

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071233.D
 Acq On : 09 Dec 2021 17:30
 Operator : VA/SY
 Sample : M4989-03
 Misc : 5.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:46:33 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)

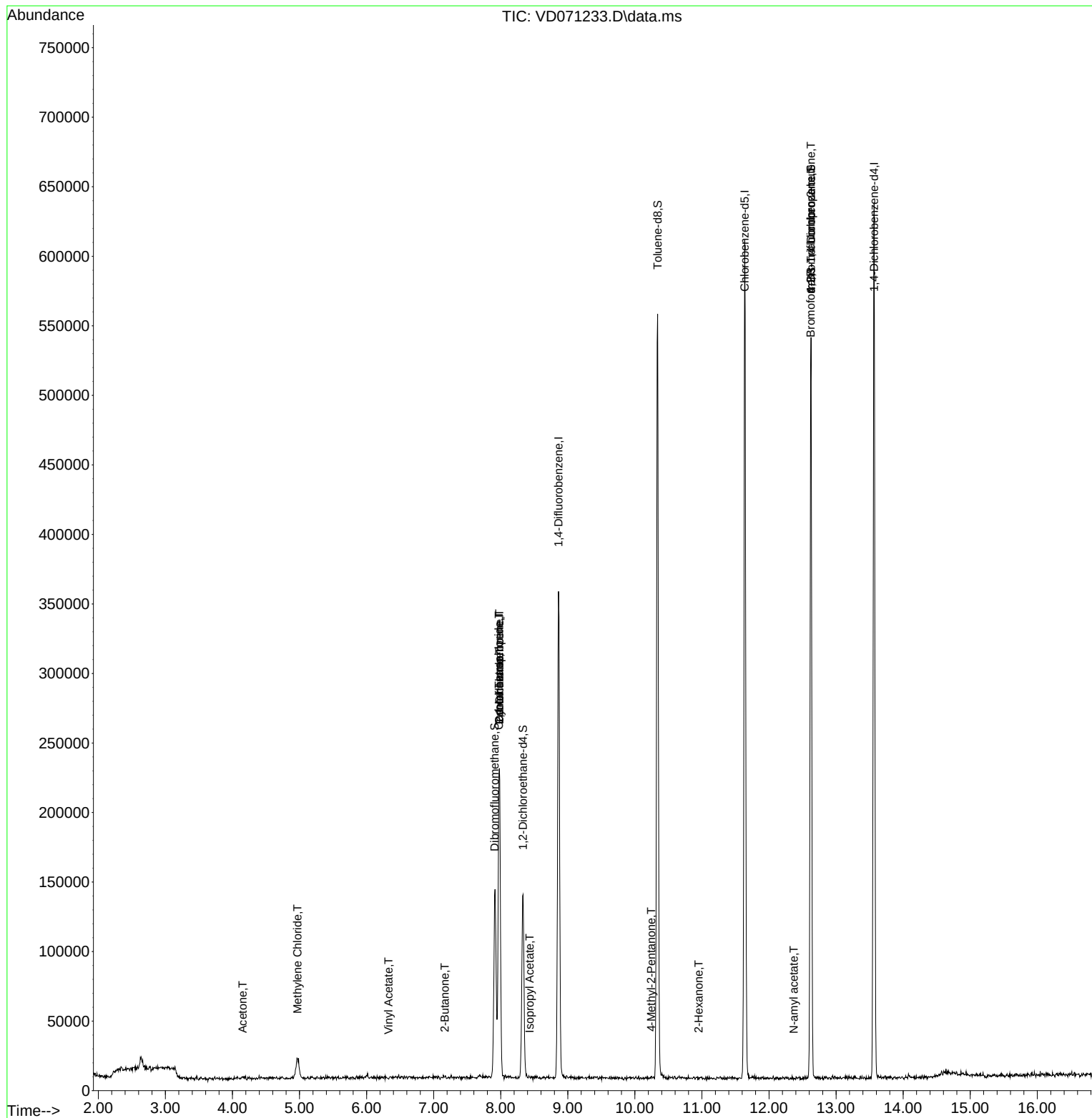
Internal Standards						
1) Pentafluorobenzene	7.979	168	161468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	283878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	316497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	157080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	104338	55.070	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.140%	
35) Dibromofluoromethane	7.909	113	94370	52.204	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.400%	
50) Toluene-d8	10.338	98	367772	53.461	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.920%	
62) 4-Bromofluorobenzene	12.626	95	154208	64.668	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 129.340%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.238	59	122	Below Cal	#	71
16) Acetone	4.150	43	2006	34.292	ug/l #	40
20) Methylene Chloride	4.968	84	11079	1.766	ug/l	94
23) Vinyl Acetate	6.326	43	94	27.245	ug/l #	72
25) 2-Butanone	7.167	43	79	28.480	ug/l #	45
31) Cyclohexane	7.979	56	4146	1.286	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	14859	5.600	ug/l #	49
38) Carbon Tetrachloride	7.973	117	16890	6.458	ug/l #	18
41) Methacrylonitrile	7.544	41	140	Below Cal	#	12
43) Isopropyl Acetate	8.432	43	113	5.263	ug/l #	47
51) 4-Methyl-2-Pentanone	10.244	43	90	30.713	ug/l #	34
59) 2-Hexanone	10.950	43	76	34.641	ug/l #	22
71) Bromoform	12.620	173	1437	1.294	ug/l #	1
74) N-amyl acetate	12.367	43	55	5.717	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	88192	58.929	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	88192	127.688	ug/l #	18

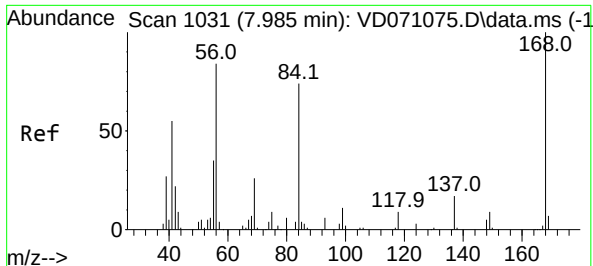
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
Data File : VD071233.D
Acq On : 09 Dec 2021 17:30
Operator : VA/SY
Sample : M4989-03
Misc : 5.97G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :

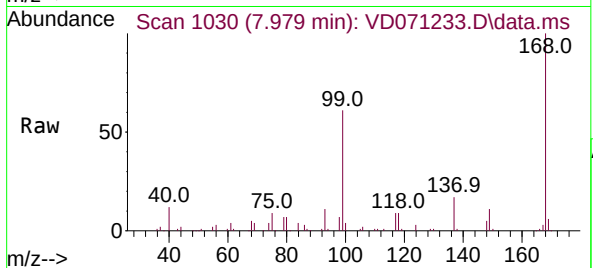
Quant Time: Dec 10 06:46:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



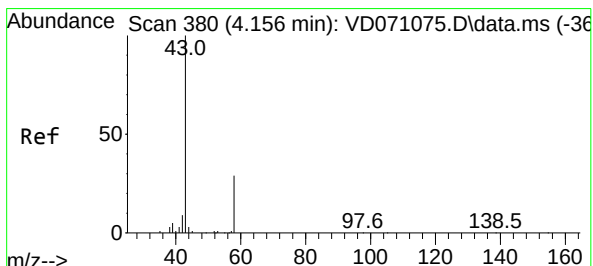
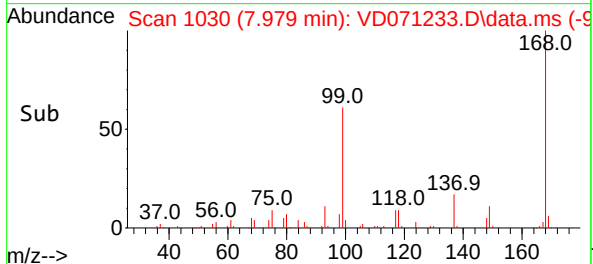
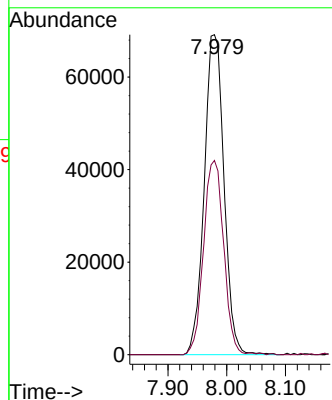


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

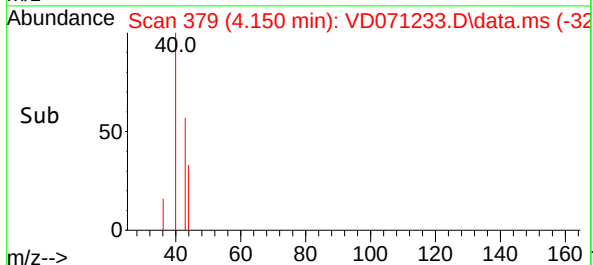
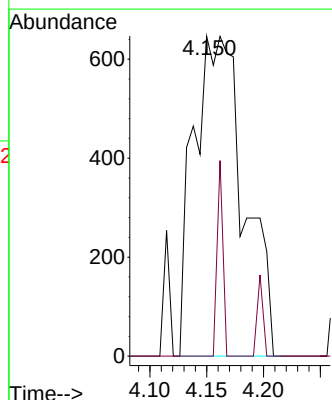
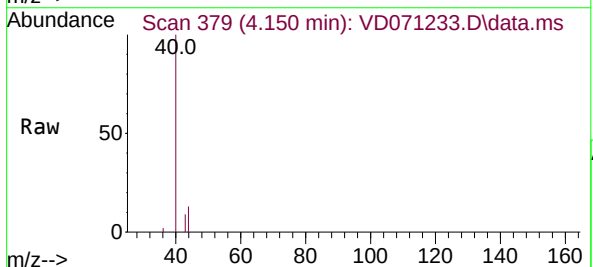


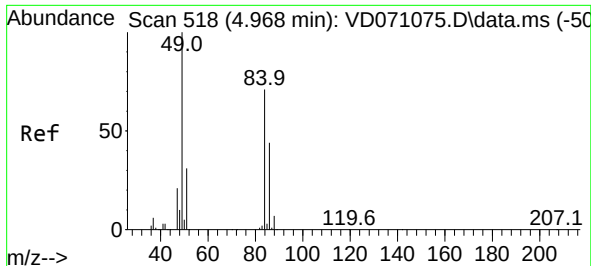
Tgt Ion:168 Resp: 161468
Ion Ratio Lower Upper
168 100
99 60.7 46.6 69.8



#16
Acetone
Concen: 34.292 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

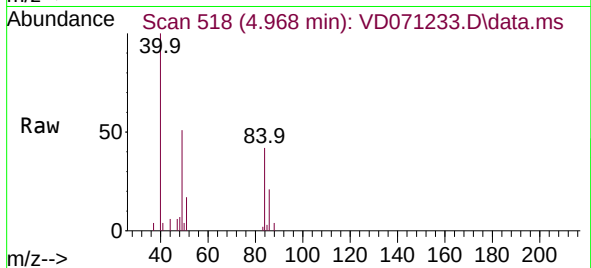
Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#





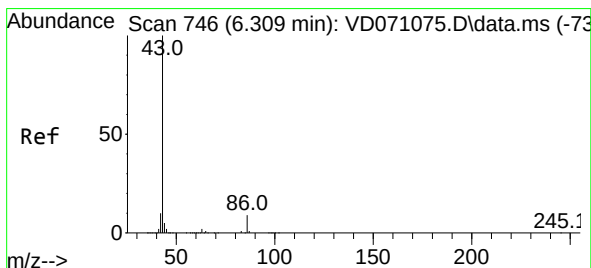
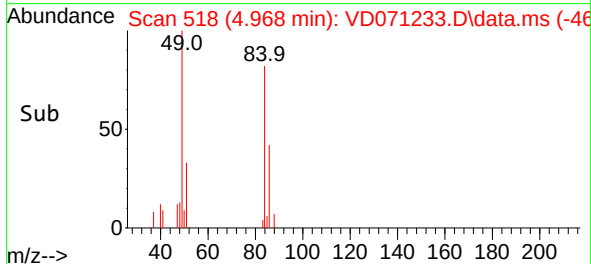
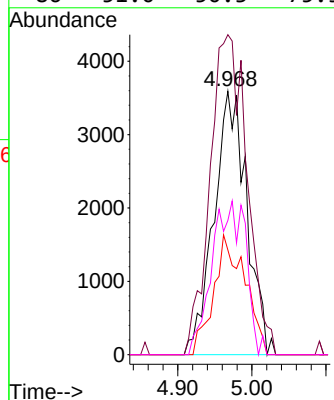
#20
Methylene Chloride
Concen: 1.766 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 11079

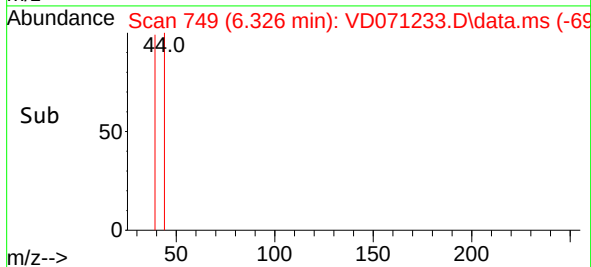
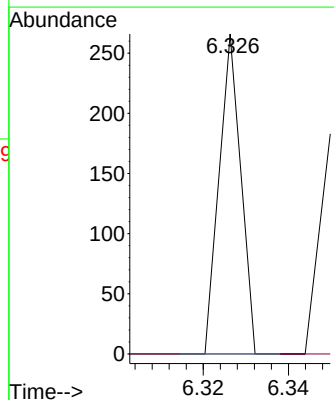
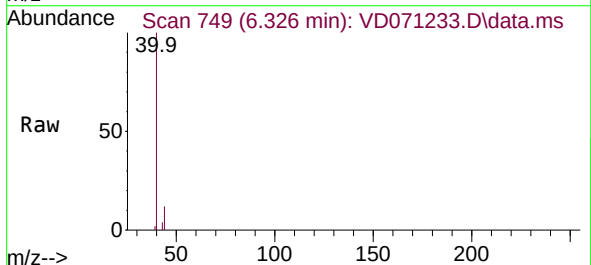
Ion	Ratio	Lower	Upper
84	100		
49	121.5	95.8	143.6
51	39.7	30.9	46.3
86	51.0	50.3	75.5

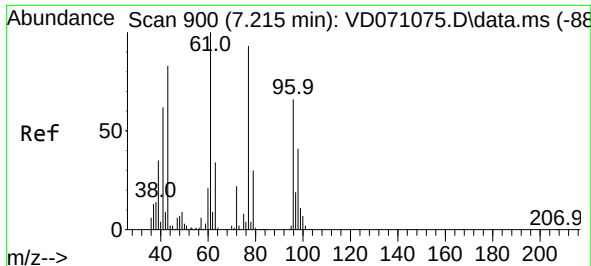


#23
Vinyl Acetate
Concen: 27.245 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.017 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Tgt Ion: 43 Resp: 94

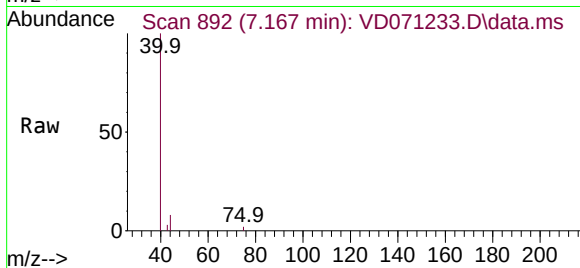
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



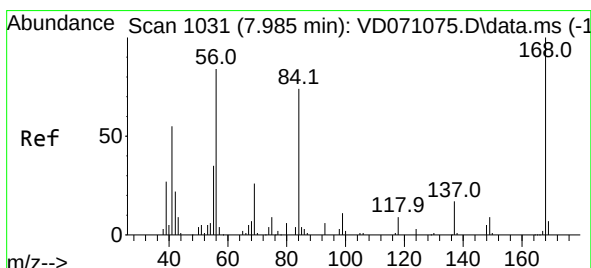
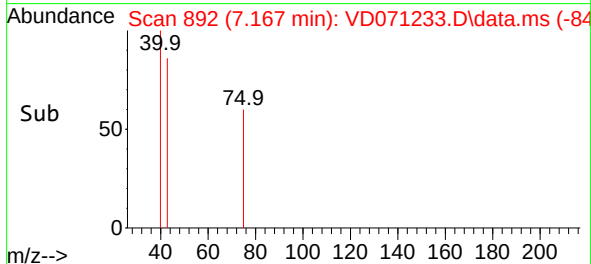
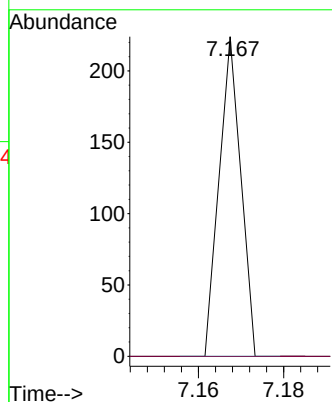


#25
2-Butanone
Concen: 28.480 ug/l
RT: 7.167 min Scan# 89
Delta R.T. -0.048 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

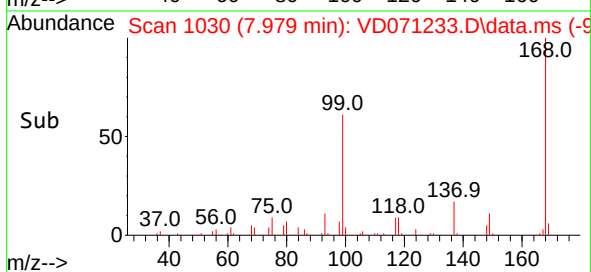
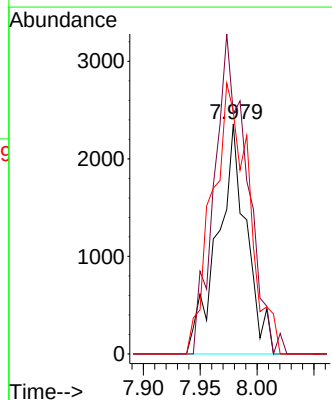
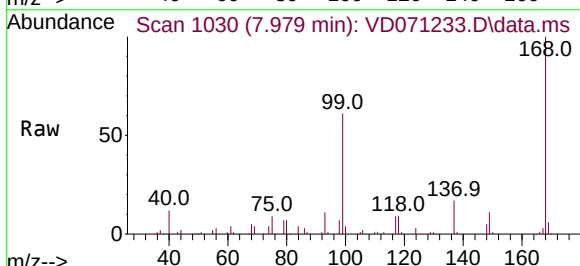


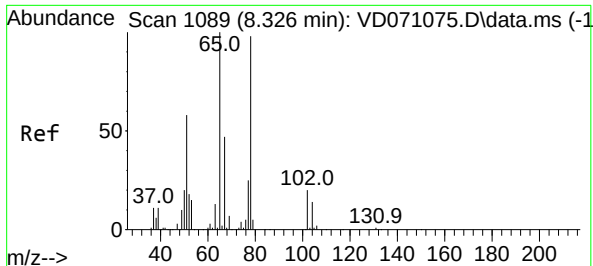
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Tgt Ion: 56 Resp: 4146
Ion Ratio Lower Upper
56 100
69 104.5 25.9 38.9#
84 105.3 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 55.070 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071233.D

Acq: 09 Dec 2021 17:30

Instrument :

MSVOA_D

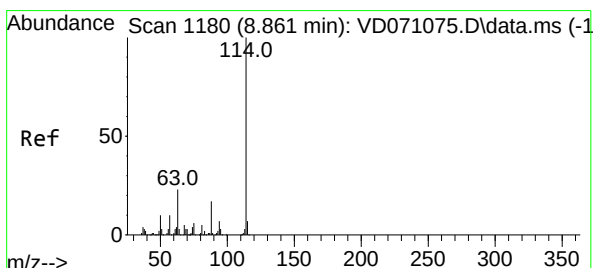
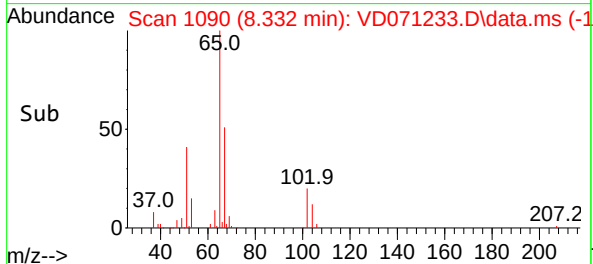
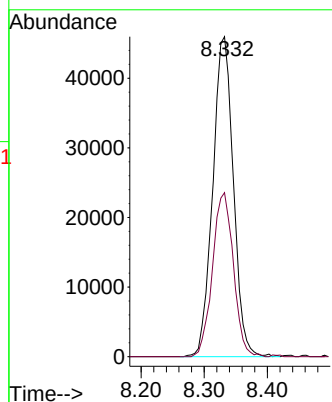
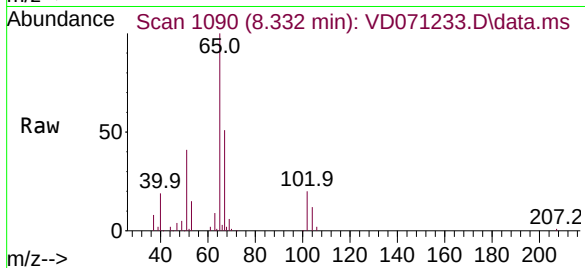
ClientSampleId :

Tgt Ion: 65 Resp: 104338

Ion Ratio Lower Upper

65 100

67 51.9 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: VD071233.D

Acq: 09 Dec 2021 17:30

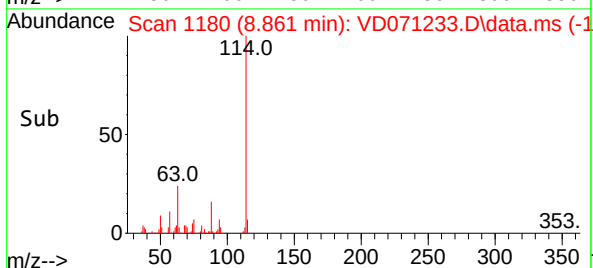
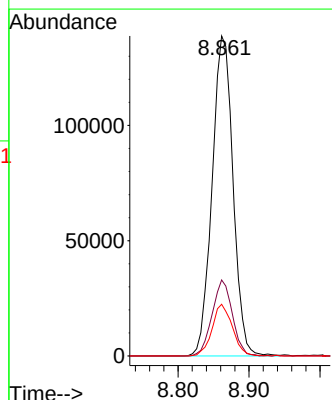
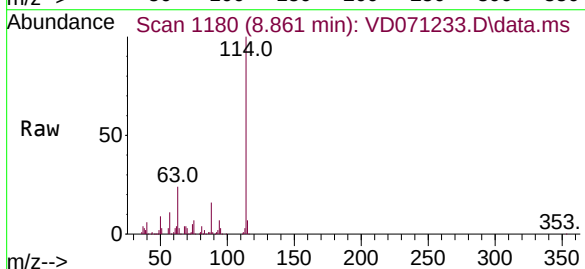
Tgt Ion:114 Resp: 283878

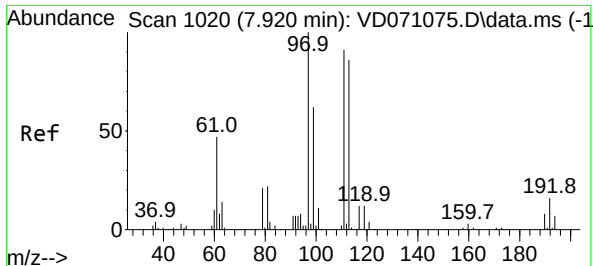
Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.8

88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.204 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071233.D

Acq: 09 Dec 2021 17:30

Instrument :

MSVOA_D

ClientSampleId :

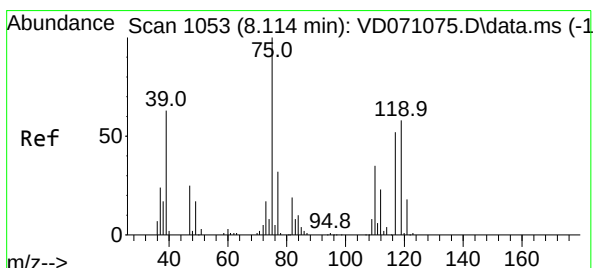
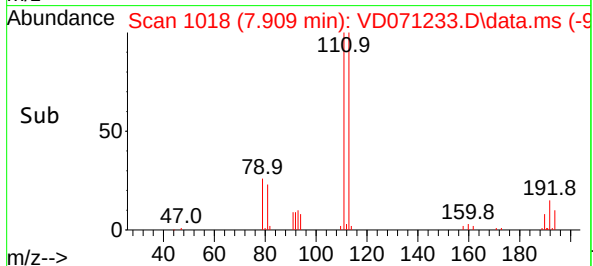
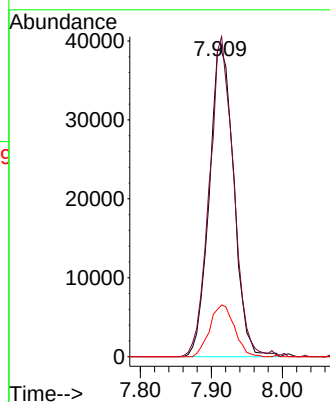
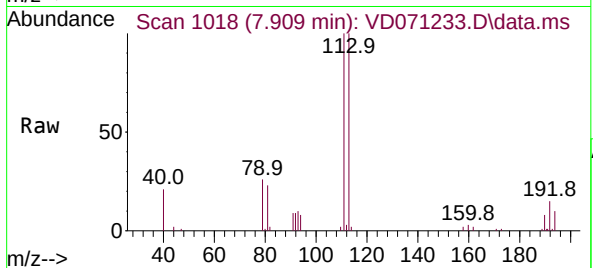
Tgt Ion:113 Resp: 94370

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 16.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.600 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071233.D

Acq: 09 Dec 2021 17:30

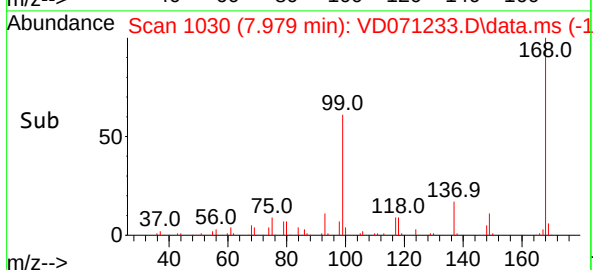
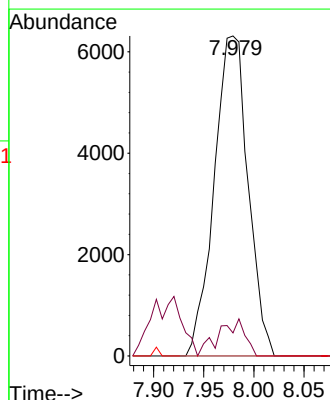
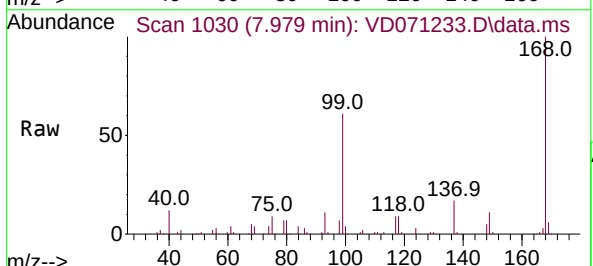
Tgt Ion: 75 Resp: 14859

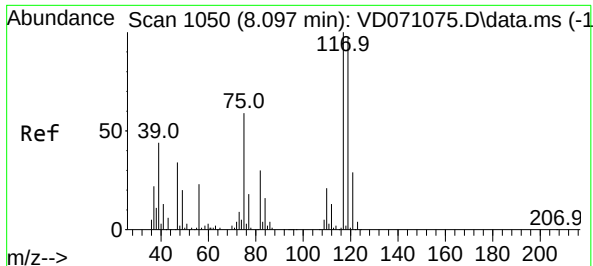
Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.4#

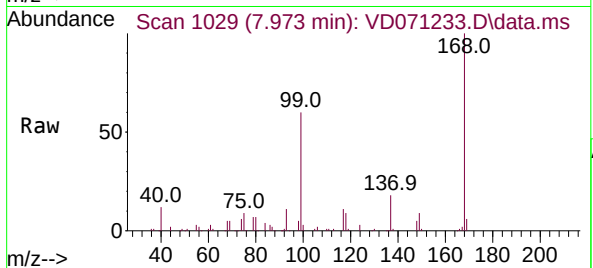
77 0.0 24.8 37.2#



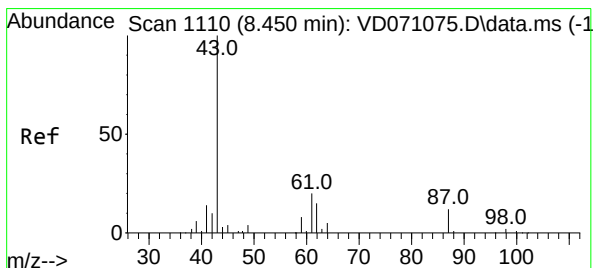
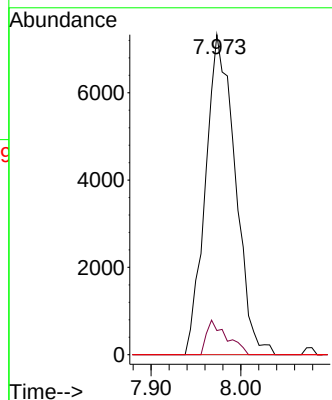
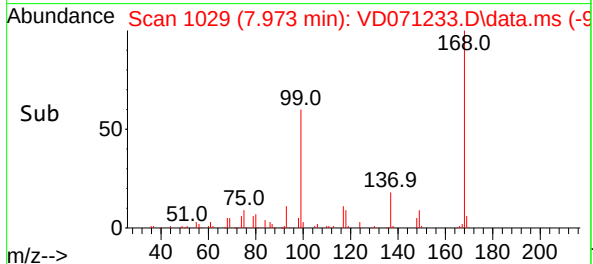


#38
Carbon Tetrachloride
Concen: 6.458 ug/l
RT: 7.973 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

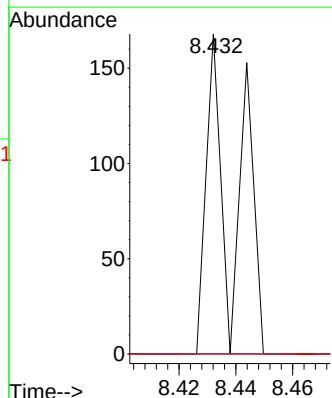
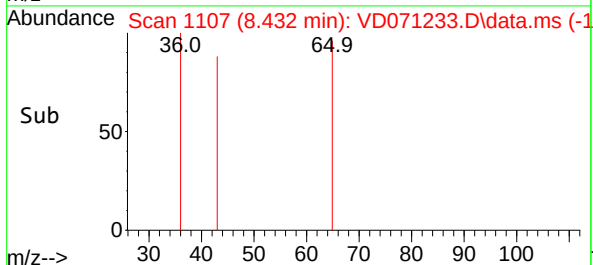
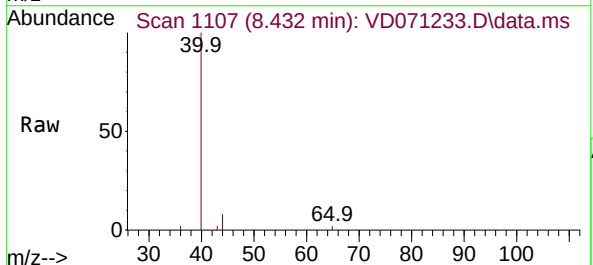


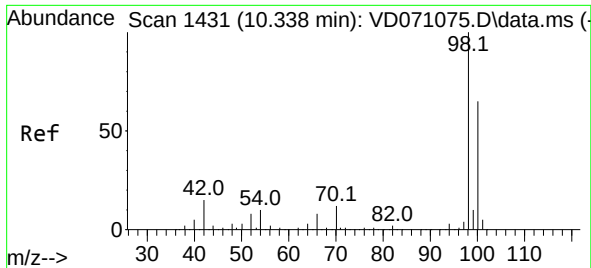
Tgt Ion:117 Resp: 16890
Ion Ratio Lower Upper
117 100
119 7.5 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.263 ug/l
RT: 8.432 min Scan# 1107
Delta R.T. -0.018 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

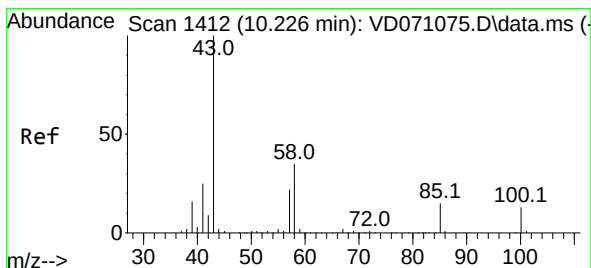
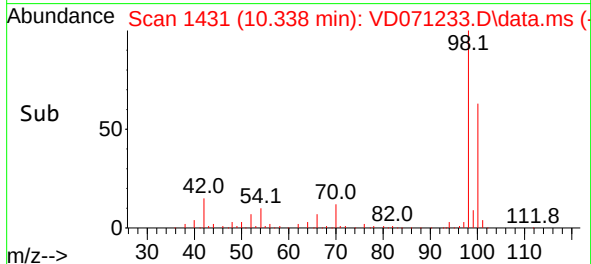
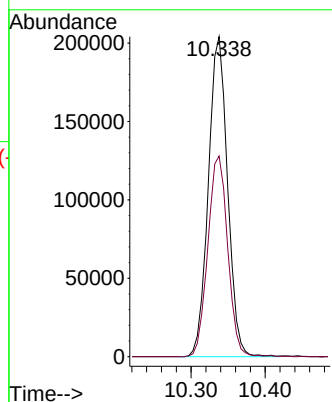
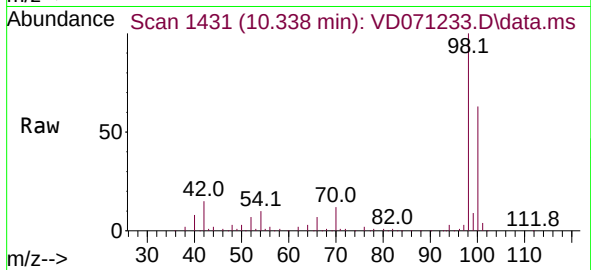




#50
Toluene-d8
Concen: 53.461 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

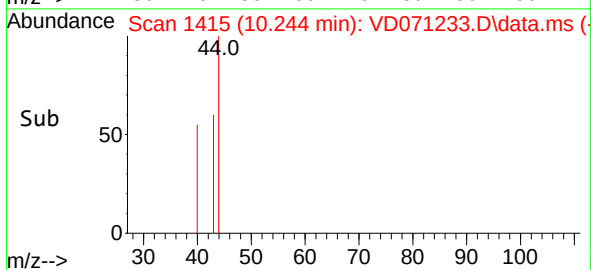
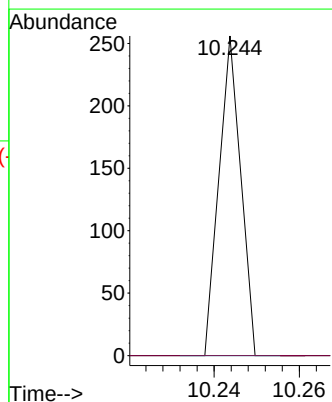
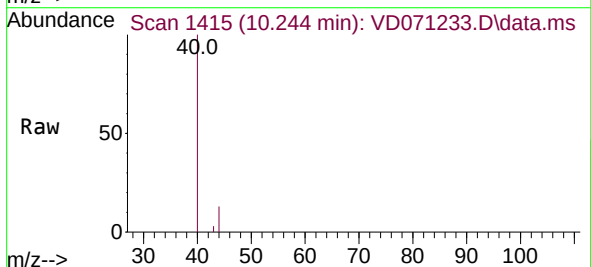
Instrument :
MSVOA_D
ClientSampleId :

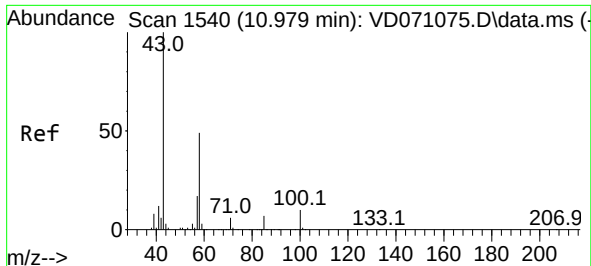
Tgt Ion: 98 Resp: 367772
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.713 ug/l
RT: 10.244 min Scan# 1415
Delta R.T. 0.018 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

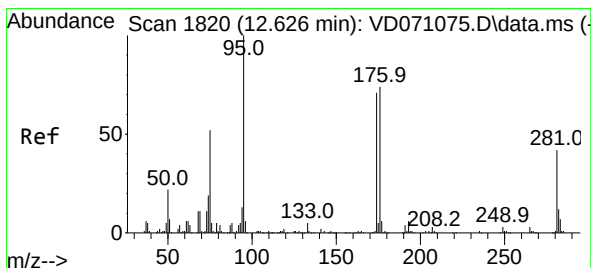
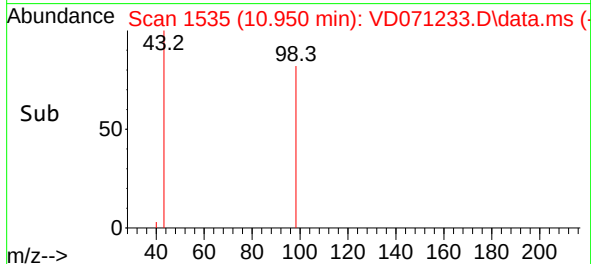
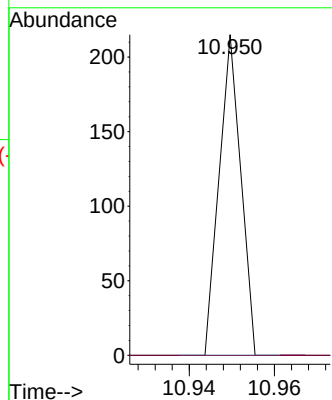
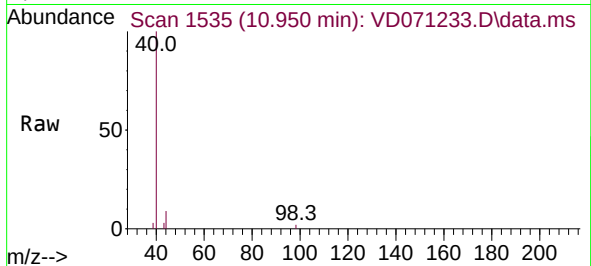




#59
2-Hexanone
Concen: 34.641 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

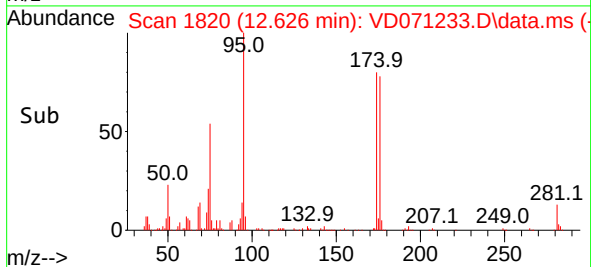
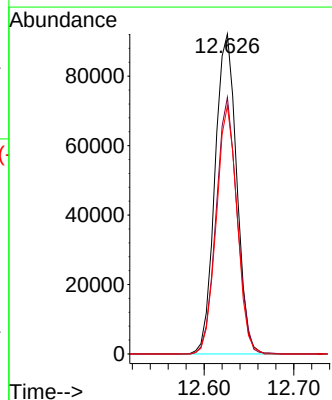
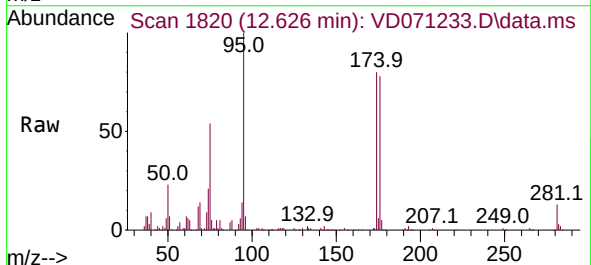
Instrument :
MSVOA_D
ClientSampleId :

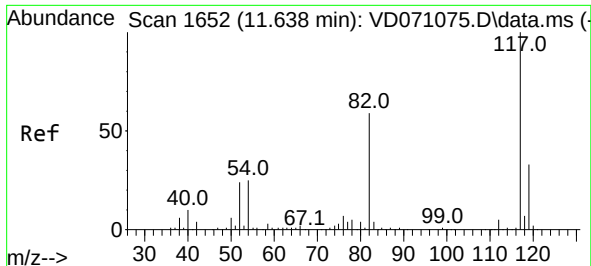
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 64.668 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Tgt Ion: 95 Resp: 154208
Ion Ratio Lower Upper
95 100
174 77.6 0.0 159.4
176 74.5 0.0 154.0

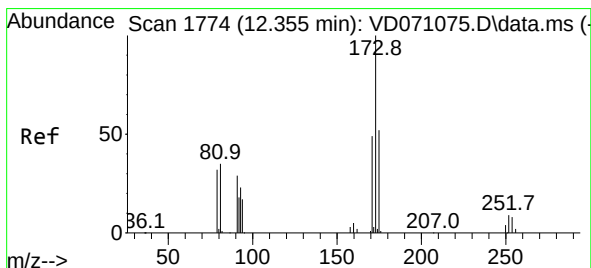
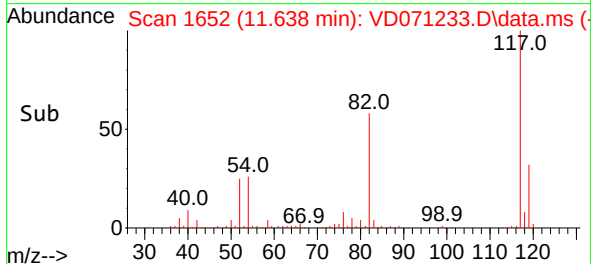
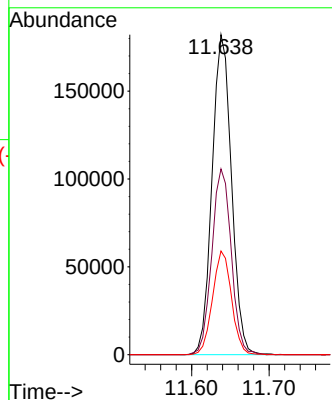
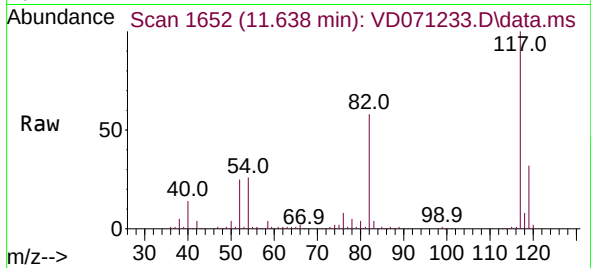




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

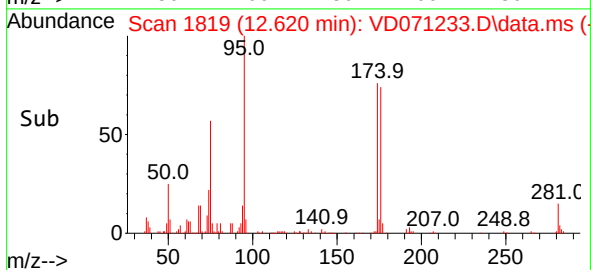
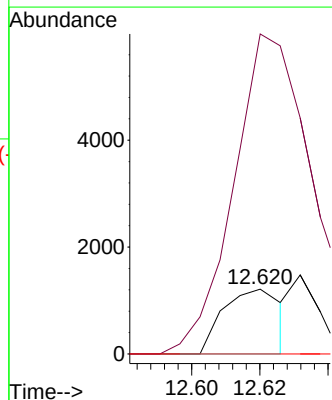
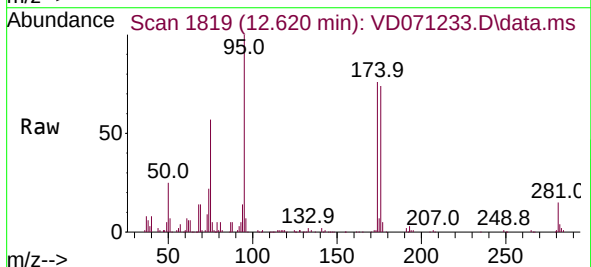
Instrument :
MSVOA_D
ClientSampleId :

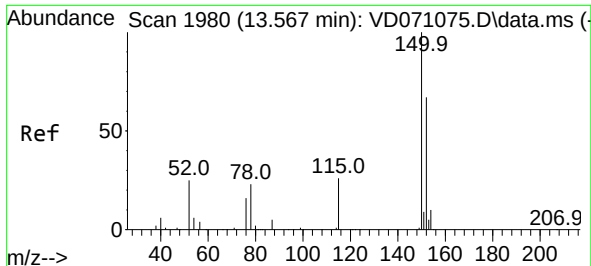
Tgt Ion:117 Resp: 316497
Ion Ratio Lower Upper
117 100
82 58.1 44.7 67.1
119 32.4 26.2 39.4



#71
Bromoform
Concen: 1.294 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

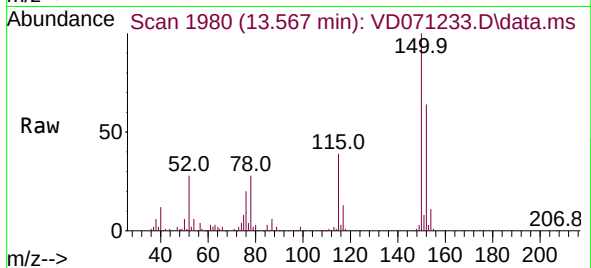
Tgt Ion:173 Resp: 1437
Ion Ratio Lower Upper
173 100
175 556.1 24.1 72.2#
254 0.0 0.1 0.1#



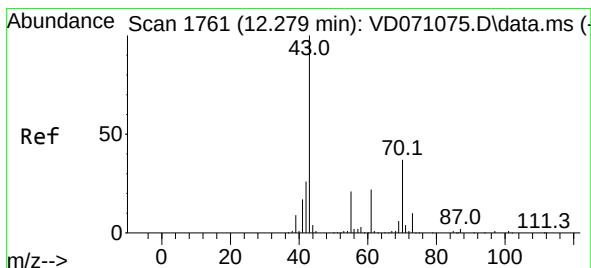
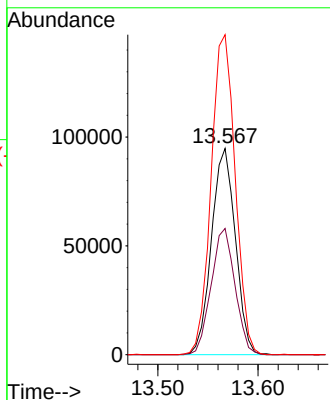
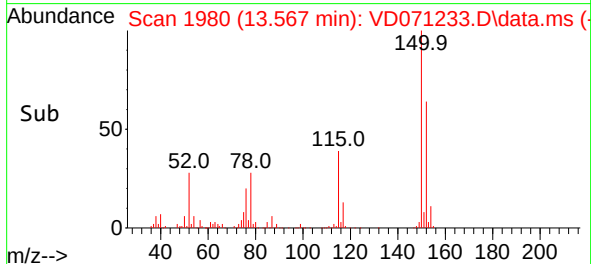


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

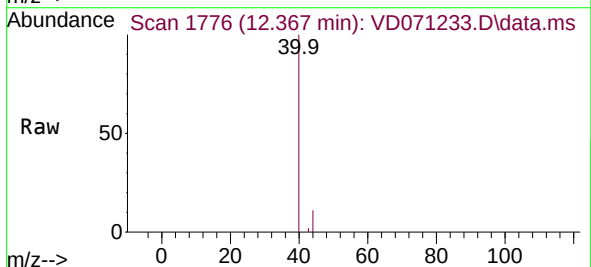
Instrument :
MSVOA_D
ClientSampleId :



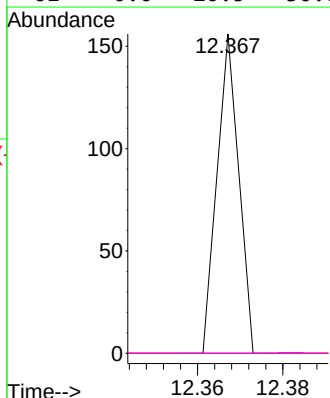
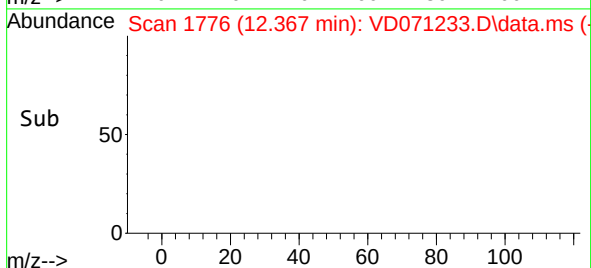
Tgt Ion:152 Resp: 157080
Ion Ratio Lower Upper
152 100
115 61.0 29.8 89.3
150 156.2 0.0 349.2

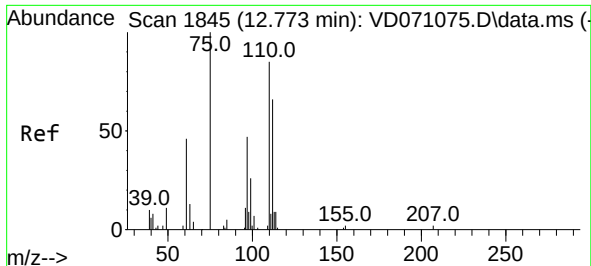


#74
N-ethyl acetate
Concen: 5.717 ug/l
RT: 12.367 min Scan# 1776
Delta R.T. 0.088 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30



Tgt Ion: 43 Resp: 55
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#

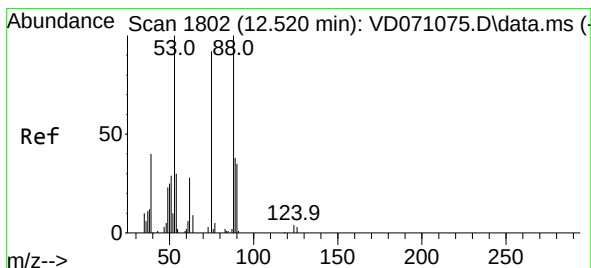
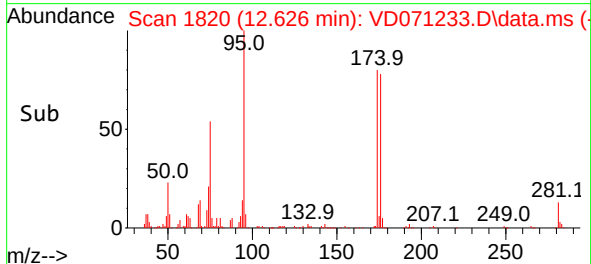
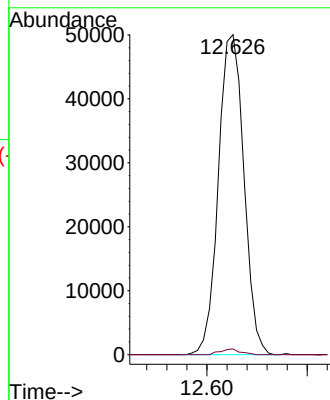
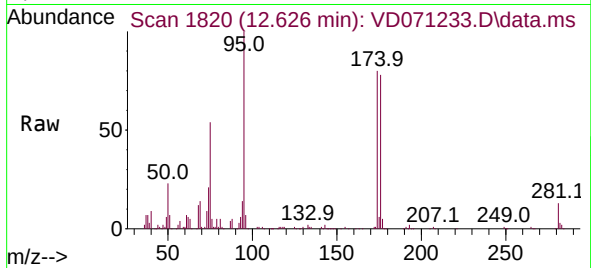




#76
1,2,3-Trichloropropane
Concen: 58.929 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 88192
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.688 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Tgt Ion: 75 Resp: 88192
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.1 34.5 51.7#

