

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071237.D
 Acq On : 09 Dec 2021 19:21
 Operator : VA/SY
 Sample : M4967-07
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:47:47 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)

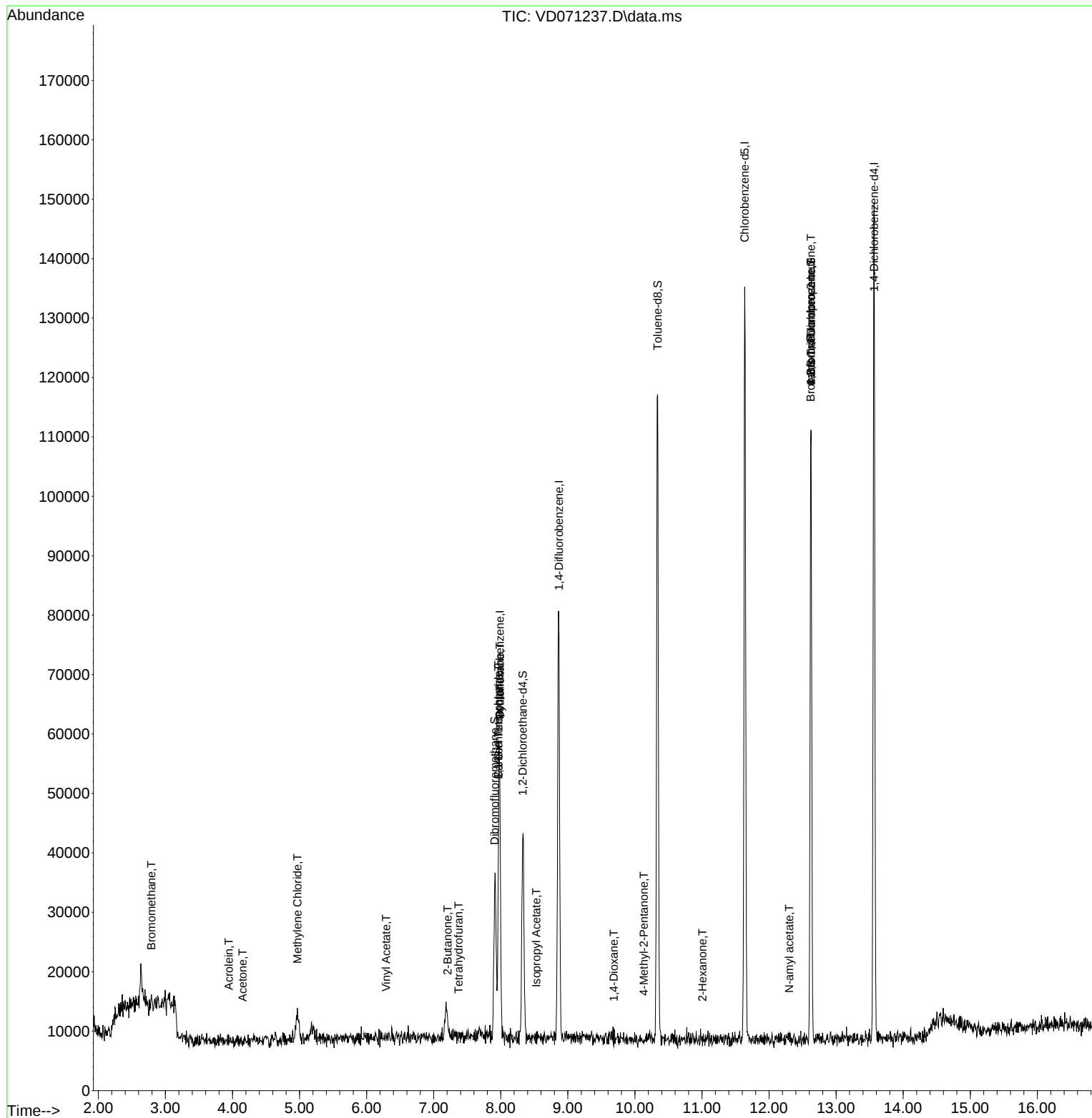
Internal Standards						
1) Pentafluorobenzene	7.985	168	33466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	56996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	66306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	35439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	27277	69.463	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.920%			
35) Dibromofluoromethane	7.908	113	18989	52.319	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.640%			
50) Toluene-d8	10.337	98	72642	52.594	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.180%			
62) 4-Bromofluorobenzene	12.625	95	33081	69.096	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 138.200%			
Target Compounds					Qvalue	
5) Bromomethane	2.791	94	466	1.535	ug/l	96
11) Tert butyl alcohol	5.191	59	976	Below Cal	#	71
13) Acrolein	3.944	56	55	2.050	ug/l #	13
16) Acetone	4.149	43	594	35.791	ug/l #	40
20) Methylene Chloride	4.967	84	3140	4.089	ug/l #	76
23) Vinyl Acetate	6.290	43	65	27.309	ug/l #	72
25) 2-Butanone	7.208	43	285	30.457	ug/l #	45
29) Tetrahydrofuran	7.373	42	72	1.155	ug/l #	34
31) Cyclohexane	7.985	56	1407	2.106	ug/l #	59
36) 1,1-Dichloropropene	7.967	75	3264	6.127	ug/l #	49
38) Carbon Tetrachloride	7.967	117	1711	3.258	ug/l #	12
41) Methacrylonitrile	7.514	41	169	Below Cal	#	39
43) Isopropyl Acetate	8.532	43	251	5.667	ug/l #	47
49) 1,4-Dioxane	9.684	88	65	34.107	ug/l #	23
51) 4-Methyl-2-Pentanone	10.131	43	54	30.834	ug/l #	34
59) 2-Hexanone	11.008	43	60	34.838	ug/l #	22
71) Bromoform	12.620	173	304	1.306	ug/l #	1
74) N-amyl acetate	12.302	43	74	5.794	ug/l #	40
76) 1,2,3-Trichloropropane	12.625	75	18126	53.683	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	18126	116.836	ug/l #	18

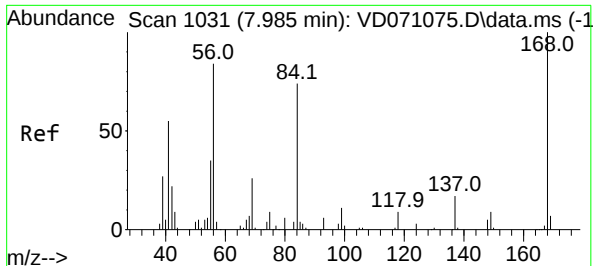
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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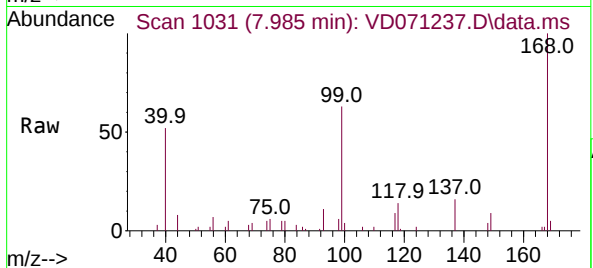
Quant Time: Dec 10 06:47:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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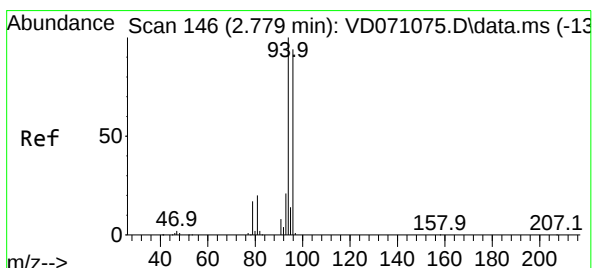
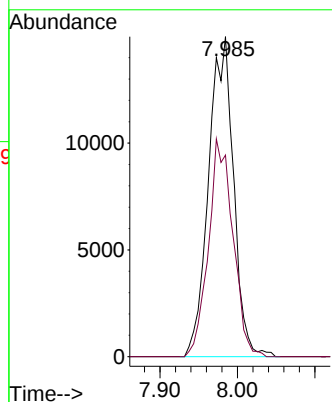
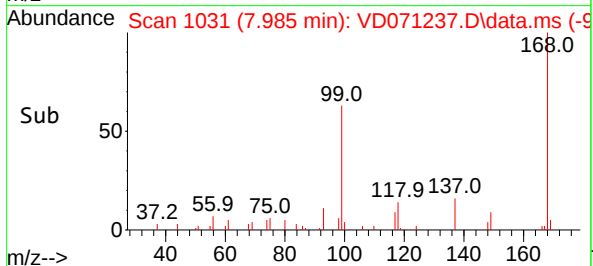


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Instrument :
MSVOA_D
ClientSampleId :

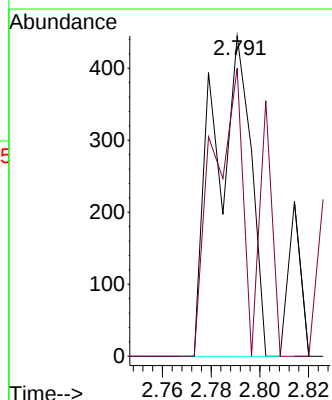
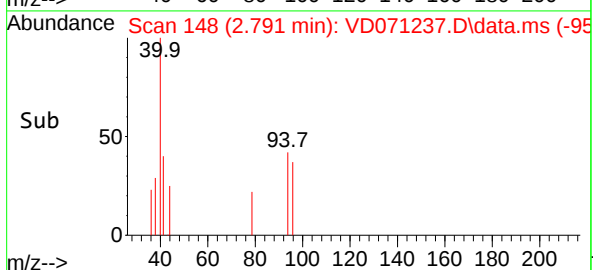
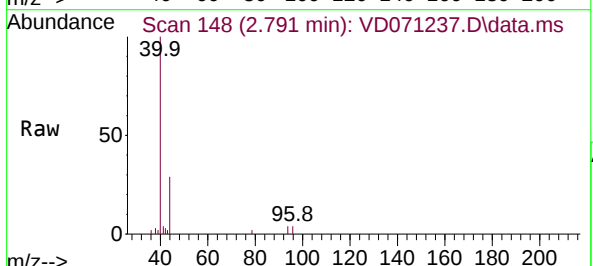


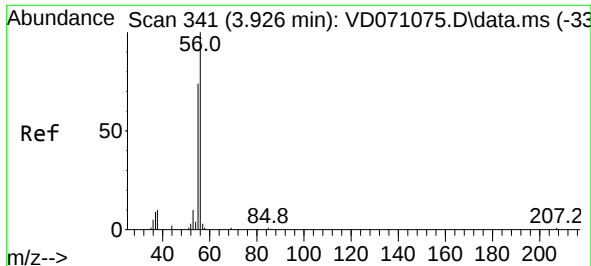
Tgt Ion:168 Resp: 33466
Ion Ratio Lower Upper
168 100
99 63.0 46.6 69.8



#5
Bromomethane
Concen: 1.535 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.012 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Tgt Ion: 94 Resp: 466
Ion Ratio Lower Upper
94 100
96 89.9 74.8 112.2

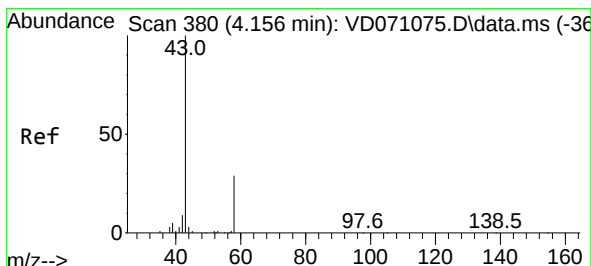
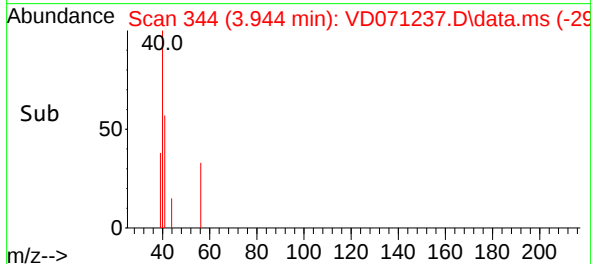
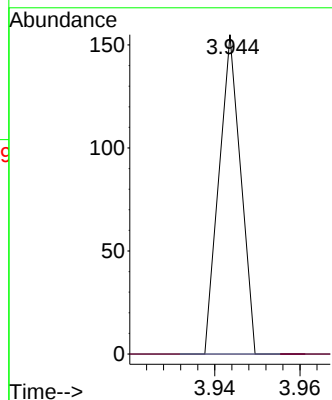
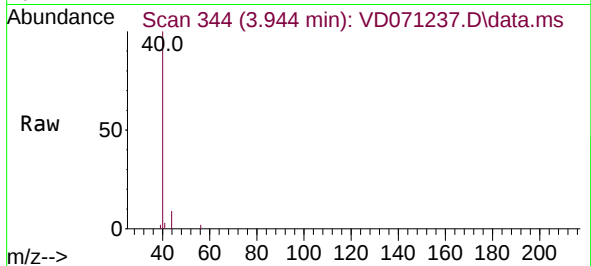




#13
Acrolein
Concen: 2.050 ug/l
RT: 3.944 min Scan# 341
Delta R.T. 0.018 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

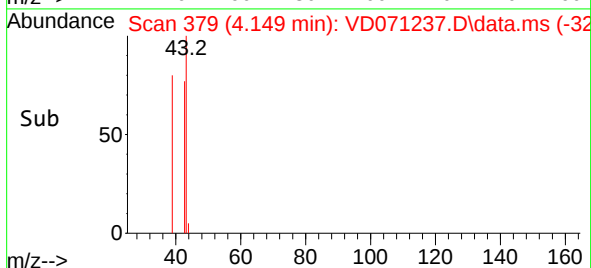
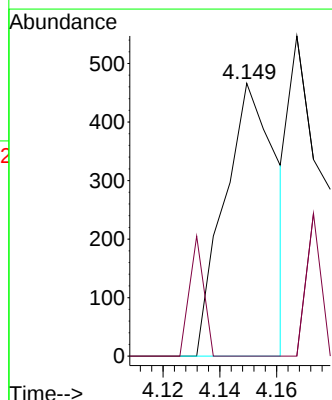
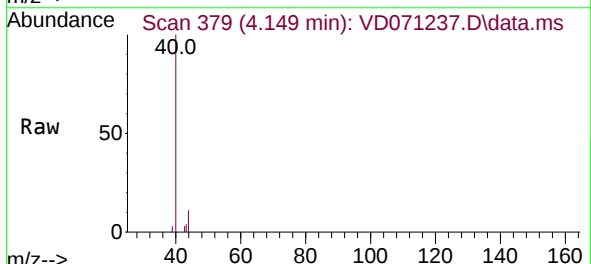
Instrument :
MSVOA_D
ClientSampleId :

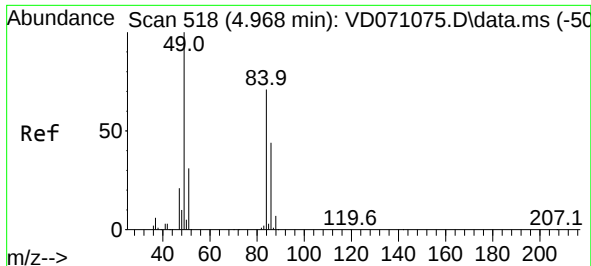
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 35.791 ug/l
RT: 4.149 min Scan# 379
Delta R.T. -0.007 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

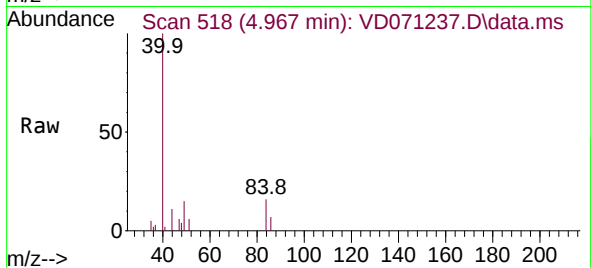
Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



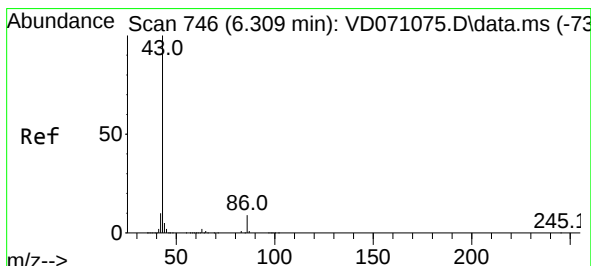
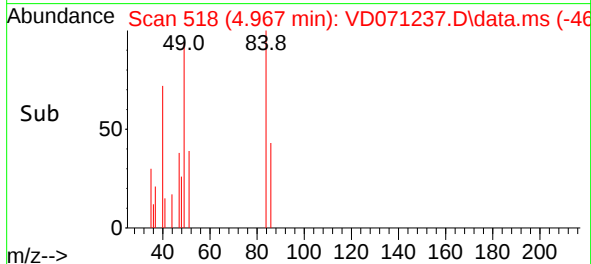
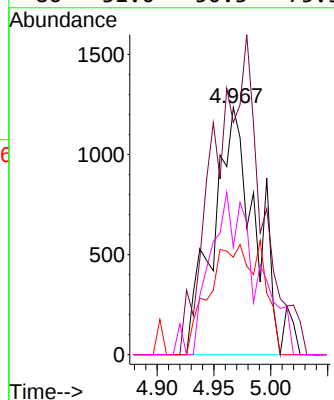


#20
Methylene Chloride
Concen: 4.089 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Instrument :
MSVOA_D
ClientSampleId :

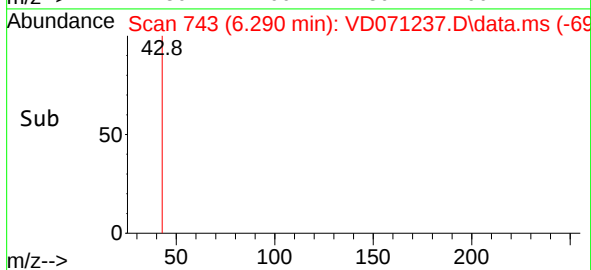
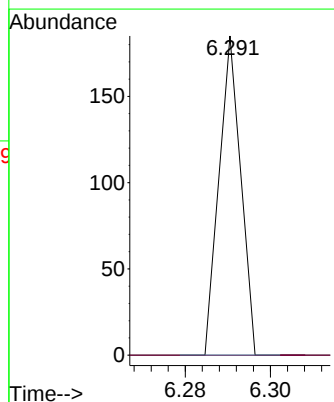
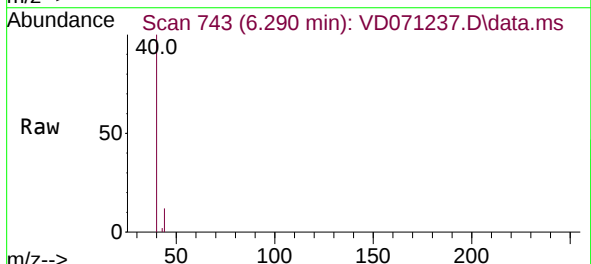


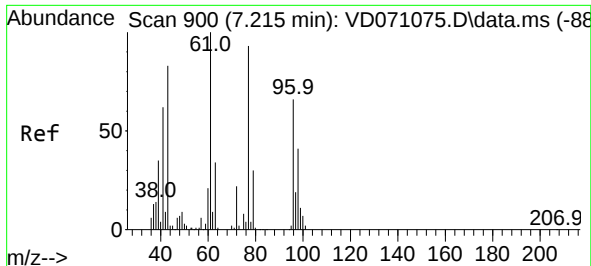
Tgt Ion: 84 Resp: 3140
Ion Ratio Lower Upper
84 100
49 94.0 95.8 143.6#
51 39.4 30.9 46.3
86 31.0 50.3 75.5#



#23
Vinyl Acetate
Concen: 27.309 ug/l
RT: 6.290 min Scan# 743
Delta R.T. -0.019 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

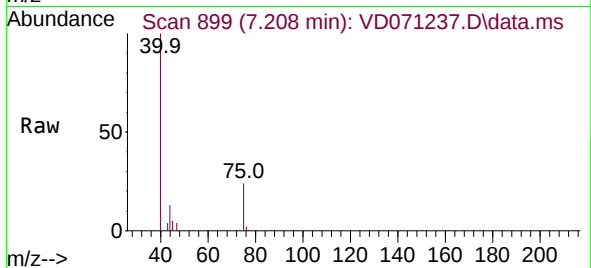
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



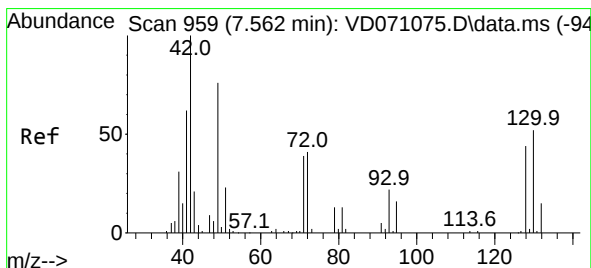
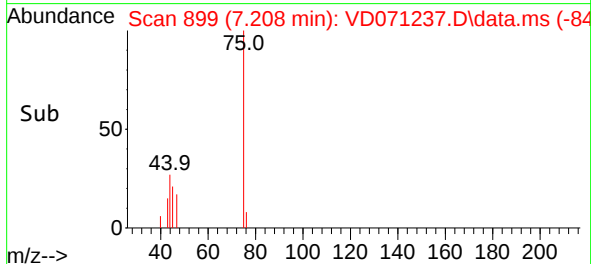
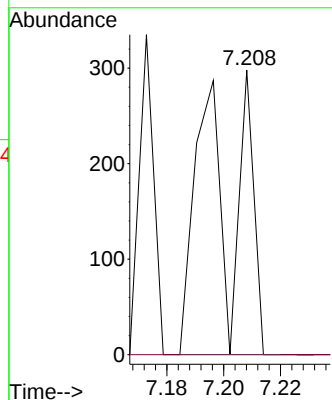


#25
2-Butanone
Concen: 30.457 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.007 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Instrument :
MSVOA_D
ClientSampleId :

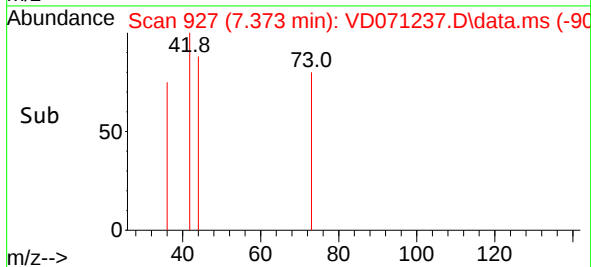
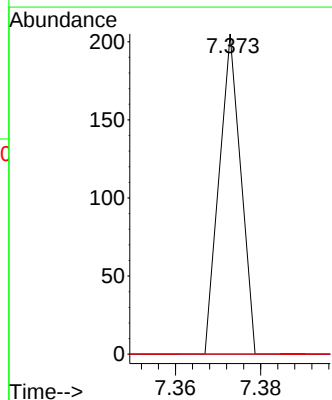
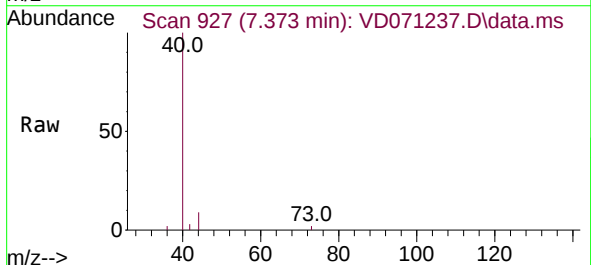


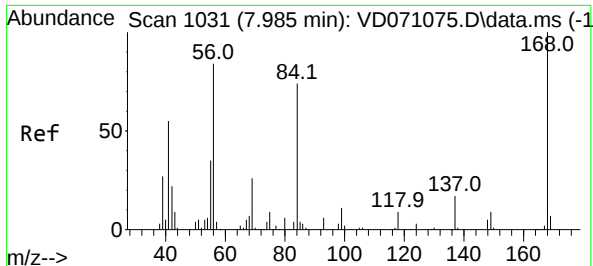
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.155 ug/l
RT: 7.373 min Scan# 927
Delta R.T. -0.189 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

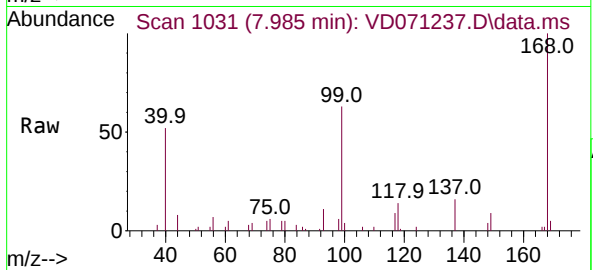
Tgt Ion: 42 Resp: 72
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



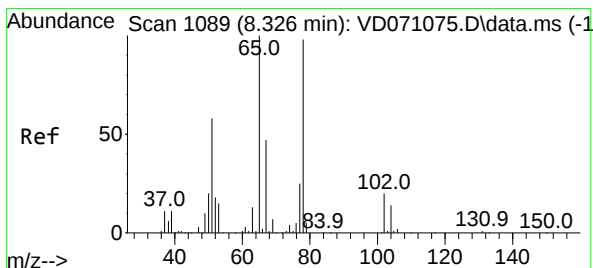
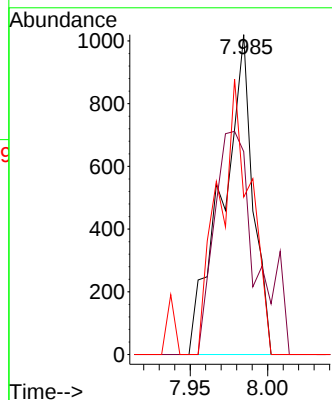
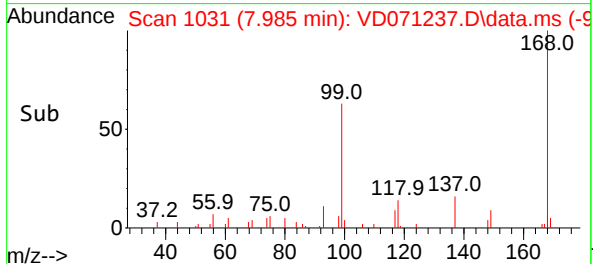


#31
Cyclohexane
Concen: 2.106 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Instrument :
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ClientSampleId :

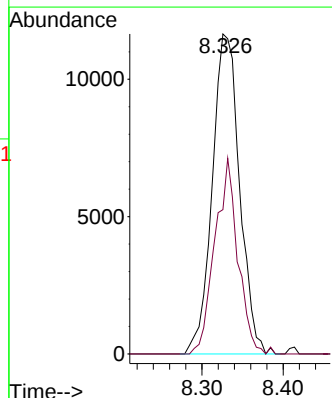
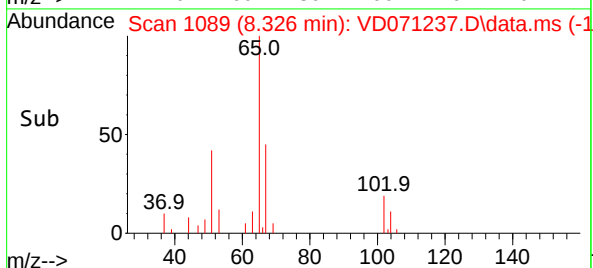
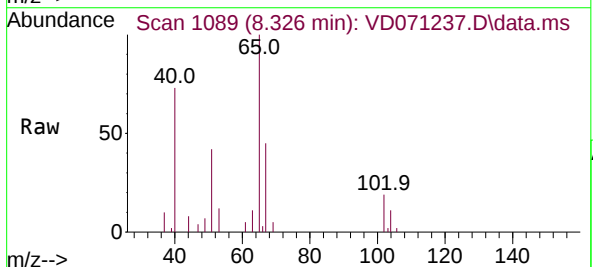


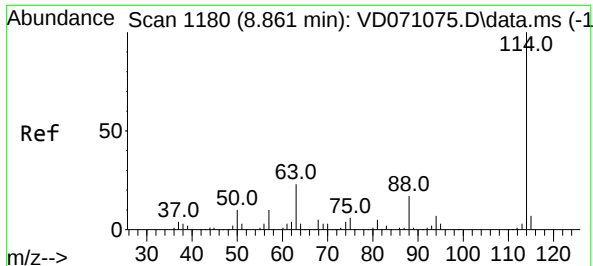
Tgt Ion: 56 Resp: 1407
Ion Ratio Lower Upper
56 100
69 63.4 25.9 38.9#
84 49.2 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 69.463 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Tgt Ion: 65 Resp: 27277
Ion Ratio Lower Upper
65 100
67 51.2 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD071237.D

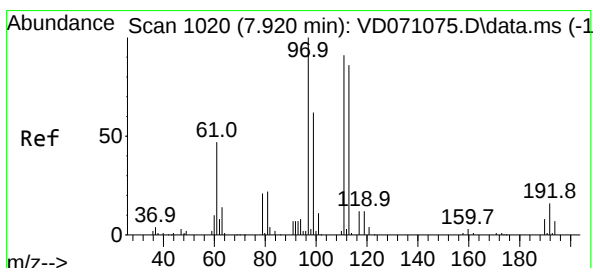
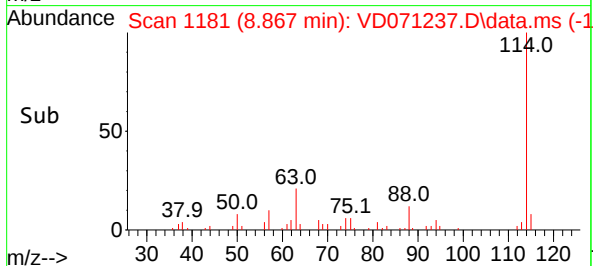
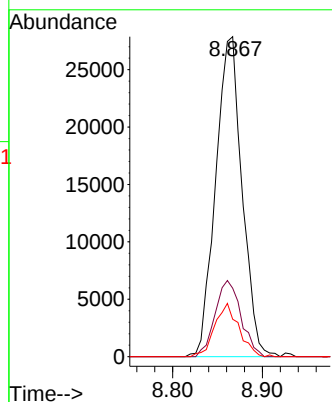
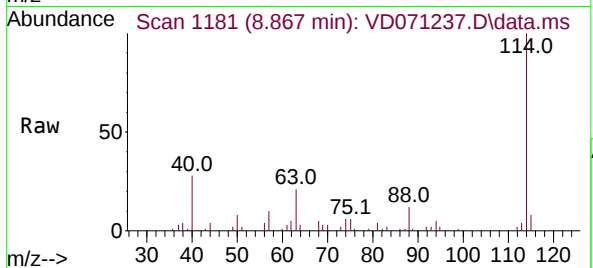
Acq: 09 Dec 2021 19:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	56996
Ion Ratio	Lower	Upper
114	100	
63	21.4	0.0 41.8
88	11.7	0.0 32.8



#35

Dibromofluoromethane

Concen: 52.319 ug/l

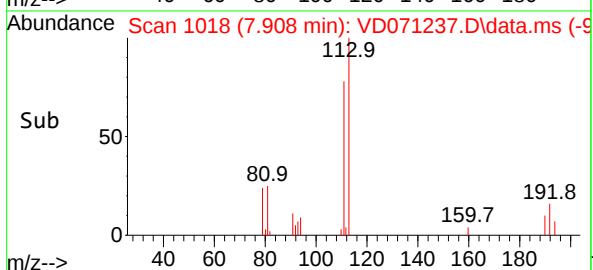
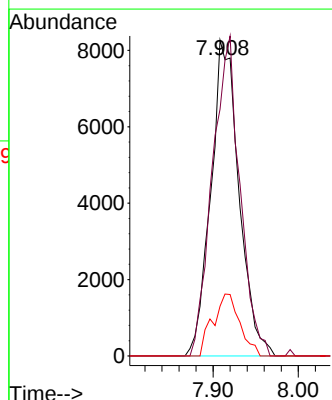
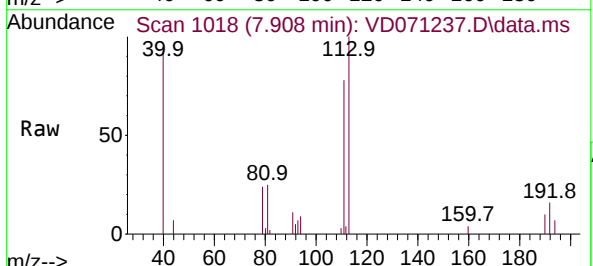
RT: 7.908 min Scan# 1018

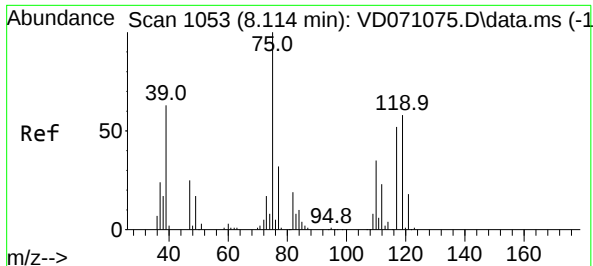
Delta R.T. -0.012 min

Lab File: VD071237.D

Acq: 09 Dec 2021 19:21

Tgt Ion:113	Resp:	18989
Ion Ratio	Lower	Upper
113	100	
111	99.1	82.0 123.0
192	18.7	15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.127 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.147 min

Lab File: VD071237.D

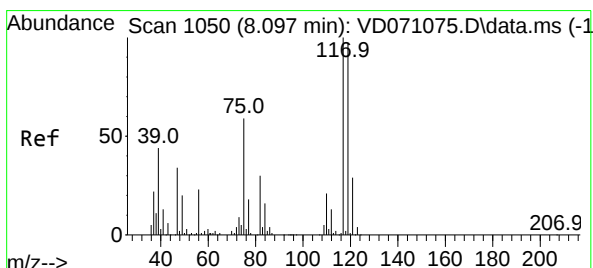
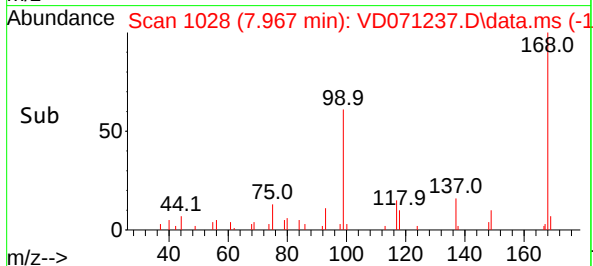
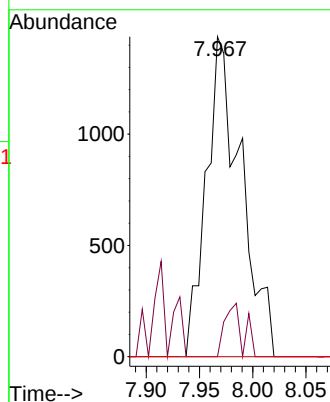
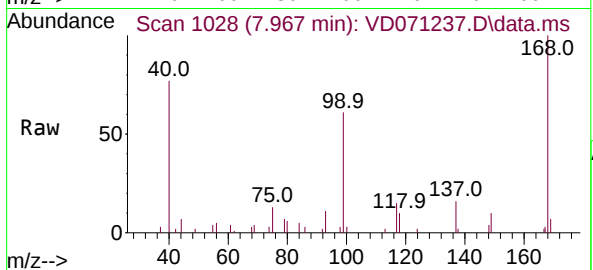
Acq: 09 Dec 2021 19:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 3264
Ion Ratio	Lower Upper
75	100
110	8.6 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 3.258 ug/l

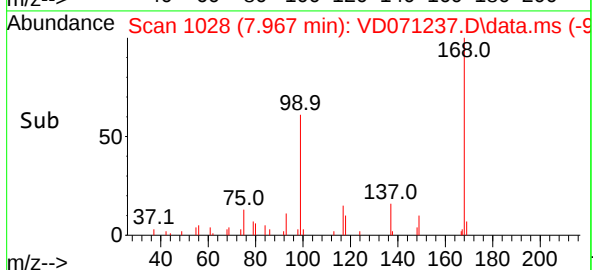
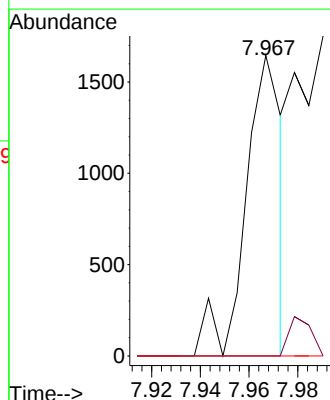
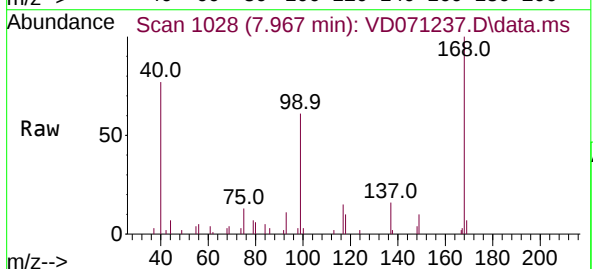
RT: 7.967 min Scan# 1028

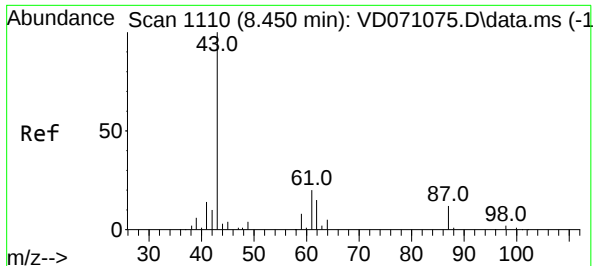
Delta R.T. -0.130 min

Lab File: VD071237.D

Acq: 09 Dec 2021 19:21

Tgt Ion: 117	Resp: 1711
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 23.6 35.4#

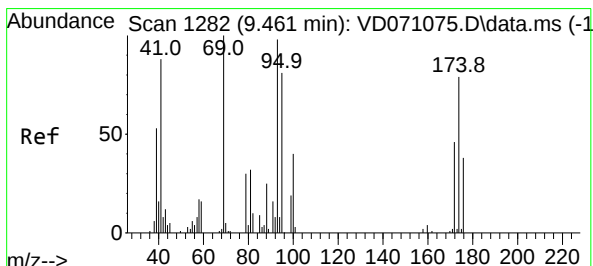
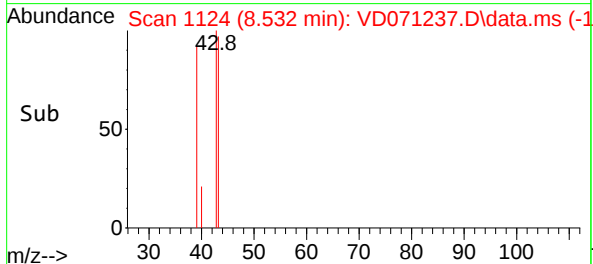
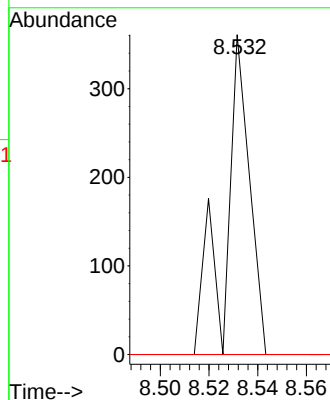
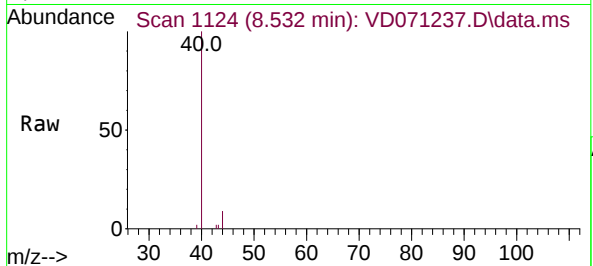




#43
Isopropyl Acetate
Concen: 5.667 ug/l
RT: 8.532 min Scan# 1110
Delta R.T. 0.082 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

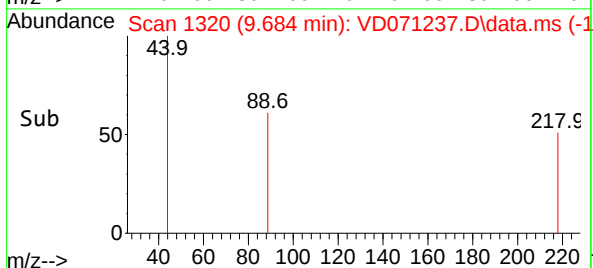
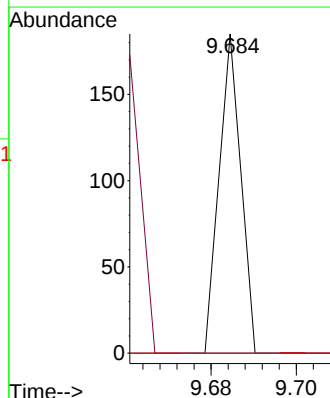
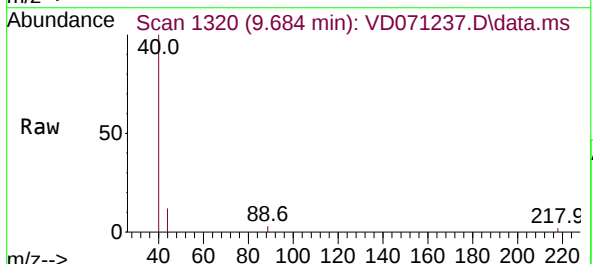
Instrument :
MSVOA_D
ClientSampleId :

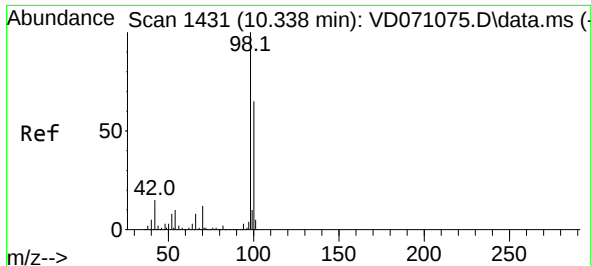
Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#49
1,4-Dioxane
Concen: 34.107 ug/l
RT: 9.684 min Scan# 1320
Delta R.T. 0.223 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#

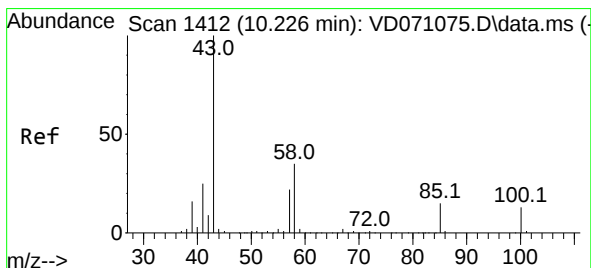
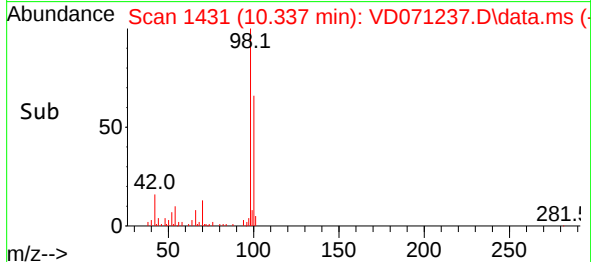
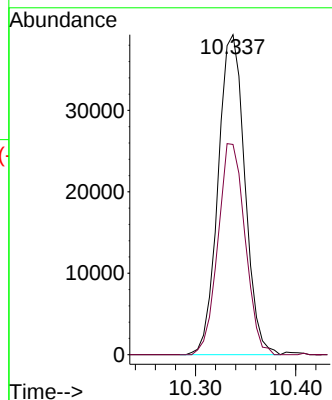
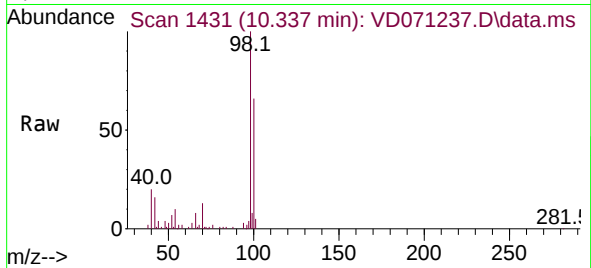




#50
Toluene-d8
Concen: 52.594 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

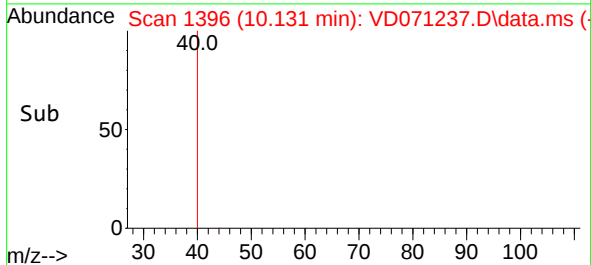
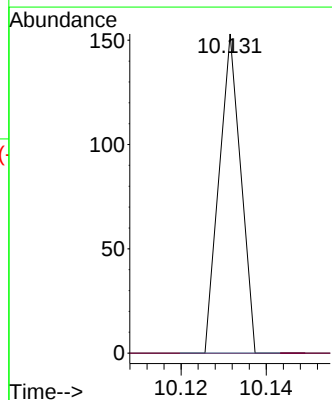
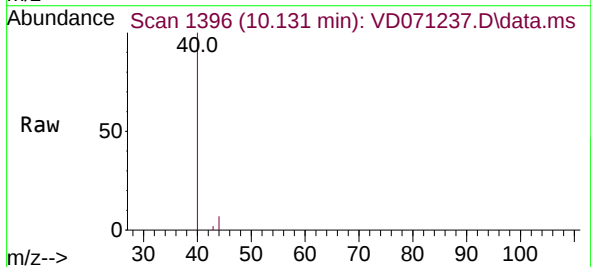
Instrument :
MSVOA_D
ClientSampleId :

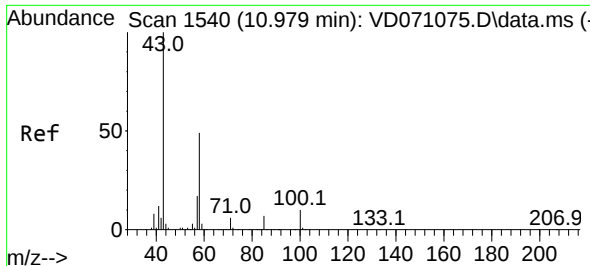
Tgt Ion: 98 Resp: 72642
Ion Ratio Lower Upper
98 100
100 66.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.834 ug/l
RT: 10.131 min Scan# 1396
Delta R.T. -0.095 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

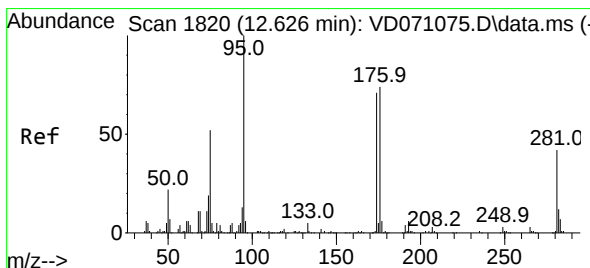
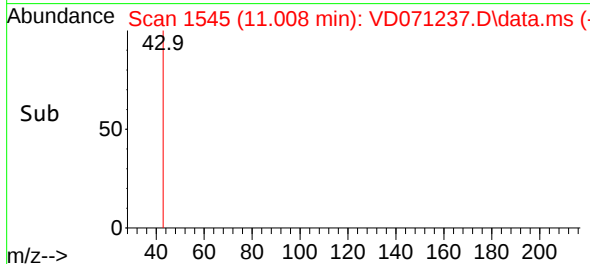
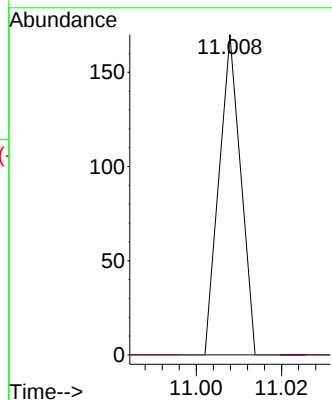
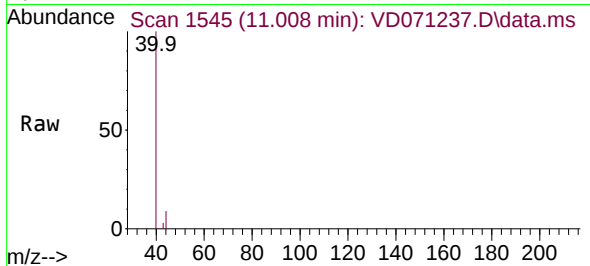




#59
2-Hexanone
Concen: 34.838 ug/l
RT: 11.008 min Scan# 11
Delta R.T. 0.029 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

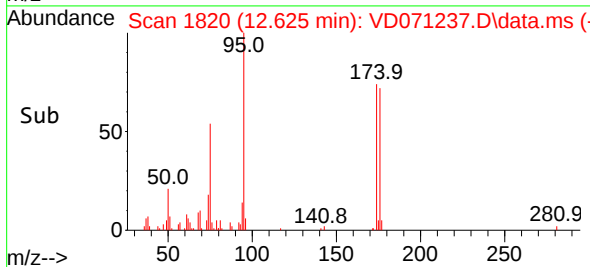
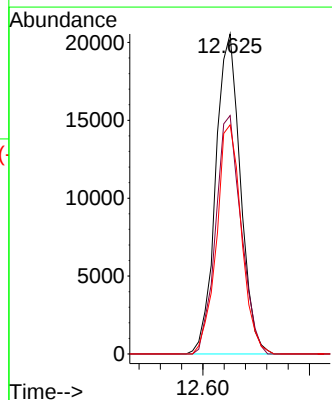
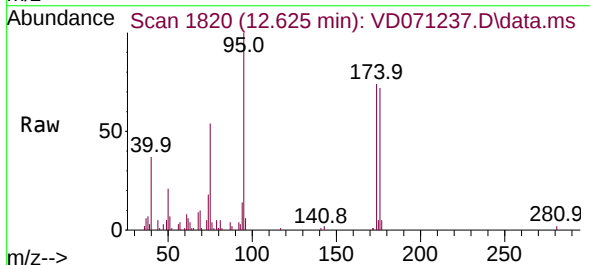
Instrument :
MSVOA_D
ClientSampleId :

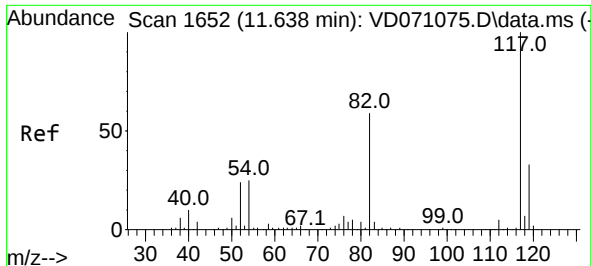
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 69.096 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.001 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Tgt Ion: 95 Resp: 33081
Ion Ratio Lower Upper
95 100
174 76.3 0.0 159.4
176 71.9 0.0 154.0

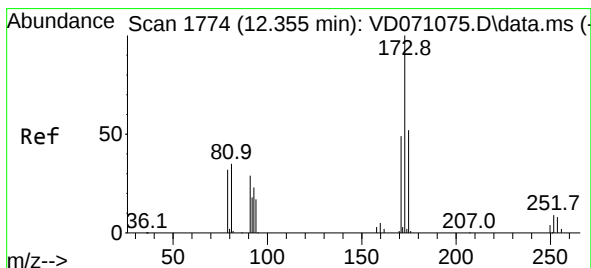
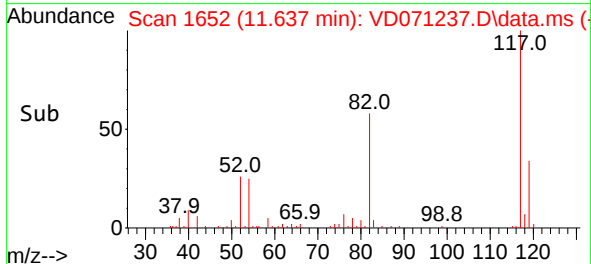
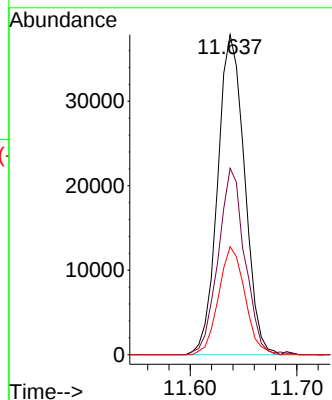
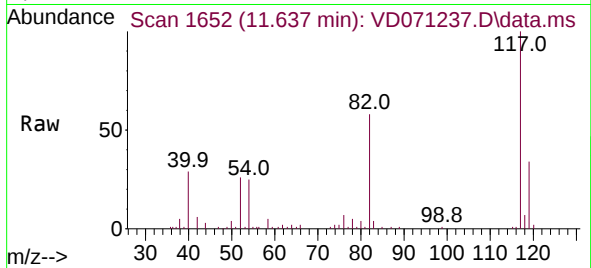




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

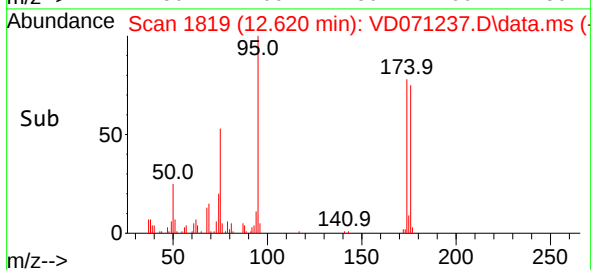
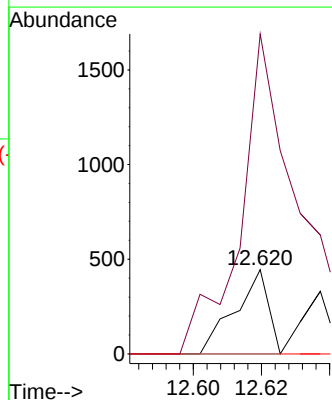
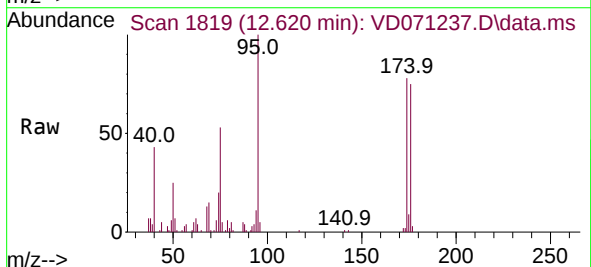
Instrument :
MSVOA_D
ClientSampleId :

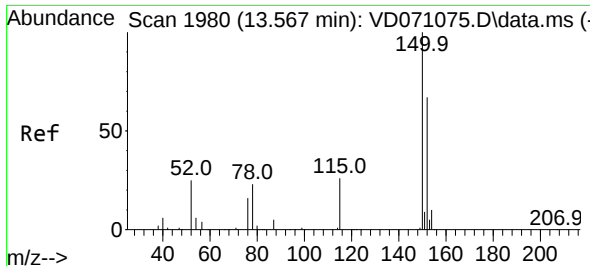
Tgt Ion:117 Resp: 66306
Ion Ratio Lower Upper
117 100
82 58.2 44.7 67.1
119 33.8 26.2 39.4



#71
Bromoform
Concen: 1.306 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

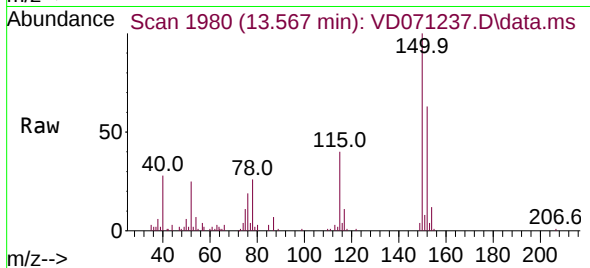
Tgt Ion:173 Resp: 304
Ion Ratio Lower Upper
173 100
175 538.8 24.1 72.2#
254 0.0 0.1 0.1#



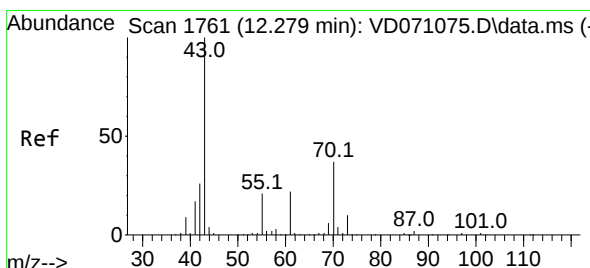
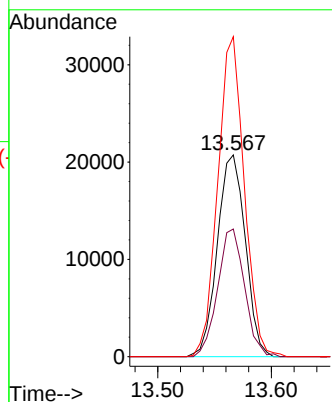
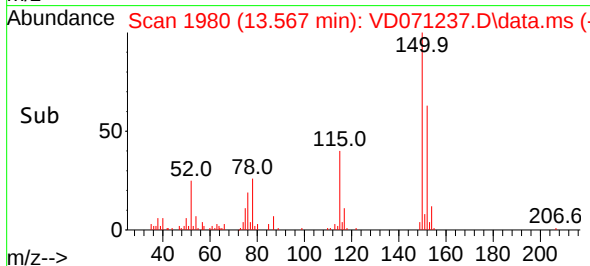


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

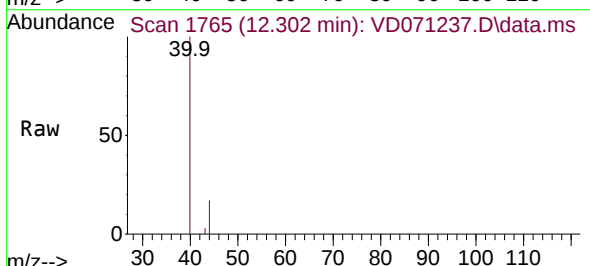
Instrument :
MSVOA_D
ClientSampleId :



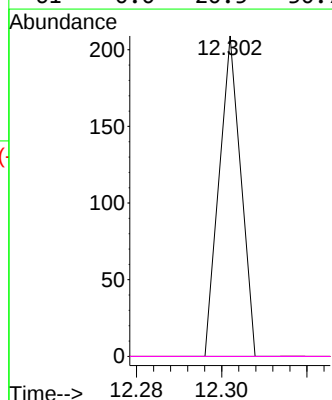
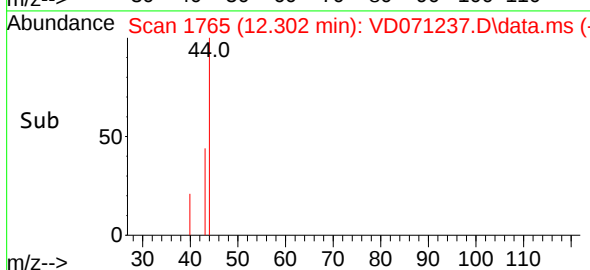
Tgt Ion:152 Resp: 35439
Ion Ratio Lower Upper
152 100
115 60.8 29.8 89.3
150 150.4 0.0 349.2

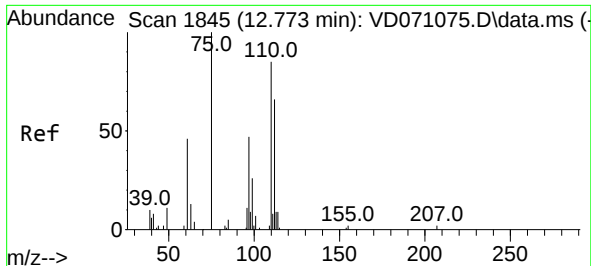


#74
N-ethyl acetate
Concen: 5.794 ug/l
RT: 12.302 min Scan# 1765
Delta R.T. 0.023 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21



Tgt Ion: 43 Resp: 74
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#

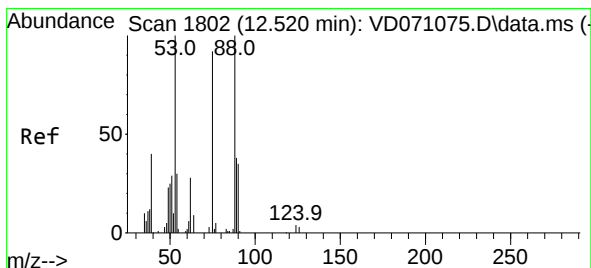
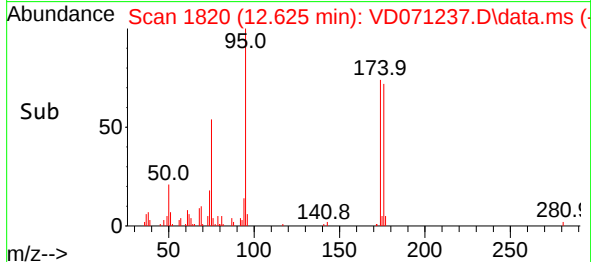
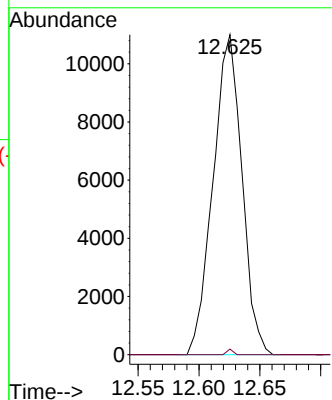
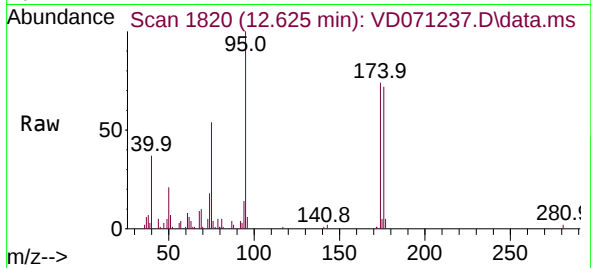




#76
1,2,3-Trichloropropane
Concen: 53.683 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 18126
Ion Ratio Lower Upper
75 100
77 0.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.836 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD071237.D
Acq: 09 Dec 2021 19:21

Tgt Ion: 75 Resp: 18126
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.3 34.5 51.7#

