

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071066.D
 Acq On : 19 Nov 2021 19:41
 Operator : VA/SY
 Sample : M4767-01
 Misc : 4.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:54:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

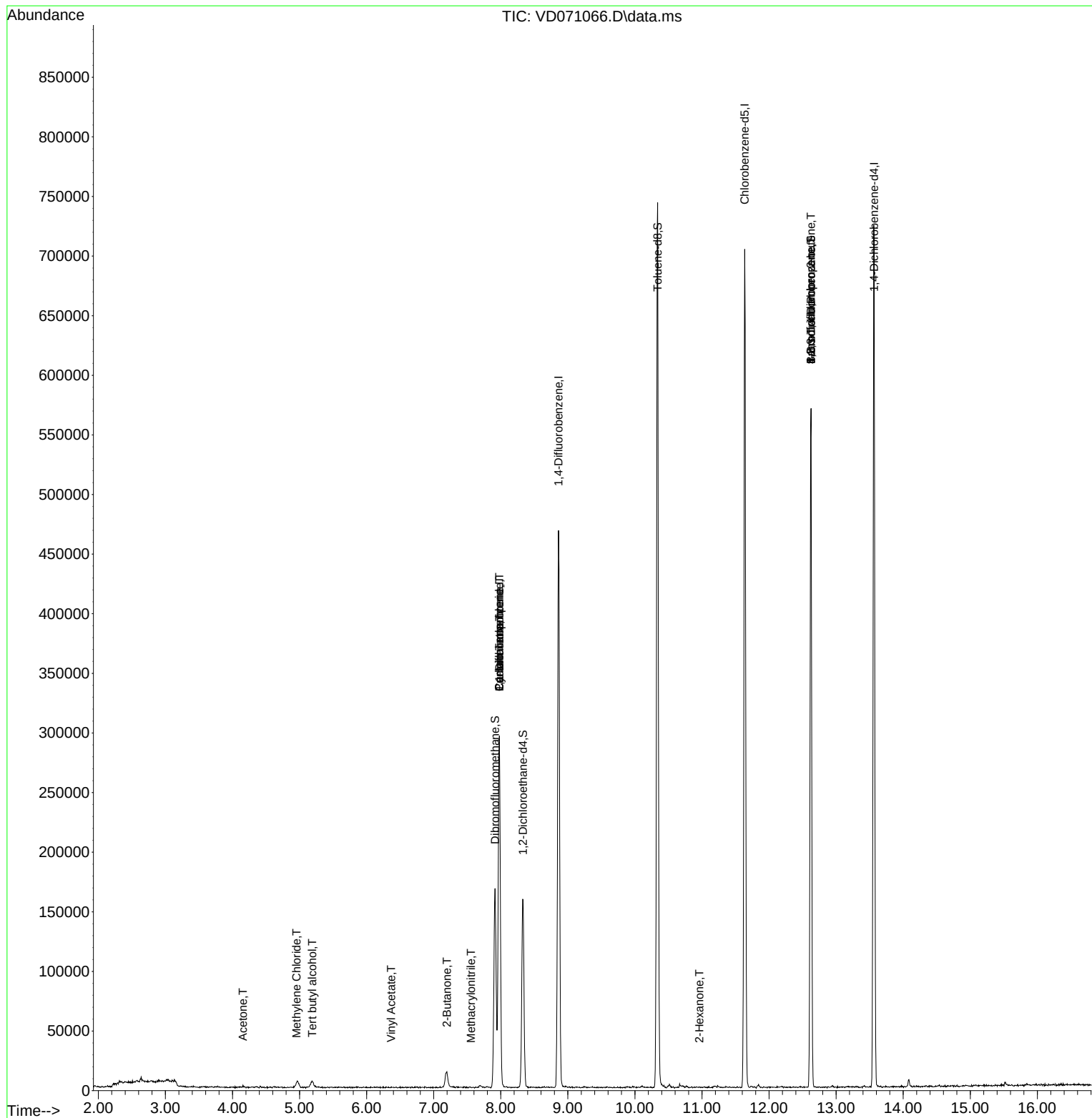
Internal Standards						
1) Pentafluorobenzene	7.979	168	205797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	377397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	378352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	178935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	126553	57.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.520%	
35) Dibromofluoromethane	7.914	113	115088	54.043	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.080%	
50) Toluene-d8	10.338	98	483310	57.951	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.900%	
62) 4-Bromofluorobenzene	12.626	95	179749	59.859	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 119.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.191	59	5333	33.303	ug/l #	71
13) Acrolein	3.997	56	70	Below Cal	#	13
16) Acetone	4.156	43	1446	22.046	ug/l #	82
20) Methylene Chloride	4.956	84	3639	1.045	ug/l #	82
23) Vinyl Acetate	6.367	43	67	20.997	ug/l #	72
25) 2-Butanone	7.197	43	948	21.506	ug/l #	45
31) Cyclohexane	7.979	56	6144	1.364	ug/l #	40
36) 1,1-Dichloropropene	7.979	75	18465	5.480	ug/l #	49
38) Carbon Tetrachloride	7.979	117	21820	7.032	ug/l #	16
41) Methacrylonitrile	7.555	41	59	3.555	ug/l #	12
59) 2-Hexanone	10.961	43	122	16.027	ug/l #	22
71) Bromoform	12.626	173	1709	1.368	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	100230	65.576	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	100230	121.198	ug/l #	18

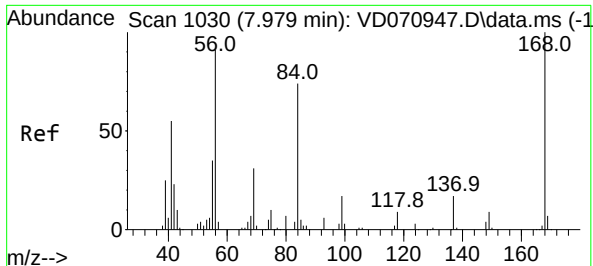
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 22 02:54:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration

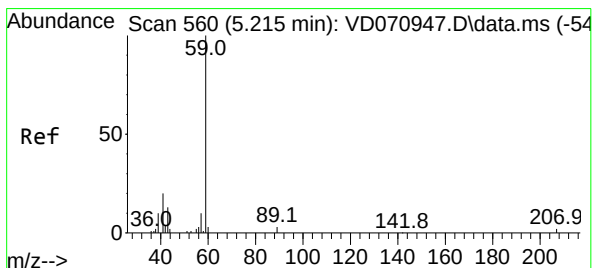
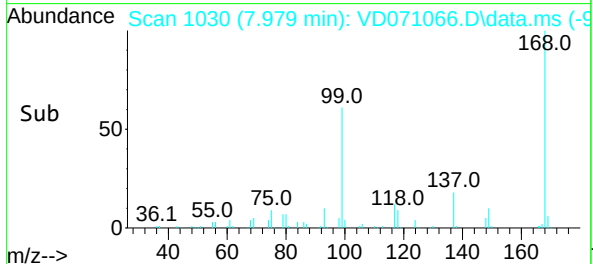
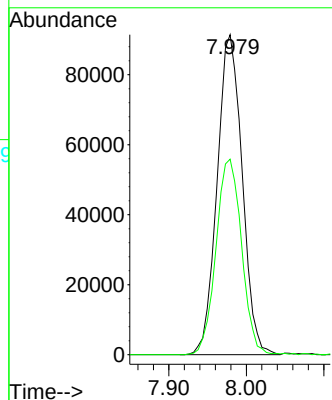
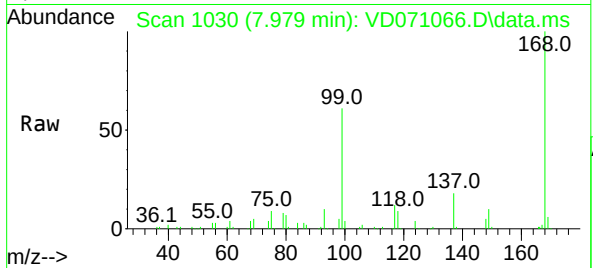




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

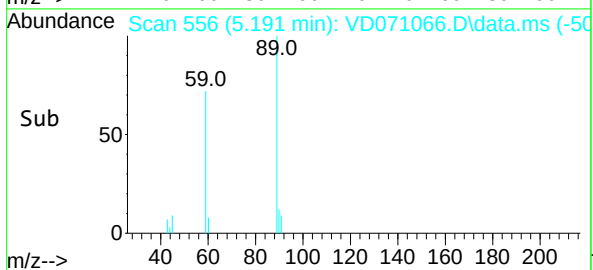
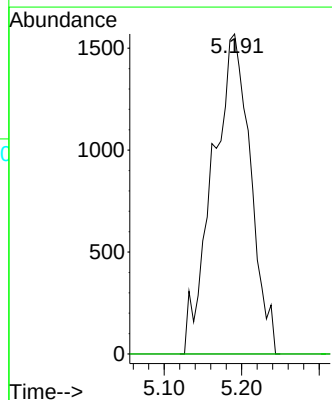
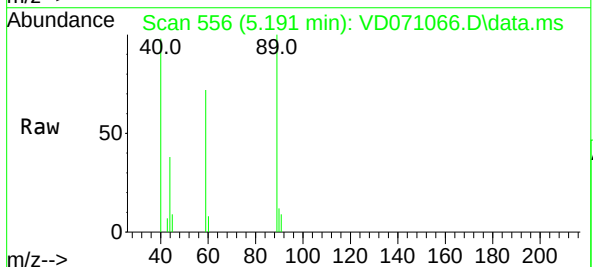
Instrument :
MSVOA_D
ClientSampleId :

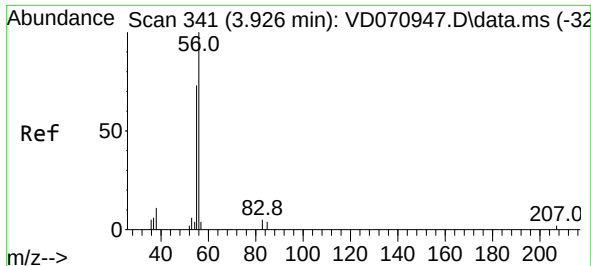
Tgt Ion:168 Resp: 205797
Ion Ratio Lower Upper
168 100
99 61.1 46.6 69.8



#11
Tert butyl alcohol
Concen: 33.303 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

Tgt Ion: 59 Resp: 5333
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

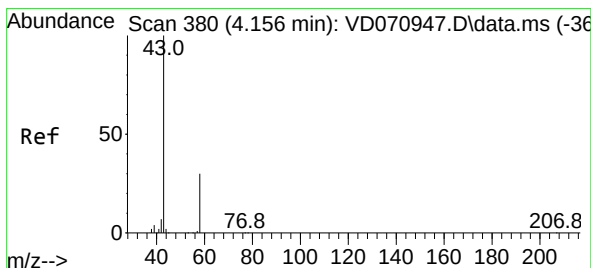
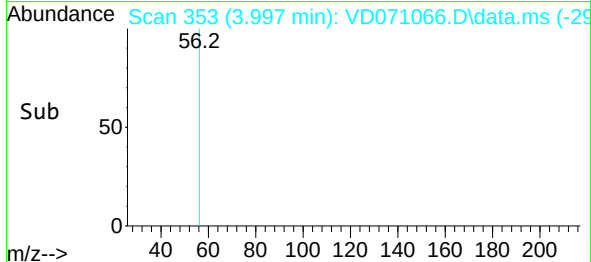
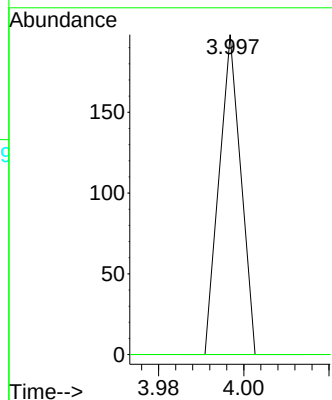
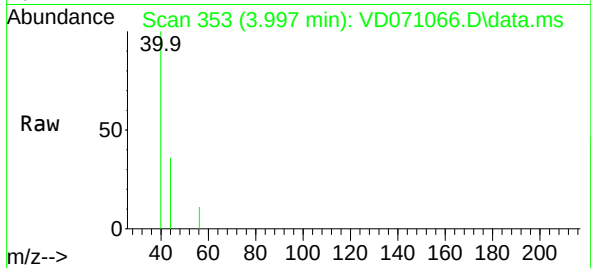




#13
Acrolein
Concen: Below Cal
RT: 3.997 min Scan# 31
Delta R.T. 0.071 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

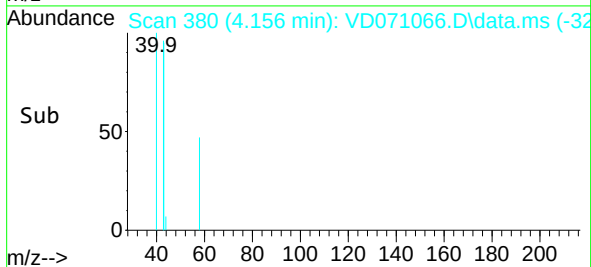
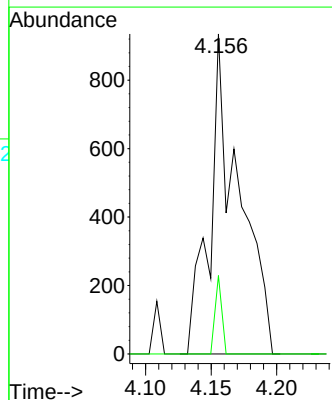
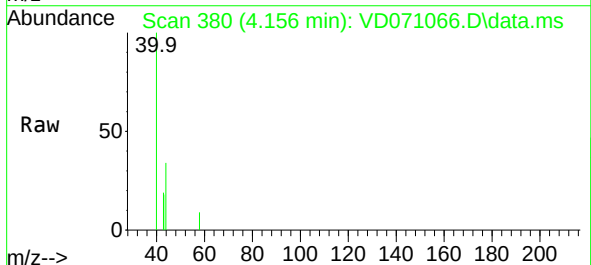
Instrument :
MSVOA_D
ClientSampleId :

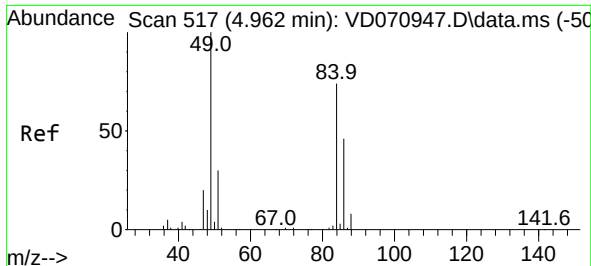
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 22.046 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

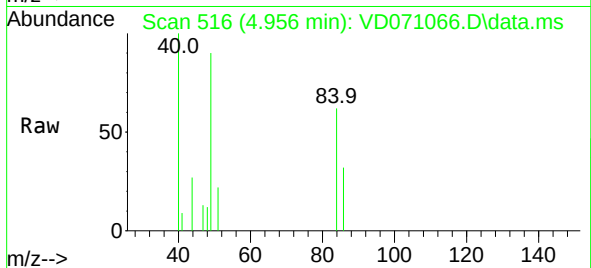
Tgt Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
58 24.5 27.8 41.8#



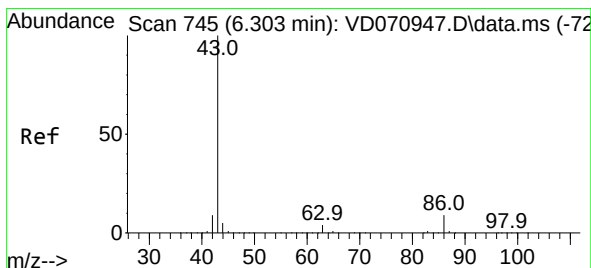
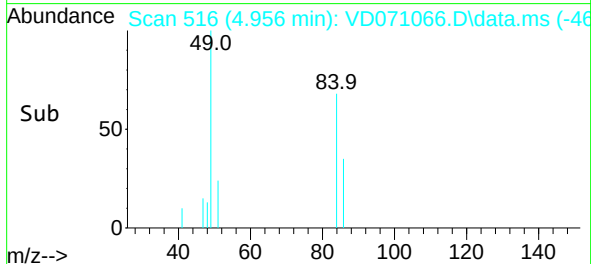
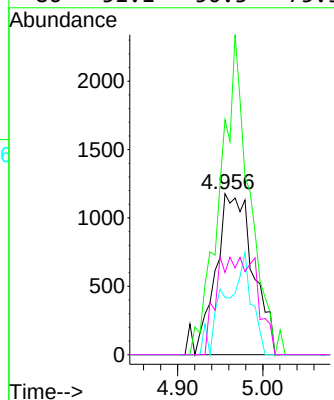


#20
Methylene Chloride
Concen: 1.045 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

Instrument :
MSVOA_D
ClientSampleId :

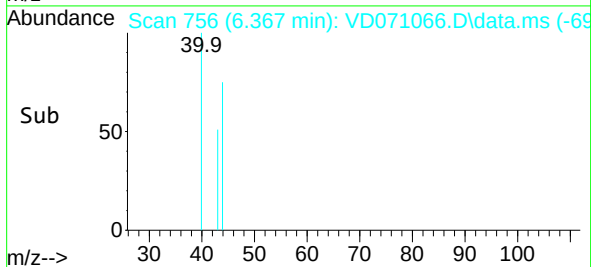
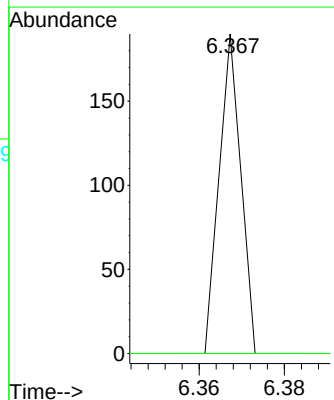
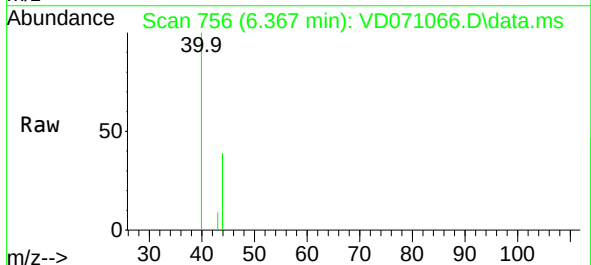


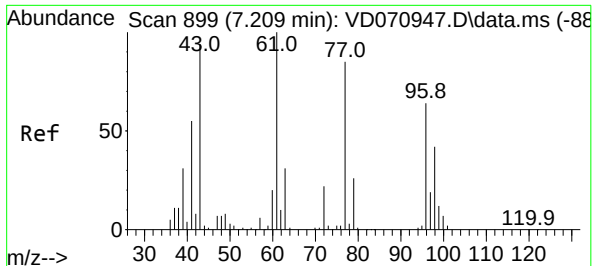
Tgt Ion: 84 Resp: 3639
Ion Ratio Lower Upper
84 100
49 146.0 95.8 143.6#
51 35.5 30.9 46.3
86 51.1 50.3 75.5



#23
Vinyl Acetate
Concen: 20.997 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.064 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

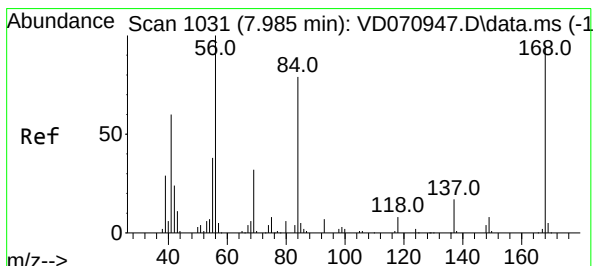
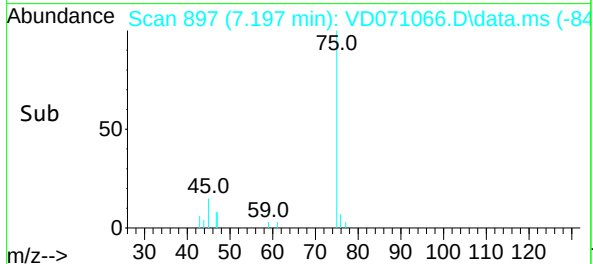
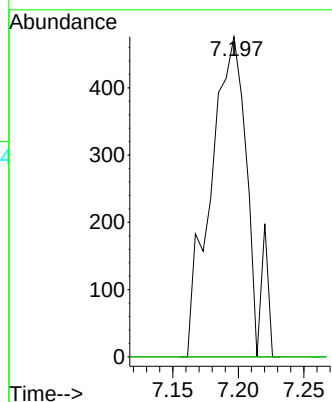
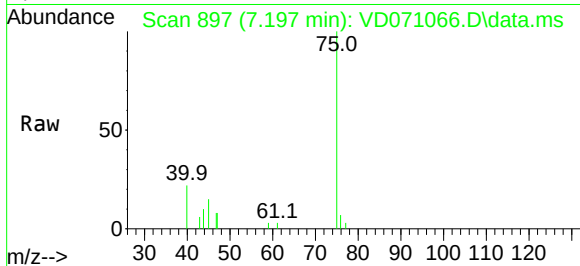




#25
2-Butanone
Concen: 21.506 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.012 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

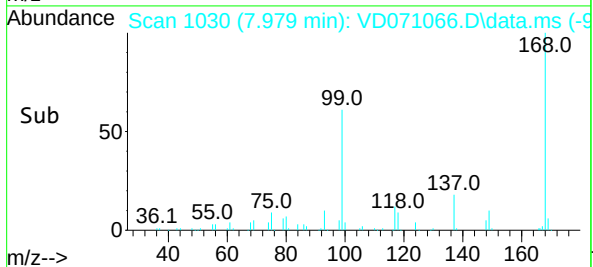
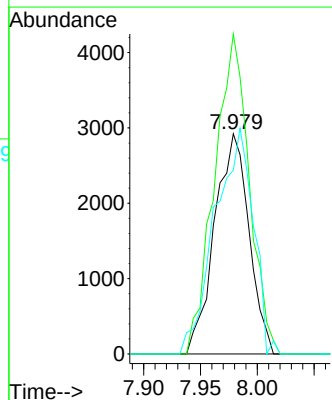
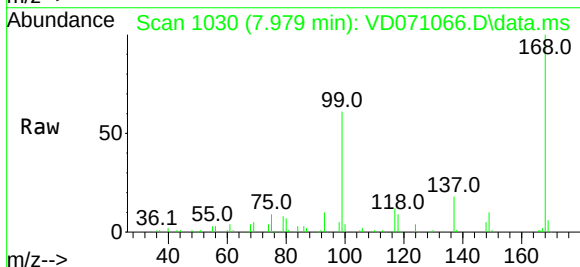
Instrument :
MSVOA_D
ClientSampleId :

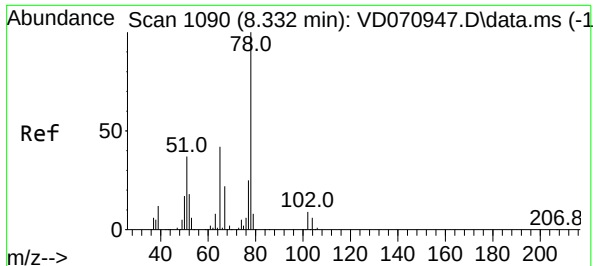
Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

Tgt Ion: 56 Resp: 6144
Ion Ratio Lower Upper
56 100
69 145.3 25.9 38.9#
84 83.5 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 57.757 ug/l

RT: 8.332 min Scan# 110

Delta R.T. -0.000 min

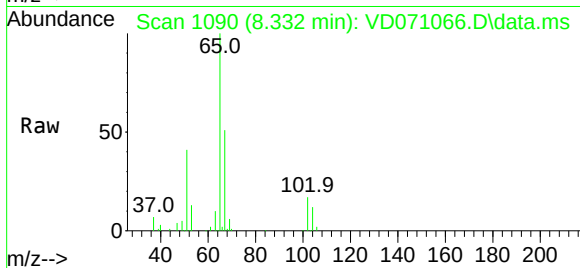
Lab File: VD071066.D

Acq: 19 Nov 2021 19:41

Instrument :

MSVOA_D

ClientSampleId :

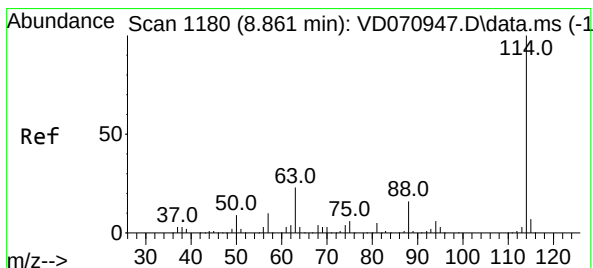
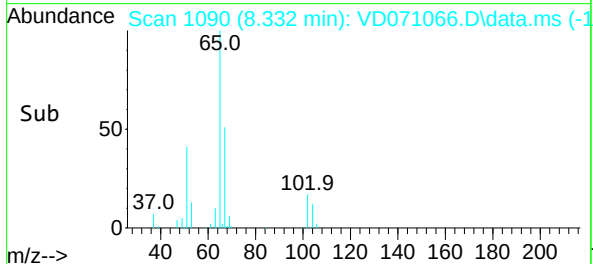
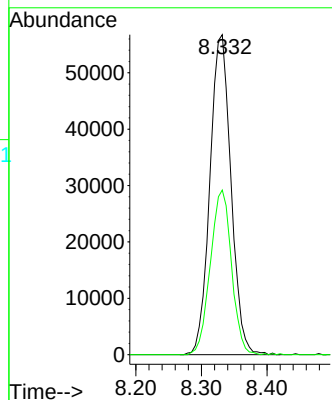


Tgt Ion: 65 Resp: 126553

Ion Ratio Lower Upper

65 100

67 51.6 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: VD071066.D

Acq: 19 Nov 2021 19:41

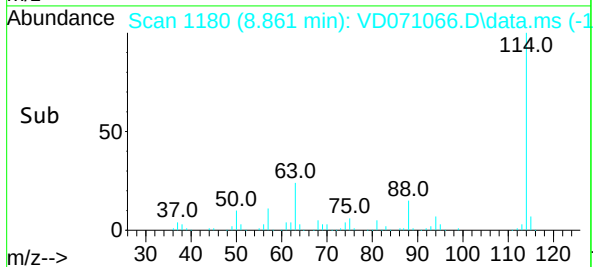
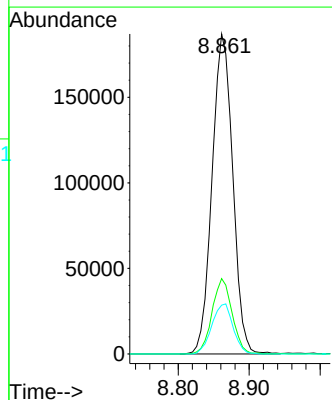
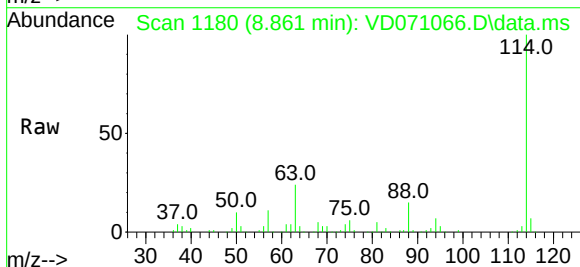
Tgt Ion: 114 Resp: 377397

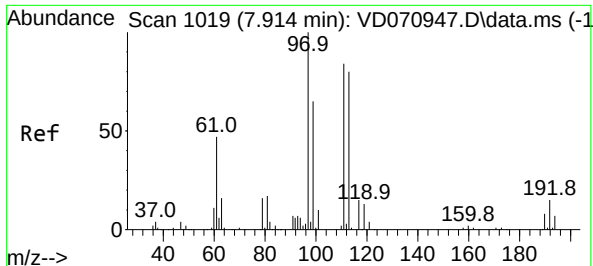
Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 54.043 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

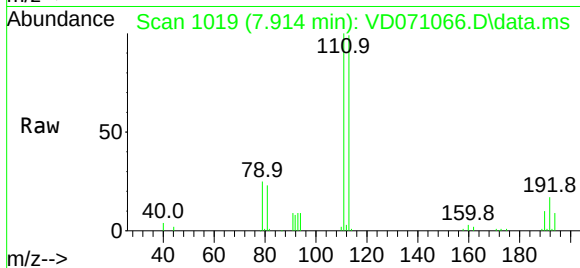
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Acq: 19 Nov 2021 19:41

Instrument :

MSVOA_D

ClientSampleId :



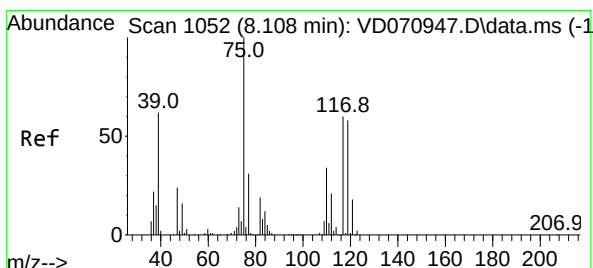
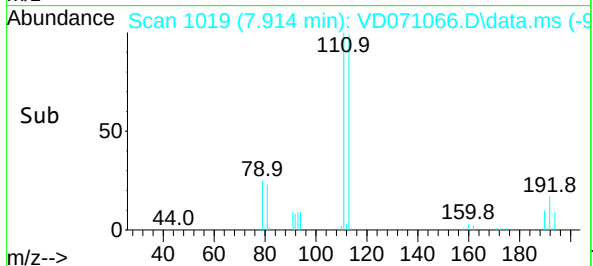
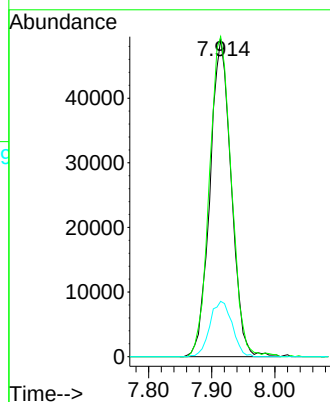
Tgt Ion:113 Resp: 115088

Ion Ratio Lower Upper

113 100

111 103.7 82.0 123.0

192 18.2 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.480 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071066.D

Acq: 19 Nov 2021 19:41

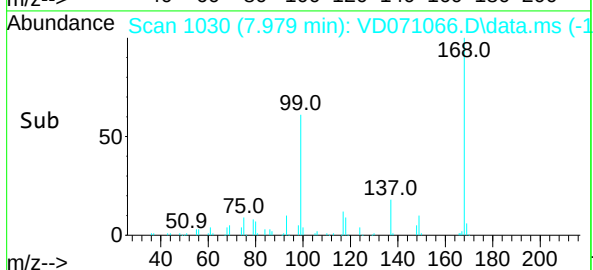
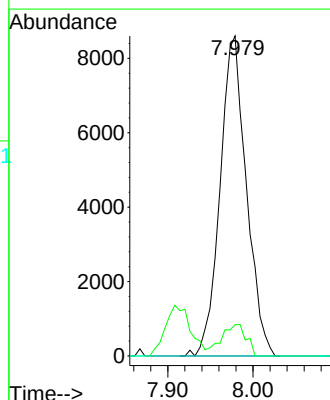
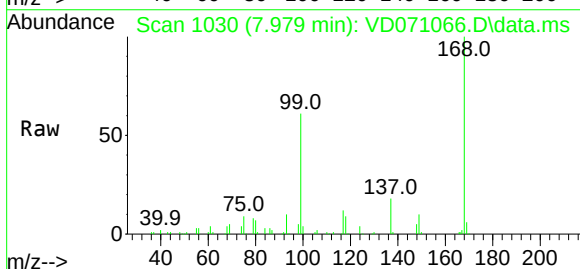
Tgt Ion: 75 Resp: 18465

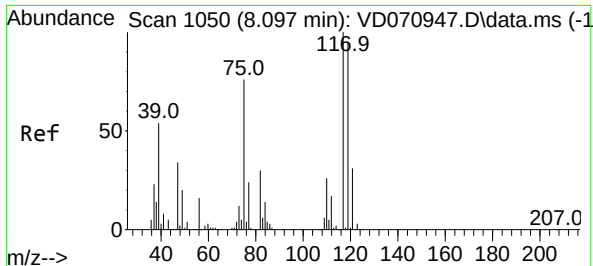
Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.4#

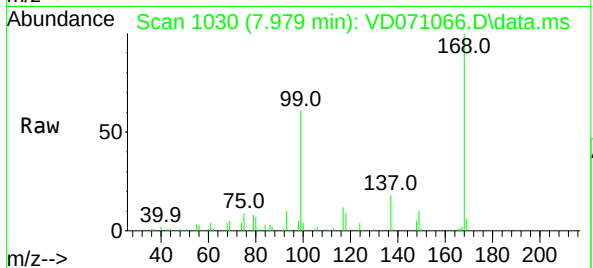
77 0.0 24.8 37.2#



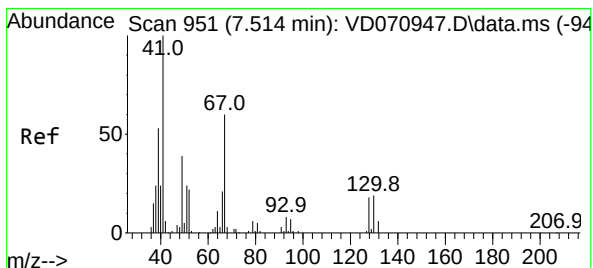
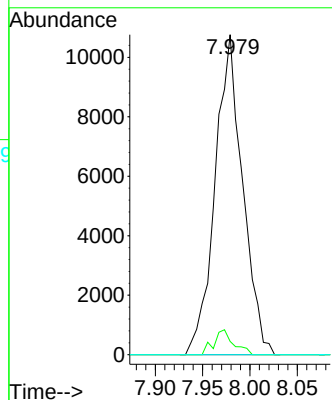
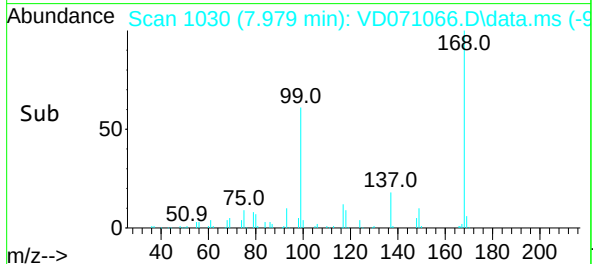


#38
Carbon Tetrachloride
Concen: 7.032 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

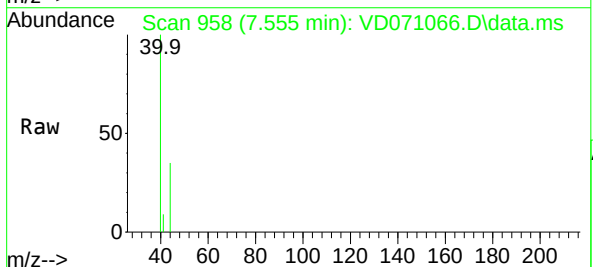
Instrument :
MSVOA_D
ClientSampleId :



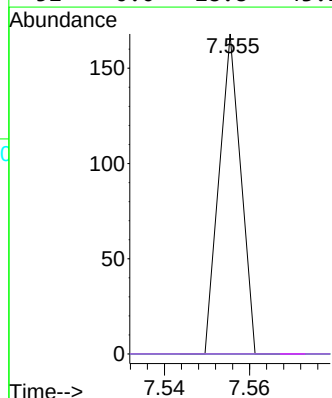
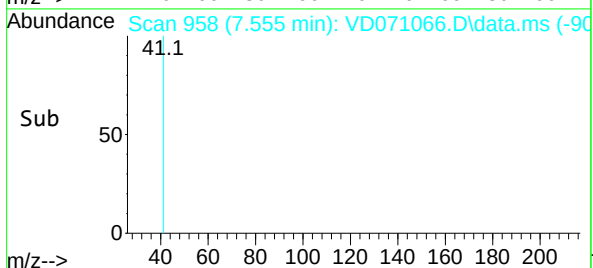
Tgt Ion:117 Resp: 21820
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 23.6 35.4#

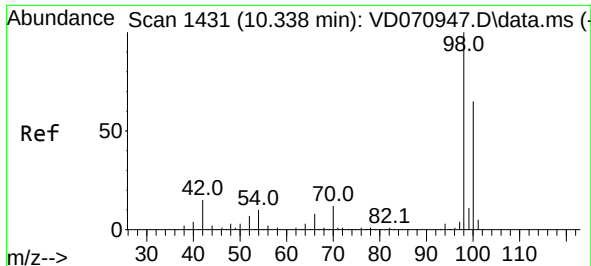


#41
Methacrylonitrile
Concen: 3.555 ug/l
RT: 7.555 min Scan# 958
Delta R.T. 0.041 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41



Tgt Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

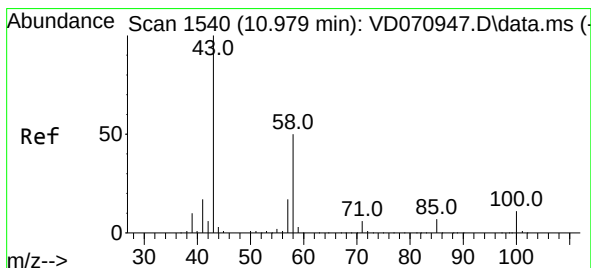
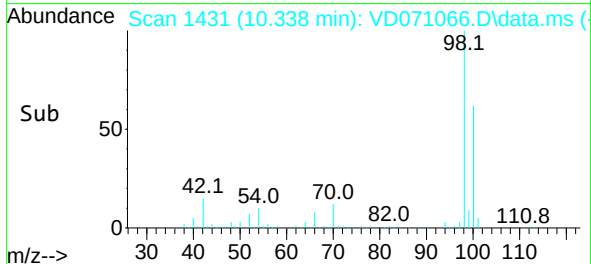
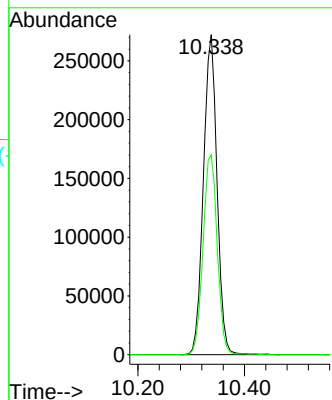
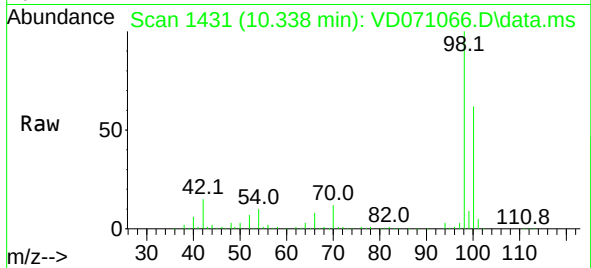




#50
Toluene-d8
Concen: 57.951 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

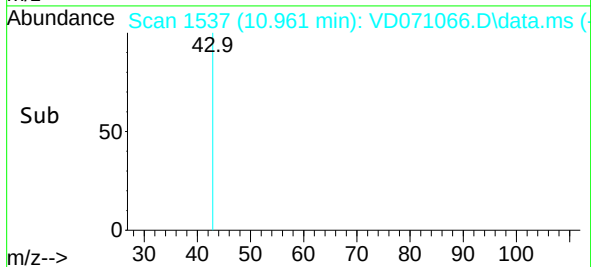
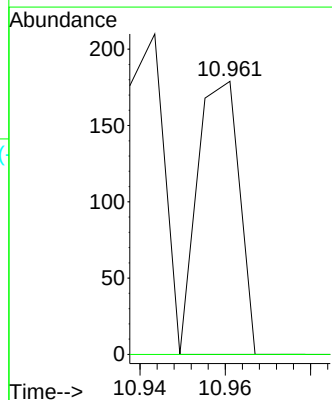
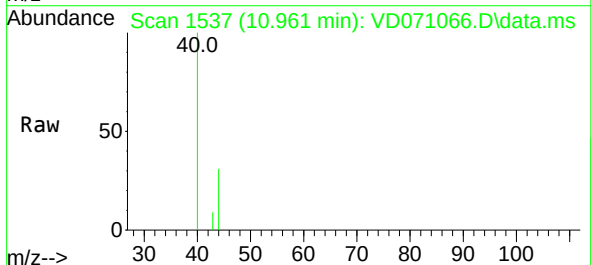
Instrument :
MSVOA_D
ClientSampleId :

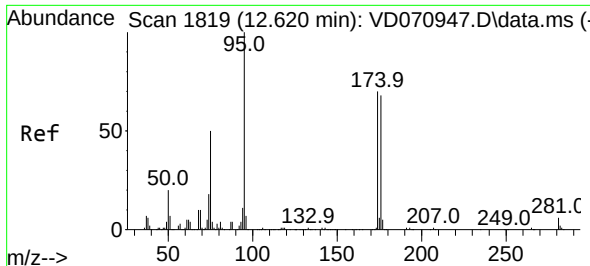
Tgt Ion: 98 Resp: 483310
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#59
2-Hexanone
Concen: 16.027 ug/l
RT: 10.961 min Scan# 1537
Delta R.T. -0.018 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

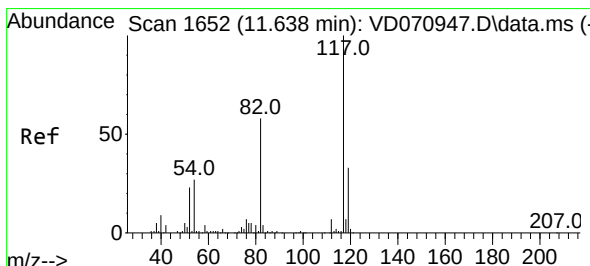
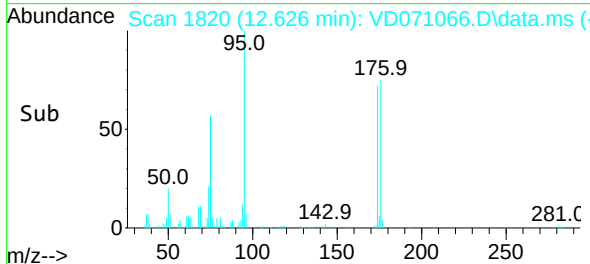
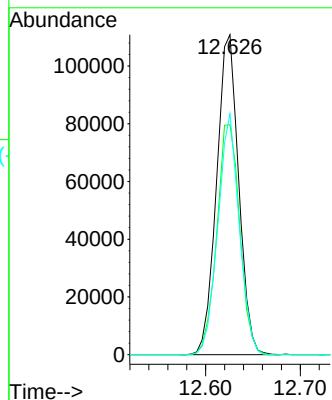
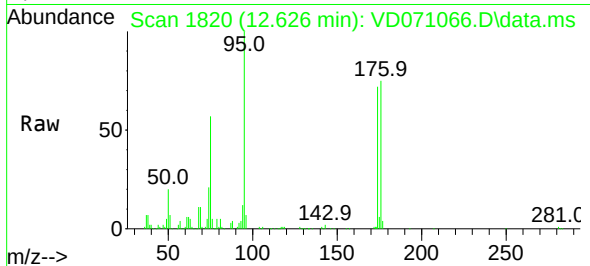




#62
4-Bromofluorobenzene
Concen: 59.859 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

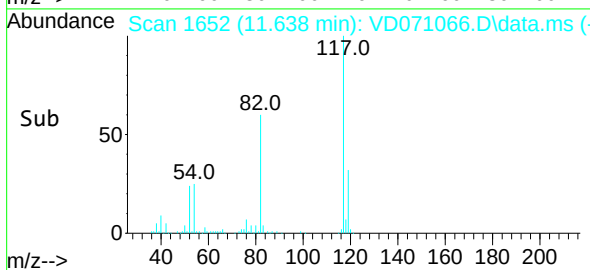
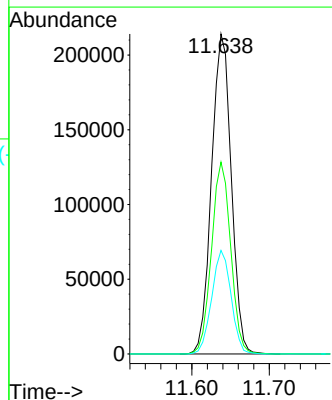
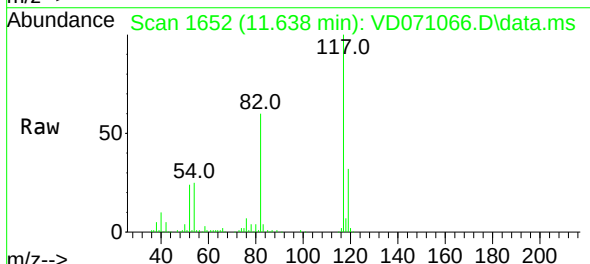
Instrument :
MSVOA_D
ClientSampleId :

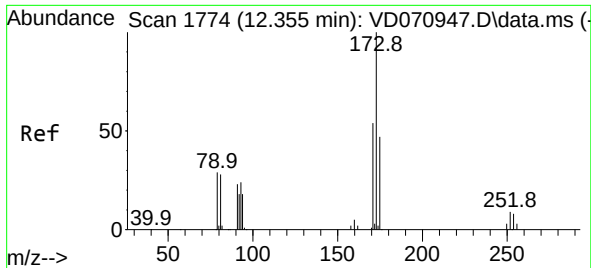
Tgt Ion: 95 Resp: 179749
Ion Ratio Lower Upper
95 100
174 74.8 0.0 159.4
176 72.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

Tgt Ion: 117 Resp: 378352
Ion Ratio Lower Upper
117 100
82 60.0 44.7 67.1
119 32.4 26.2 39.4

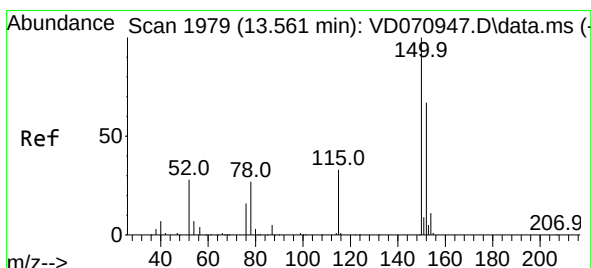
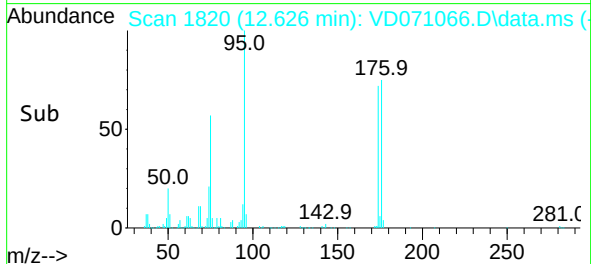
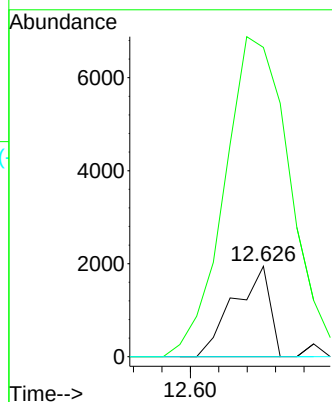
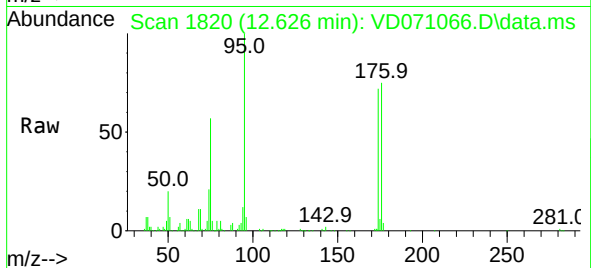




#71
Bromoform
Concen: 1.368 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

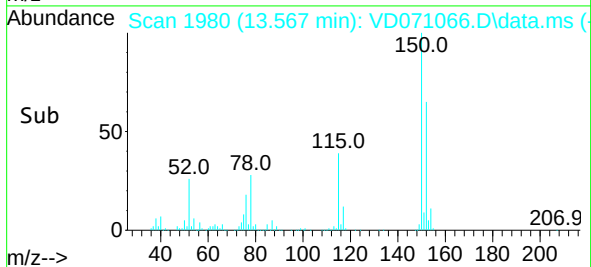
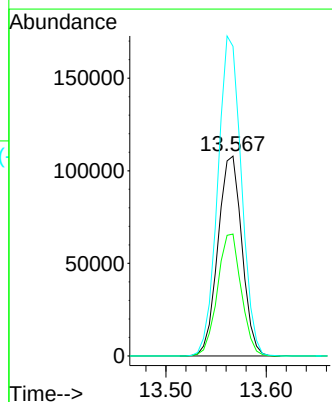
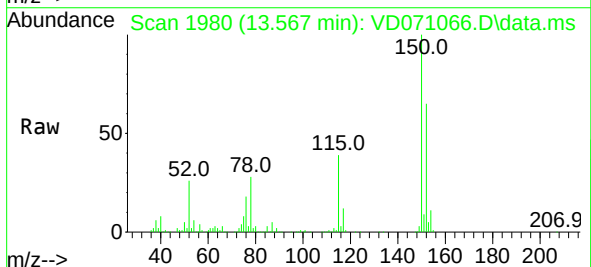
Instrument :
MSVOA_D
ClientSampleId :

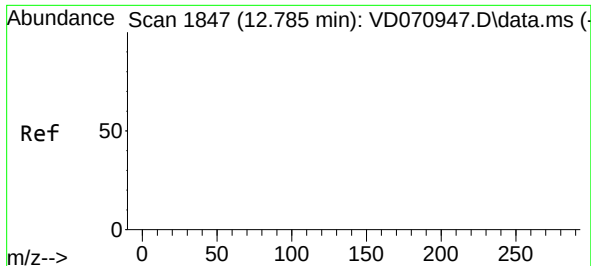
Tgt Ion:173 Resp: 1709
Ion Ratio Lower Upper
173 100
175 551.6 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

Tgt Ion:152 Resp: 178935
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 157.7 0.0 349.2

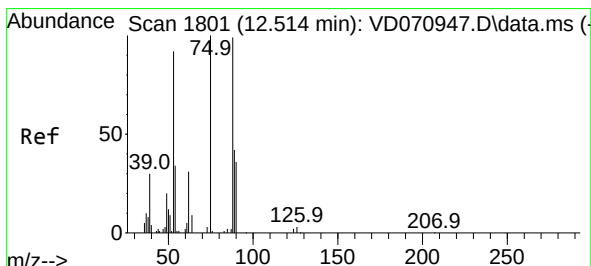
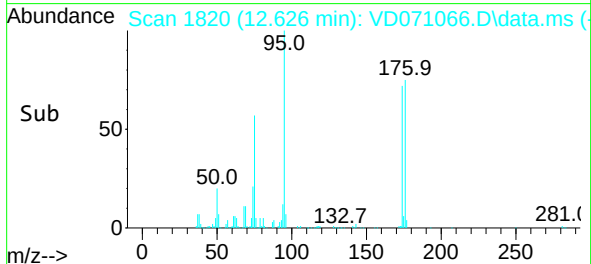
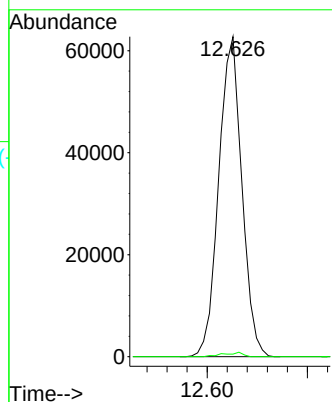
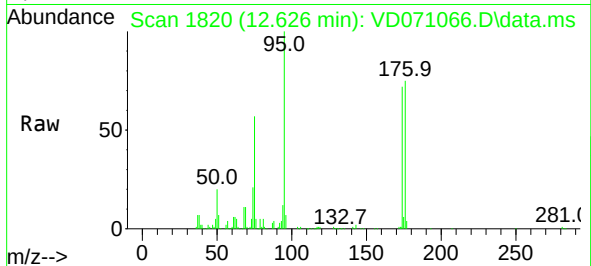




#76
1,2,3-Trichloropropane
Concen: 65.576 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 100230
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.198 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD071066.D
Acq: 19 Nov 2021 19:41

Tgt Ion: 75 Resp: 100230
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#

