

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071151.D
 Acq On : 04 Dec 2021 18:45
 Operator : VA/SY
 Sample : M4927-07
 Misc : 4.84G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 04:33:32 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)

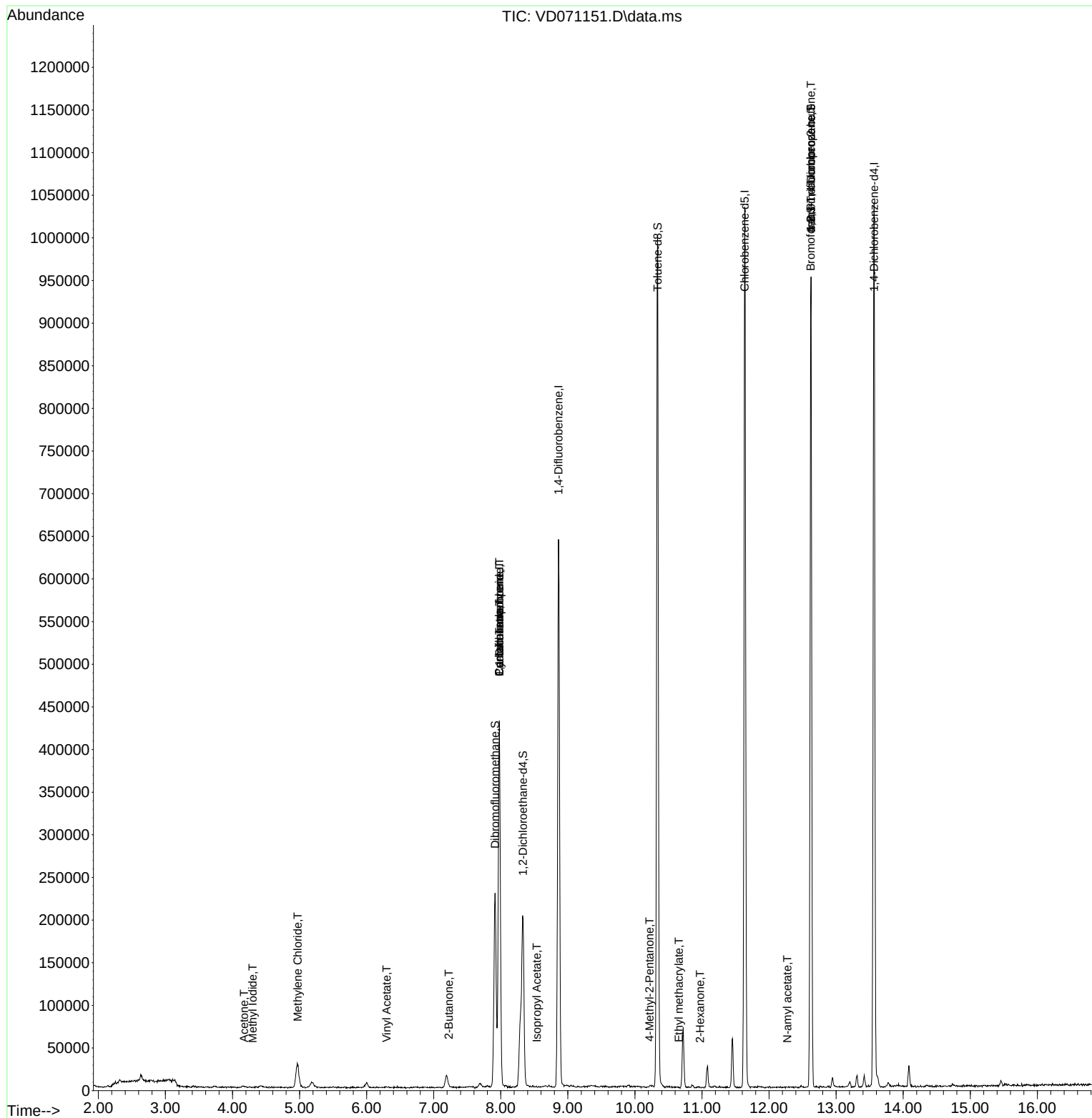
Internal Standards						
1) Pentafluorobenzene	7.979	168	286087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	510638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	535099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	257841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	154043	45.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.780%
35) Dibromofluoromethane	7.914	113	159392	49.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.040%
50) Toluene-d8	10.337	98	659028	53.258	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.520%
62) 4-Bromofluorobenzene	12.626	95	260409	60.710	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	121.420%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.302	142	149	4.601	ug/l #	90
11) Tert butyl alcohol	5.179	59	3063	Below Cal	#	71
16) Acetone	4.173	43	2801	33.551	ug/l	90
20) Methylene Chloride	4.973	84	18806	1.501	ug/l	95
23) Vinyl Acetate	6.296	43	62	27.228	ug/l #	72
25) 2-Butanone	7.226	43	219	28.548	ug/l #	45
31) Cyclohexane	7.979	56	8524	1.493	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	27642	5.792	ug/l #	50
38) Carbon Tetrachloride	7.979	117	32157	6.835	ug/l #	18
41) Methacrylonitrile	7.479	41	65	Below Cal	#	12
43) Isopropyl Acetate	8.537	43	151	5.253	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	759	30.938	ug/l #	70
56) Ethyl methacrylate	10.655	69	122	6.002	ug/l #	73
59) 2-Hexanone	10.973	43	127	34.636	ug/l	88
71) Bromoform	12.620	173	2171	1.156	ug/l #	1
74) N-amyl acetate	12.273	43	261	5.746	ug/l #	30
76) 1,2,3-Trichloropropane	12.626	75	147841	60.181	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	147841	130.279	ug/l #	18

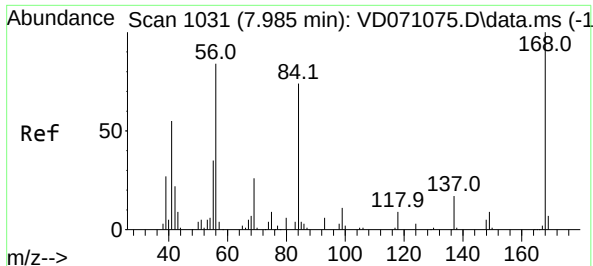
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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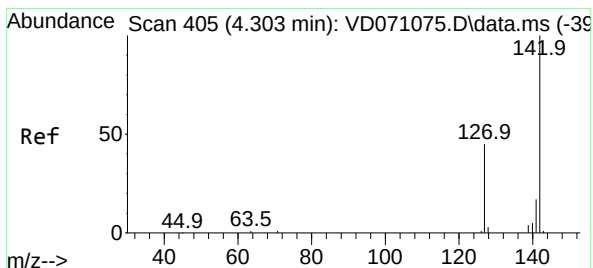
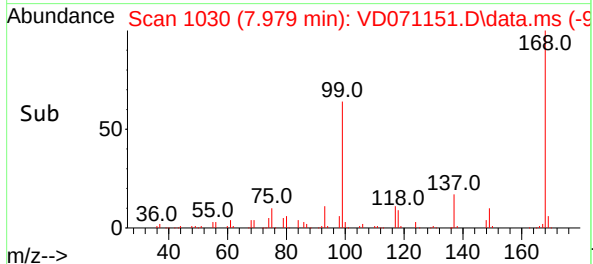
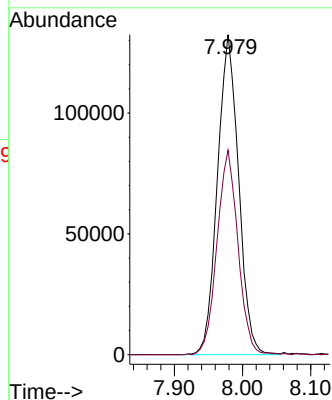
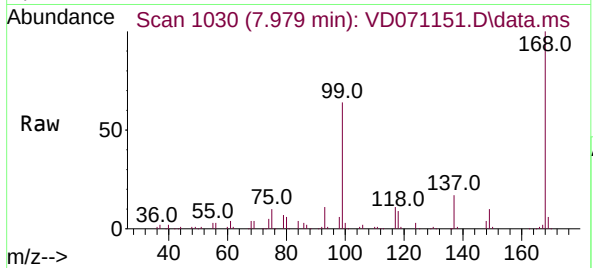




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

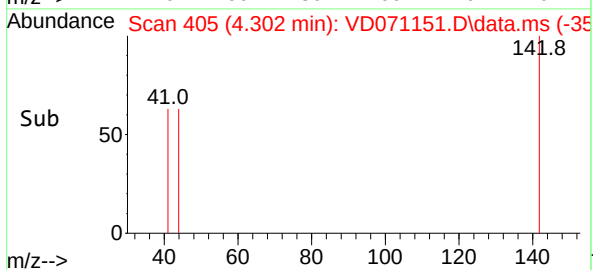
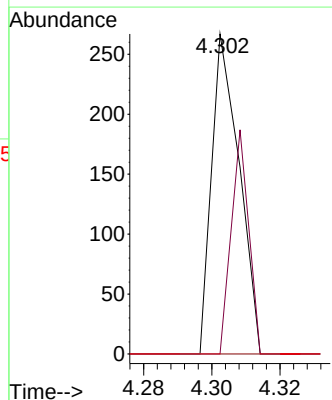
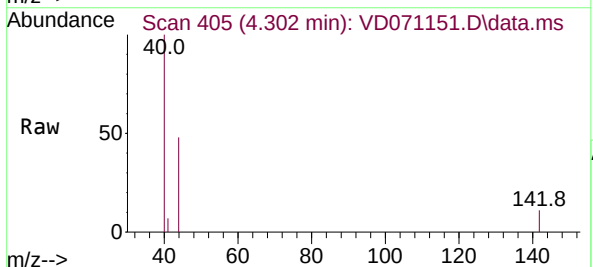
Instrument :
MSVOA_D
ClientSampleId :

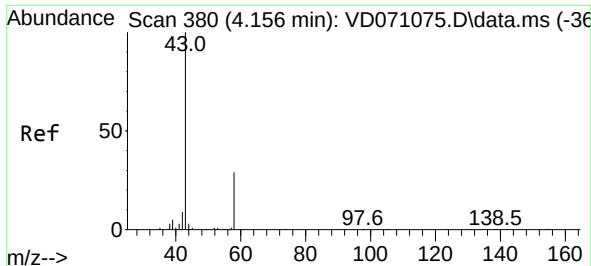
Tgt Ion:168 Resp: 286087
Ion Ratio Lower Upper
168 100
99 63.9 46.6 69.8



#10
Methyl Iodide
Concen: 4.601 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

Tgt Ion:142 Resp: 149
Ion Ratio Lower Upper
142 100
127 44.3 35.0 52.4
141 0.0 12.0 18.0#

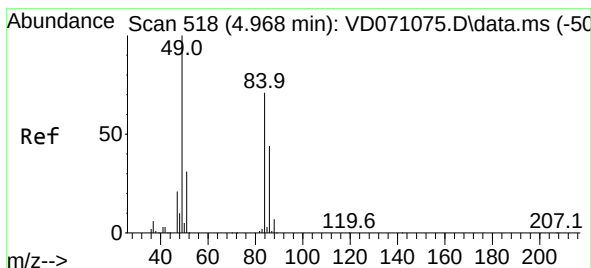
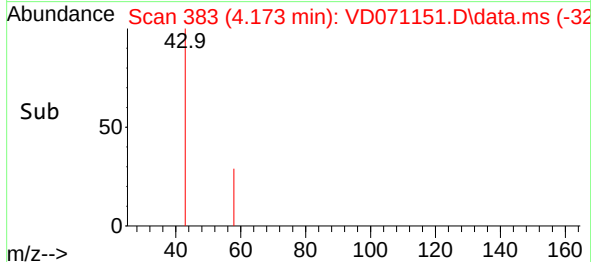
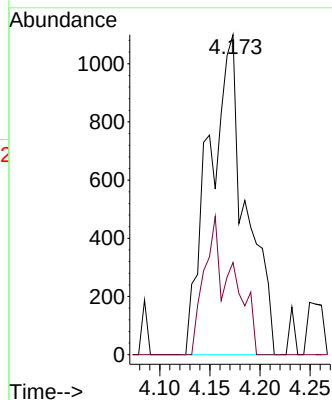
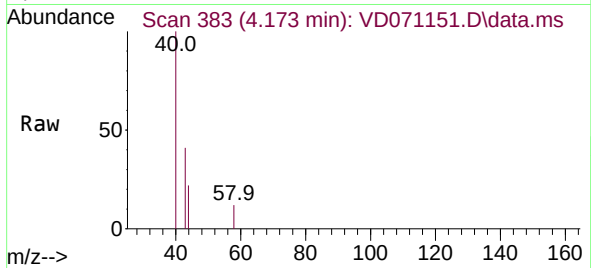




#16
Acetone
Concen: 33.551 ug/l
RT: 4.173 min Scan# 380
Delta R.T. 0.017 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

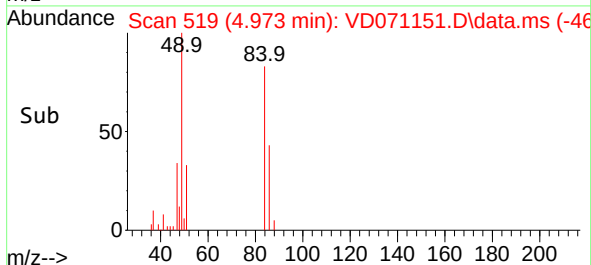
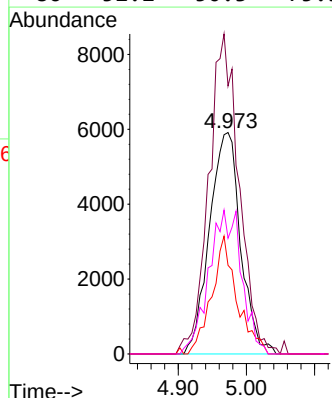
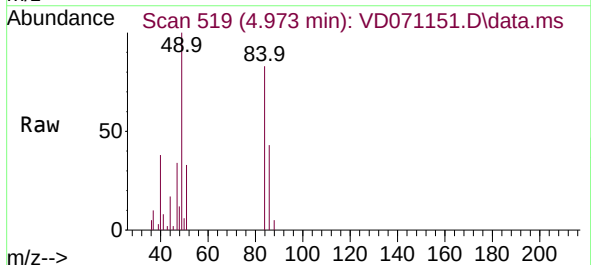
Instrument :
MSVOA_D
ClientSampleId :

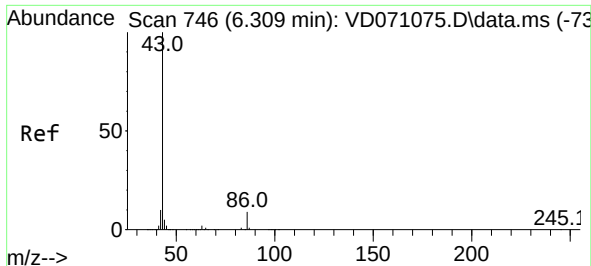
Tgt Ion: 43 Resp: 2801
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8



#20
Methylene Chloride
Concen: 1.501 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

Tgt Ion: 84 Resp: 18806
Ion Ratio Lower Upper
84 100
49 121.1 95.8 143.6
51 40.1 30.9 46.3
86 52.2 50.3 75.5

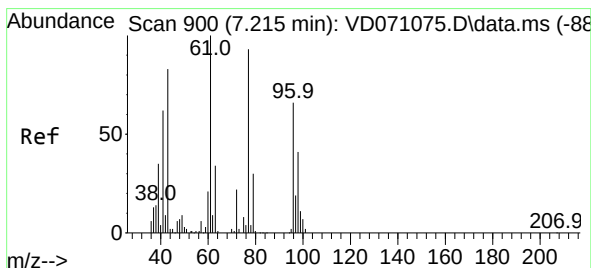
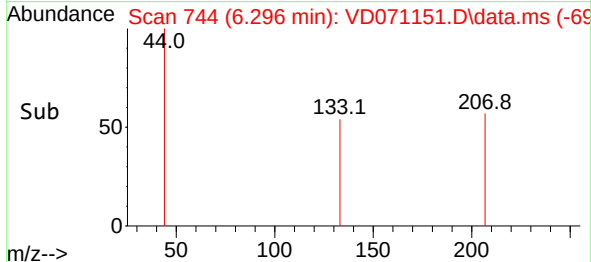
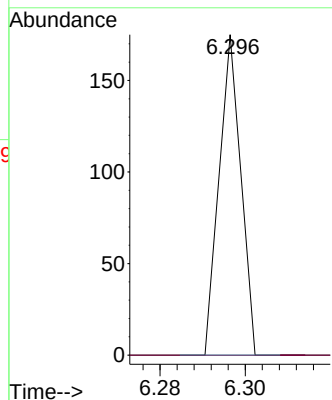
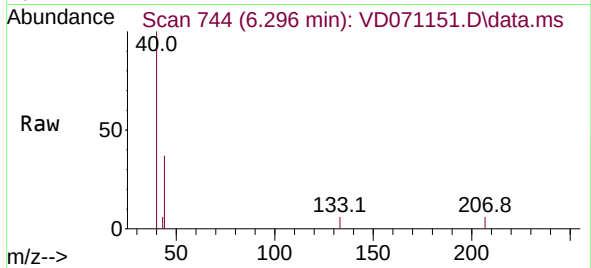




#23
 Vinyl Acetate
 Concen: 27.228 ug/l
 RT: 6.296 min Scan# 744
 Delta R.T. -0.013 min
 Lab File: VD071151.D
 Acq: 04 Dec 2021 18:45

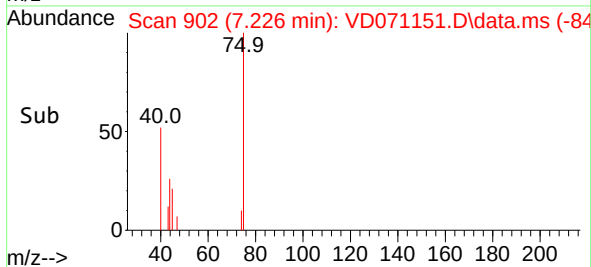
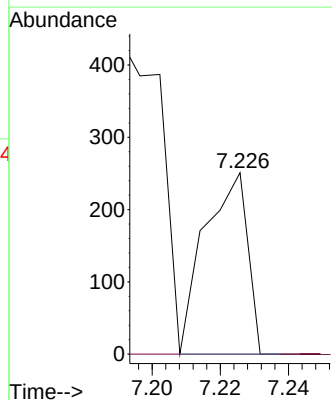
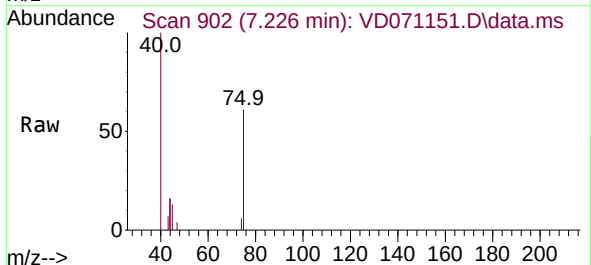
Instrument :
 MSVOA_D
 ClientSampleId :

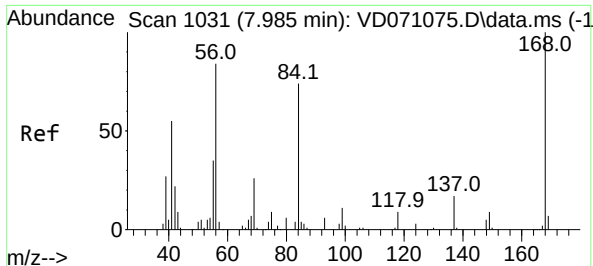
Tgt Ion: 43 Resp: 62
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.548 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.011 min
 Lab File: VD071151.D
 Acq: 04 Dec 2021 18:45

Tgt Ion: 43 Resp: 219
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.493 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071151.D

Acq: 04 Dec 2021 18:45

Instrument :

MSVOA_D

ClientSampleId :

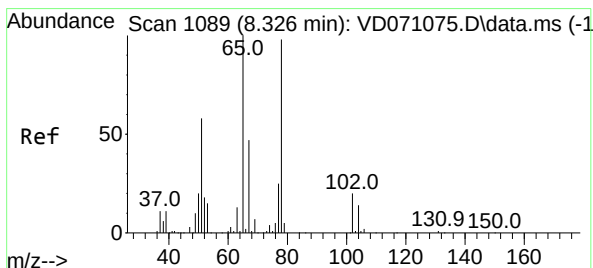
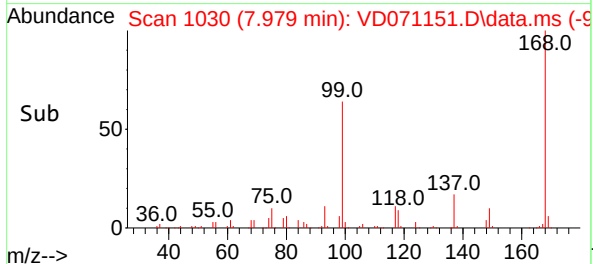
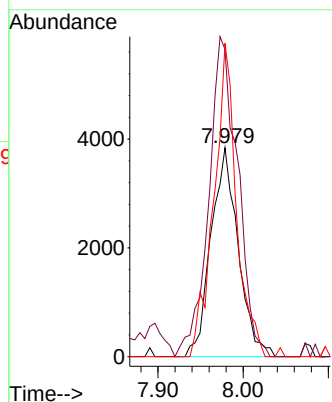
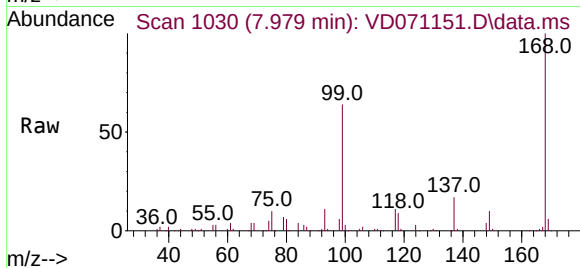
Tgt Ion: 56 Resp: 8524

Ion Ratio Lower Upper

56 100

69 147.1 25.9 38.9#

84 150.1 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 45.888 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071151.D

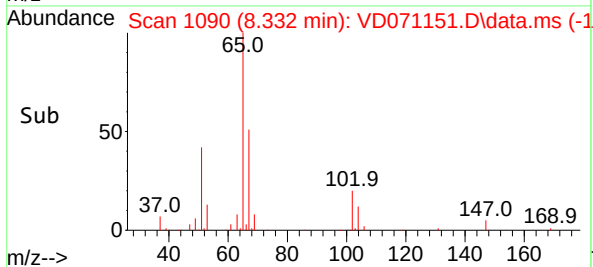
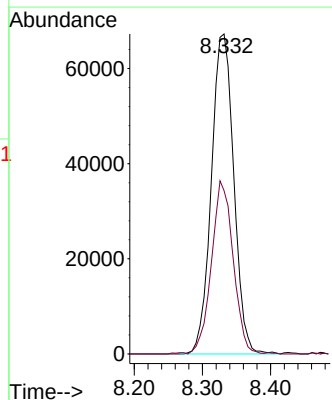
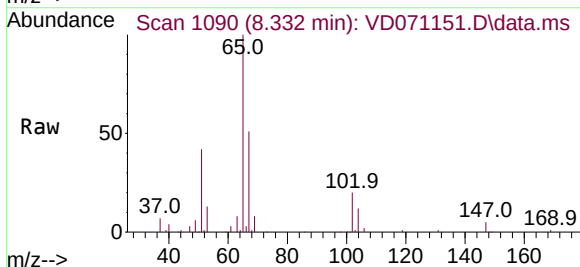
Acq: 04 Dec 2021 18:45

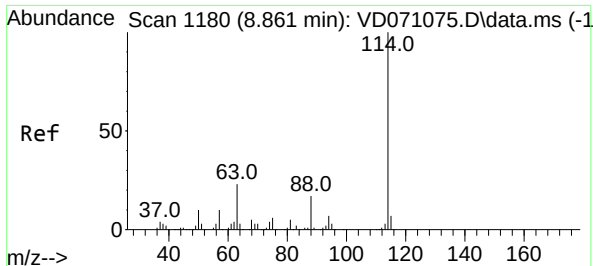
Tgt Ion: 65 Resp: 154043

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

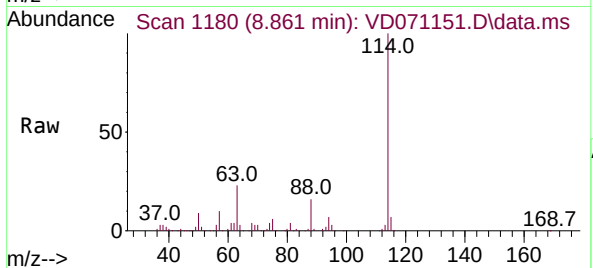
Lab File: VD071151.D

Acq: 04 Dec 2021 18:45

Instrument :

MSVOA_D

ClientSampleId :



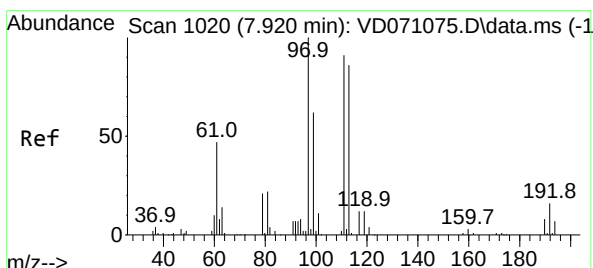
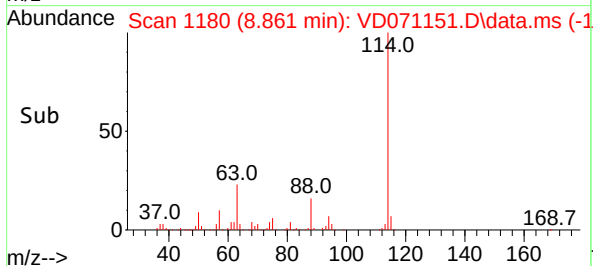
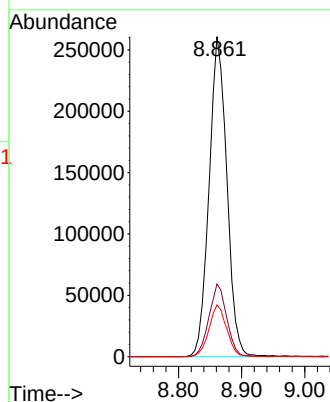
Tgt Ion:114 Resp: 510638

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.018 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071151.D

Acq: 04 Dec 2021 18:45

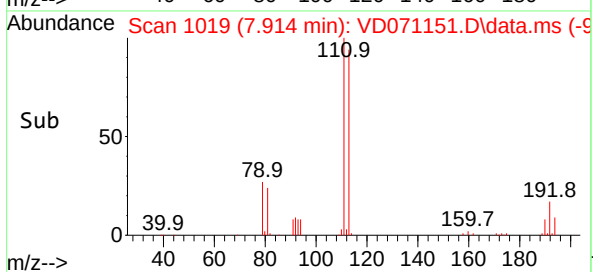
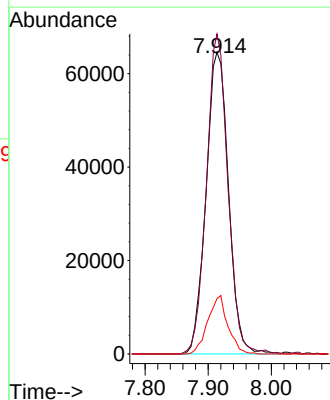
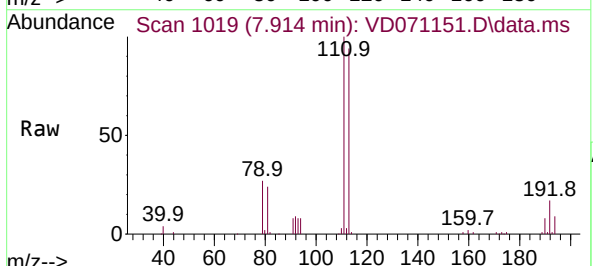
Tgt Ion:113 Resp: 159392

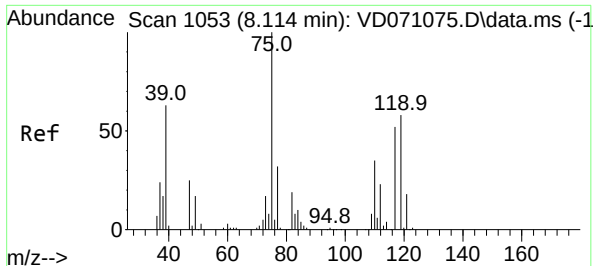
Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

192 17.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.792 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

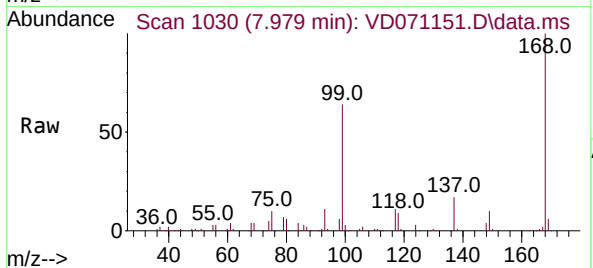
Lab File: VD071151.D

Acq: 04 Dec 2021 18:45

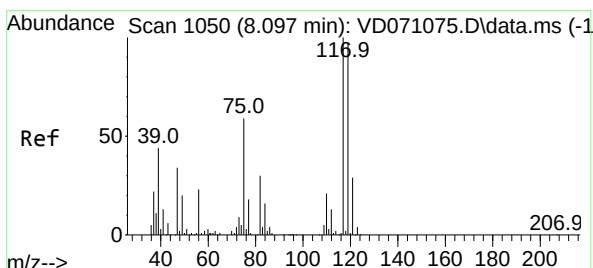
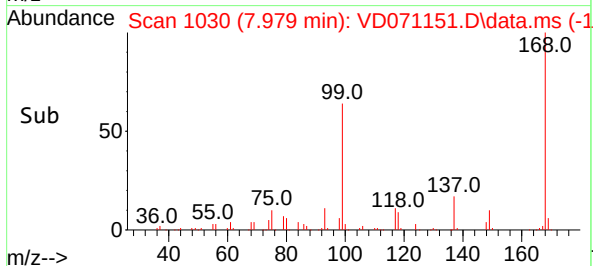
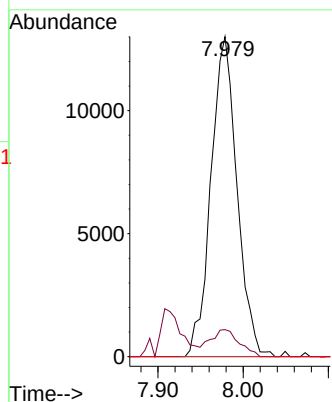
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 27642
Ion Ratio	Lower Upper
75	100
110	9.4 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.835 ug/l

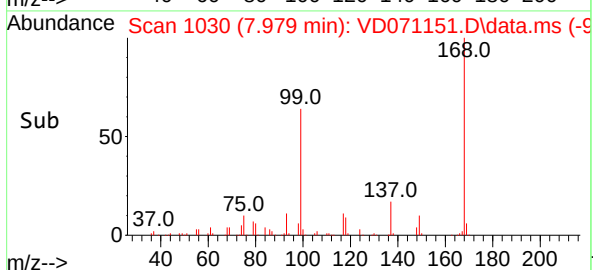
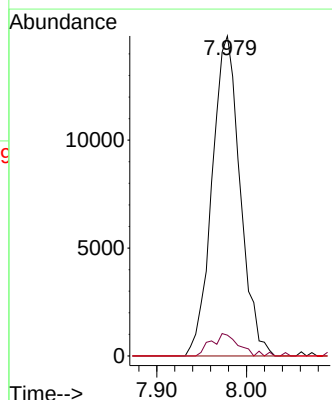
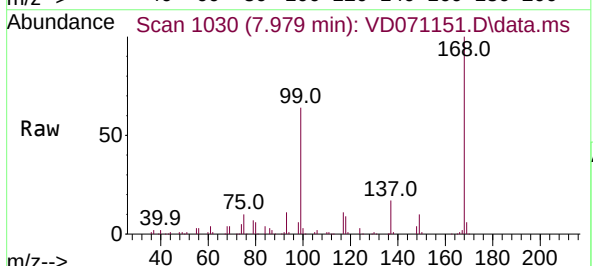
RT: 7.979 min Scan# 1030

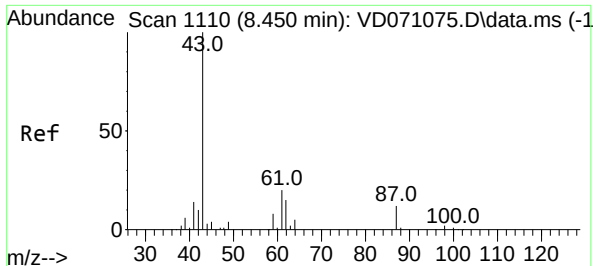
Delta R.T. -0.118 min

Lab File: VD071151.D

Acq: 04 Dec 2021 18:45

Tgt Ion: 117	Resp: 32157
Ion Ratio	Lower Upper
117	100
119	6.5 75.8 113.6#
121	0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.253 ug/l

RT: 8.537 min Scan# 1110

Delta R.T. 0.087 min

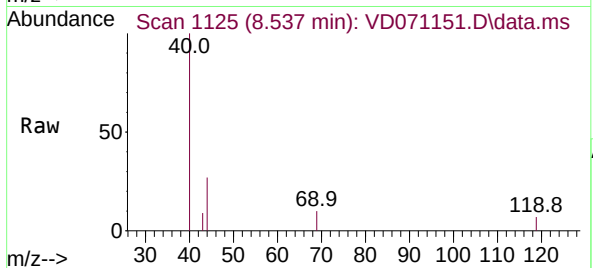
Lab File: VD071151.D

Acq: 04 Dec 2021 18:45

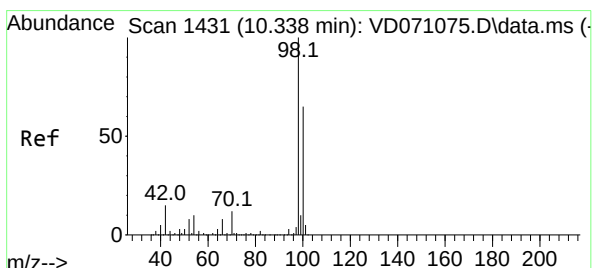
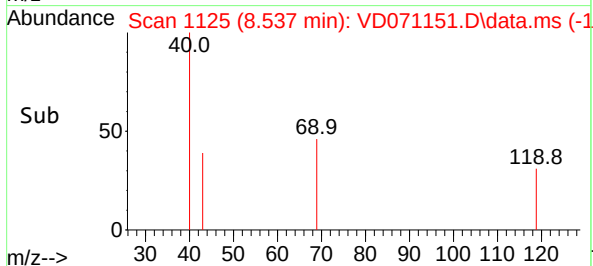
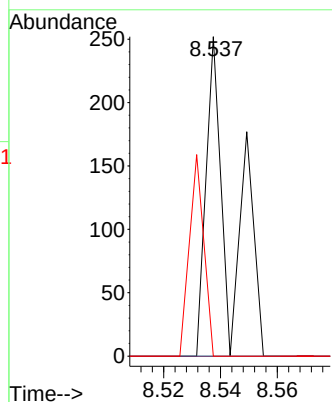
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 151
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.258 ug/l

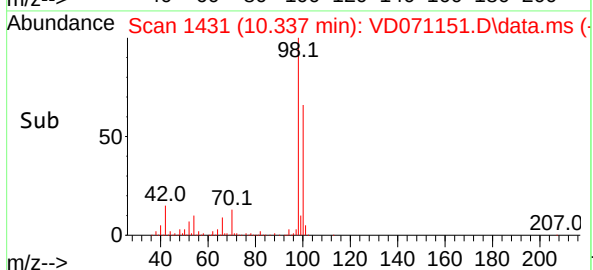
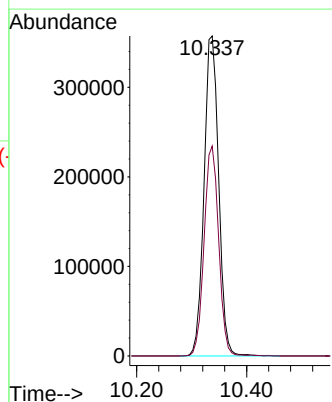
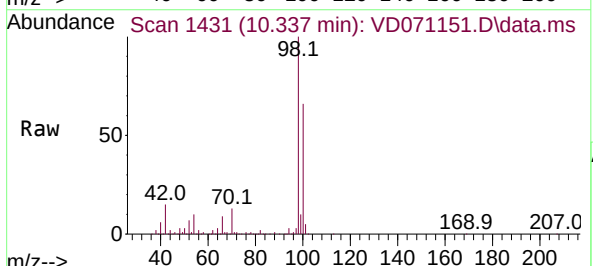
RT: 10.337 min Scan# 1431

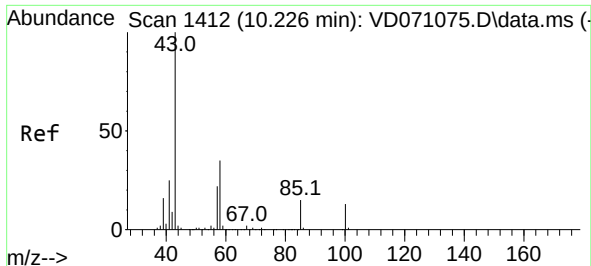
Delta R.T. -0.001 min

Lab File: VD071151.D

Acq: 04 Dec 2021 18:45

Tgt Ion: 98	Resp: 659028
Ion Ratio	Lower Upper
98	100
100	65.3 51.8 77.6

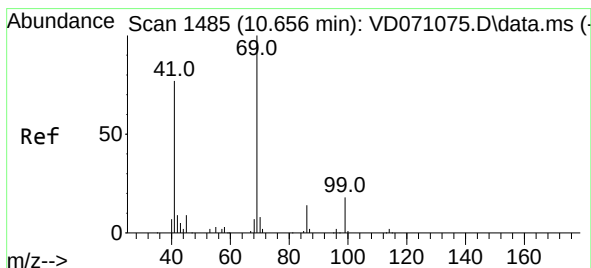
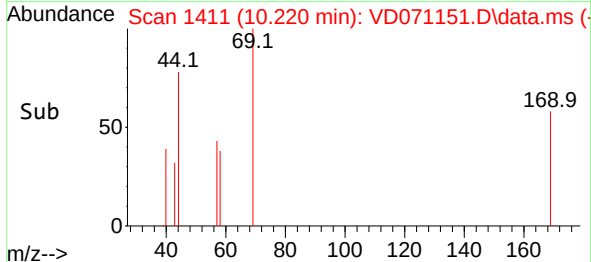
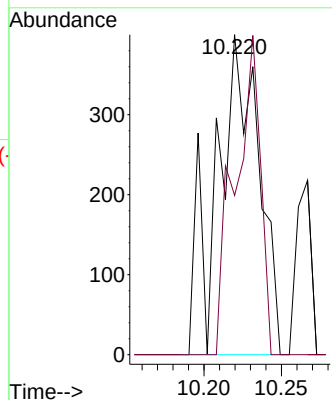
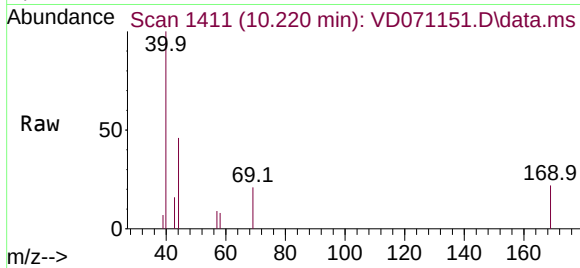




#51
4-Methyl-2-Pentanone
Concen: 30.938 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

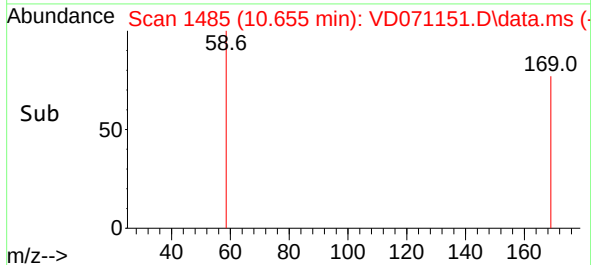
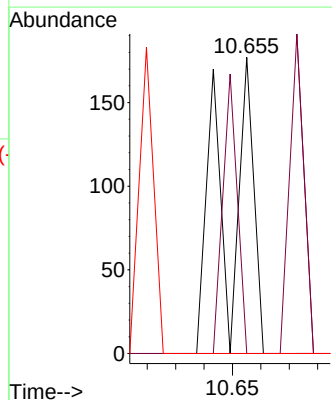
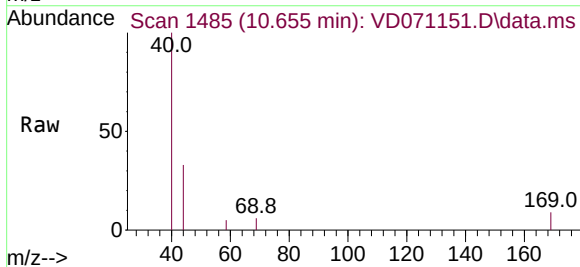
Instrument :
MSVOA_D
ClientSampleId :

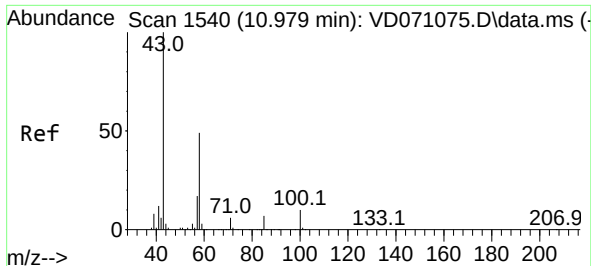
Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
58 60.1 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.002 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

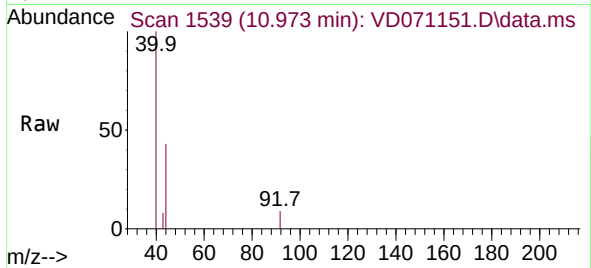
Tgt Ion: 69 Resp: 122
Ion Ratio Lower Upper
69 100
41 48.4 50.2 75.2#
39 0.0 19.8 29.8#



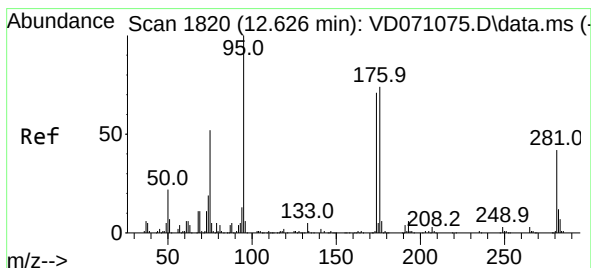
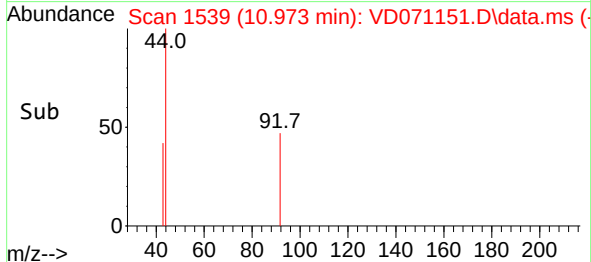
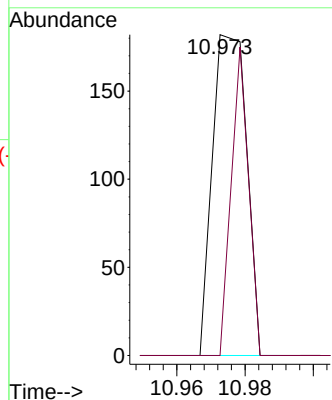


#59
2-Hexanone
Concen: 34.636 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

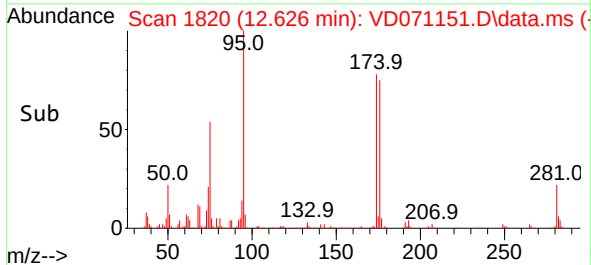
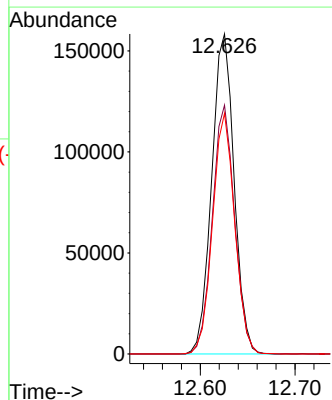
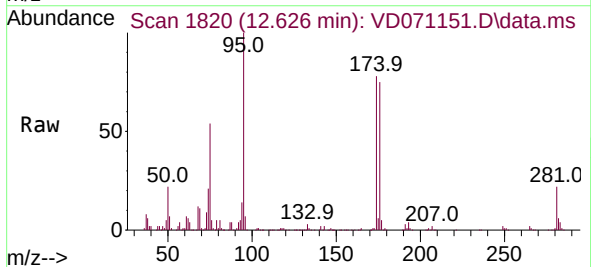


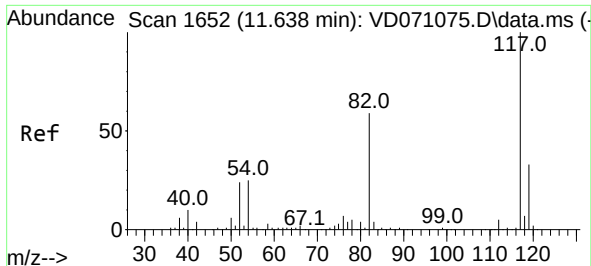
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
58 48.8 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 60.710 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

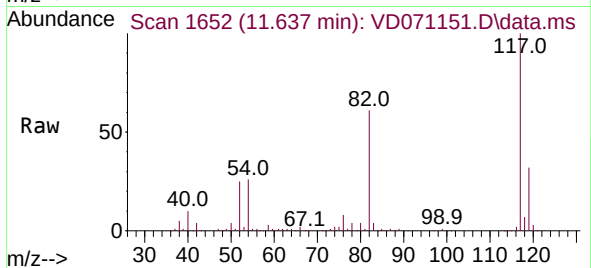
Tgt Ion: 95 Resp: 260409
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.4
176 74.3 0.0 154.0



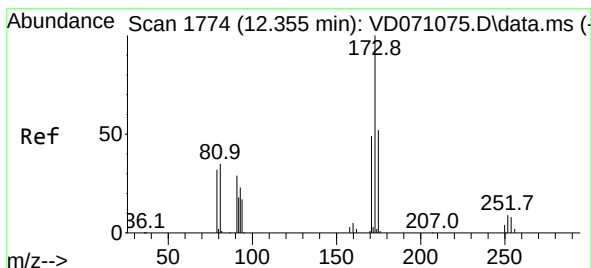
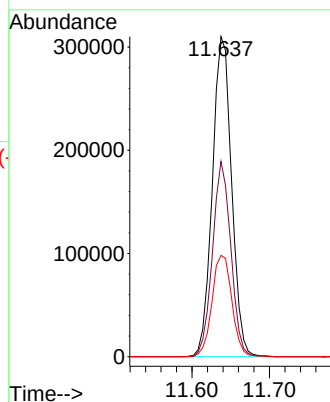
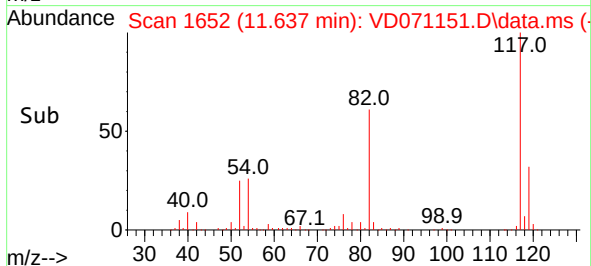


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

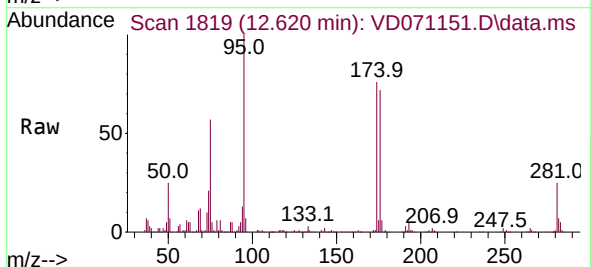
Instrument :
MSVOA_D
ClientSampleId :



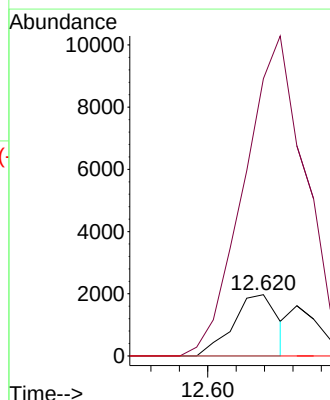
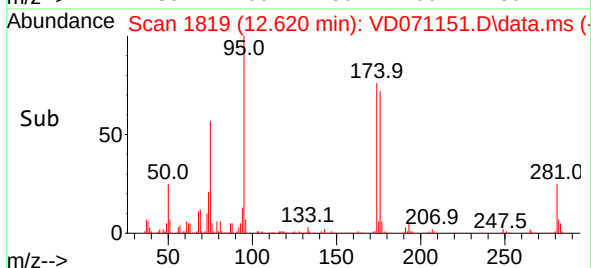
Tgt Ion:117 Resp: 535099
Ion Ratio Lower Upper
117 100
82 61.0 44.7 67.1
119 31.6 26.2 39.4

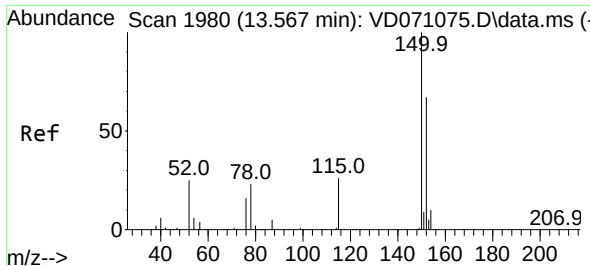


#71
Bromoform
Concen: 1.156 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45



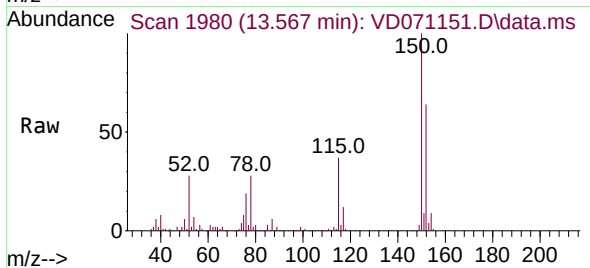
Tgt Ion:173 Resp: 2171
Ion Ratio Lower Upper
173 100
175 598.9 24.1 72.2#
254 0.0 0.1 0.1#



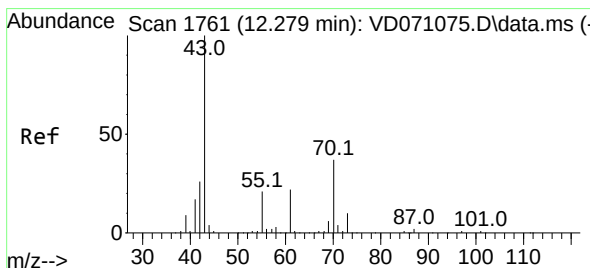
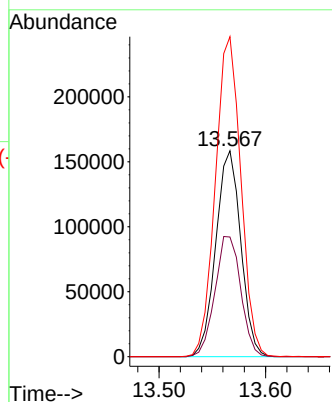
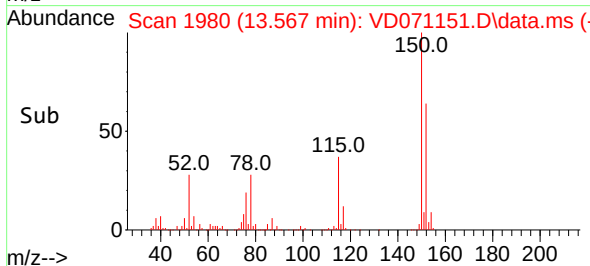


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

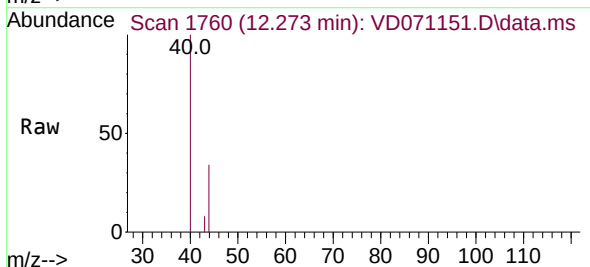
Instrument :
MSVOA_D
ClientSampleId :



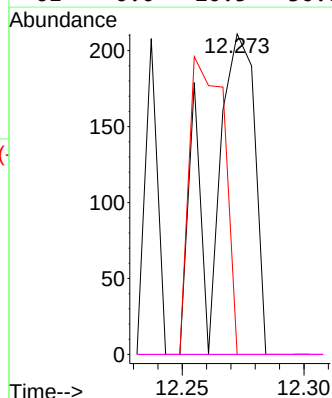
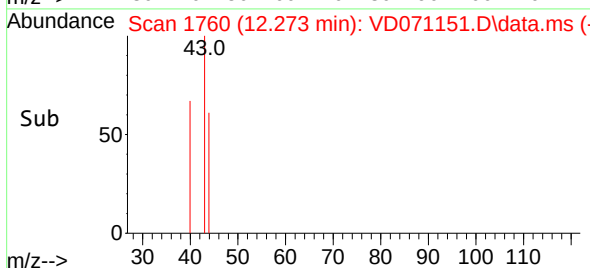
Tgt Ion:152 Resp: 257841
Ion Ratio Lower Upper
152 100
115 60.4 29.8 89.3
150 158.7 0.0 349.2

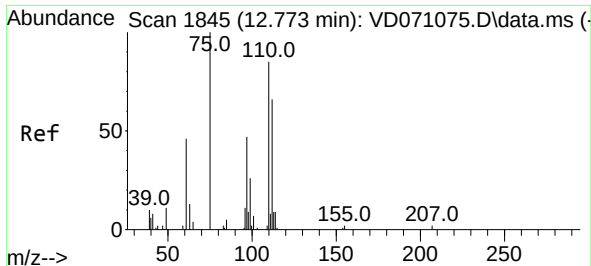


#74
N-ethyl acetate
Concen: 5.746 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45



Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 74.3 22.5 33.7#
61 0.0 20.5 30.7#

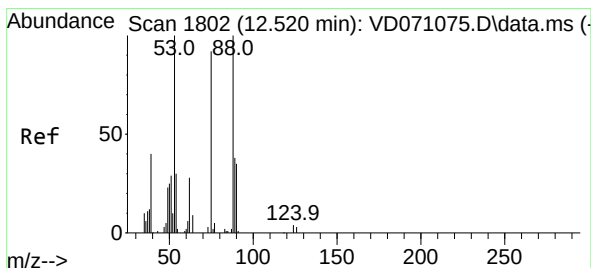
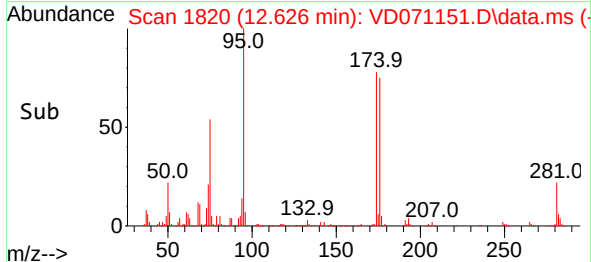
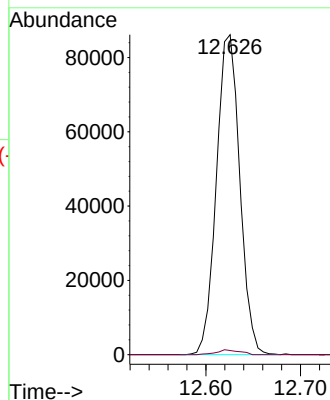
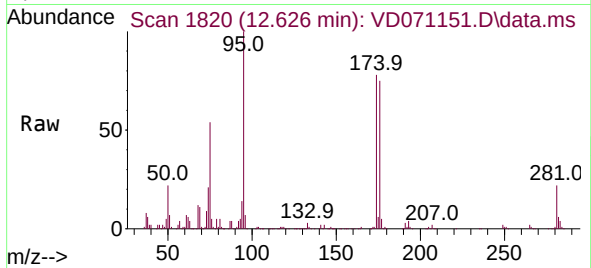




#76
1,2,3-Trichloropropane
Concen: 60.181 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 147841
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.279 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071151.D
Acq: 04 Dec 2021 18:45

Tgt Ion: 75 Resp: 147841
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.5 34.5 51.7#

