

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071297.D
 Acq On : 13 Dec 2021 15:31
 Operator : VA/SY
 Sample : M5017-59RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:14:13 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)

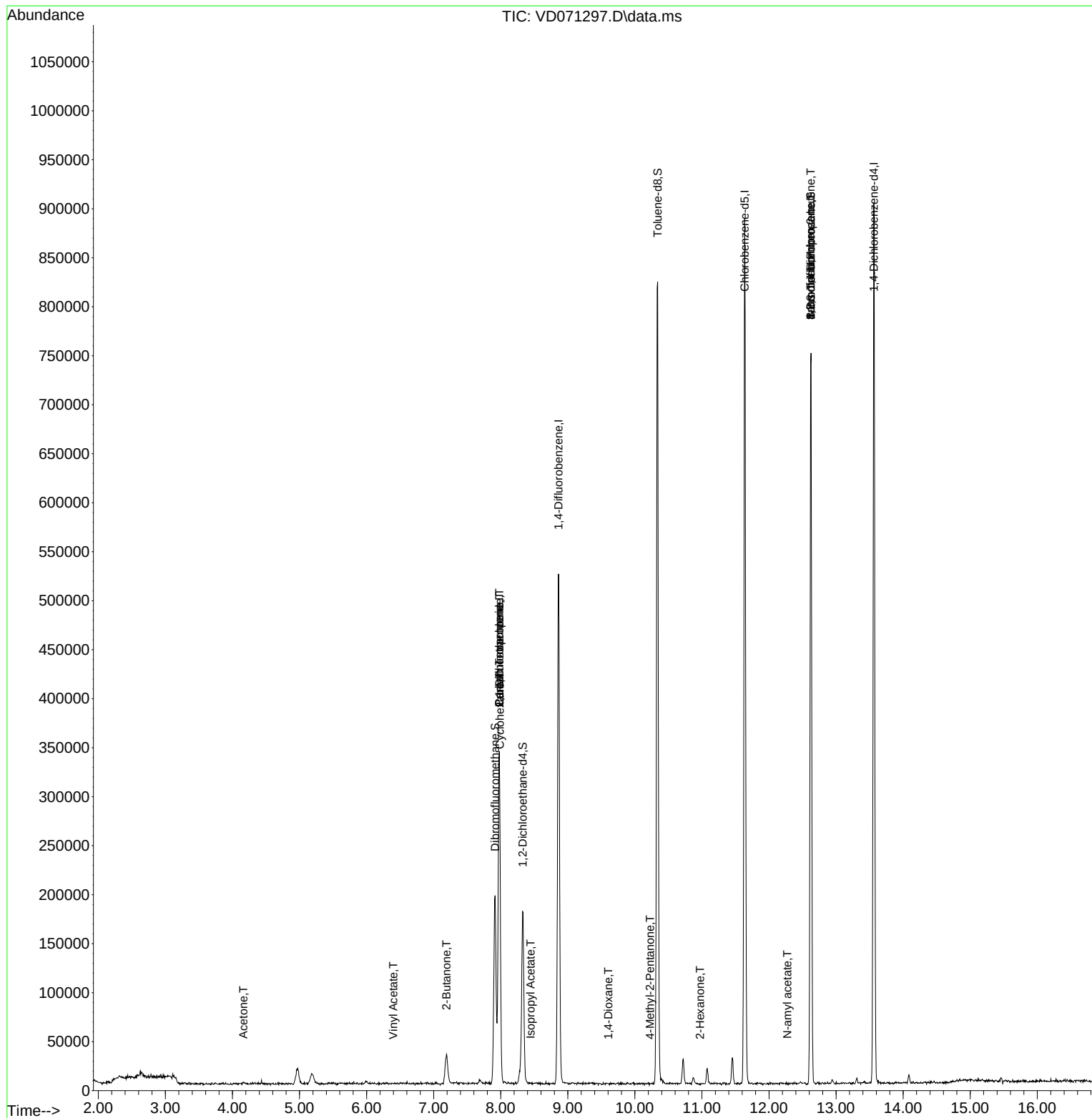
Internal Standards						
1) Pentafluorobenzene	7.979	168	236914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	415059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	457208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	222196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	138581	49.851	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.700%		
35) Dibromofluoromethane	7.914	113	131643	49.807	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.620%		
50) Toluene-d8	10.338	98	535056	53.196	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.400%		
62) 4-Bromofluorobenzene	12.620	95	217652	62.426	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	124.860%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.191	59	10113	Below Cal	#	71
16) Acetone	4.162	43	2861	34.195	ug/l #	40
20) Methylene Chloride	4.962	84	10794	Below Cal		84
23) Vinyl Acetate	6.397	43	84	27.235	ug/l #	72
25) 2-Butanone	7.191	43	2053	30.494	ug/l #	45
31) Cyclohexane	7.985	56	7420	1.569	ug/l #	41
36) 1,1-Dichloropropene	7.979	75	21836	5.629	ug/l #	51
38) Carbon Tetrachloride	7.979	117	26200	6.851	ug/l #	17
41) Methacrylonitrile	7.532	41	130	Below Cal	#	27
43) Isopropyl Acetate	8.444	43	55	5.236	ug/l #	47
49) 1,4-Dioxane	9.603	88	56	4.035	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	277	30.780	ug/l #	34
59) 2-Hexanone	10.973	43	92	34.630	ug/l #	22
71) Bromoform	12.620	173	2334	1.455	ug/l #	1
74) N-amyl acetate	12.273	43	144	5.730	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	126156	59.592	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	126156	129.061	ug/l #	18

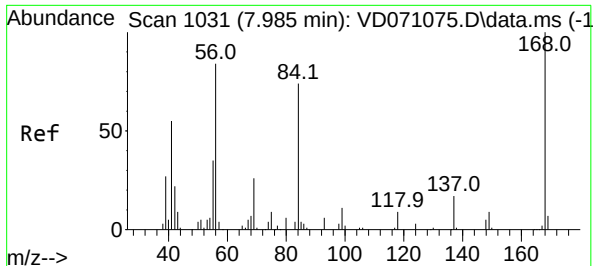
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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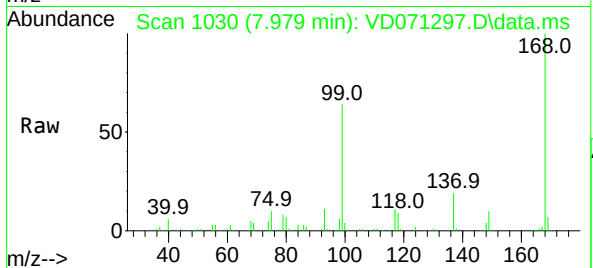
Quant Time: Dec 14 08:14:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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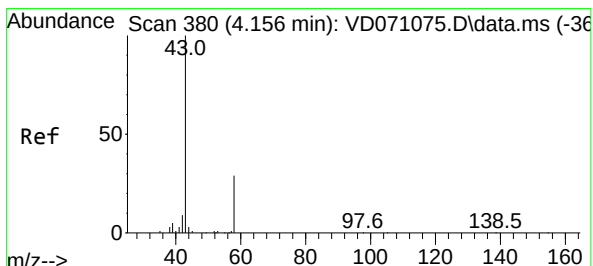
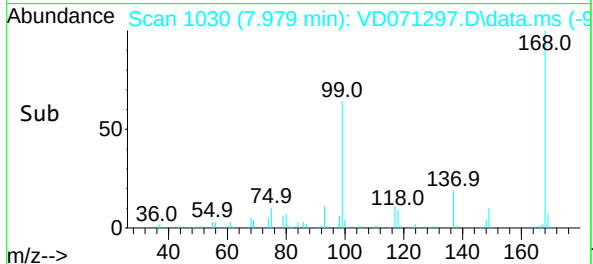
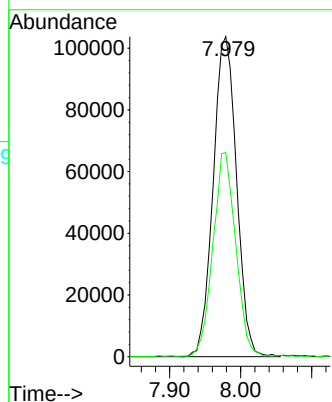


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Instrument :
MSVOA_D
ClientSampleId :

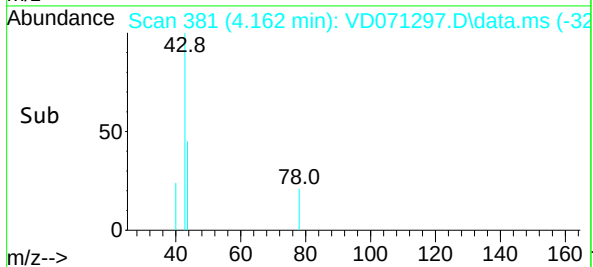
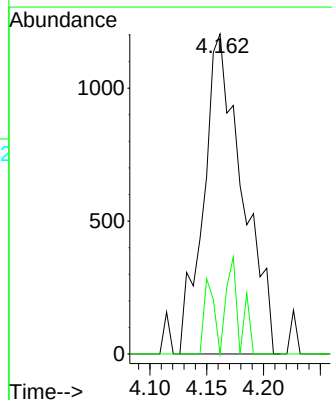
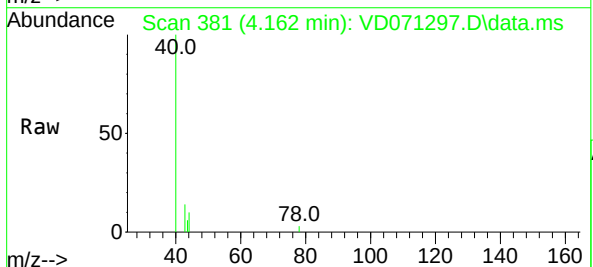


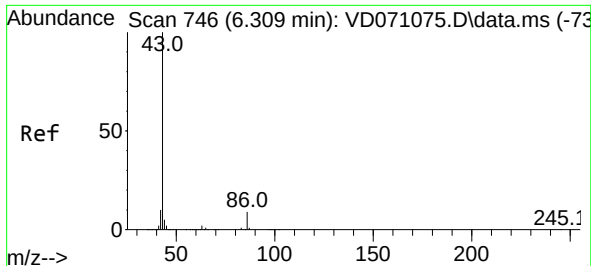
Tgt Ion:168 Resp: 236914
Ion Ratio Lower Upper
168 100
99 63.6 46.6 69.8



#16
Acetone
Concen: 34.195 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Tgt Ion: 43 Resp: 2861
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

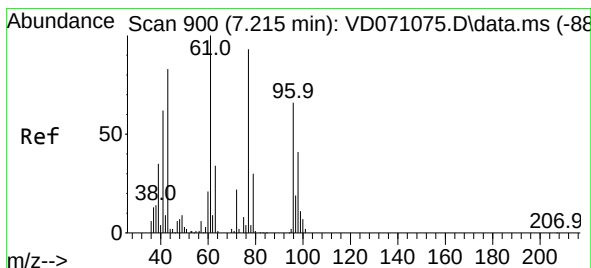
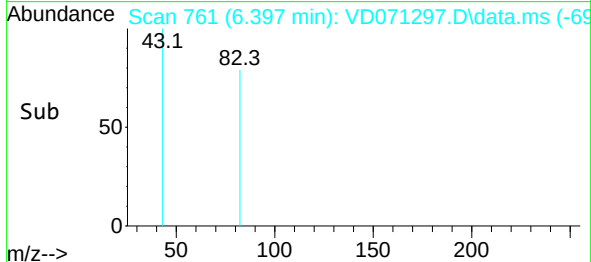
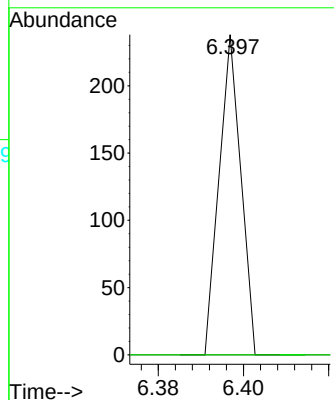
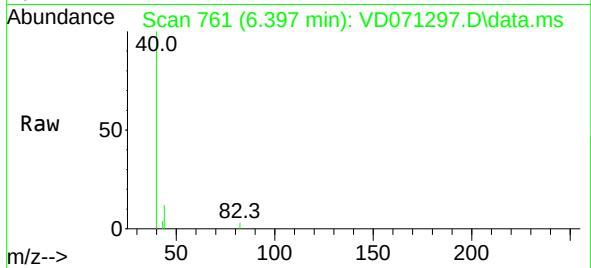




#23
 Vinyl Acetate
 Concen: 27.235 ug/l
 RT: 6.397 min Scan# 70
 Delta R.T. 0.088 min
 Lab File: VD071297.D
 Acq: 13 Dec 2021 15:31

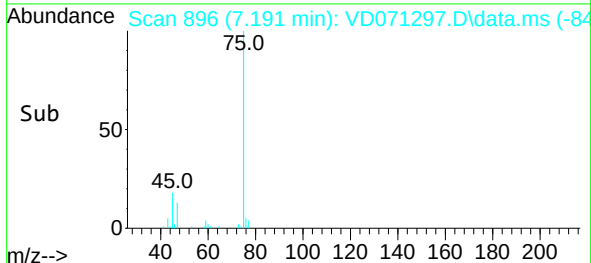
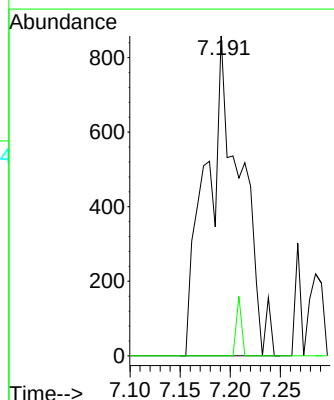
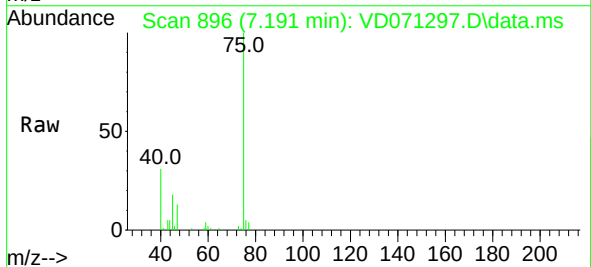
Instrument :
 MSVOA_D
 ClientSampleId :

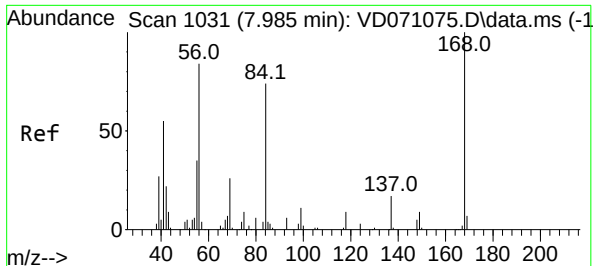
Tgt Ion: 43 Resp: 84
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 30.494 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.024 min
 Lab File: VD071297.D
 Acq: 13 Dec 2021 15:31

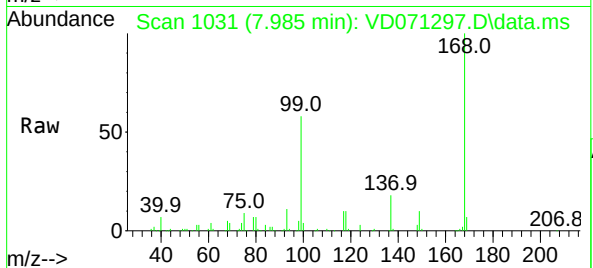
Tgt Ion: 43 Resp: 2053
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



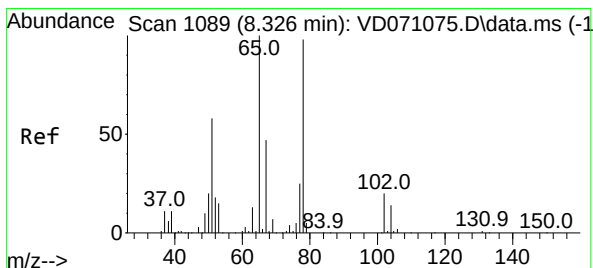
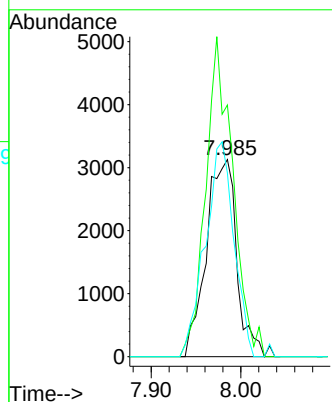
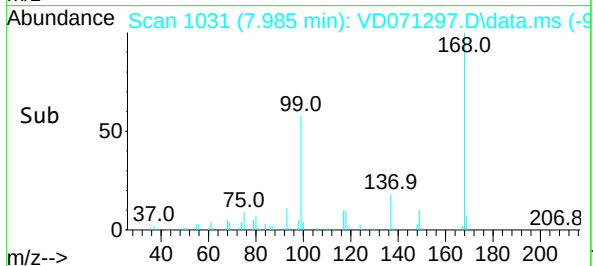


#31
Cyclohexane
Concen: 1.569 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Instrument :
MSVOA_D
ClientSampleId :

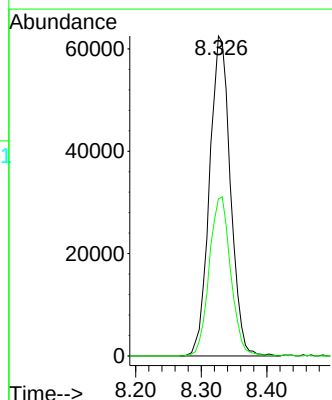
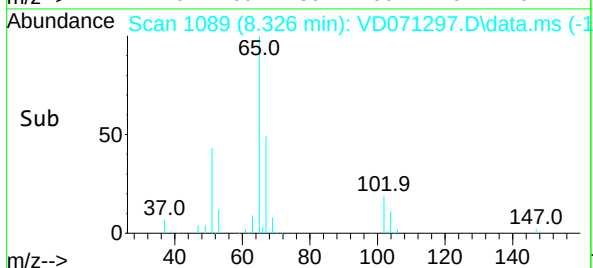
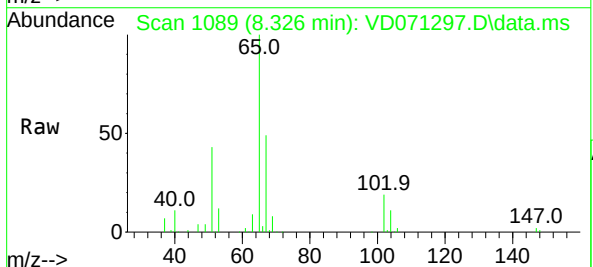


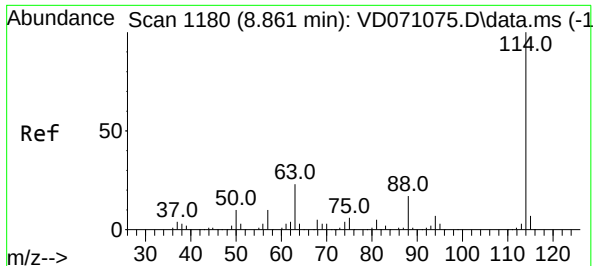
Tgt Ion: 56 Resp: 7420
Ion Ratio Lower Upper
56 100
69 127.7 25.9 38.9#
84 93.2 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 49.851 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Tgt Ion: 65 Resp: 138581
Ion Ratio Lower Upper
65 100
67 50.9 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: VD071297.D

Acq: 13 Dec 2021 15:31

Instrument :

MSVOA_D

ClientSampleId :

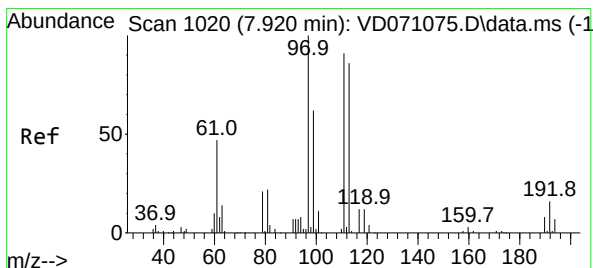
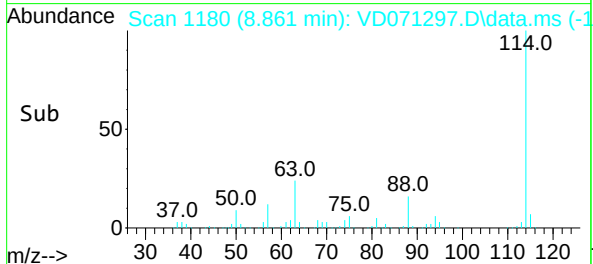
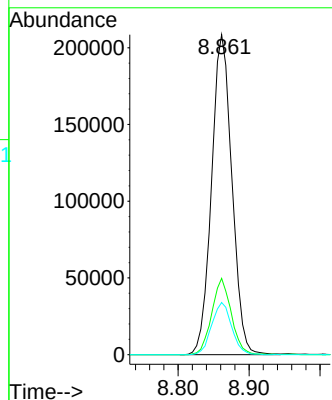
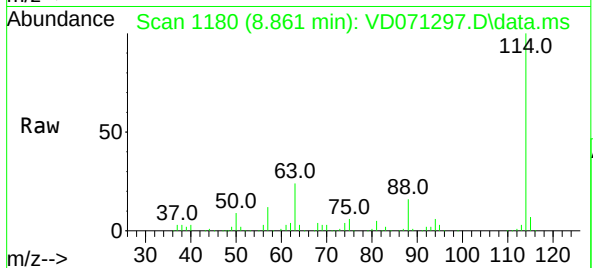
Tgt Ion:114 Resp: 415059

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.8

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.807 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071297.D

Acq: 13 Dec 2021 15:31

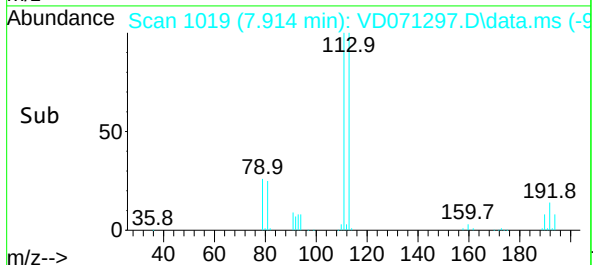
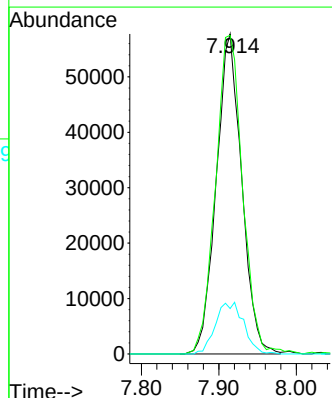
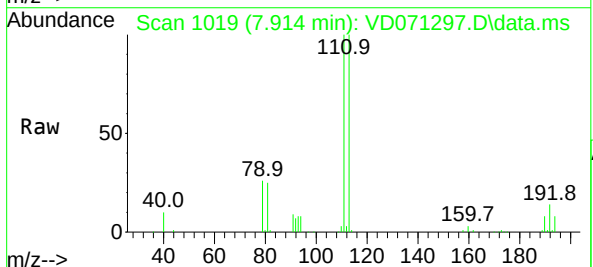
Tgt Ion:113 Resp: 131643

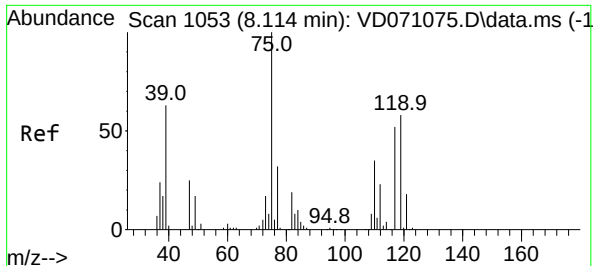
Ion Ratio Lower Upper

113 100

111 106.1 82.0 123.0

192 18.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.629 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

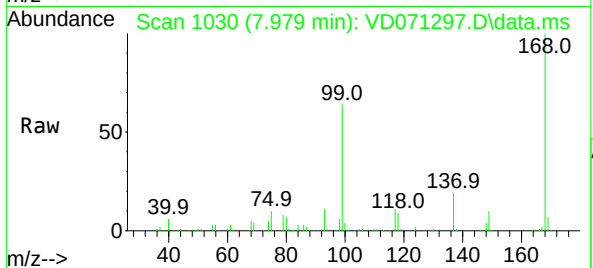
Lab File: VD071297.D

Acq: 13 Dec 2021 15:31

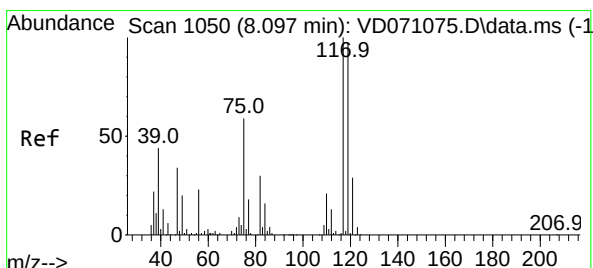
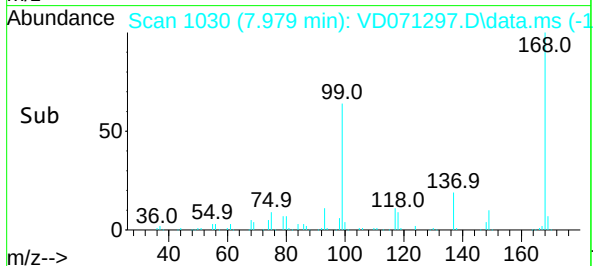
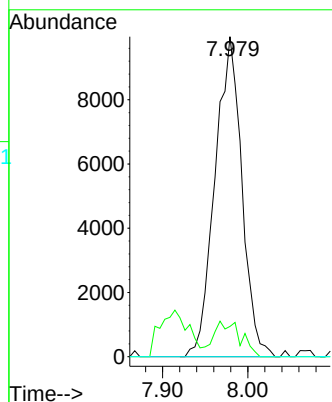
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	21836
Ion Ratio	Lower	Upper	
75	100		
110	10.8	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.851 ug/l

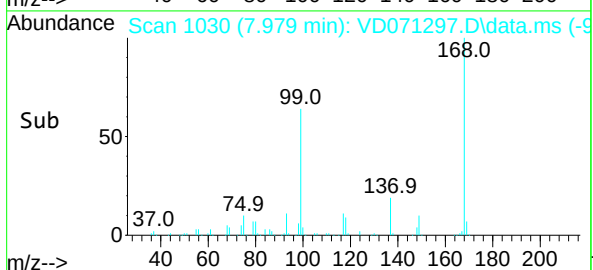
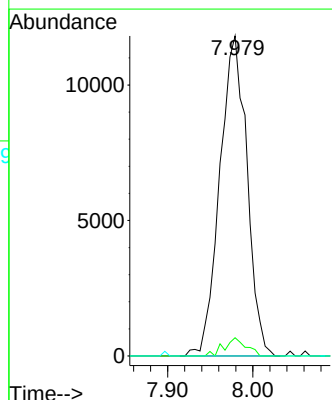
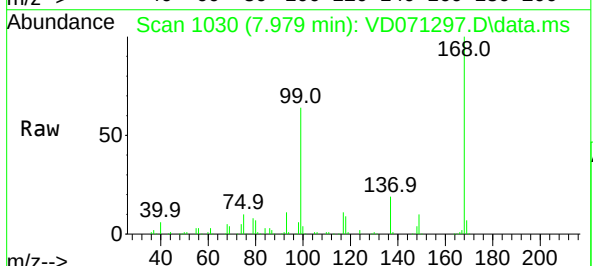
RT: 7.979 min Scan# 1030

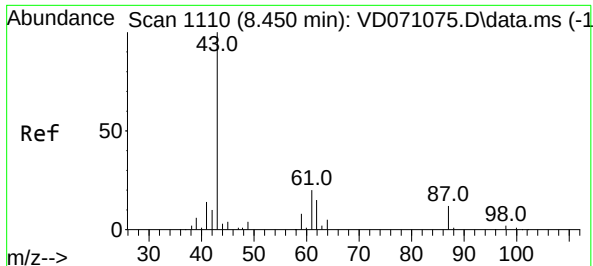
Delta R.T. -0.118 min

Lab File: VD071297.D

Acq: 13 Dec 2021 15:31

Tgt Ion:	117	Resp:	26200
Ion Ratio	Lower	Upper	
117	100		
119	5.7	75.8	113.6#
121	0.0	23.6	35.4#





#43

Isopropyl Acetate

Concen: 5.236 ug/l

RT: 8.444 min Scan# 1110

Delta R.T. -0.006 min

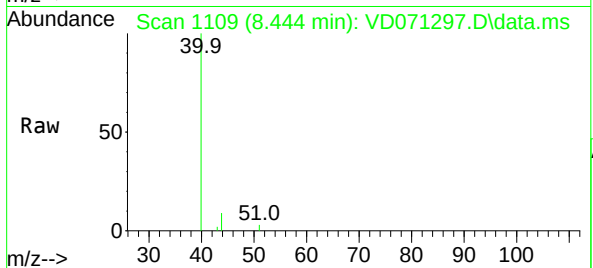
Lab File: VD071297.D

Acq: 13 Dec 2021 15:31

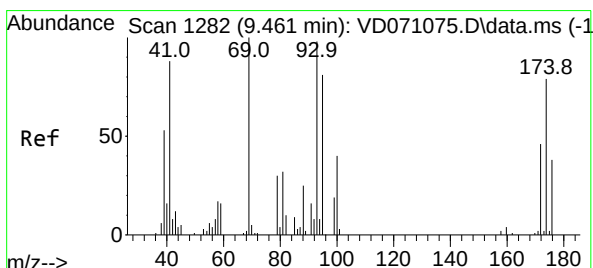
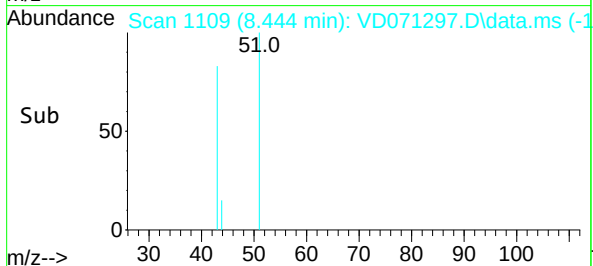
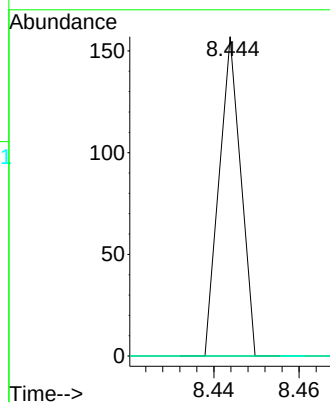
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 55
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: 4.035 ug/l

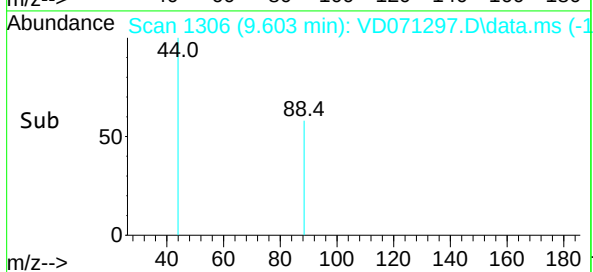
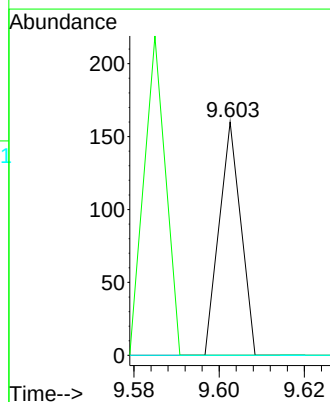
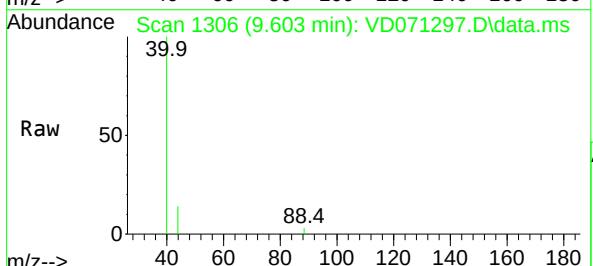
RT: 9.603 min Scan# 1306

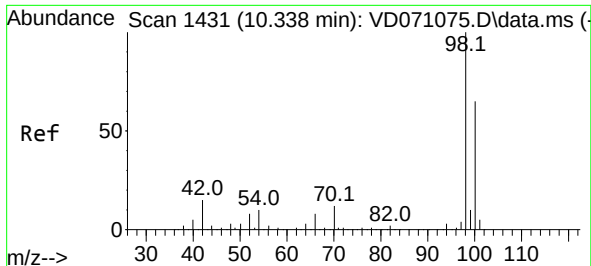
Delta R.T. 0.142 min

Lab File: VD071297.D

Acq: 13 Dec 2021 15:31

Tgt Ion: 88	Resp: 56
Ion Ratio	Lower Upper
88	100
43	137.5 28.9 43.3#
58	0.0 56.3 84.5#

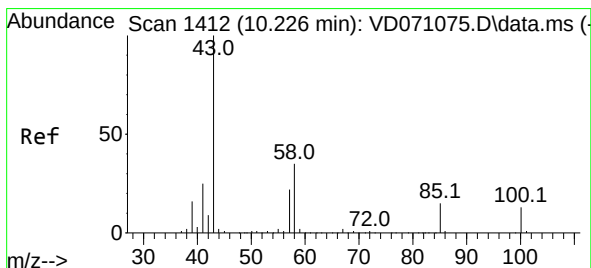
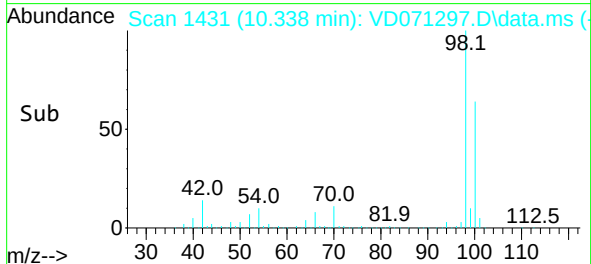
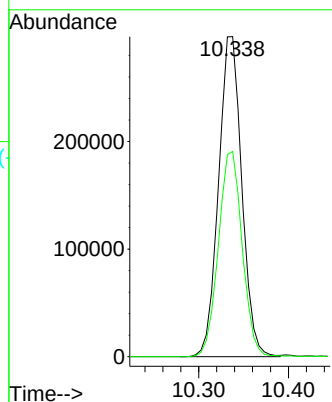
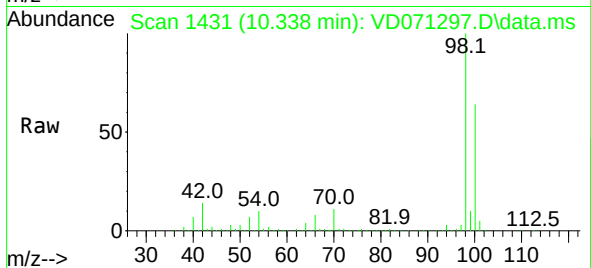




#50
Toluene-d8
Concen: 53.196 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

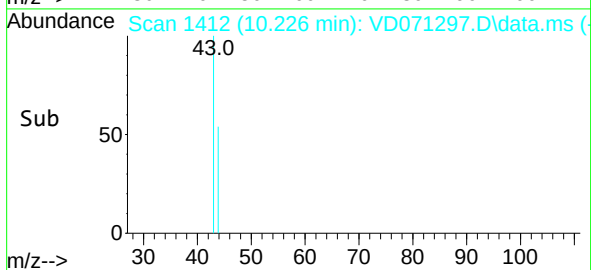
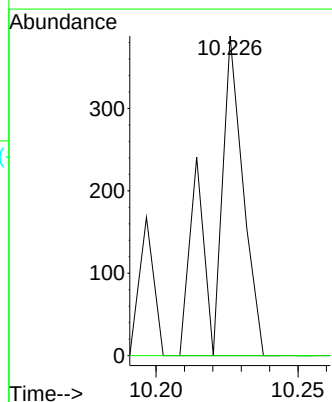
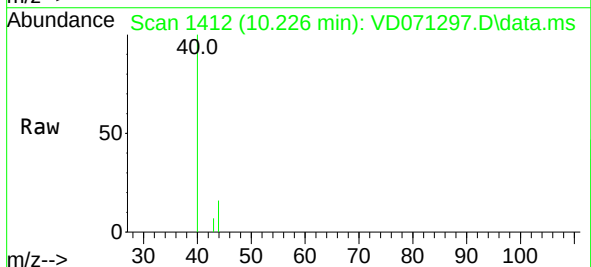
Instrument :
MSVOA_D
ClientSampleId :

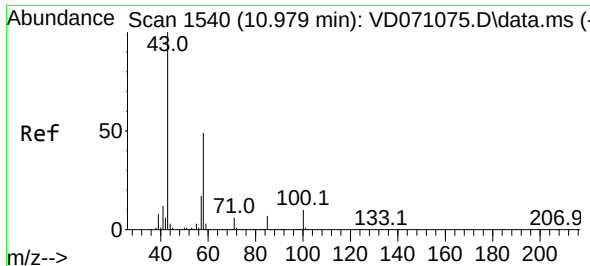
Tgt Ion: 98 Resp: 535056
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.780 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Tgt Ion: 43 Resp: 277
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

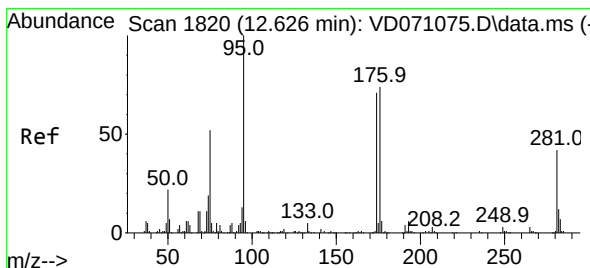
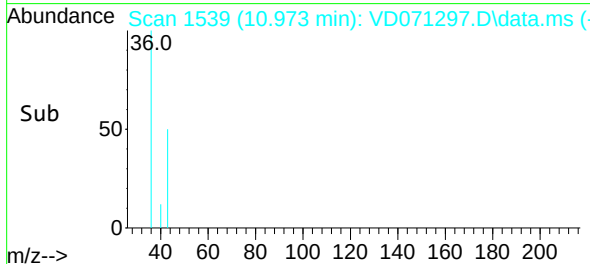
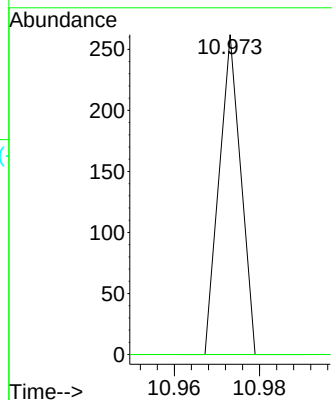
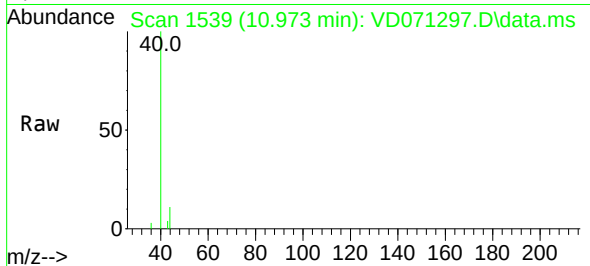




#59
2-Hexanone
Concen: 34.630 ug/l
RT: 10.973 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

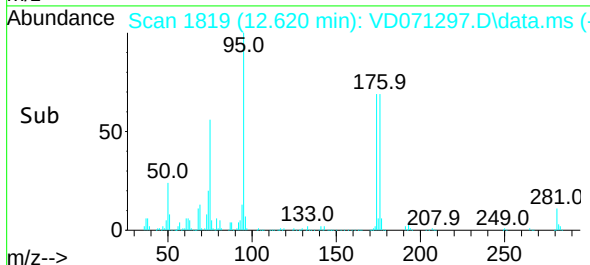
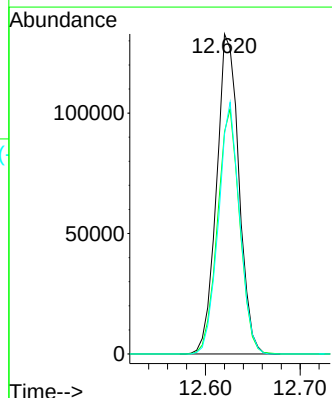
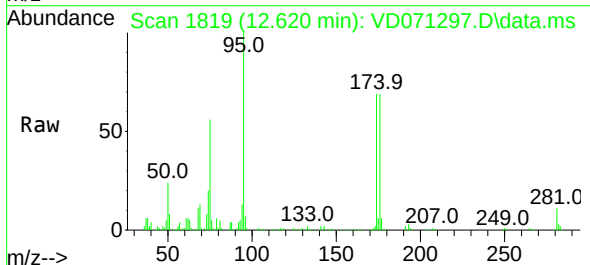
Instrument :
MSVOA_D
ClientSampleId :

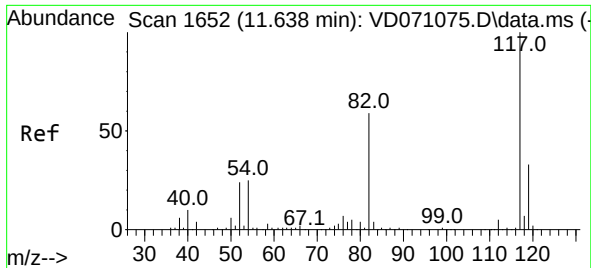
Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 62.426 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

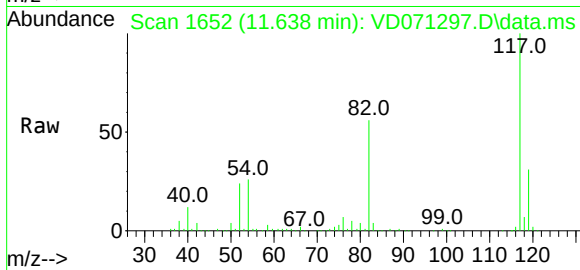
Tgt Ion: 95 Resp: 217652
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 74.7 0.0 154.0



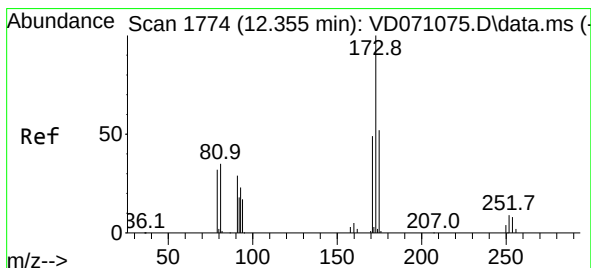
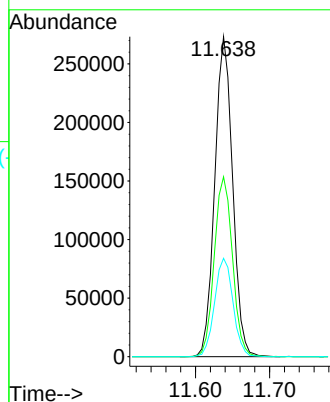
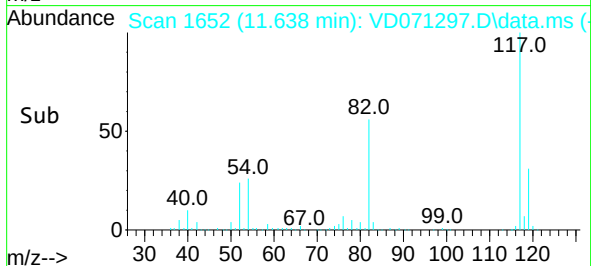


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Instrument :
MSVOA_D
ClientSampleId :

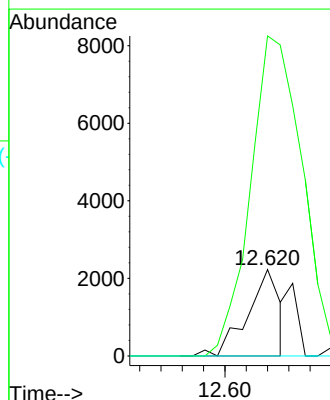
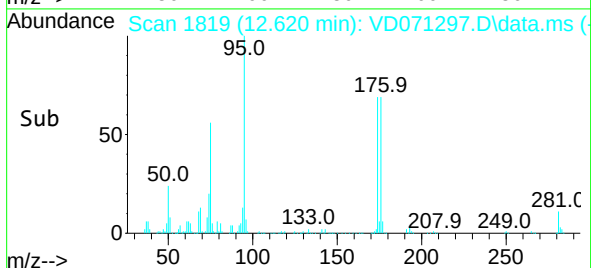
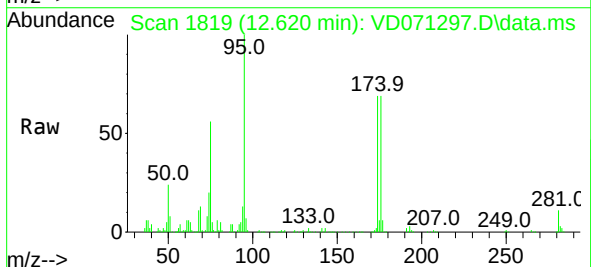


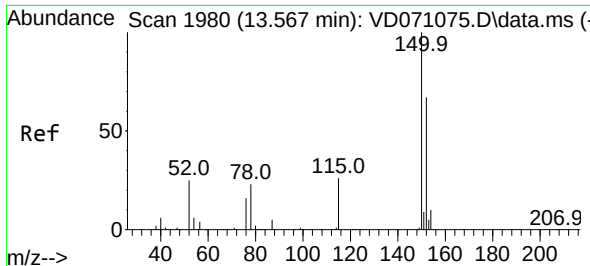
Tgt Ion:117 Resp: 457208
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 30.8 26.2 39.4



#71
Bromoform
Concen: 1.455 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

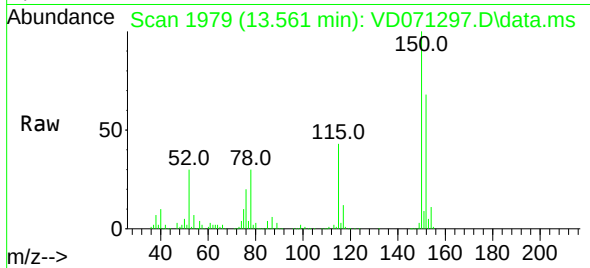
Tgt Ion:173 Resp: 2334
Ion Ratio Lower Upper
173 100
175 487.8 24.1 72.2#
254 0.0 0.1 0.1#



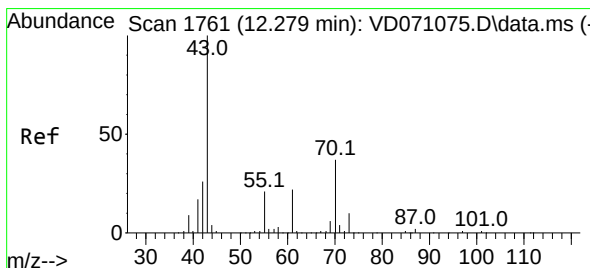
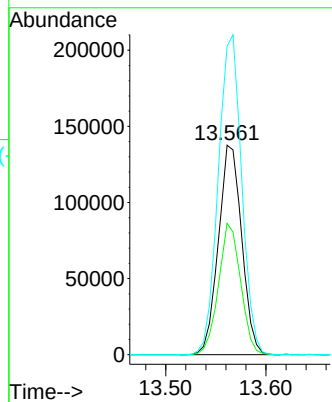
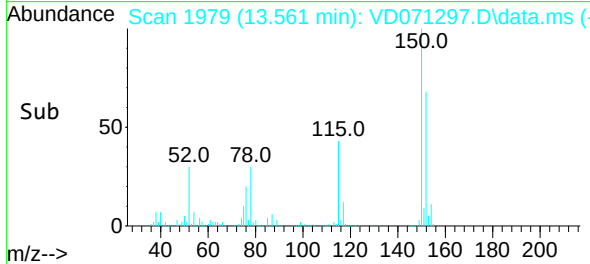


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

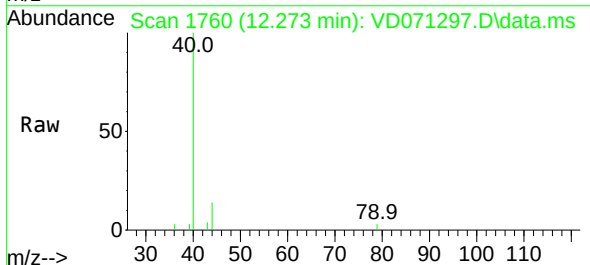
Instrument :
MSVOA_D
ClientSampleId :



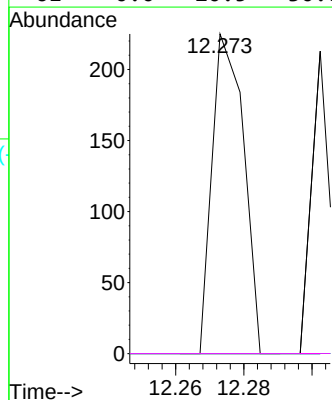
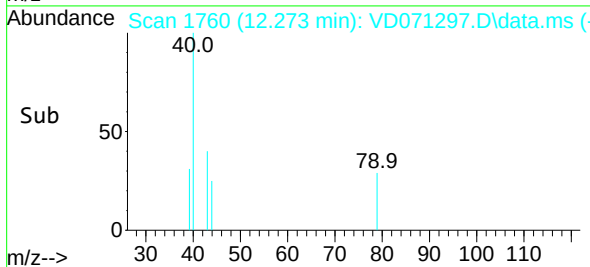
Tgt Ion:152 Resp: 222196
Ion Ratio Lower Upper
152 100
115 59.5 29.8 89.3
150 153.2 0.0 349.2

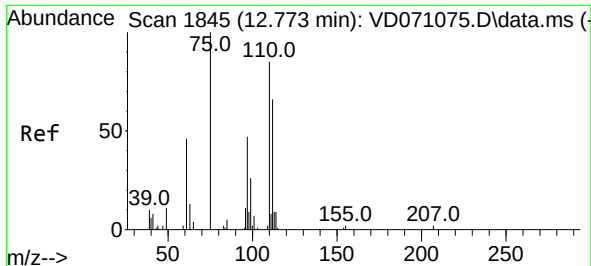


#74
N-ethyl acetate
Concen: 5.730 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31



Tgt Ion: 43 Resp: 144
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#

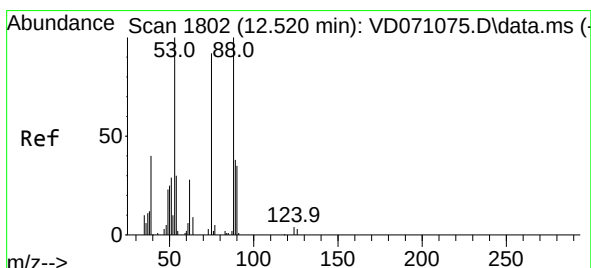
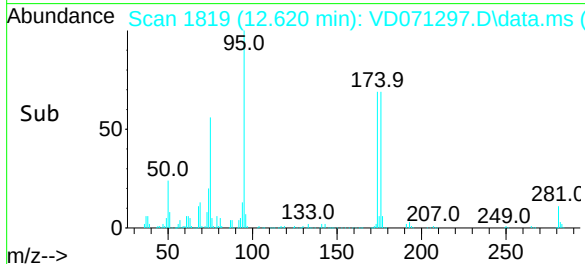
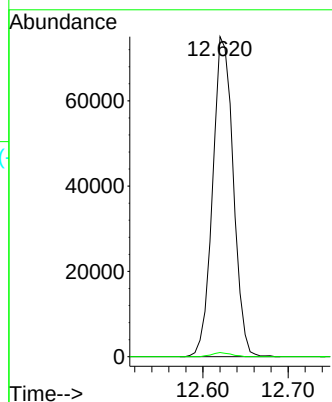
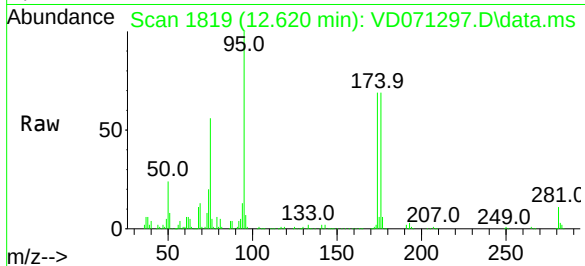




#76
1,2,3-Trichloropropane
Concen: 59.592 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 126156
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.061 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071297.D
Acq: 13 Dec 2021 15:31

Tgt Ion: 75 Resp: 126156
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.1 34.5 51.7#

