

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071298.D
 Acq On : 13 Dec 2021 15:59
 Operator : VA/SY
 Sample : M5018-59RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:14:22 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)

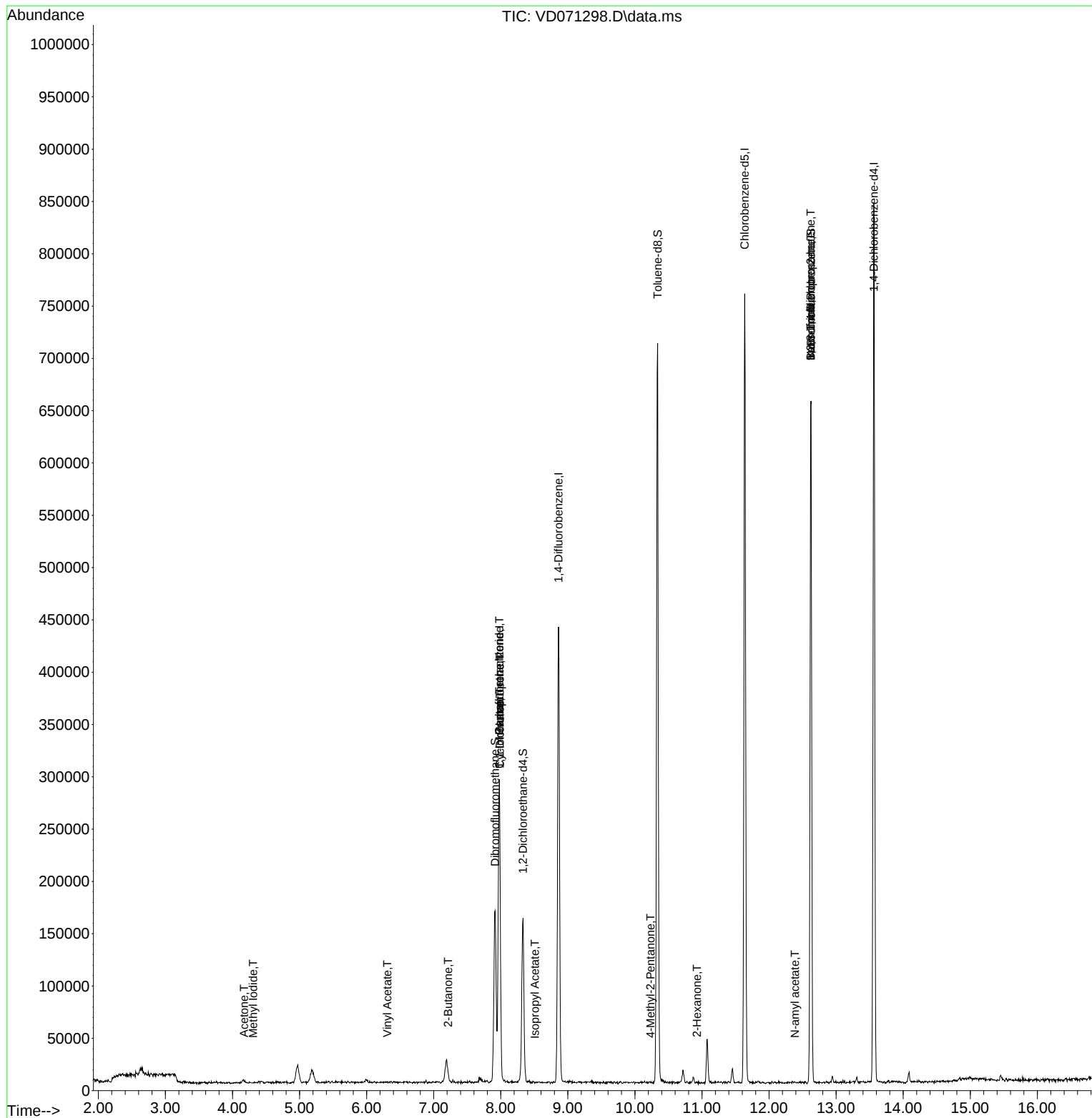
Internal Standards						
1) Pentafluorobenzene	7.979	168	200546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	347394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	402517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	205128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	123690	52.563	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 105.120%		
35) Dibromofluoromethane	7.914	113	115766	52.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 104.660%		
50) Toluene-d8	10.338	98	457113	54.299	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 108.600%		
62) 4-Bromofluorobenzene	12.626	95	198268	67.943	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 135.880%		
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	160	4.623	ug/l #	40
11) Tert butyl alcohol	5.179	59	5750	Below Cal	#	71
16) Acetone	4.173	43	3572	35.808	ug/l #	87
23) Vinyl Acetate	6.309	43	59	27.232	ug/l #	72
25) 2-Butanone	7.214	43	324	28.757	ug/l #	45
31) Cyclohexane	7.985	56	5587	1.396	ug/l #	69
36) 1,1-Dichloropropene	7.985	75	18039	5.556	ug/l #	50
38) Carbon Tetrachloride	7.979	117	21565	6.738	ug/l #	17
41) Methacrylonitrile	7.544	41	126	Below Cal	#	12
43) Isopropyl Acetate	8.508	43	74	5.244	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	502	30.930	ug/l #	34
59) 2-Hexanone	10.926	43	57	34.615	ug/l #	22
71) Bromoform	12.620	173	1455	1.030	ug/l #	1
74) N-amyl acetate	12.385	43	113	5.726	ug/l #	38
76) 1,2,3-Trichloropropane	12.620	75	112588	57.608	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	112588	124.956	ug/l #	18

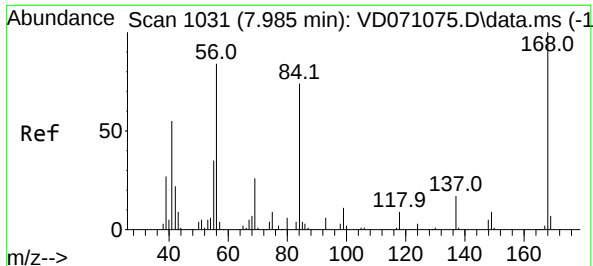
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071298.D
Acq On : 13 Dec 2021 15:59
Operator : VA/SY
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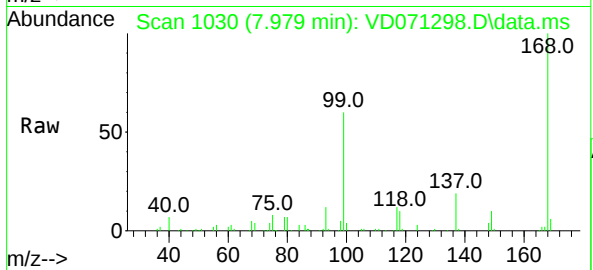
Quant Time: Dec 14 08:14:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



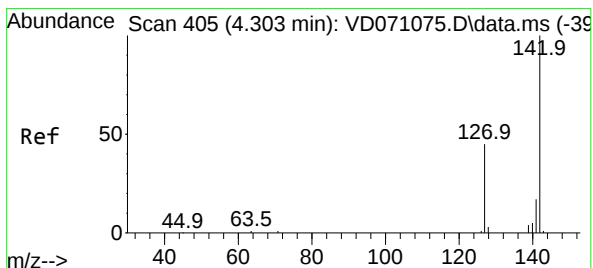
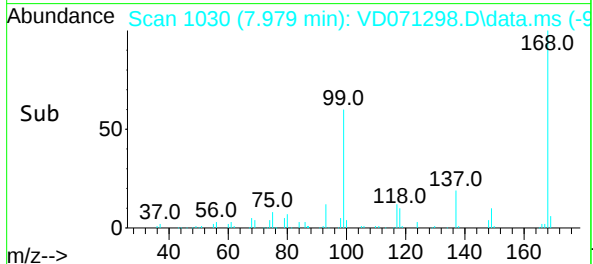
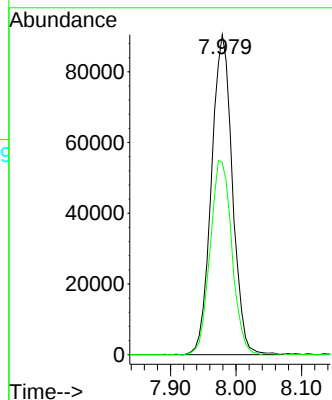


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Instrument :
MSVOA_D
ClientSampleId :

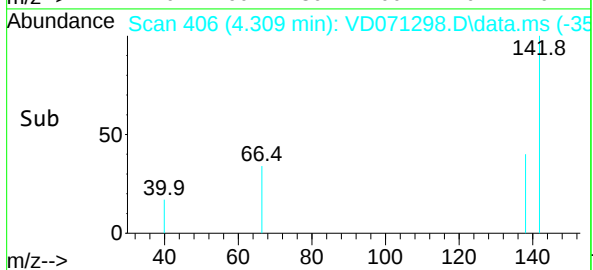
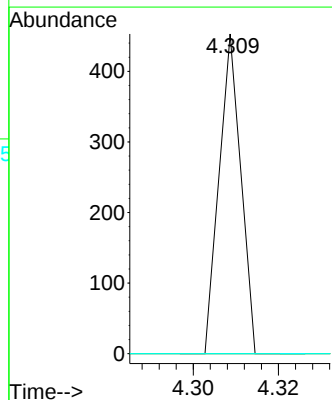
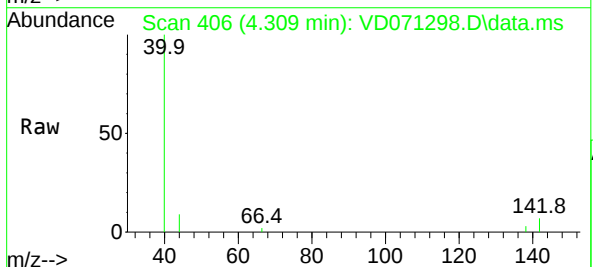


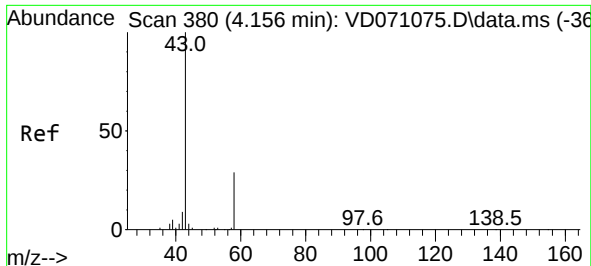
Tgt Ion:168 Resp: 200546
Ion Ratio Lower Upper
168 100
99 60.0 46.6 69.8



#10
Methyl Iodide
Concen: 4.623 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Tgt Ion:142 Resp: 160
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

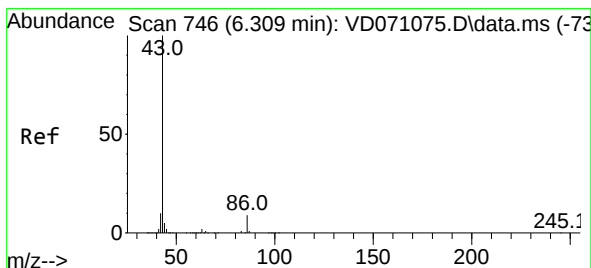
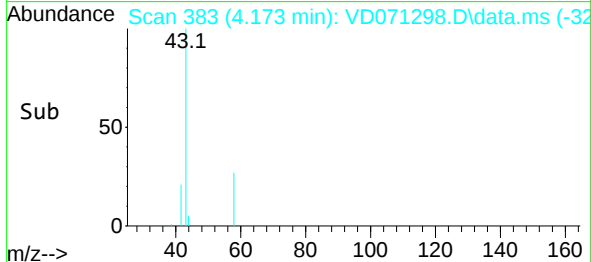
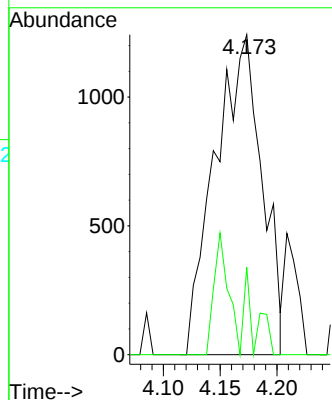
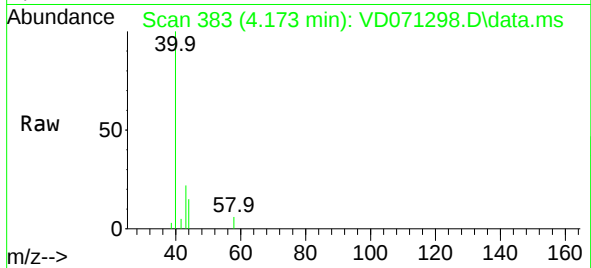




#16
Acetone
Concen: 35.808 ug/l
RT: 4.173 min Scan# 380
Delta R.T. 0.017 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

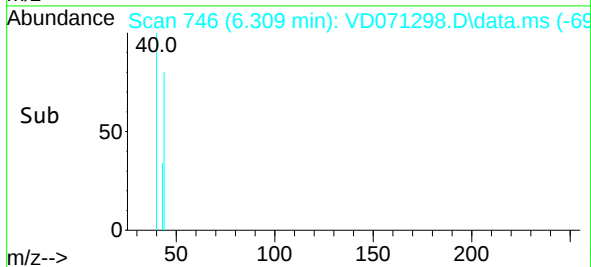
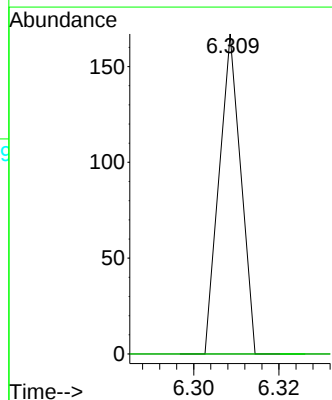
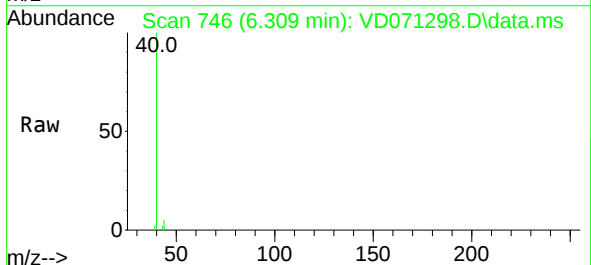
Instrument :
MSVOA_D
ClientSampleId :

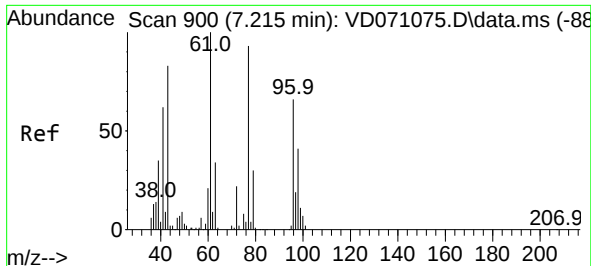
Tgt Ion: 43 Resp: 3572
Ion Ratio Lower Upper
43 100
58 27.3 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.232 ug/l
RT: 6.309 min Scan# 746
Delta R.T. -0.000 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

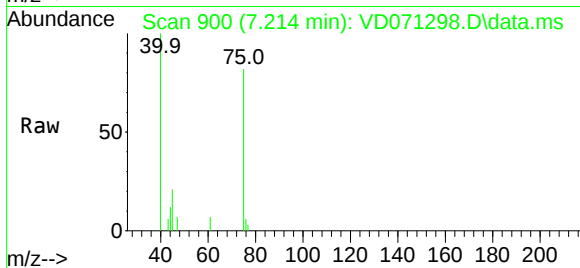
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



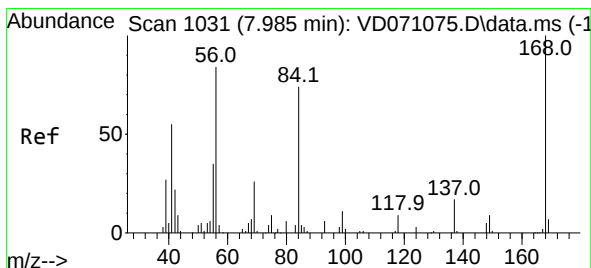
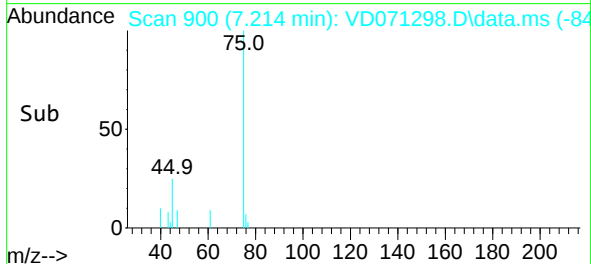
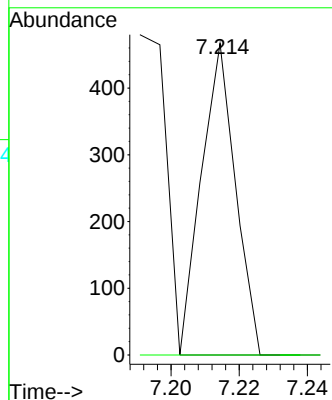


#25
2-Butanone
Concen: 28.757 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.001 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Instrument :
MSVOA_D
ClientSampleId :

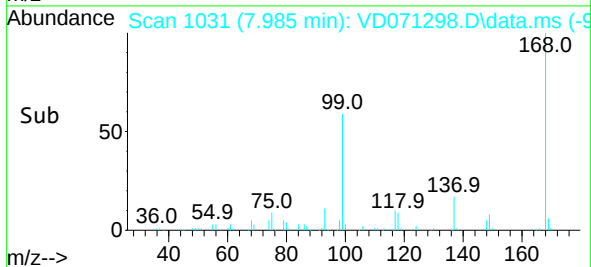
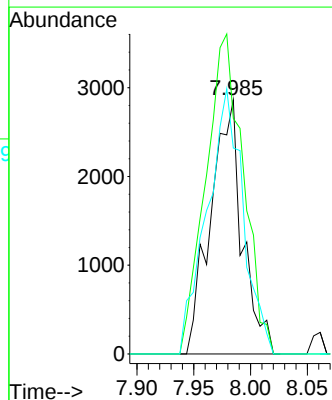
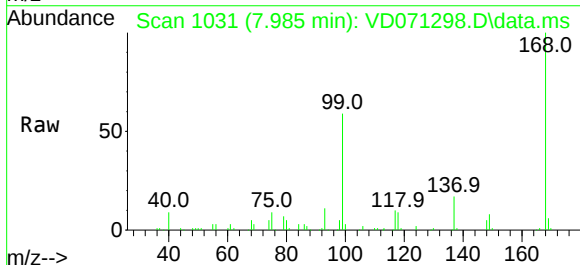


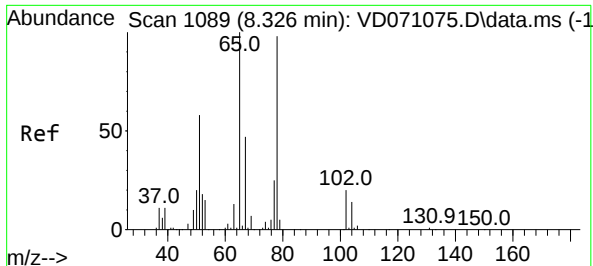
Tgt Ion: 43 Resp: 324
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.396 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Tgt Ion: 56 Resp: 5587
Ion Ratio Lower Upper
56 100
69 92.7 25.9 38.9#
84 81.0 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 52.563 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071298.D

Acq: 13 Dec 2021 15:59

Instrument :

MSVOA_D

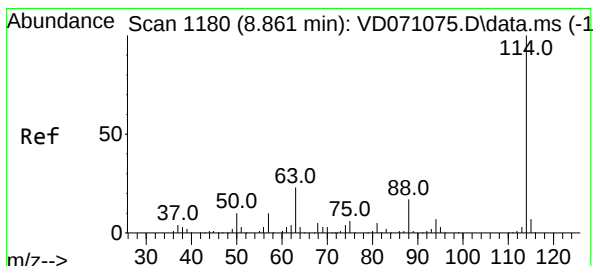
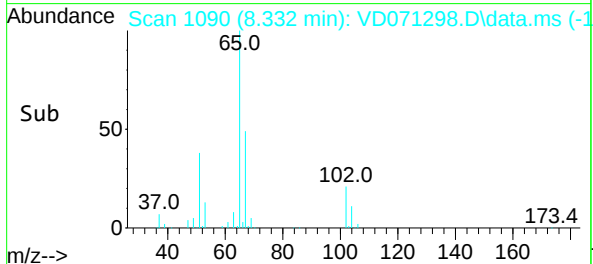
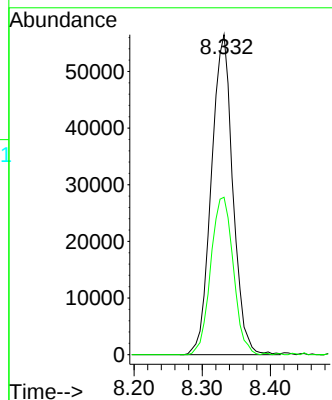
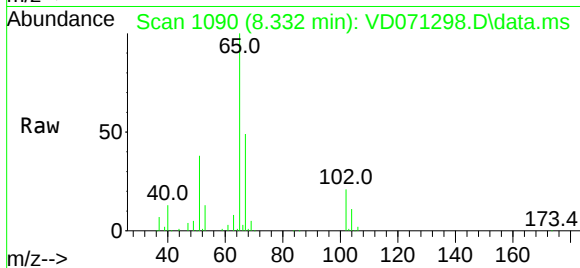
ClientSampleId :

Tgt Ion: 65 Resp: 123690

Ion Ratio Lower Upper

65 100

67 51.7 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: VD071298.D

Acq: 13 Dec 2021 15:59

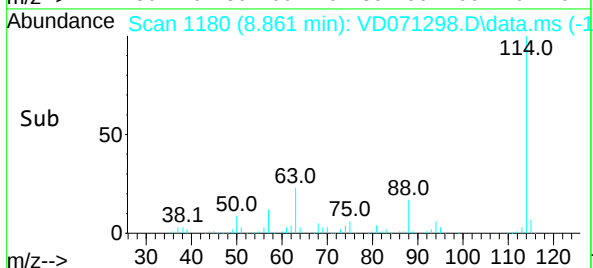
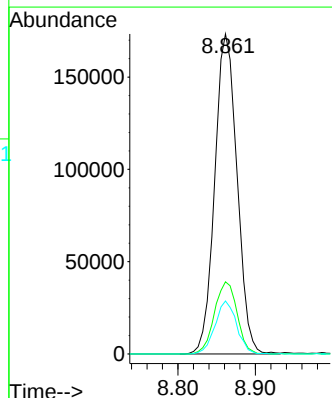
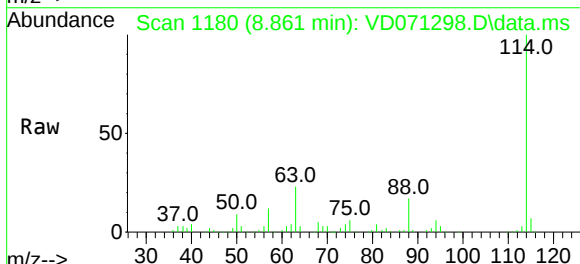
Tgt Ion: 114 Resp: 347394

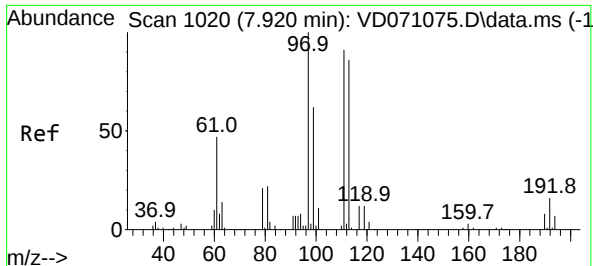
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.331 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

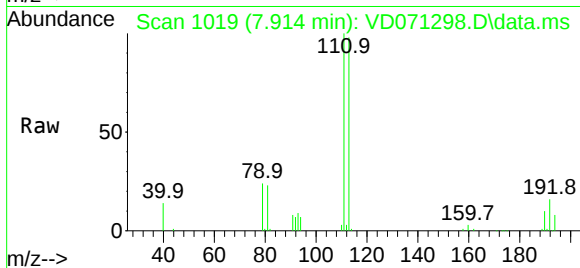
Lab File: VD071298.D

Acq: 13 Dec 2021 15:59

Instrument :

MSVOA_D

ClientSampleId :



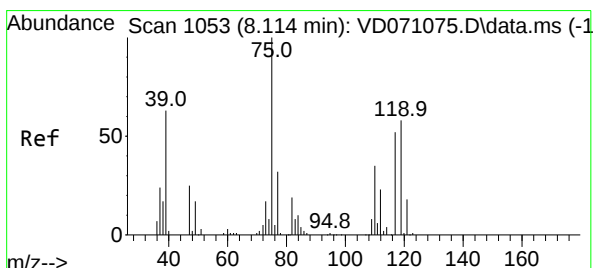
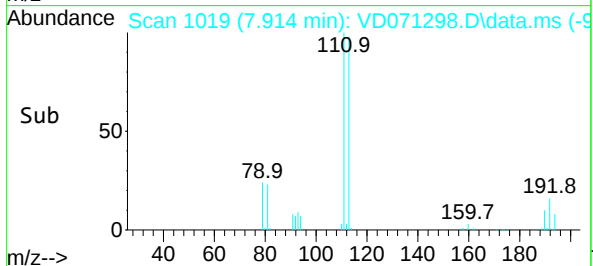
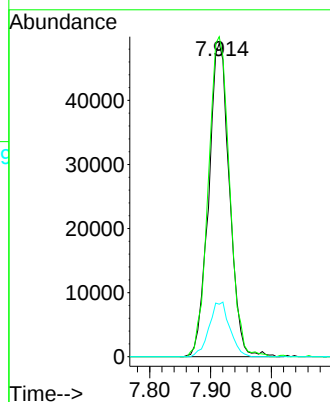
Tgt Ion:113 Resp: 115766

Ion Ratio Lower Upper

113 100

111 104.4 82.0 123.0

192 17.4 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.556 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD071298.D

Acq: 13 Dec 2021 15:59

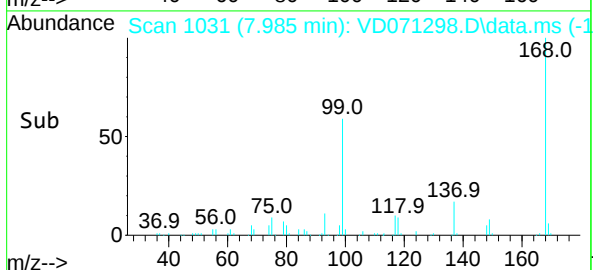
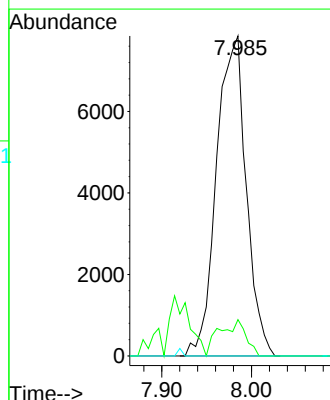
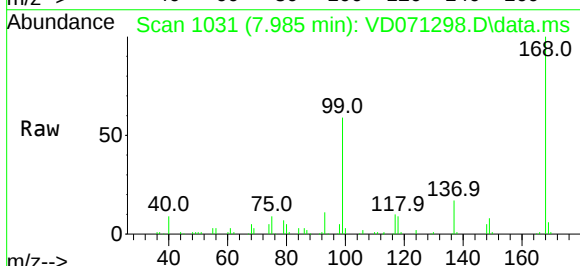
Tgt Ion: 75 Resp: 18039

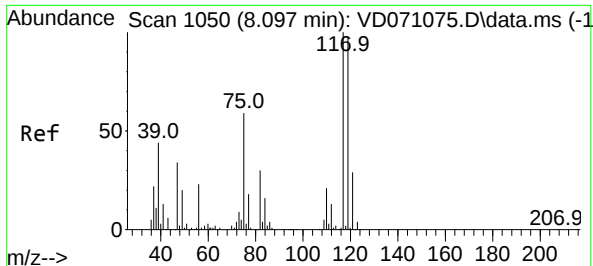
Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.4#

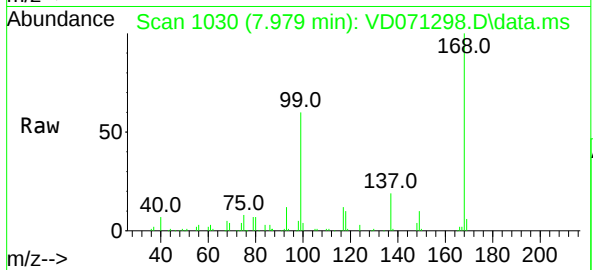
77 0.0 24.8 37.2#



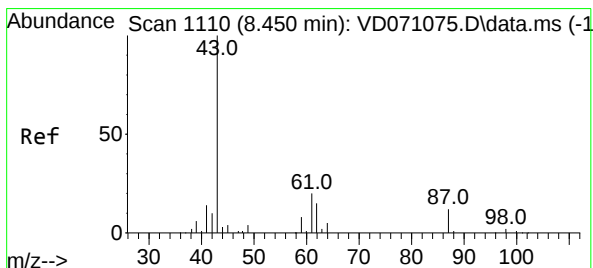
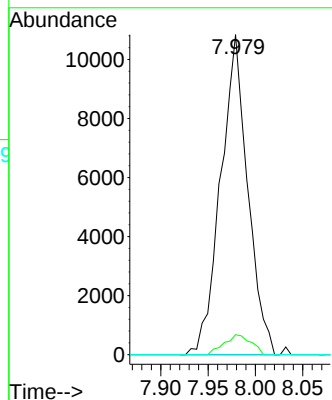
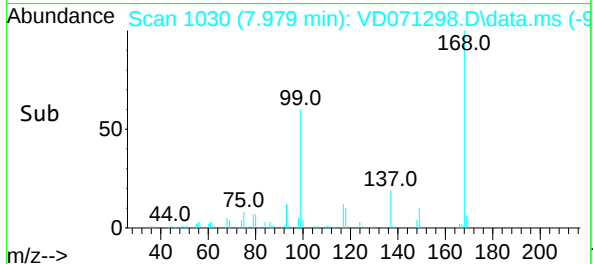


#38
Carbon Tetrachloride
Concen: 6.738 ug/l
RT: 7.979 min Scan# 110
Delta R.T. -0.118 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Instrument :
MSVOA_D
ClientSampleId :

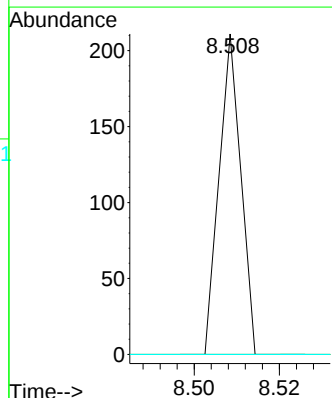
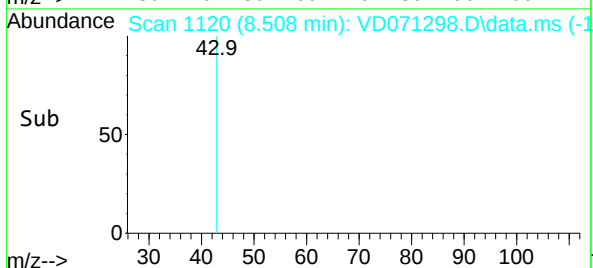
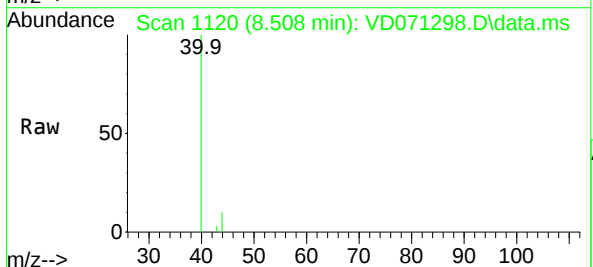


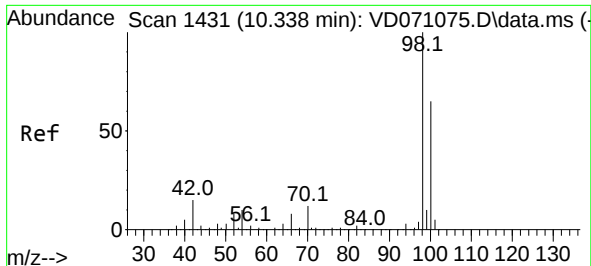
Tgt Ion:117 Resp: 21565
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.244 ug/l
RT: 8.508 min Scan# 1120
Delta R.T. 0.058 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

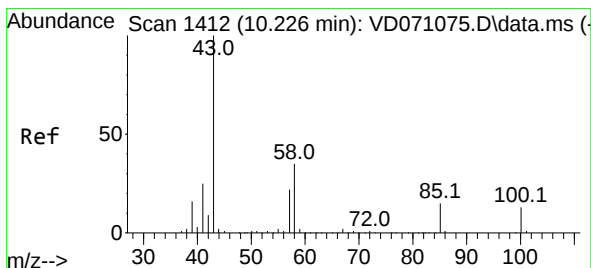
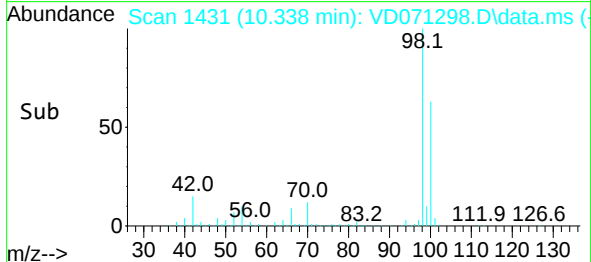
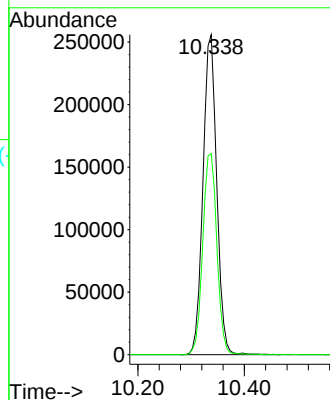
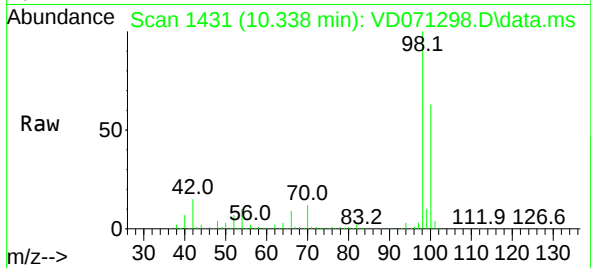




#50
Toluene-d8
Concen: 54.299 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

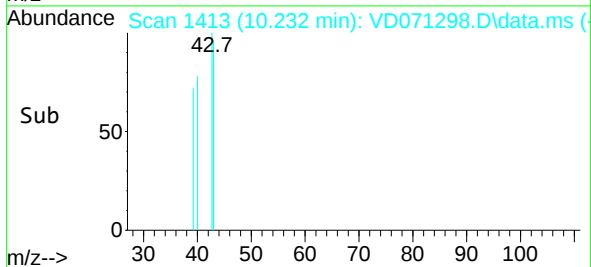
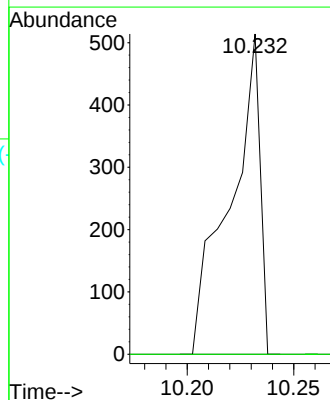
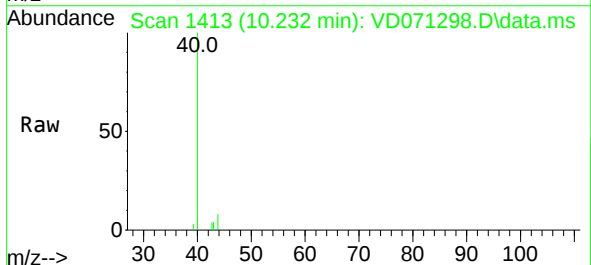
Instrument :
MSVOA_D
ClientSampleId :

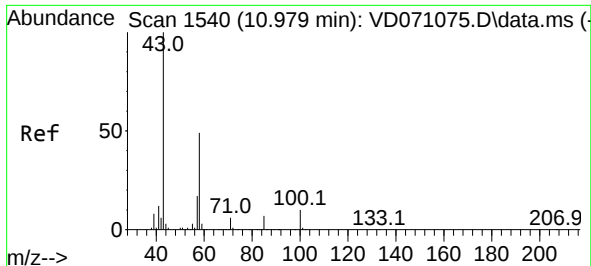
Tgt Ion: 98 Resp: 457113
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.930 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

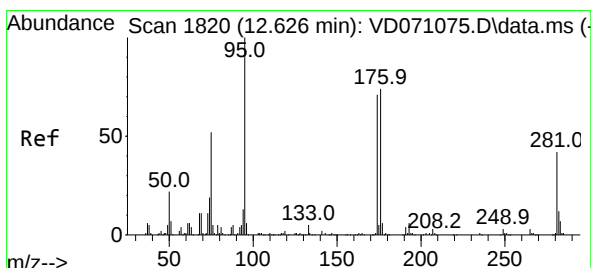
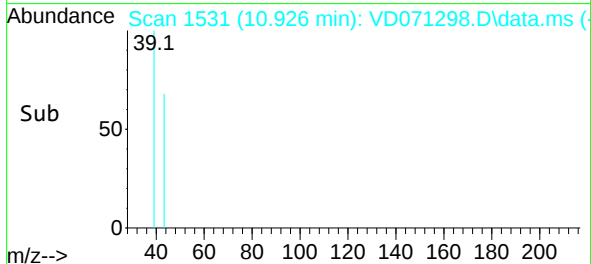
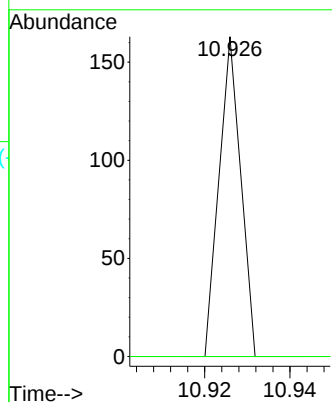
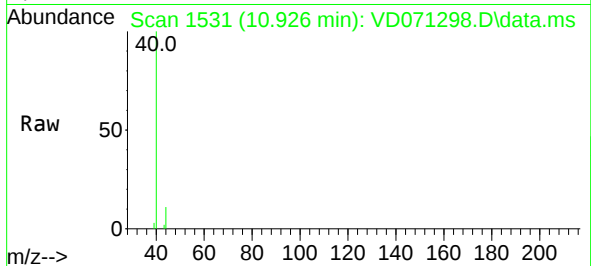




#59
2-Hexanone
Concen: 34.615 ug/l
RT: 10.926 min Scan# 1531
Delta R.T. -0.053 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

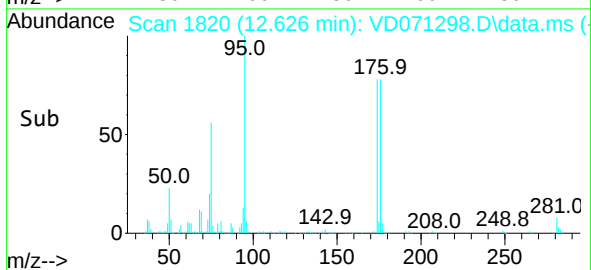
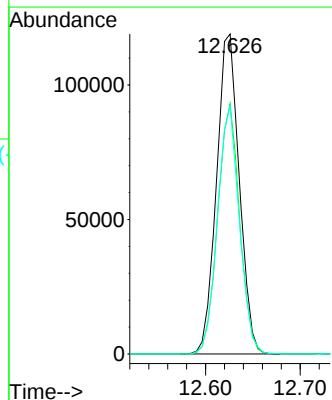
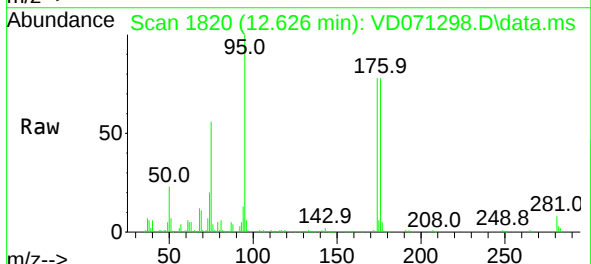
Instrument :
MSVOA_D
ClientSampleId :

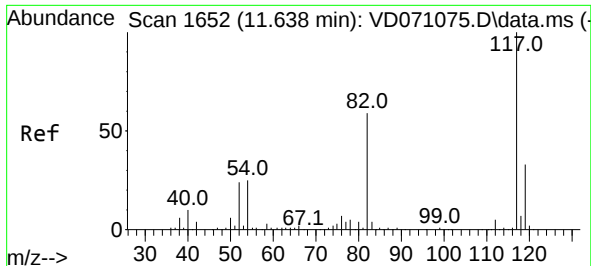
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 67.943 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Tgt Ion: 95 Resp: 198268
Ion Ratio Lower Upper
95 100
174 75.4 0.0 159.4
176 74.4 0.0 154.0

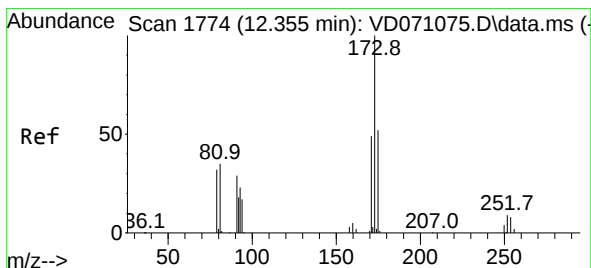
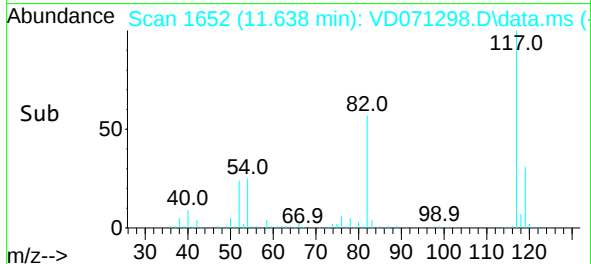
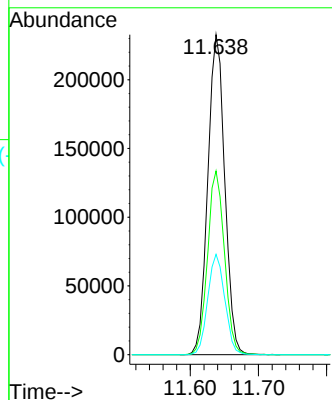
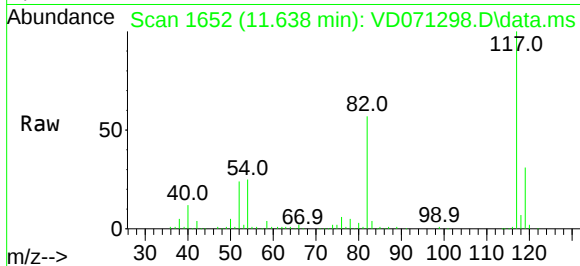




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

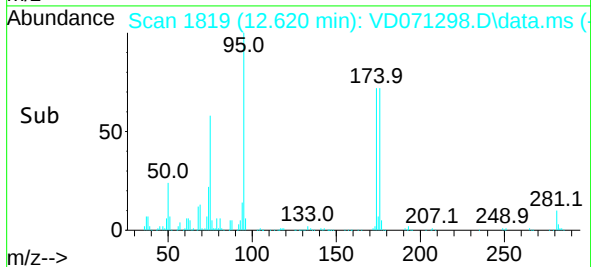
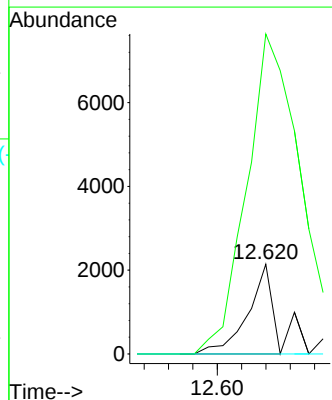
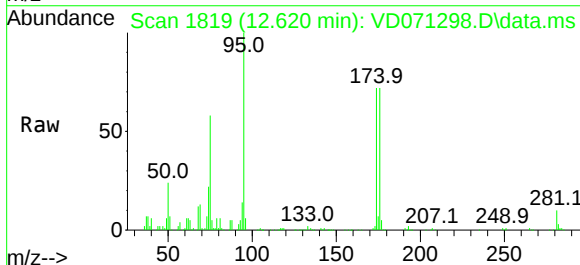
Instrument :
MSVOA_D
ClientSampleId :

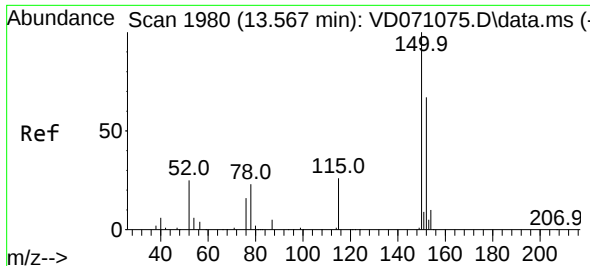
Tgt Ion:117 Resp: 402517
Ion Ratio Lower Upper
117 100
82 57.4 44.7 67.1
119 31.3 26.2 39.4



#71
Bromoform
Concen: 1.030 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Tgt Ion:173 Resp: 1455
Ion Ratio Lower Upper
173 100
175 681.4 24.1 72.2#
254 0.0 0.1 0.1#

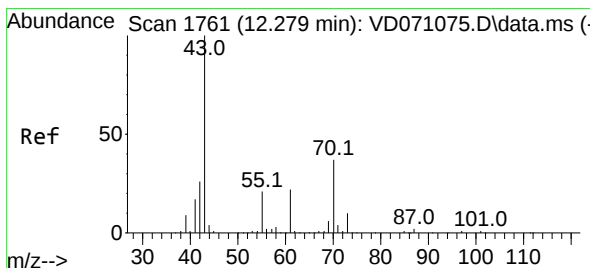
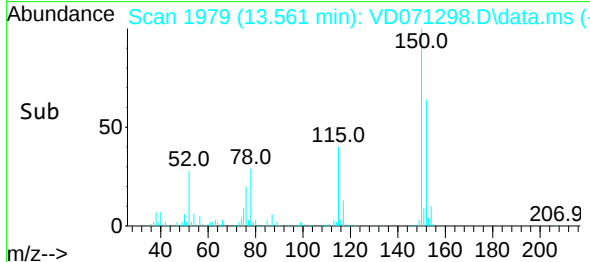
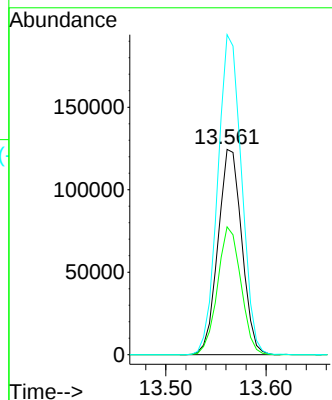
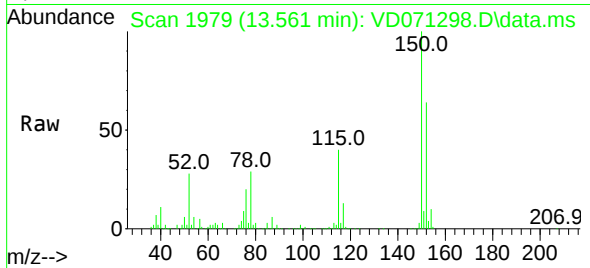




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

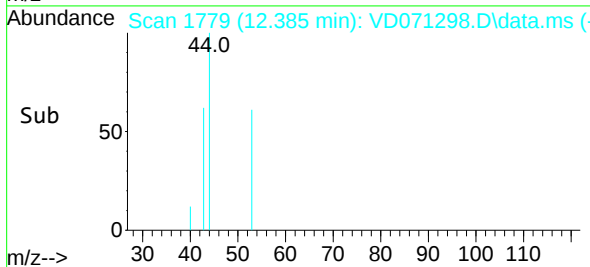
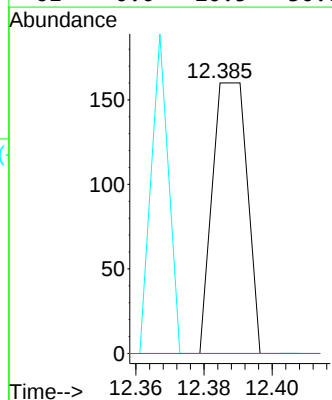
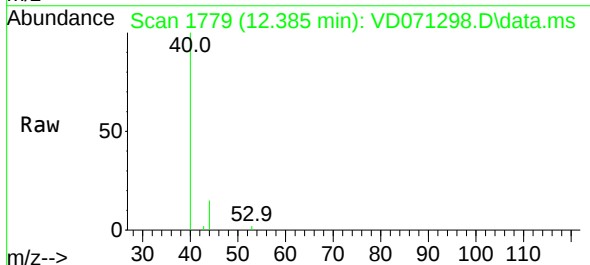
Instrument :
MSVOA_D
ClientSampleId :

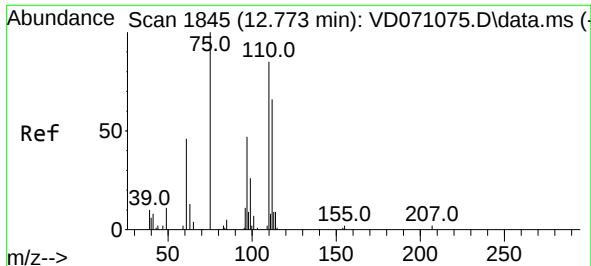
Tgt Ion:152 Resp: 205128
Ion Ratio Lower Upper
152 100
115 61.2 29.8 89.3
150 156.0 0.0 349.2



#74
N-ethyl acetate
Concen: 5.726 ug/l
RT: 12.385 min Scan# 1779
Delta R.T. 0.106 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 59.3 22.5 33.7#
61 0.0 20.5 30.7#

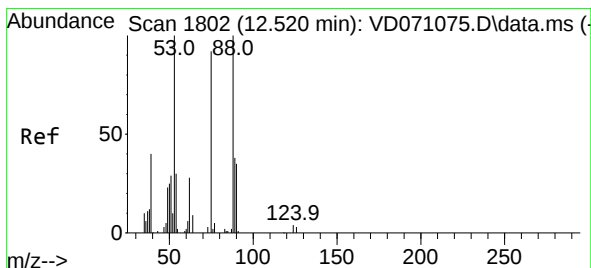
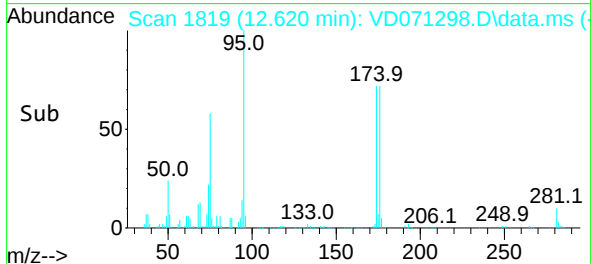
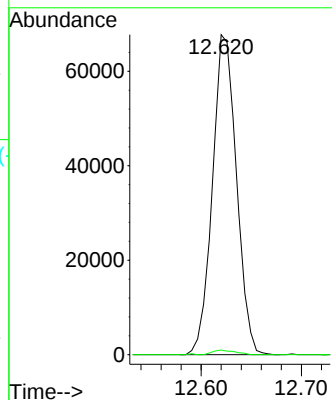
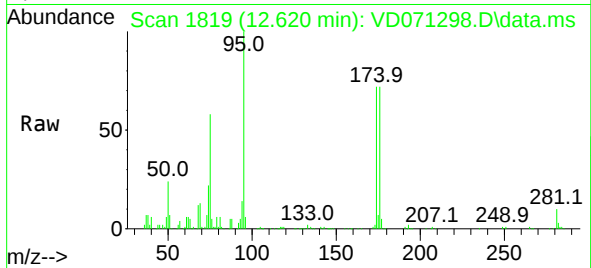




#76
1,2,3-Trichloropropane
Concen: 57.608 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 112588
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.956 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071298.D
Acq: 13 Dec 2021 15:59

Tgt Ion: 75 Resp: 112588
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.1 34.5 51.7#

