

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071155.D
 Acq On : 04 Dec 2021 20:36
 Operator : VA/SY
 Sample : M4927-11
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 04:34:18 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)

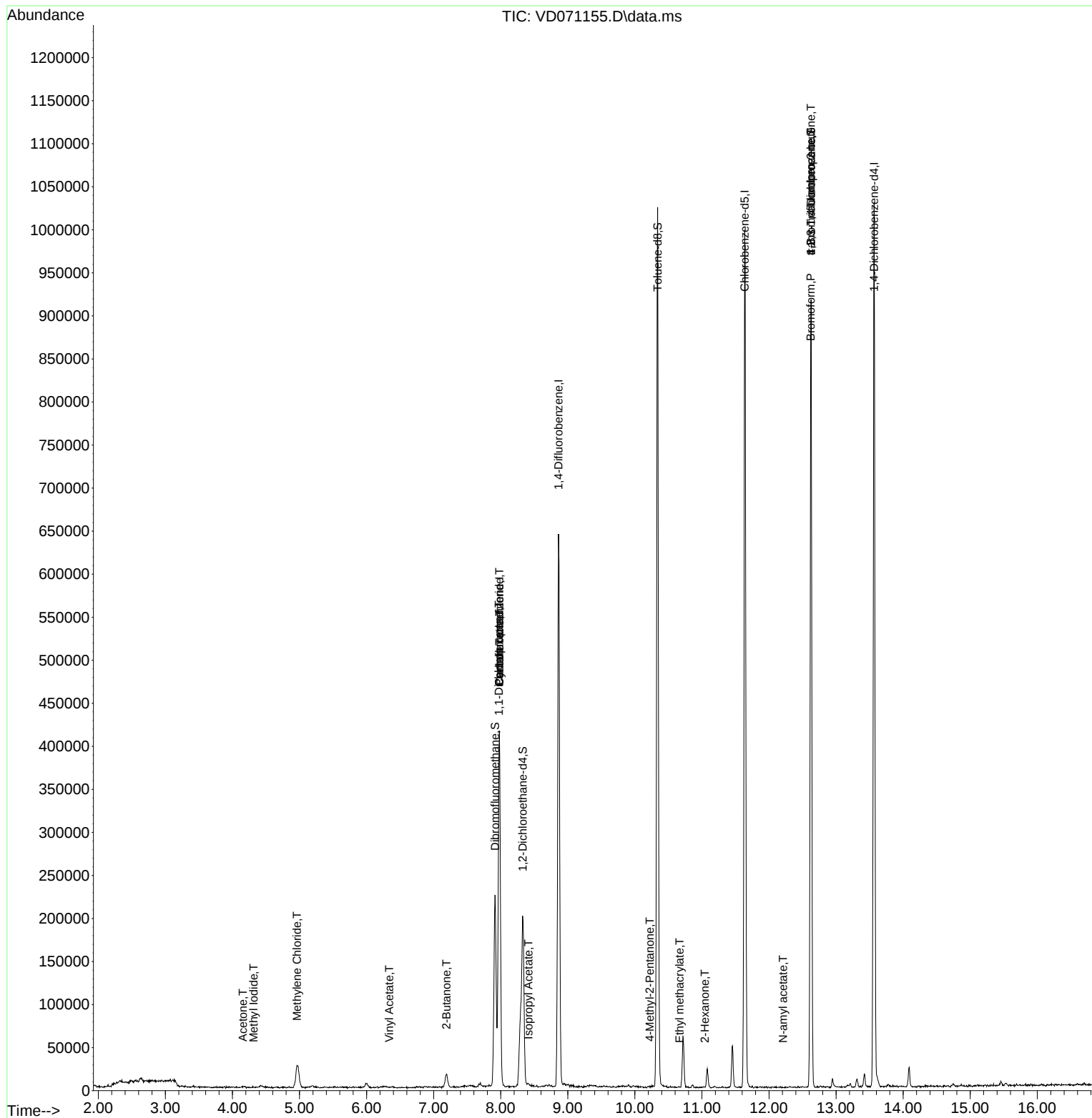
Internal Standards						
1) Pentafluorobenzene	7.979	168	284004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	508674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	528146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	251226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152166	45.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.320%		
35) Dibromofluoromethane	7.914	113	151016	46.622	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.240%		
50) Toluene-d8	10.338	98	652832	52.961	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.920%		
62) 4-Bromofluorobenzene	12.626	95	250973	58.736	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	117.480%		
Target Compounds						Qvalue
10) Methyl Iodide	4.315	142	210	4.618	ug/l #	40
11) Tert butyl alcohol	5.185	59	2352	Below Cal	#	79
16) Acetone	4.156	43	2512	33.285	ug/l #	78
20) Methylene Chloride	4.962	84	19246	1.688	ug/l	95
23) Vinyl Acetate	6.338	43	80	27.231	ug/l #	72
25) 2-Butanone	7.191	43	940	29.174	ug/l #	45
31) Cyclohexane	7.979	56	7902	1.394	ug/l #	36
36) 1,1-Dichloropropene	7.973	75	28091	5.909	ug/l #	51
38) Carbon Tetrachloride	7.979	117	33401	7.127	ug/l #	16
41) Methacrylonitrile	7.544	41	55	Below Cal	#	1
43) Isopropyl Acetate	8.414	43	224	5.267	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	432	30.815	ug/l #	34
56) Ethyl methacrylate	10.667	69	538	6.113	ug/l #	28
59) 2-Hexanone	11.044	43	85	34.616	ug/l #	22
71) Bromoform	12.620	173	2083	1.124	ug/l #	1
74) N-amyl acetate	12.208	43	87	5.717	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	143976	60.151	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	143976	130.217	ug/l #	18

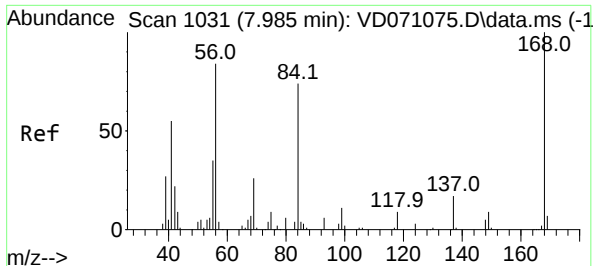
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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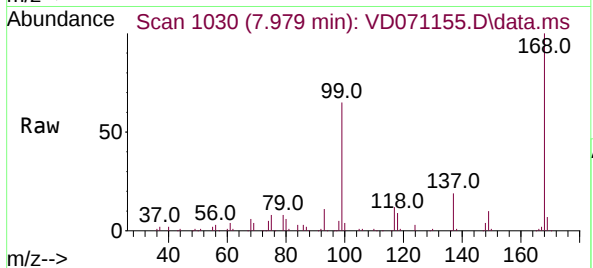
Quant Time: Dec 06 04:34:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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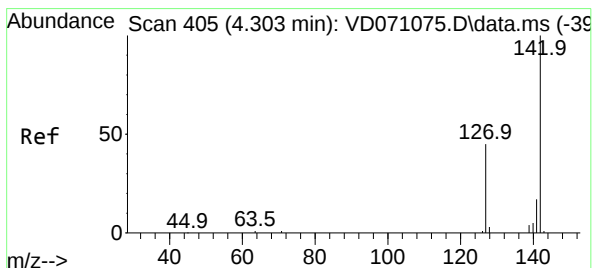
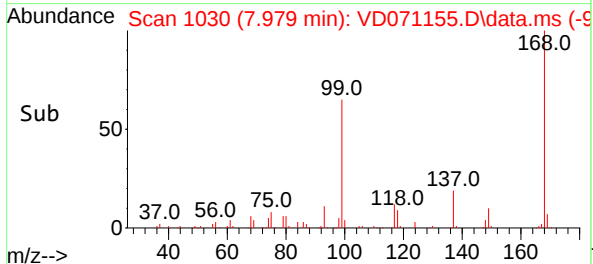
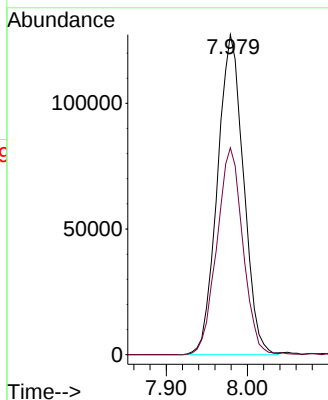


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Instrument :
MSVOA_D
ClientSampleId :

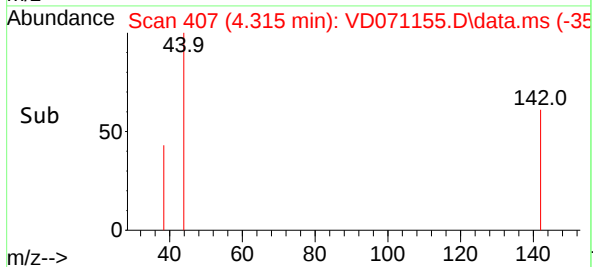
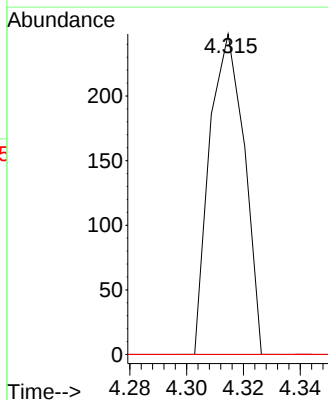
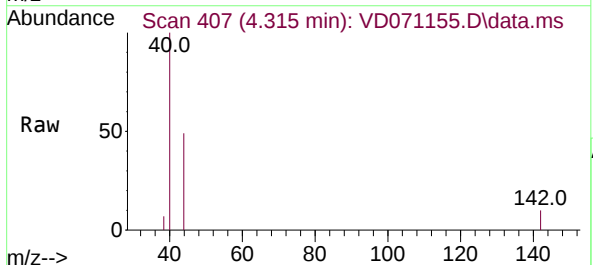


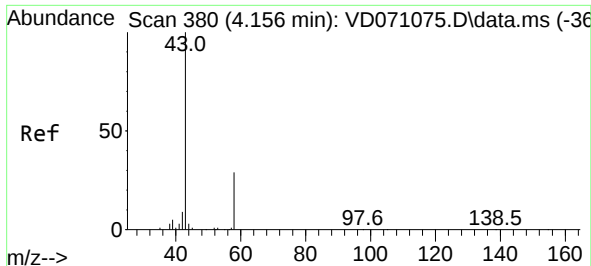
Tgt Ion:168 Resp: 284004
Ion Ratio Lower Upper
168 100
99 64.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.618 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Tgt Ion:142 Resp: 210
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

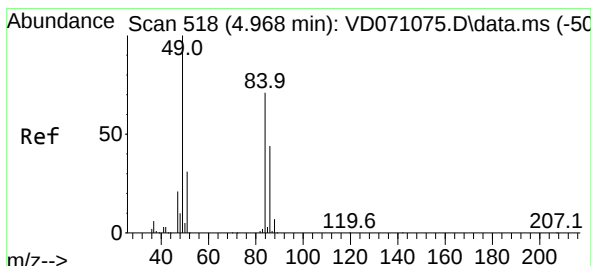
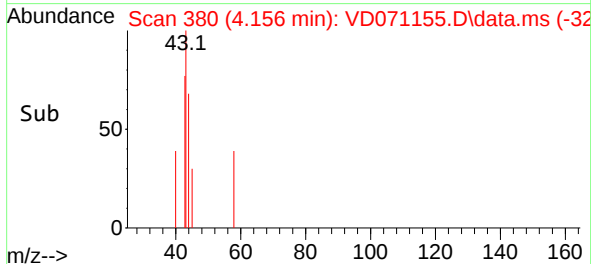
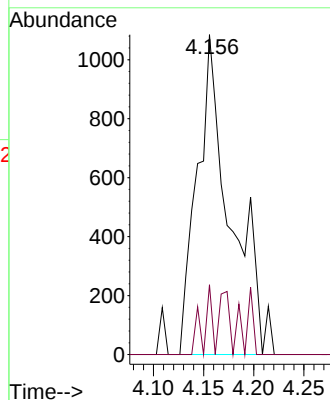
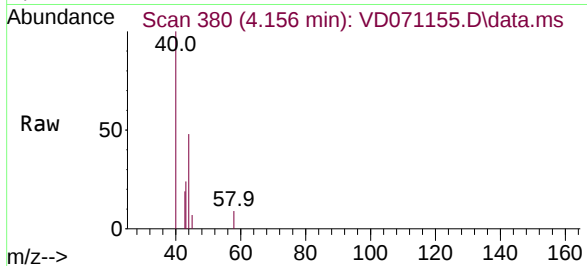




#16
Acetone
Concen: 33.285 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

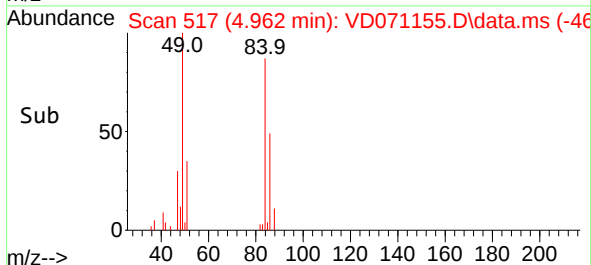
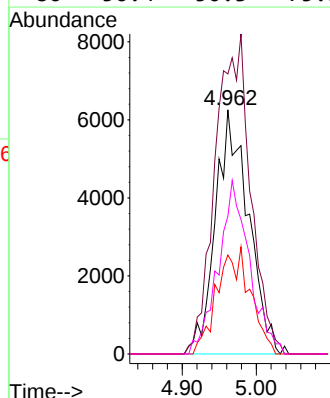
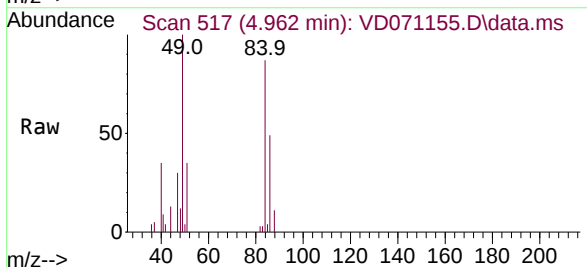
Instrument :
MSVOA_D
ClientSampleId :

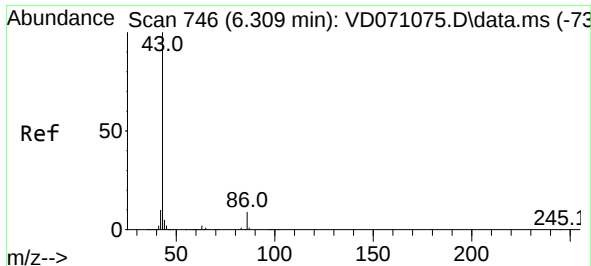
Tgt Ion: 43 Resp: 2512
Ion Ratio Lower Upper
43 100
58 21.8 27.8 41.8#



#20
Methylene Chloride
Concen: 1.688 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Tgt Ion: 84 Resp: 19246
Ion Ratio Lower Upper
84 100
49 114.6 95.8 143.6
51 40.5 30.9 46.3
86 56.4 50.3 75.5

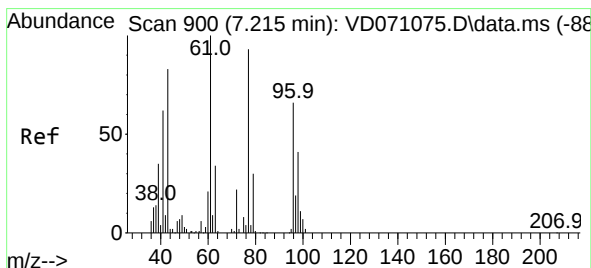
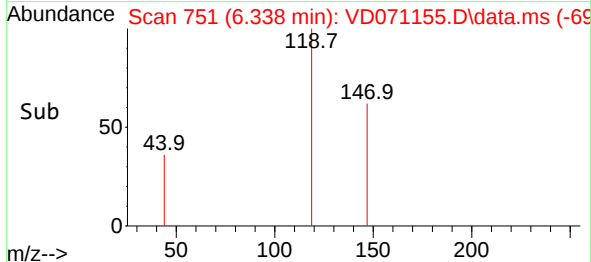
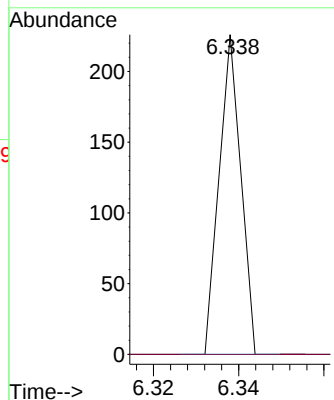
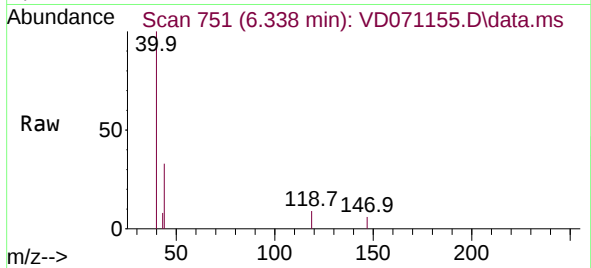




#23
 Vinyl Acetate
 Concen: 27.231 ug/l
 RT: 6.338 min Scan# 71
 Delta R.T. 0.029 min
 Lab File: VD071155.D
 Acq: 04 Dec 2021 20:36

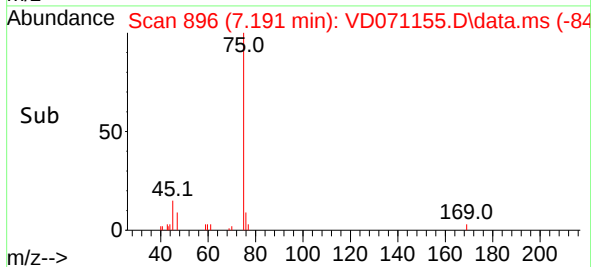
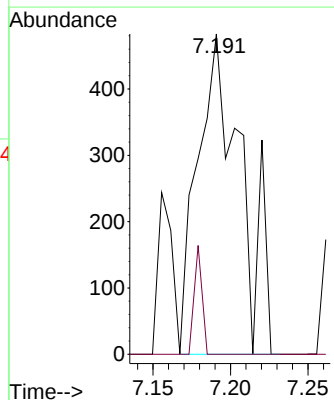
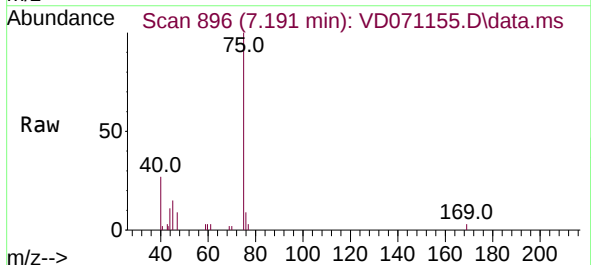
Instrument :
 MSVOA_D
 ClientSampleId :

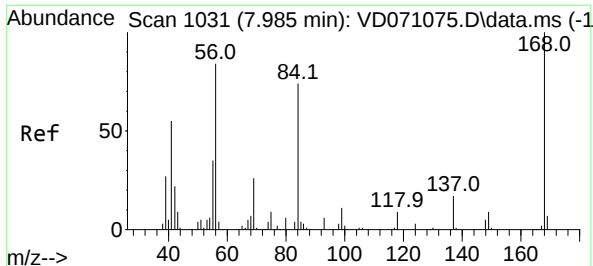
Tgt Ion: 43 Resp: 80
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.174 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.024 min
 Lab File: VD071155.D
 Acq: 04 Dec 2021 20:36

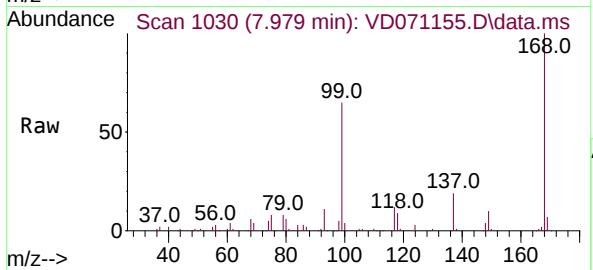
Tgt Ion: 43 Resp: 940
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



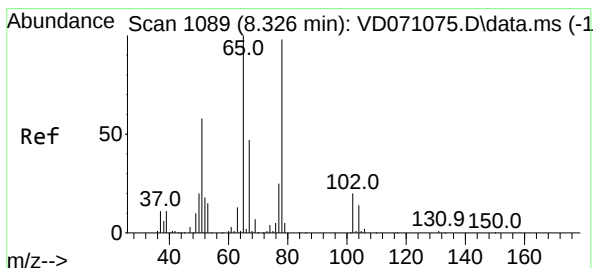
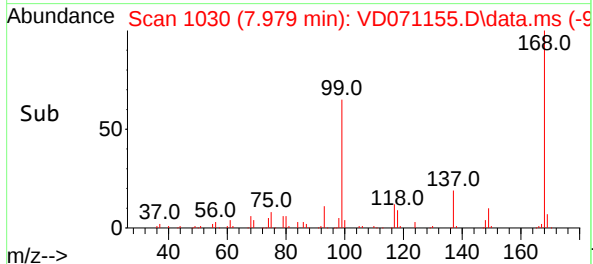
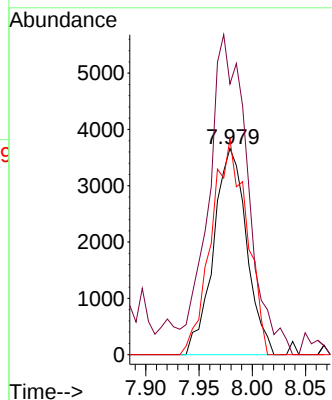


#31
Cyclohexane
Concen: 1.394 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Instrument :
MSVOA_D
ClientSampleId :

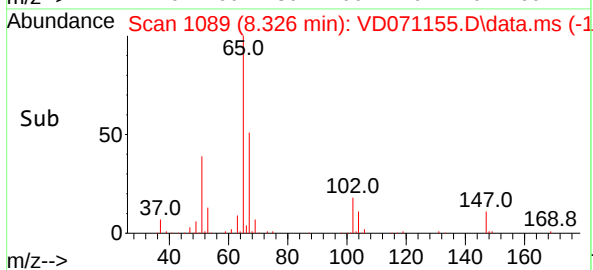
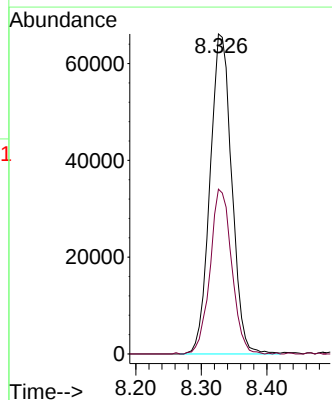
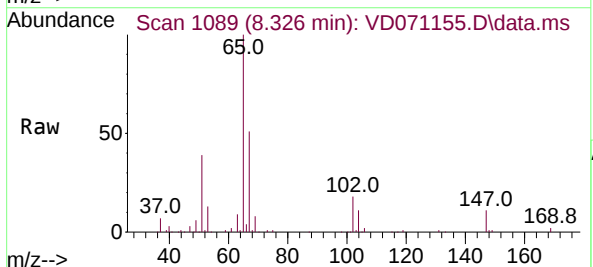


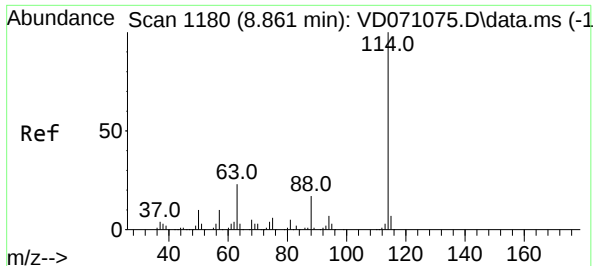
Tgt Ion: 56 Resp: 7902
Ion Ratio Lower Upper
56 100
69 119.0 25.9 38.9#
84 104.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 45.662 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Tgt Ion: 65 Resp: 152166
Ion Ratio Lower Upper
65 100
67 51.3 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: VD071155.D

Acq: 04 Dec 2021 20:36

Instrument :

MSVOA_D

ClientSampleId :

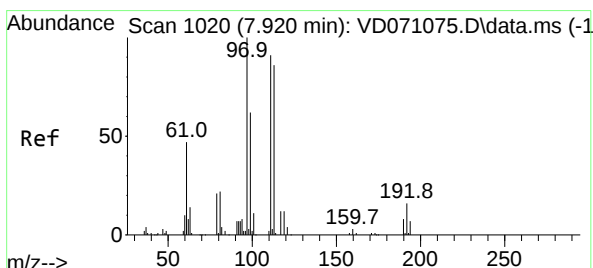
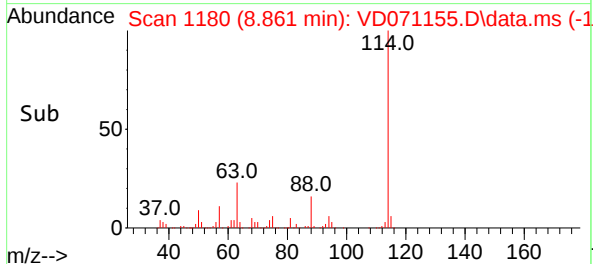
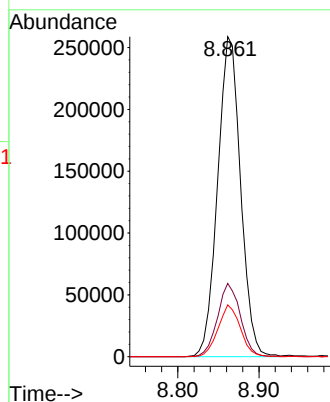
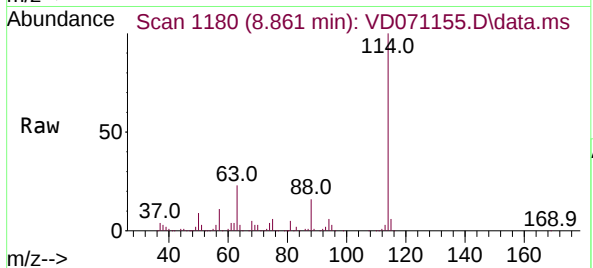
Tgt Ion:114 Resp: 508674

Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.622 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071155.D

Acq: 04 Dec 2021 20:36

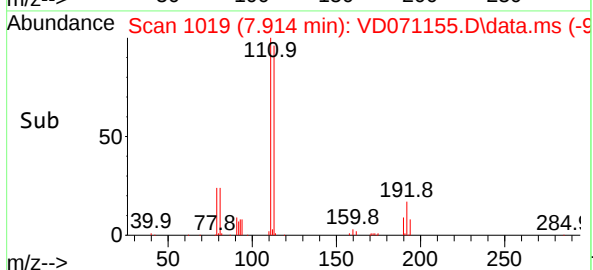
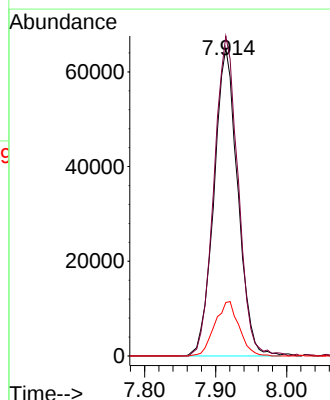
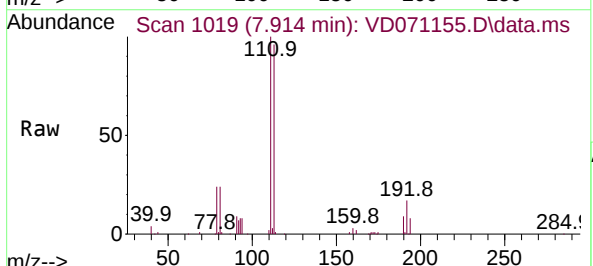
Tgt Ion:113 Resp: 151016

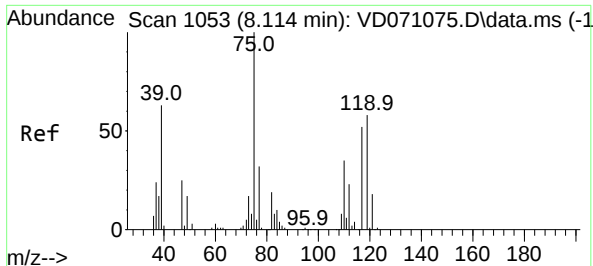
Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

192 18.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.909 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071155.D

Acq: 04 Dec 2021 20:36

Instrument :

MSVOA_D

ClientSampleId :

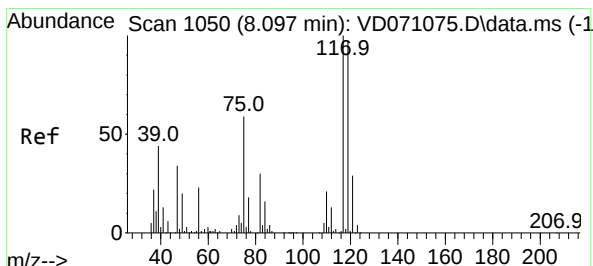
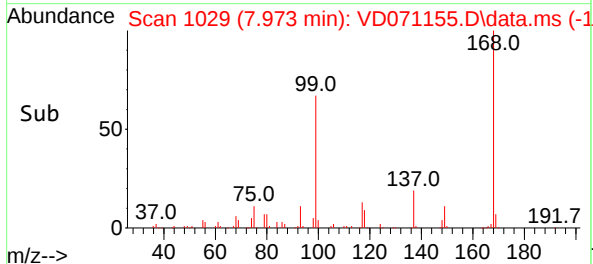
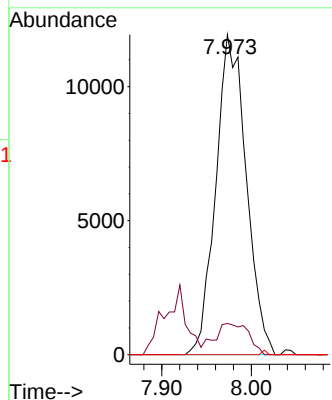
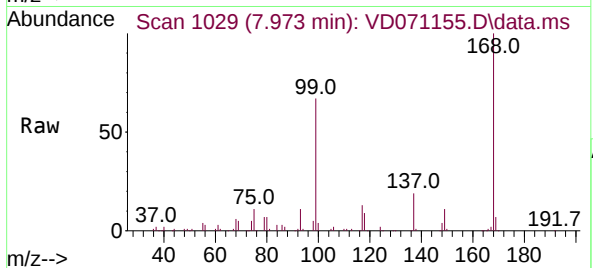
Tgt Ion: 75 Resp: 28091

Ion Ratio Lower Upper

75 100

110 10.9 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.127 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071155.D

Acq: 04 Dec 2021 20:36

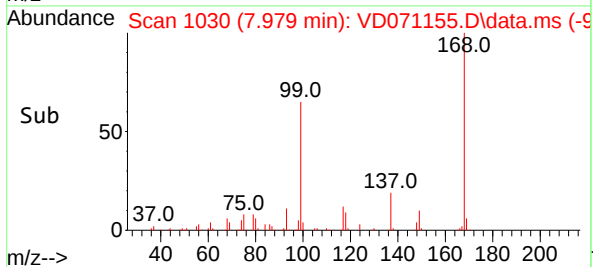
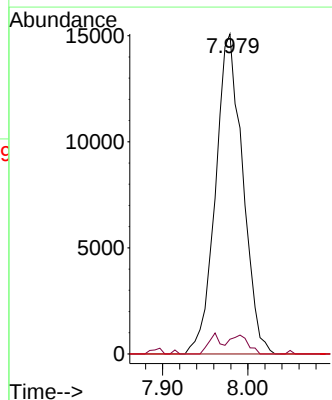
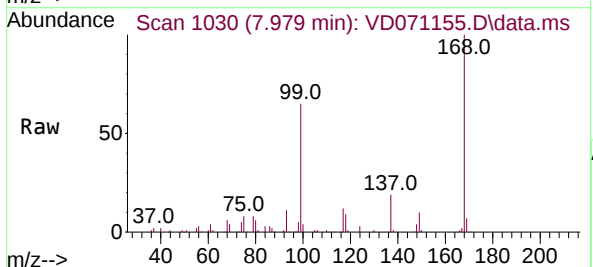
Tgt Ion: 117 Resp: 33401

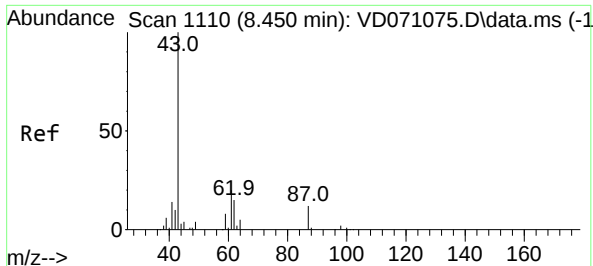
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

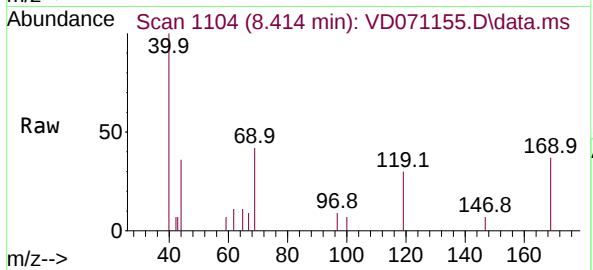
121 0.0 23.6 35.4#



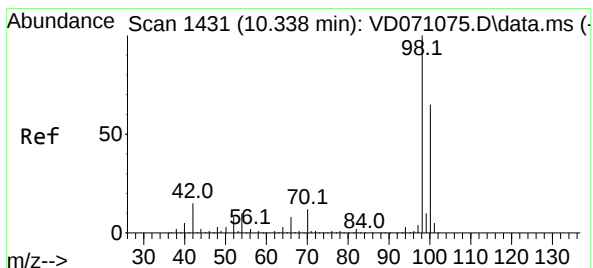
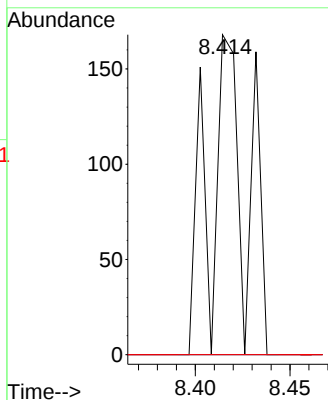
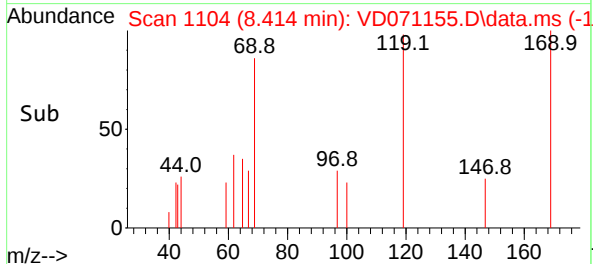


#43
Isopropyl Acetate
Concen: 5.267 ug/l
RT: 8.414 min Scan# 1110
Delta R.T. -0.036 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Instrument :
MSVOA_D
ClientSampleId :

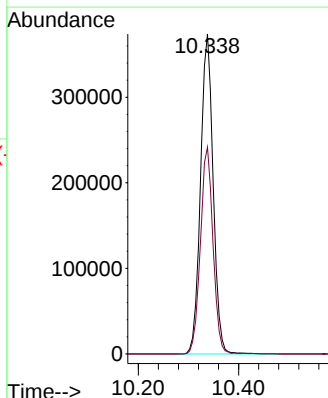
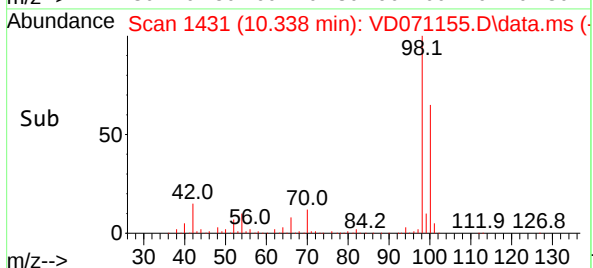
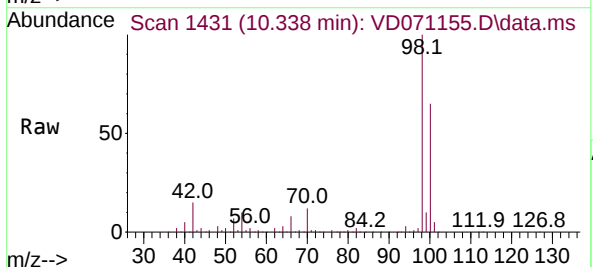


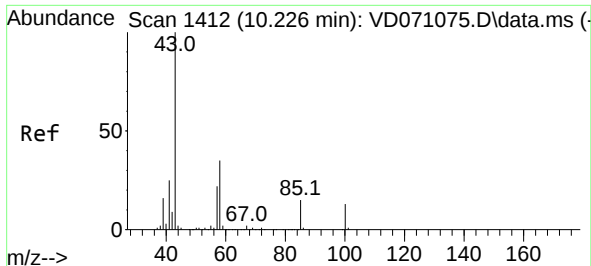
Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 52.961 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Tgt Ion: 98 Resp: 652832
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6

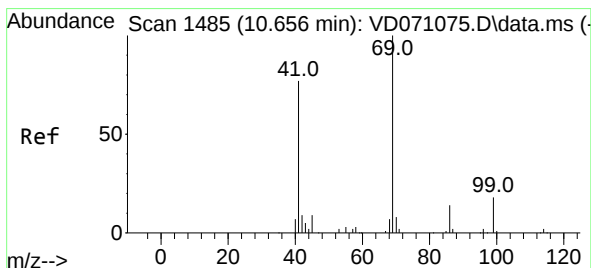
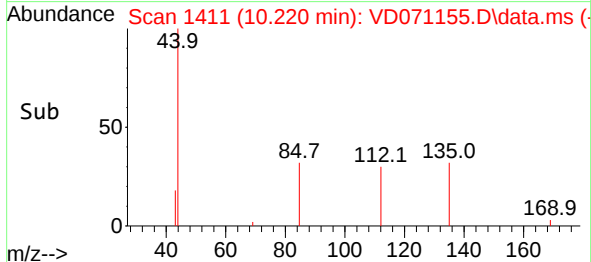
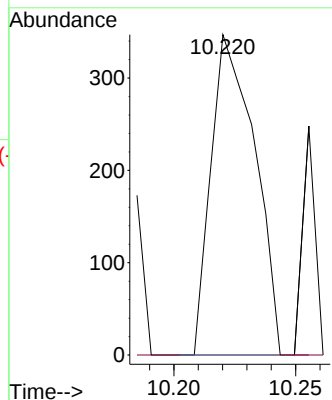
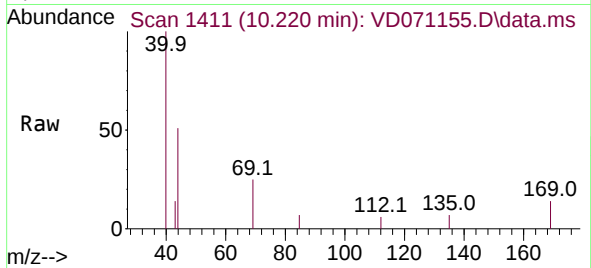




#51
4-Methyl-2-Pentanone
Concen: 30.815 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

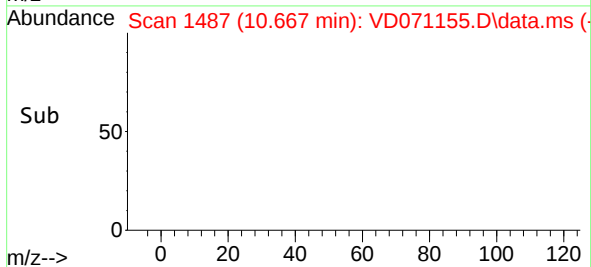
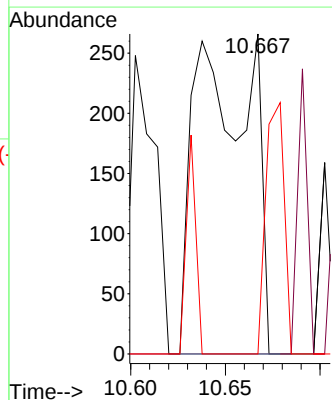
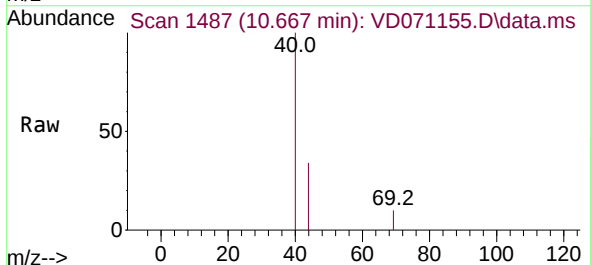
Instrument :
MSVOA_D
ClientSampleId :

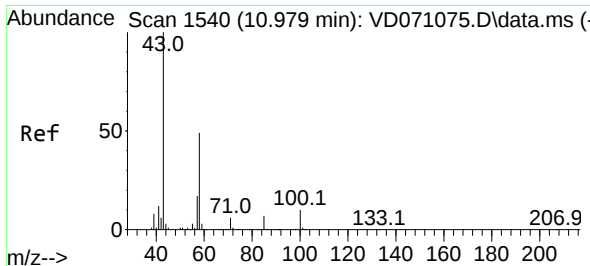
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.113 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.011 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Tgt Ion: 69 Resp: 538
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

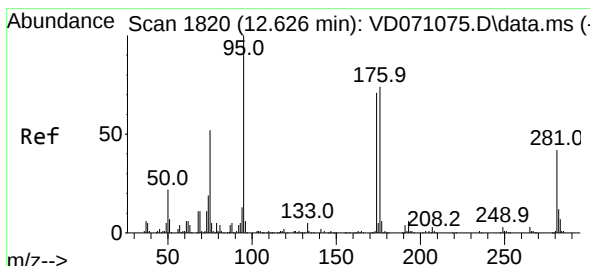
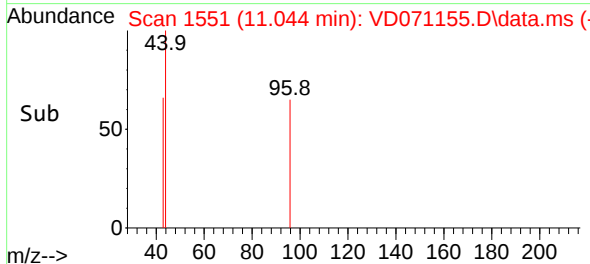
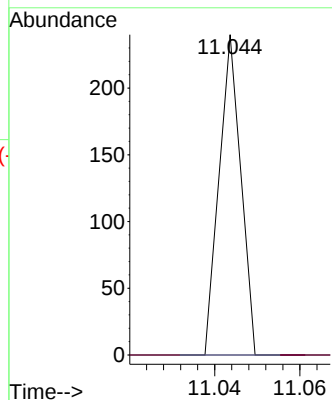
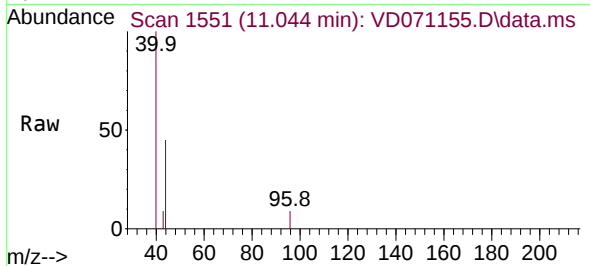




#59
2-Hexanone
Concen: 34.616 ug/l
RT: 11.044 min Scan# 11
Delta R.T. 0.065 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

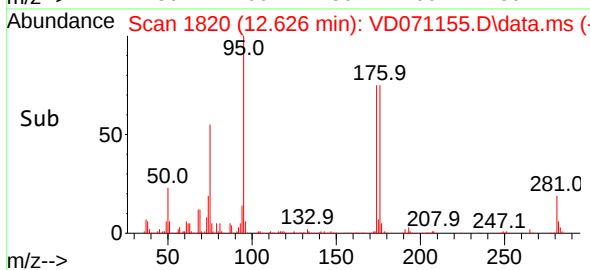
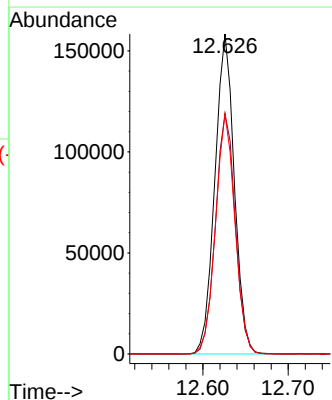
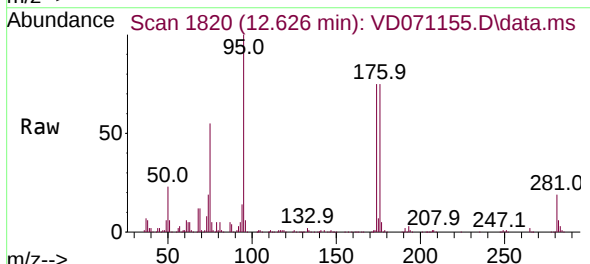
Instrument :
MSVOA_D
ClientSampleId :

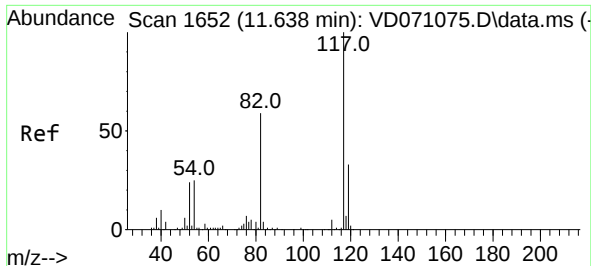
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 58.736 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

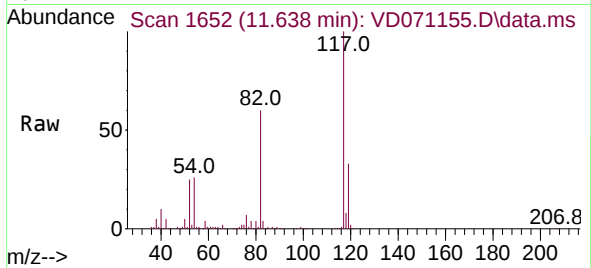
Tgt Ion: 95 Resp: 250973
Ion Ratio Lower Upper
95 100
174 76.4 0.0 159.4
176 74.9 0.0 154.0



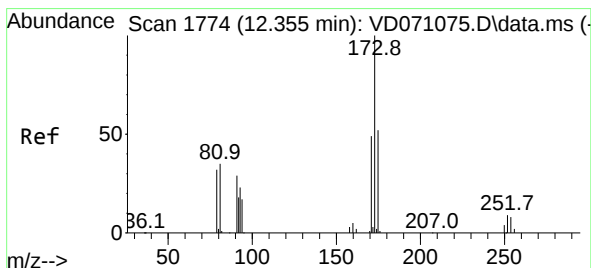
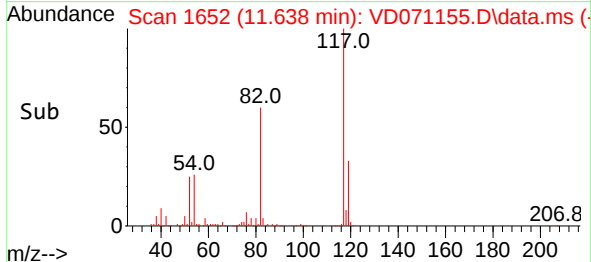
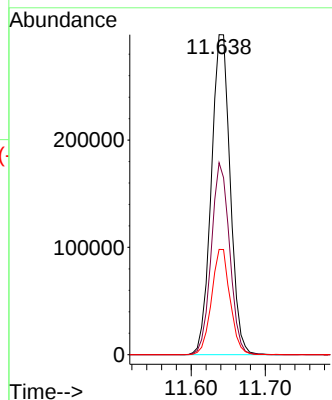


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Instrument :
MSVOA_D
ClientSampleId :

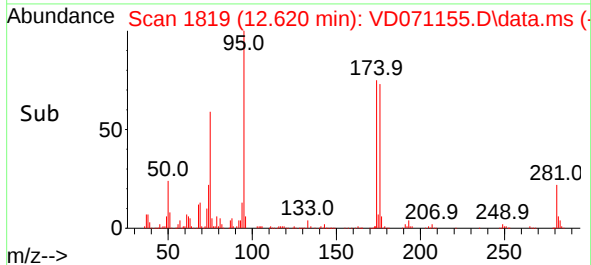
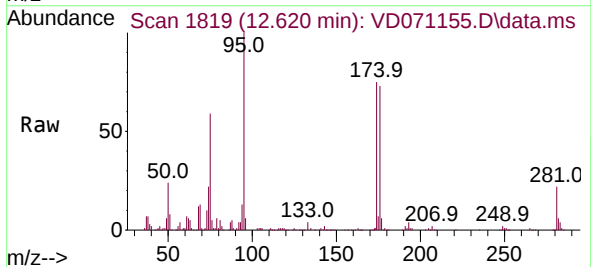
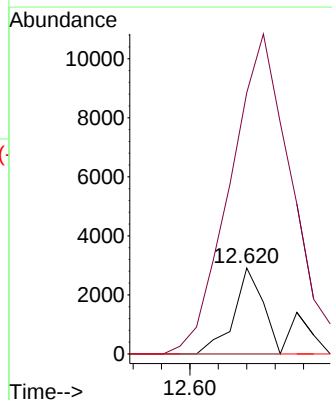


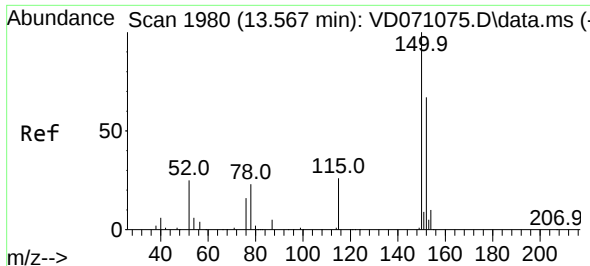
Tgt Ion:117 Resp: 528146
Ion Ratio Lower Upper
117 100
82 60.0 44.7 67.1
119 32.9 26.2 39.4



#71
Bromoform
Concen: 1.124 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

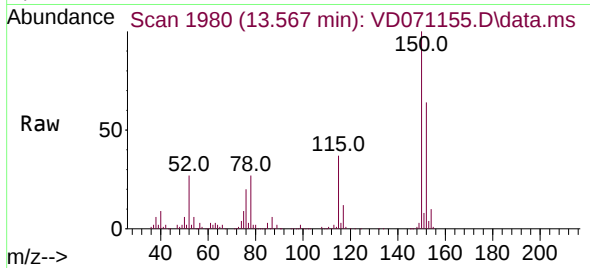
Tgt Ion:173 Resp: 2083
Ion Ratio Lower Upper
173 100
175 637.6 24.1 72.2#
254 0.0 0.1 0.1#



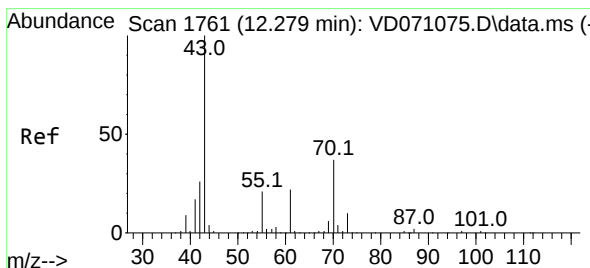
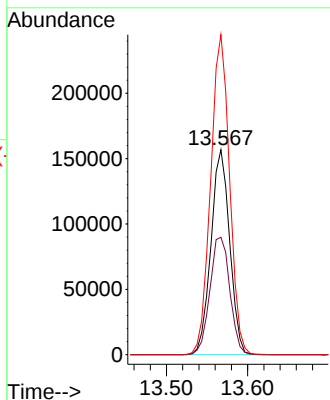
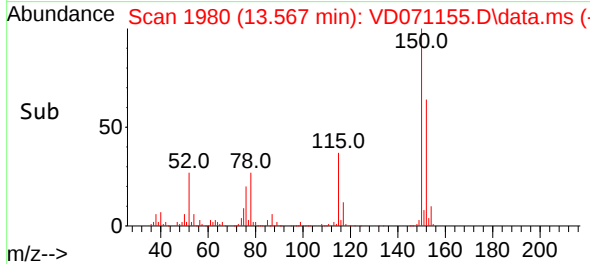


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

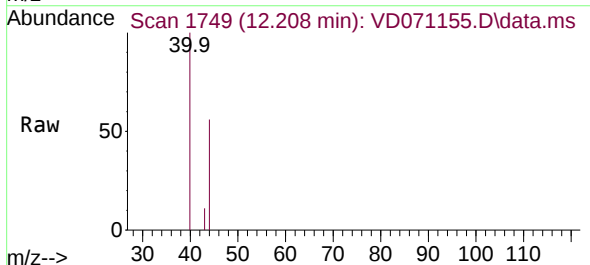
Instrument :
MSVOA_D
ClientSampleId :



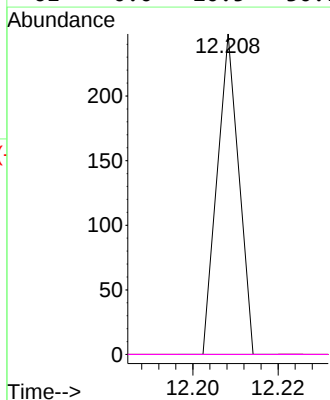
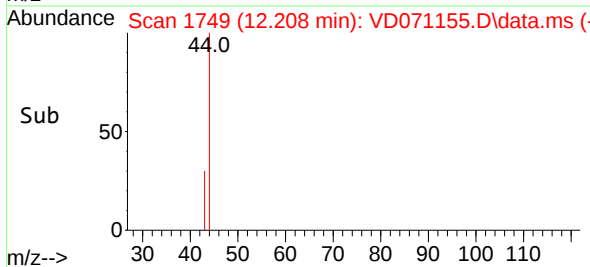
Tgt Ion:152 Resp: 251226
Ion Ratio Lower Upper
152 100
115 61.0 29.8 89.3
150 157.5 0.0 349.2

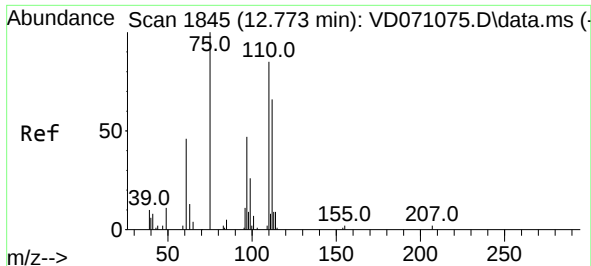


#74
N-ethyl acetate
Concen: 5.717 ug/l
RT: 12.208 min Scan# 1749
Delta R.T. -0.071 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36



Tgt Ion: 43 Resp: 87
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#

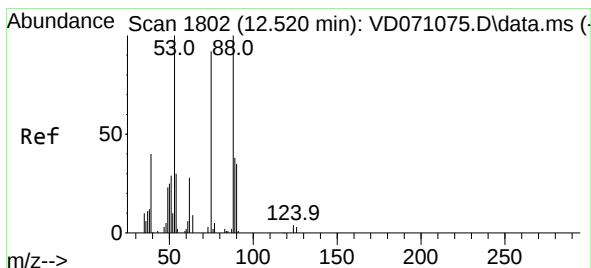
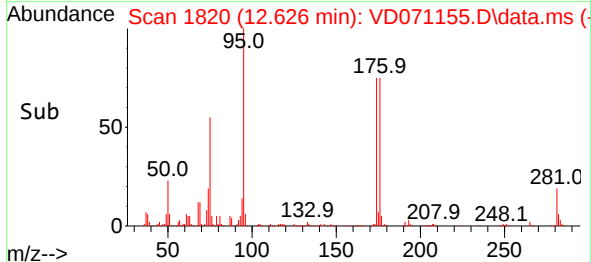
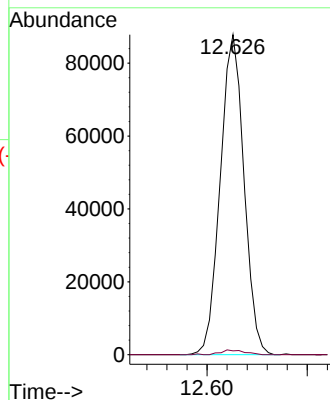
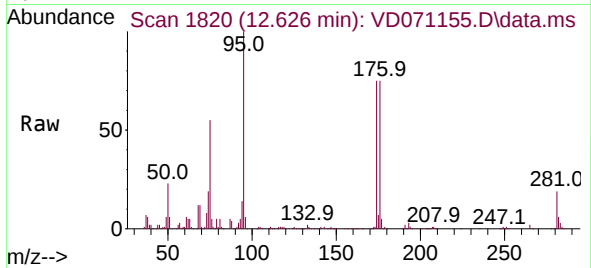




#76
1,2,3-Trichloropropane
Concen: 60.151 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 143976
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.217 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Tgt Ion: 75 Resp: 143976
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.3 34.5 51.7#

