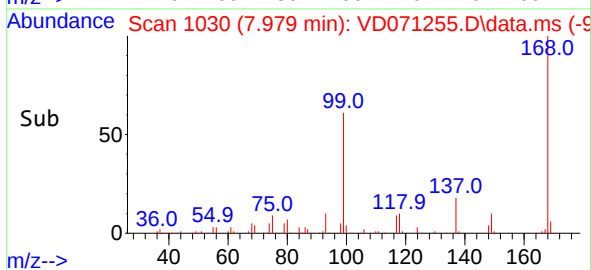
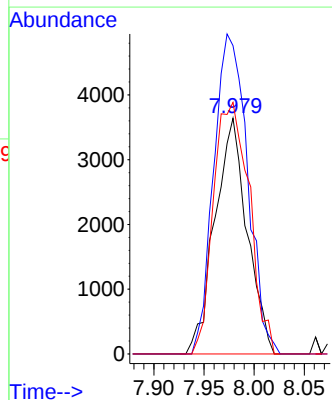
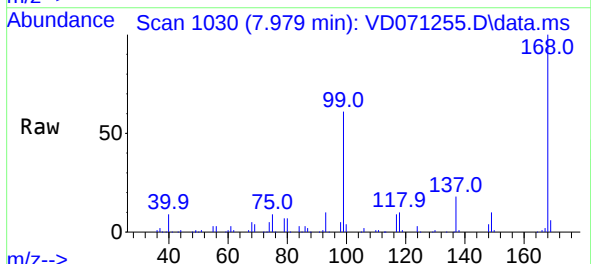


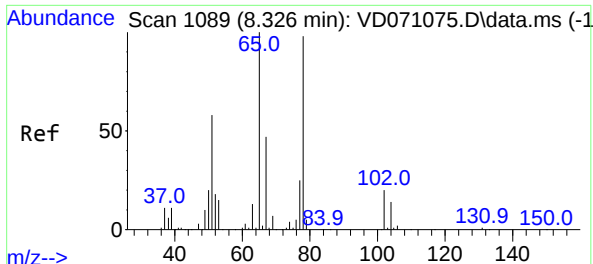
Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.56 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Tgt Ion: 56 Resp: 8147
Ion Ratio Lower Upper
56 100
69 130.9 25.9 38.9#
84 106.8 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 41.28 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071255.D

Acq: 10 Dec 2021 16:51

Instrument :

MSVOA_D

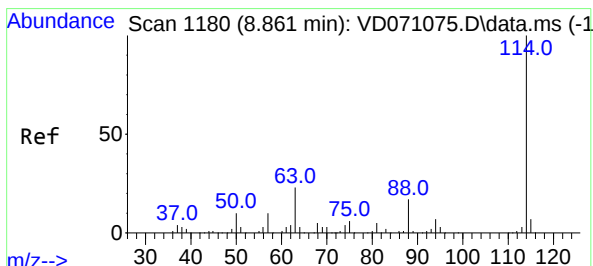
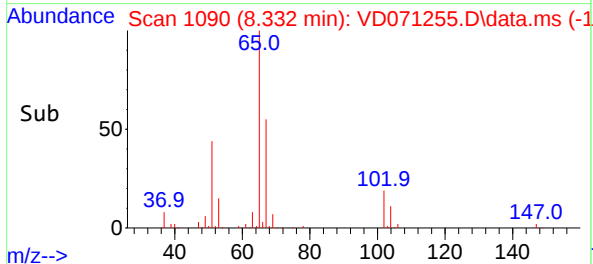
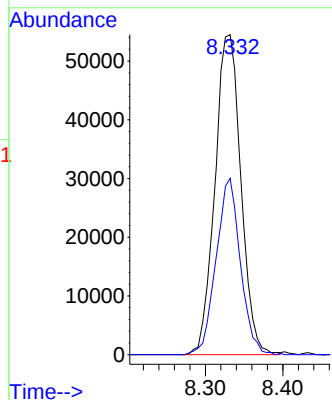
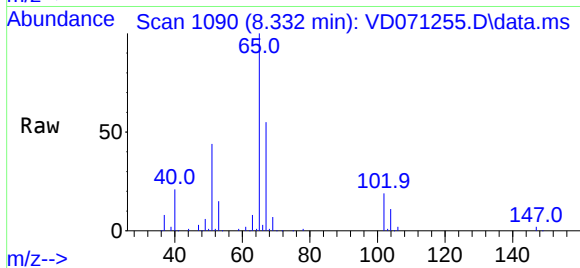
ClientSampleId :

Tgt Ion: 65 Resp: 126940

Ion Ratio Lower Upper

65 100

67 51.5 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071255.D

Acq: 10 Dec 2021 16:51

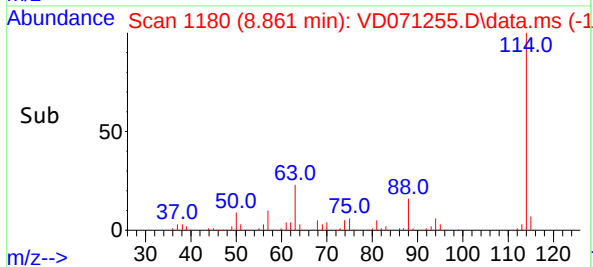
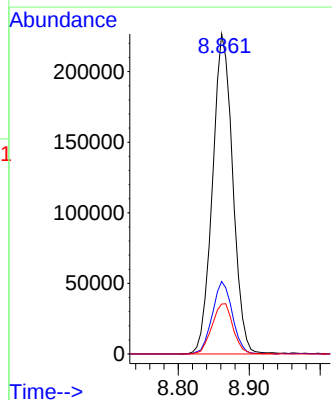
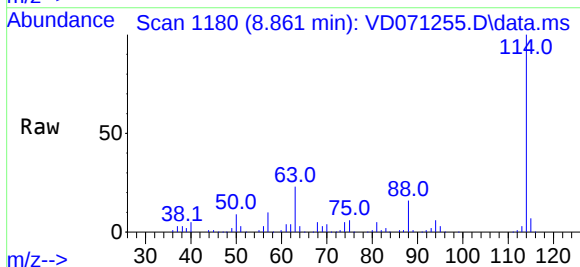
Tgt Ion: 114 Resp: 448220

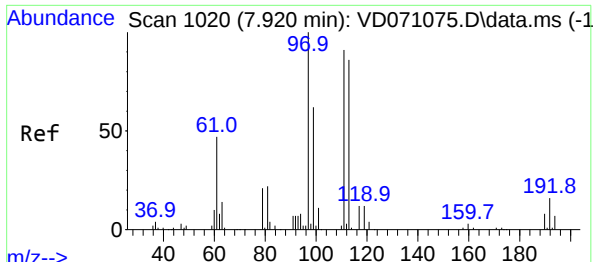
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.31 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071255.D

Acq: 10 Dec 2021 16:51

Instrument :

MSVOA_D

ClientSampleId :

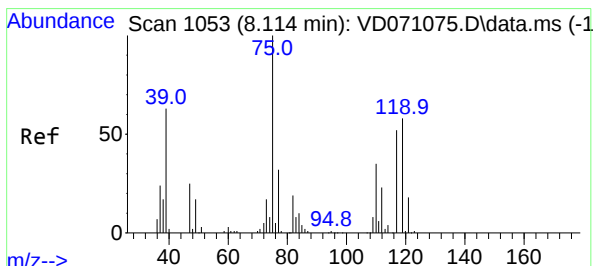
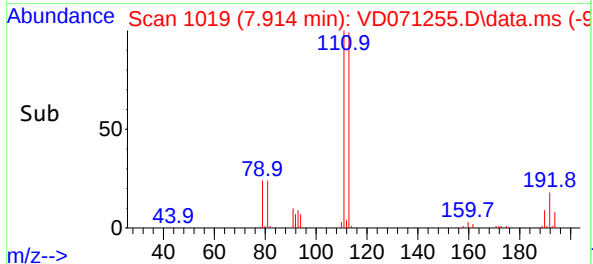
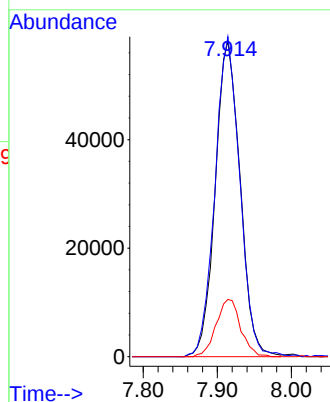
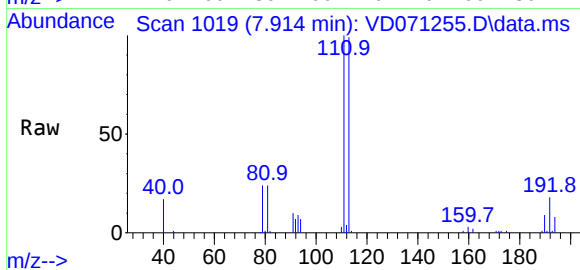
Tgt Ion:113 Resp: 135033

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

192 18.0 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.79 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071255.D

Acq: 10 Dec 2021 16:51

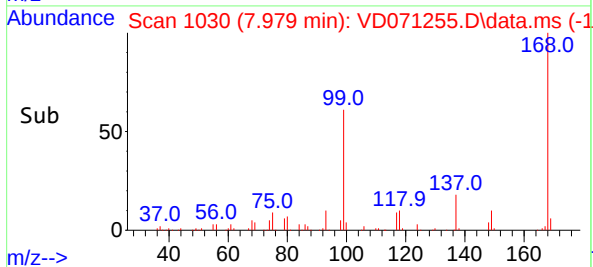
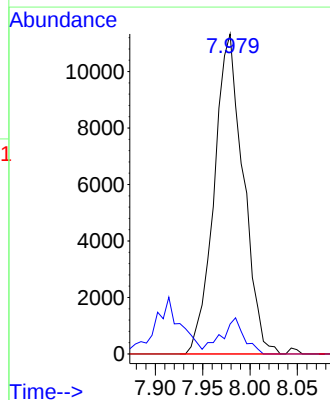
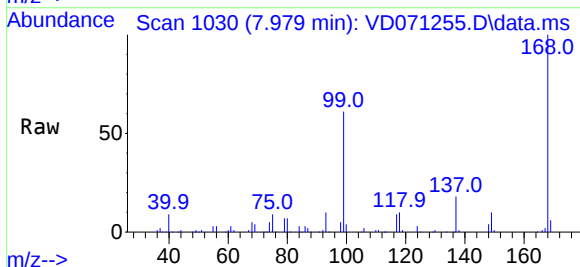
Tgt Ion: 75 Resp: 24238

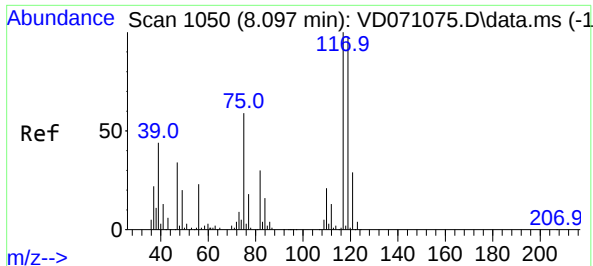
Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.4#

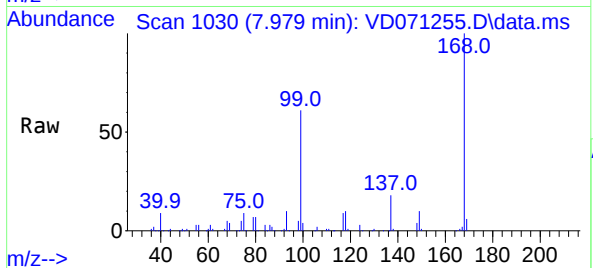
77 0.0 24.8 37.2#



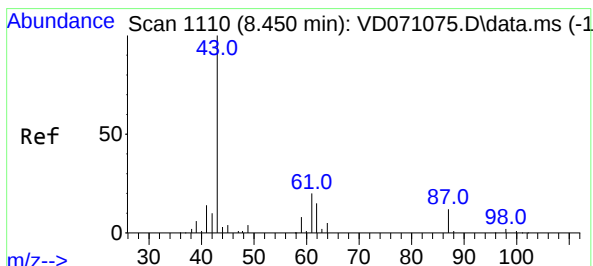
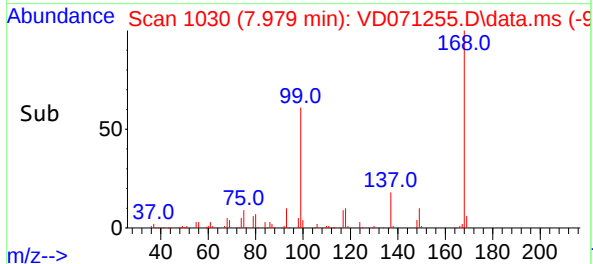
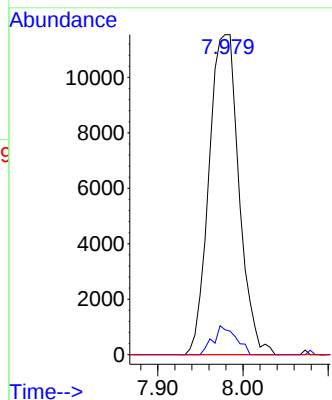


#38
Carbon Tetrachloride
Concen: 6.83 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Instrument :
MSVOA_D
ClientSampleId :

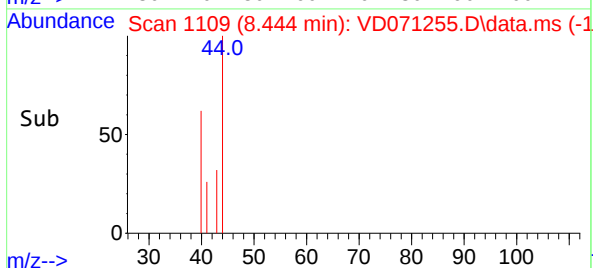
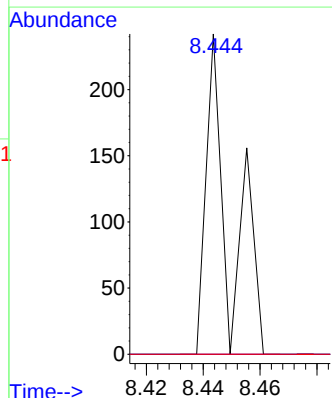
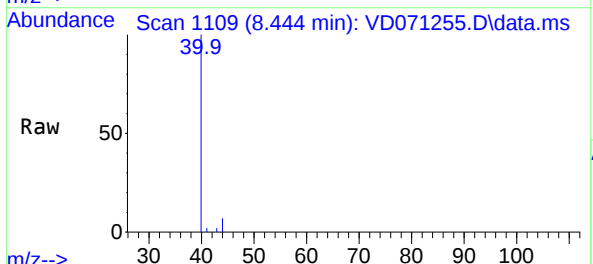


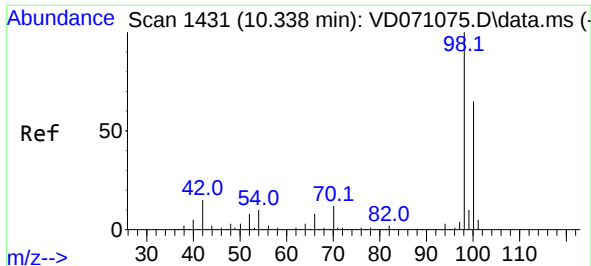
Tgt Ion:117 Resp: 28223
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.25 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

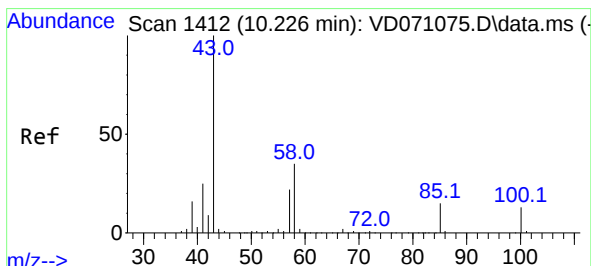
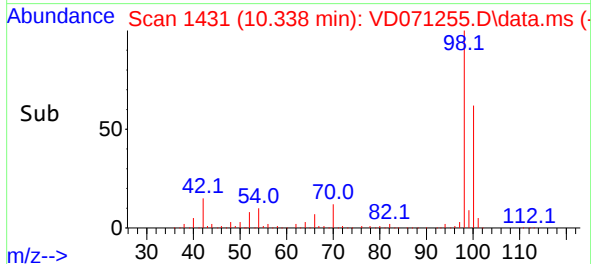
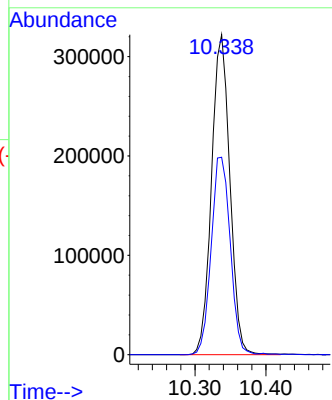
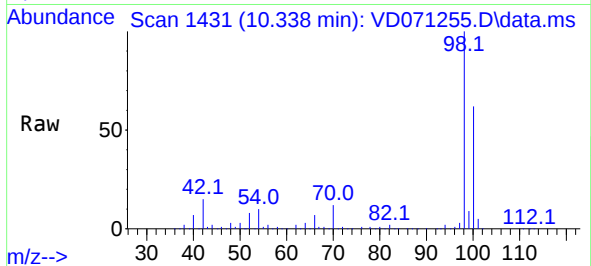




#50
Toluene-d8
Concen: 53.10 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

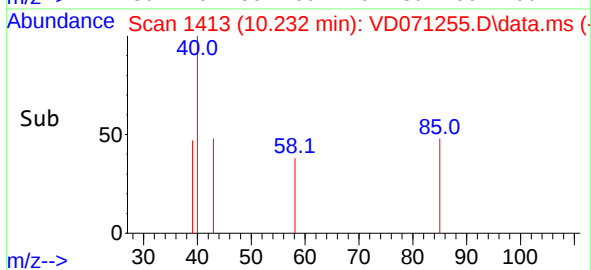
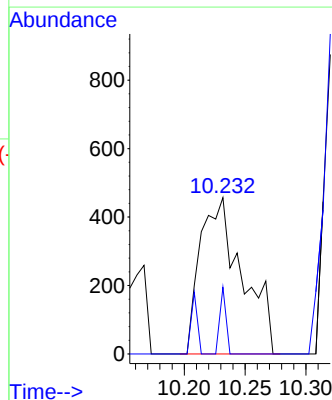
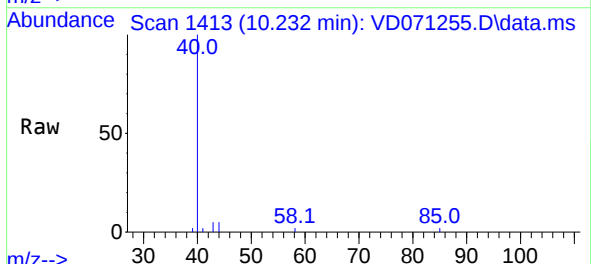
Instrument :
MSVOA_D
ClientSampleId :

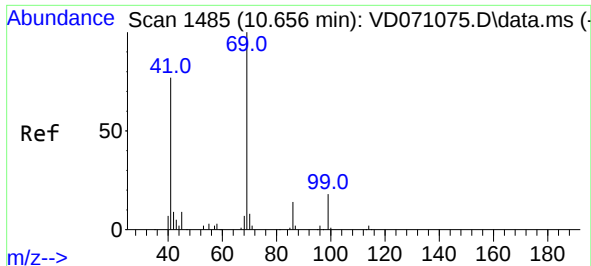
Tgt Ion: 98 Resp: 576707
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.12 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

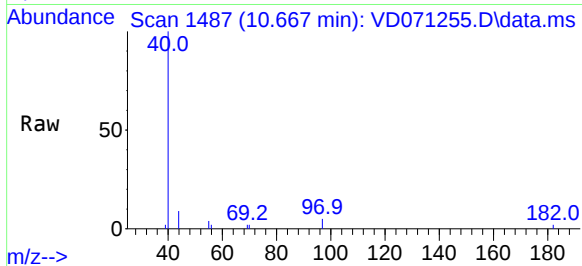
Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



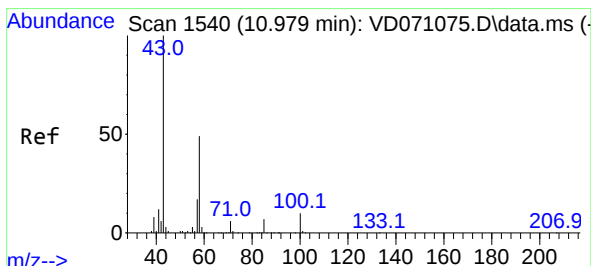
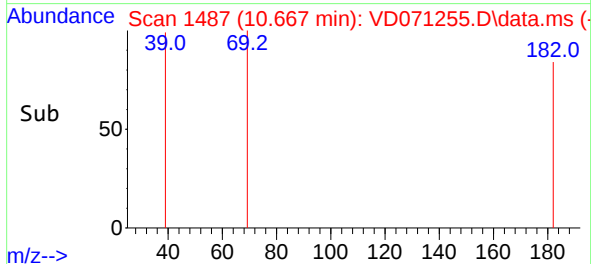
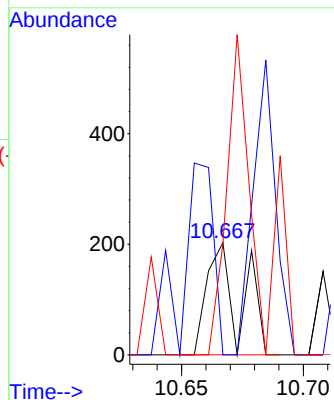


#56
Ethyl methacrylate
Concen: 6.03 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.011 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Instrument :
MSVOA_D
ClientSampleId :

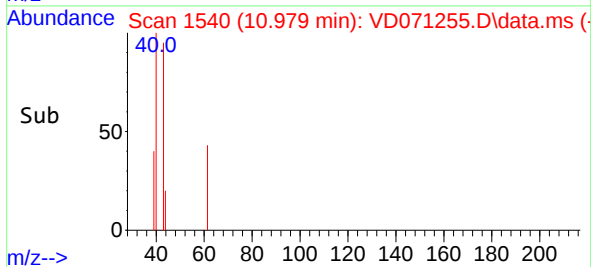
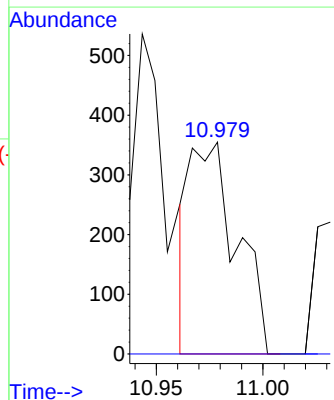
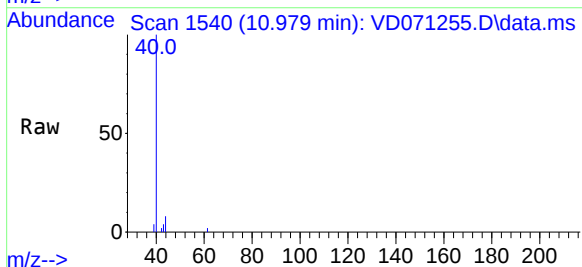


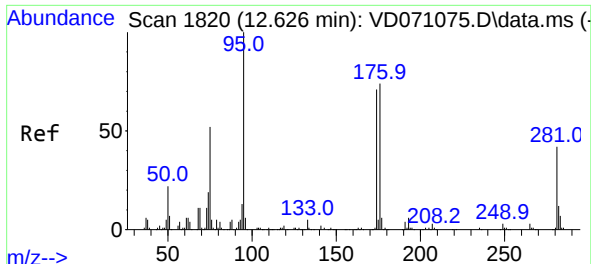
Tgt Ion: 69 Resp: 192
Ion Ratio Lower Upper
69 100
41 160.9 50.2 75.2#
39 189.6 19.8 29.8#



#59
2-Hexanone
Concen: 34.88 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

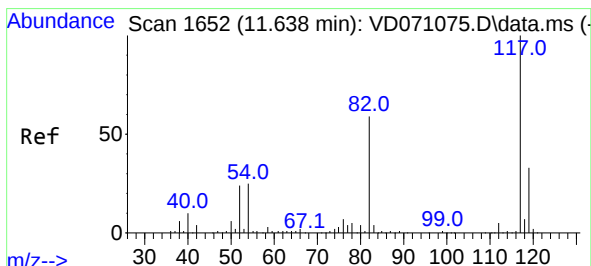
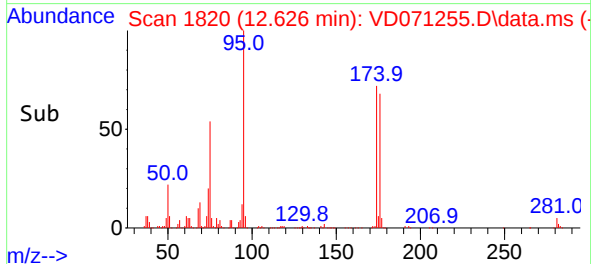
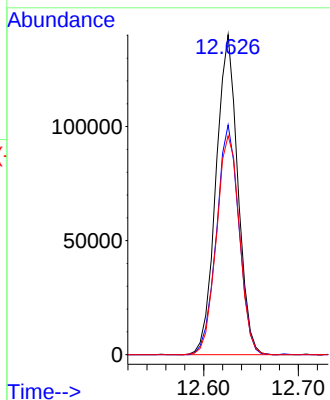
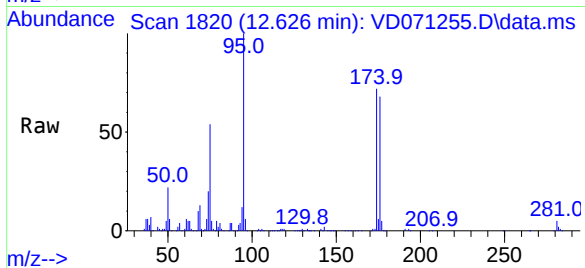




#62
4-Bromofluorobenzene
Concen: 59.53 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

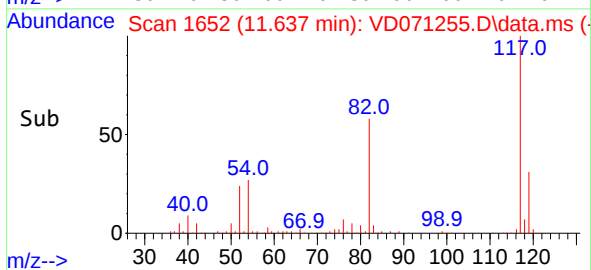
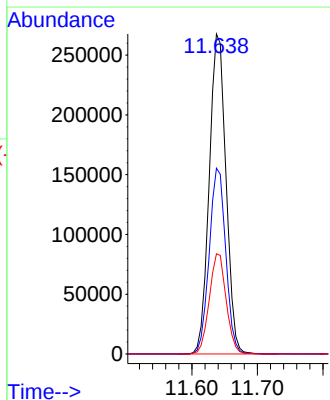
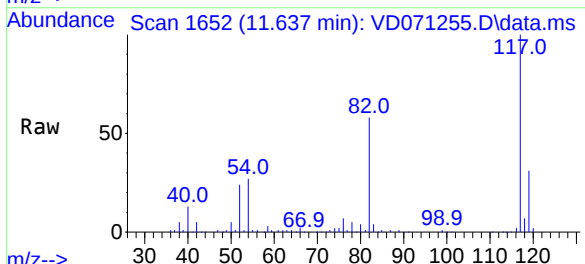
Instrument :
MSVOA_D
ClientSampleId :

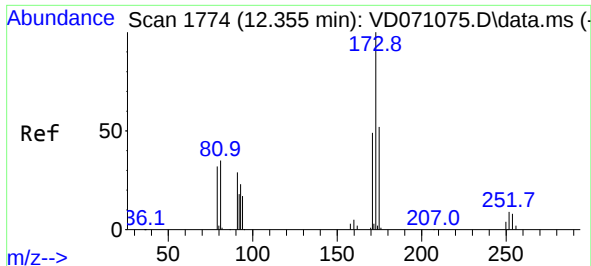
Tgt Ion: 95 Resp: 224119
Ion Ratio Lower Upper
95 100
174 73.8 0.0 159.4
176 72.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Tgt Ion: 117 Resp: 474027
Ion Ratio Lower Upper
117 100
82 58.1 44.7 67.1
119 31.3 26.2 39.4

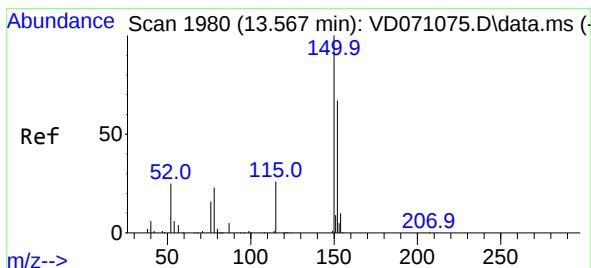
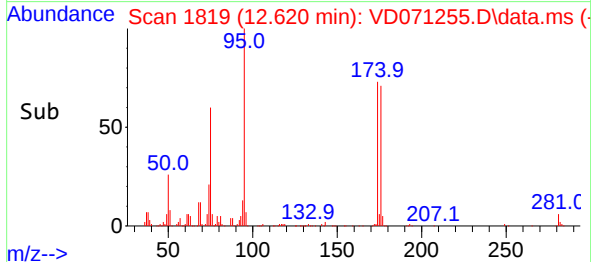
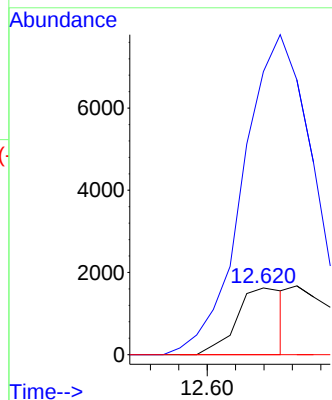
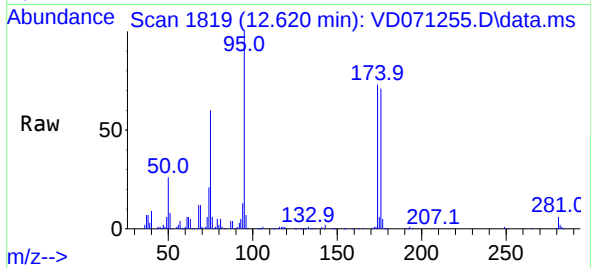




#71
Bromoform
Concen: 1.14 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

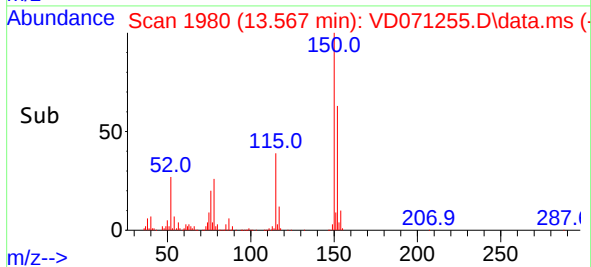
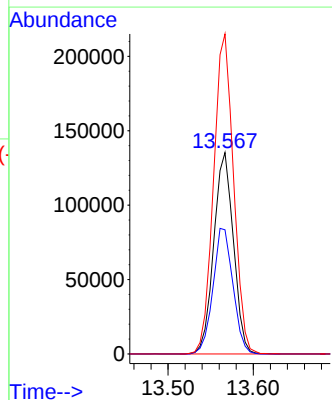
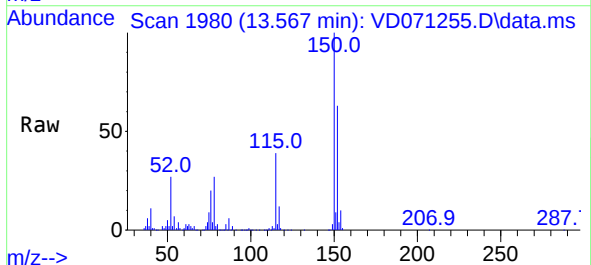
Instrument :
MSVOA_D
ClientSampleId :

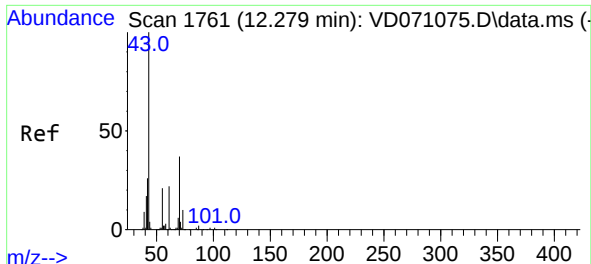
Tgt Ion:173 Resp: 1893
Ion Ratio Lower Upper
173 100
175 566.4 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

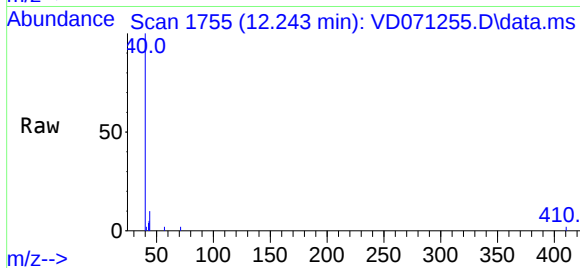
Tgt Ion:152 Resp: 216990
Ion Ratio Lower Upper
152 100
115 63.3 29.8 89.3
150 161.3 0.0 349.2



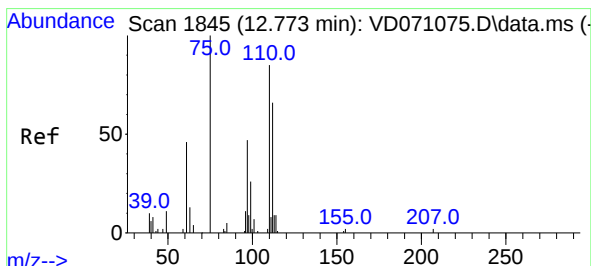
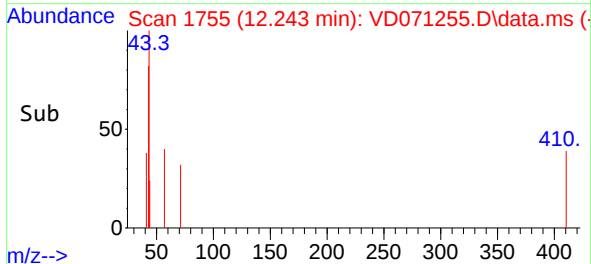
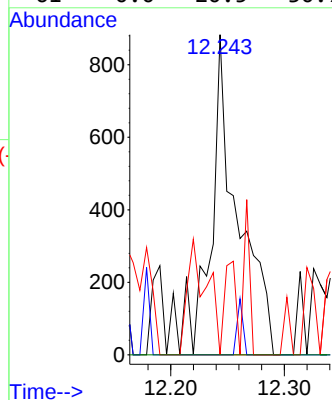


#74
N-amy1 acetate
Concen: 6.00 ug/l
RT: 12.243 min Scan# 11
Delta R.T. -0.036 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Instrument :
MSVOA_D
ClientSampleId :

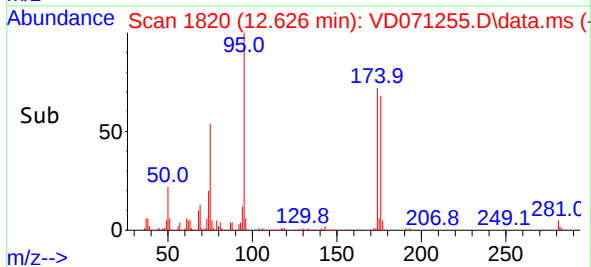
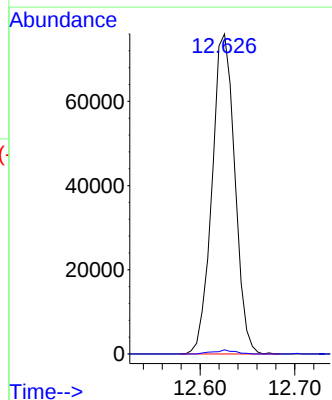
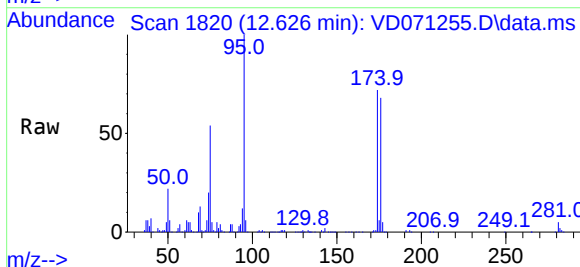


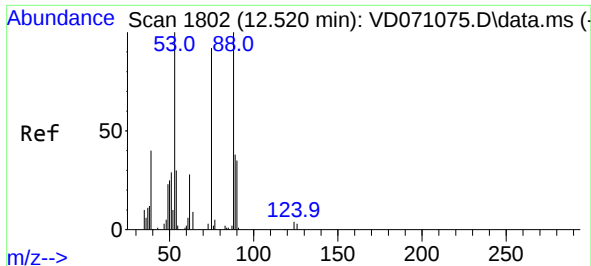
Tgt Ion: 43	Resp: 1453
Ion Ratio	Lower Upper
43 100	
70 3.8	36.6 55.0#
55 12.3	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 61.42 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

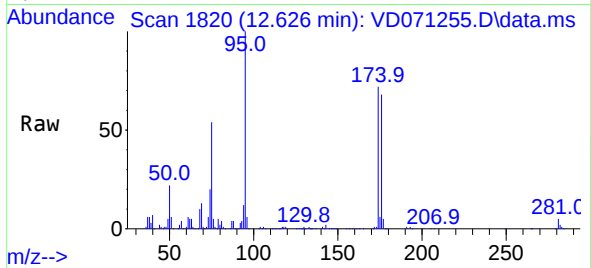
Tgt Ion: 75	Resp: 126988
Ion Ratio	Lower Upper
75 100	
77 1.2	158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 132.85 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071255.D
Acq: 10 Dec 2021 16:51

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 126988
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.3 34.5 51.7#

