

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD070986.D
 Acq On : 11 Nov 2021 12:37
 Operator : VA/SY
 Sample : M4574-05
 Misc : 6.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 07:59:25 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)

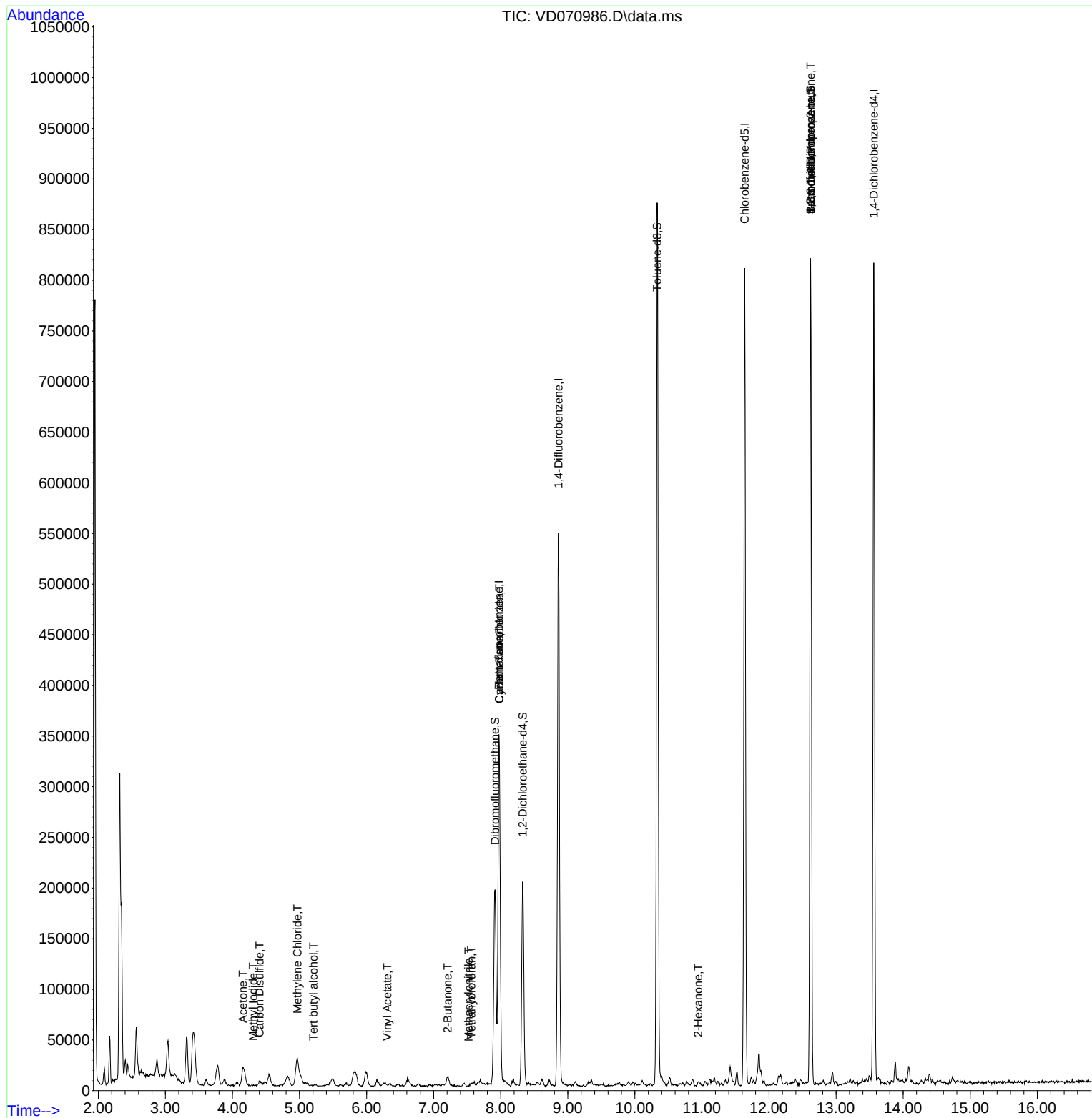
Internal Standards						
1) Pentafluorobenzene	7.973	168	247488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	444998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	436355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	199856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	153450	58.235	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.460%	
35) Dibromofluoromethane	7.914	113	139875	55.704	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.400%	
50) Toluene-d8	10.332	98	563407	57.293	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.580%	
62) 4-Bromofluorobenzene	12.620	95	212955	60.144	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.280%	
Target Compounds						
						Qvalue
10) Methyl Iodide	4.309	142	596	6.204	ug/l #	53
11) Tert butyl alcohol	5.209	59	1295	6.725	ug/l	97
13) Acrolein	3.891	56	56	Below Cal	#	13
16) Acetone	4.156	43	29783	58.335	ug/l #	83
17) Carbon Disulfide	4.403	76	9368	1.235	ug/l	95
20) Methylene Chloride	4.967	84	18027	5.641	ug/l	88
23) Vinyl Acetate	6.309	43	522	21.075	ug/l #	72
25) 2-Butanone	7.209	43	11175	31.529	ug/l	90
29) Tetrahydrofuran	7.561	42	1006	1.879	ug/l #	39
31) Cyclohexane	7.979	56	9848	1.817	ug/l #	17
38) Carbon Tetrachloride	7.979	117	26290	7.185	ug/l #	16
41) Methacrylonitrile	7.520	41	373	3.766	ug/l #	39
59) 2-Hexanone	10.944	43	1856	17.130	ug/l #	22
71) Bromoform	12.620	173	1910	1.325	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	114559	67.104	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	114559	123.946	ug/l #	19

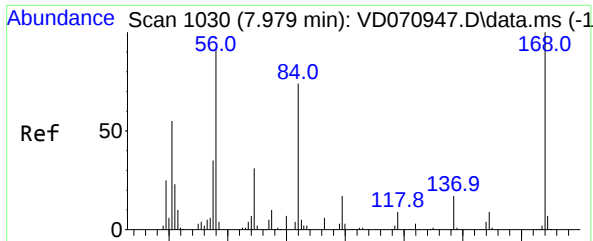
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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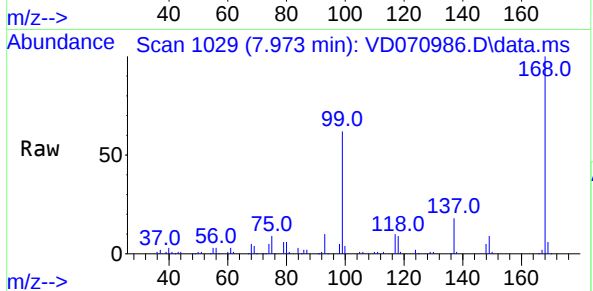
Quant Time: Nov 12 07:59:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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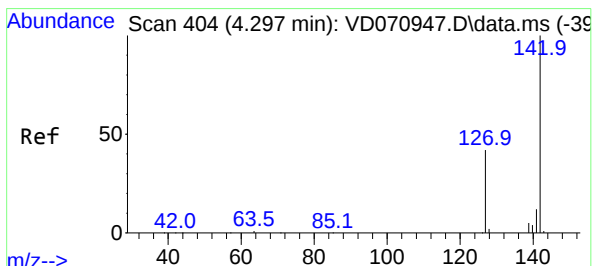
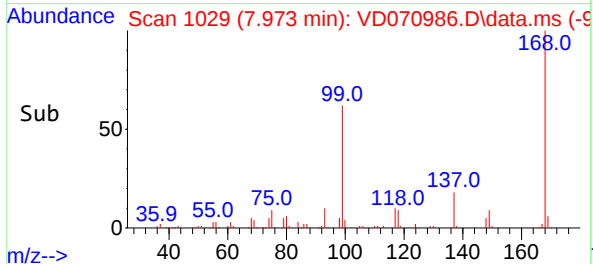
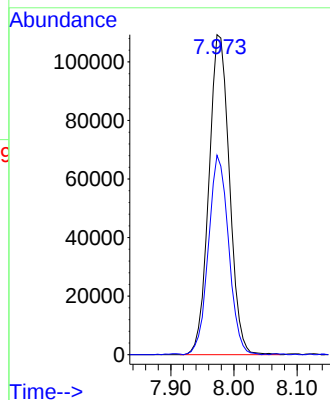


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Instrument :
MSVOA_D
ClientSampleId :

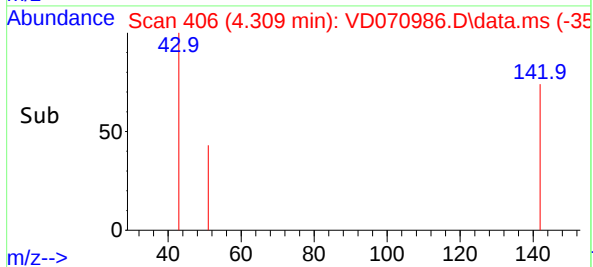
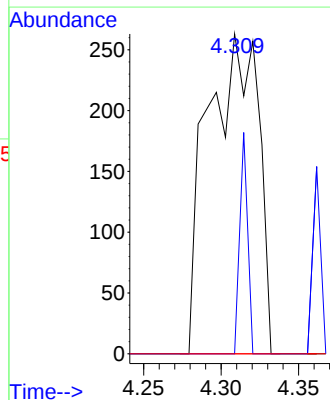
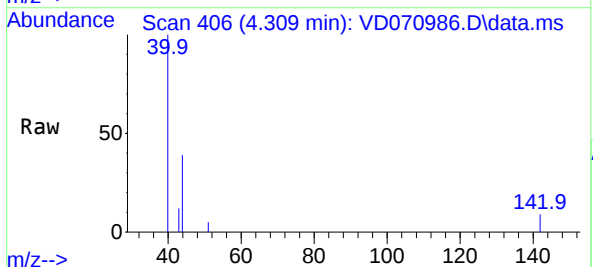


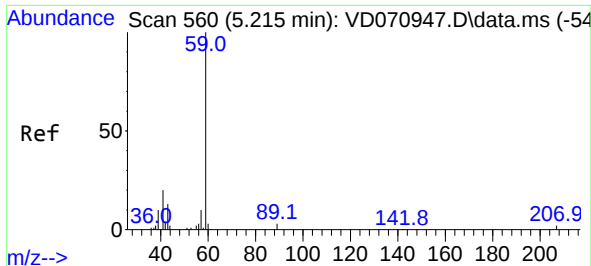
Tgt Ion:168 Resp: 247488
Ion Ratio Lower Upper
168 100
99 62.1 46.6 69.8



#10
Methyl Iodide
Concen: 6.204 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

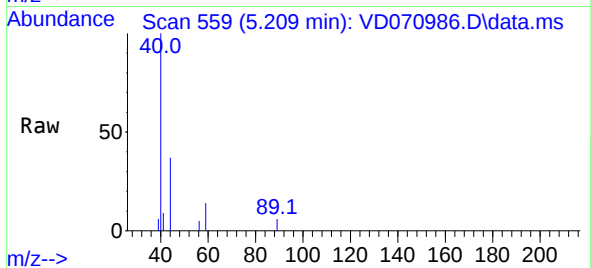
Tgt Ion:142 Resp: 596
Ion Ratio Lower Upper
142 100
127 10.7 35.0 52.4#
141 0.0 12.0 18.0#



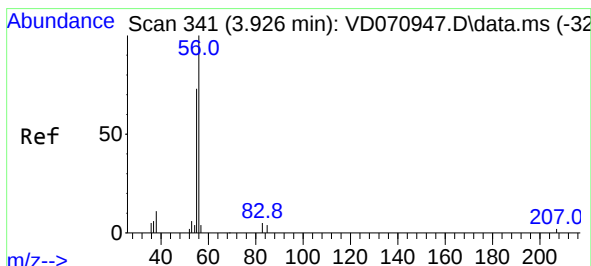
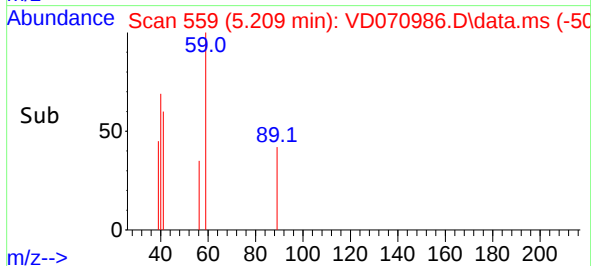
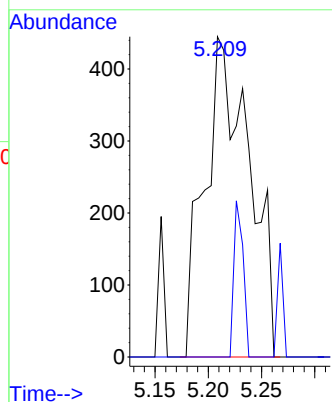


#11
Tert butyl alcohol
Concen: 6.725 ug/l
RT: 5.209 min Scan# 511
Delta R.T. -0.006 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Instrument :
MSVOA_D
ClientSampleId :

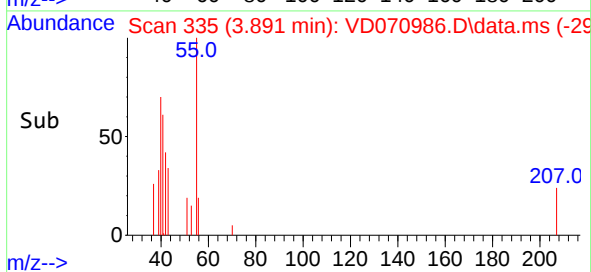
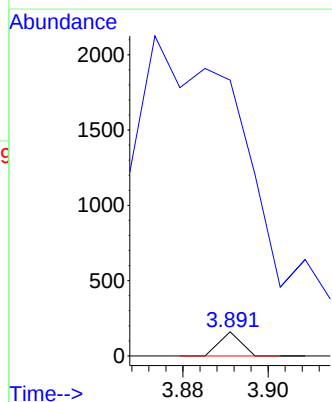
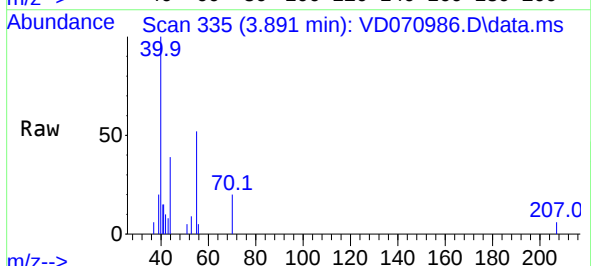


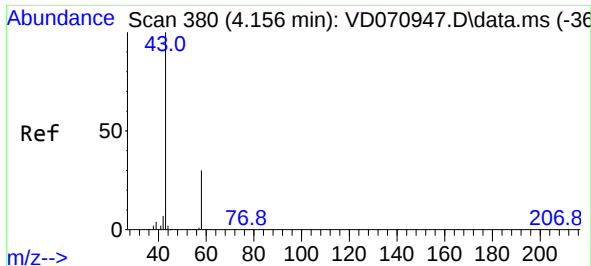
Tgt Ion: 59 Resp: 1295
Ion Ratio Lower Upper
59 100
57 10.2 9.0 13.4



#13
Acrolein
Concen: Below Cal
RT: 3.891 min Scan# 335
Delta R.T. -0.035 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

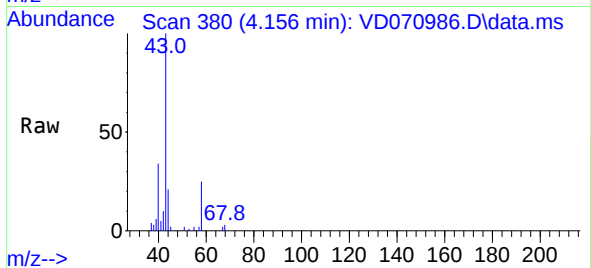
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



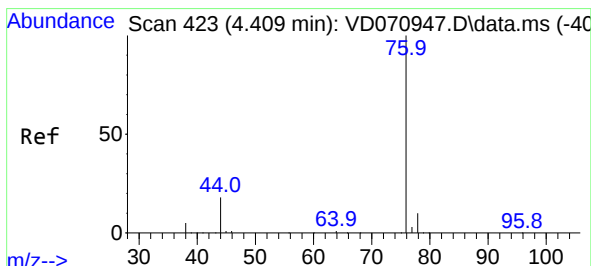
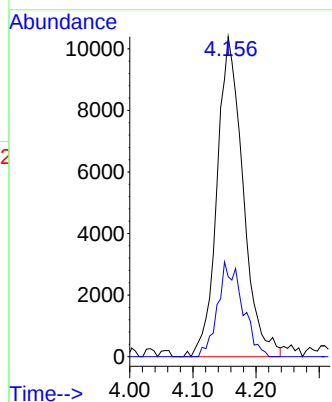
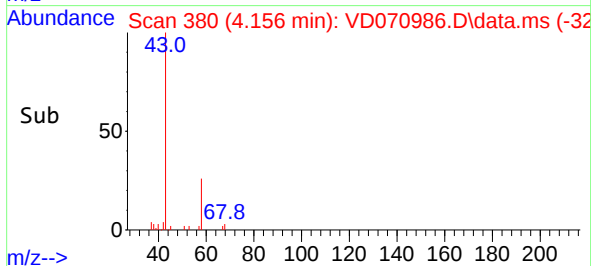


#16
Acetone
Concen: 58.335 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

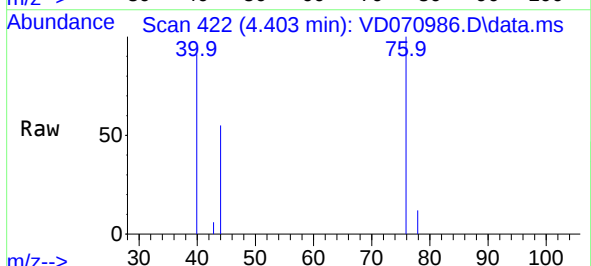
Instrument :
MSVOA_D
ClientSampleId :



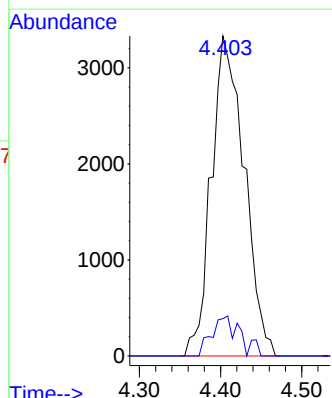
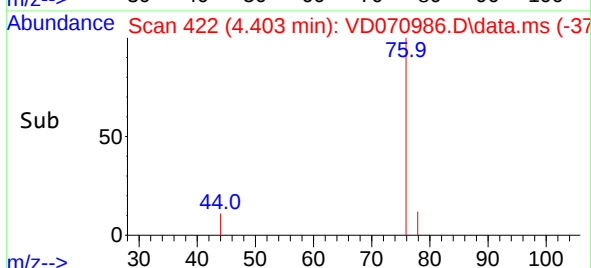
Tgt Ion: 43 Resp: 29783
Ion Ratio Lower Upper
43 100
58 25.0 27.8 41.8#

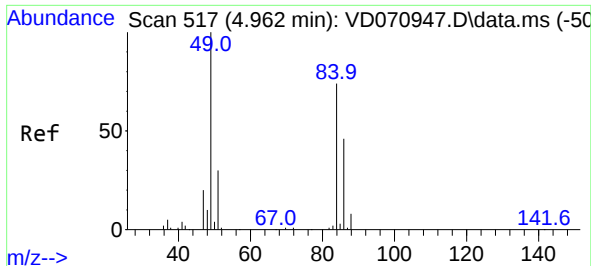


#17
Carbon Disulfide
Concen: 1.235 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37



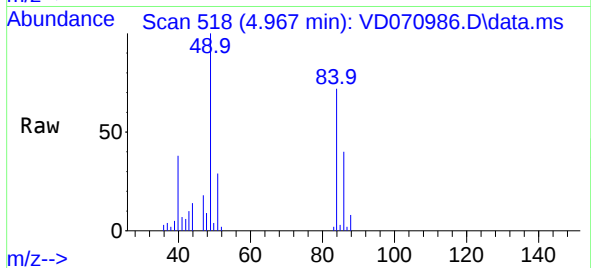
Tgt Ion: 76 Resp: 9368
Ion Ratio Lower Upper
76 100
78 11.7 7.8 11.8





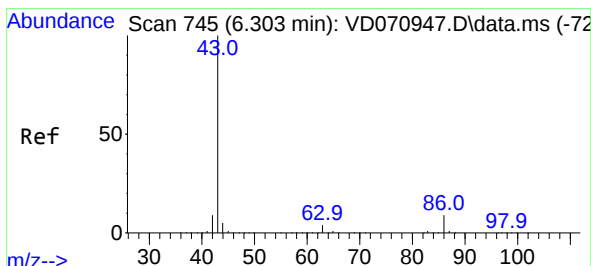
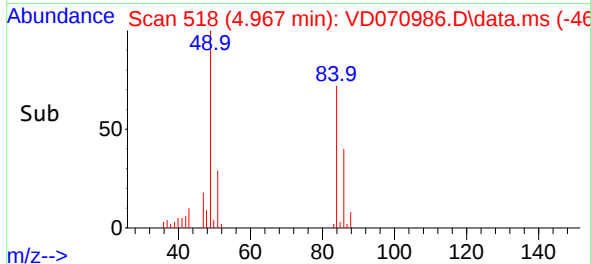
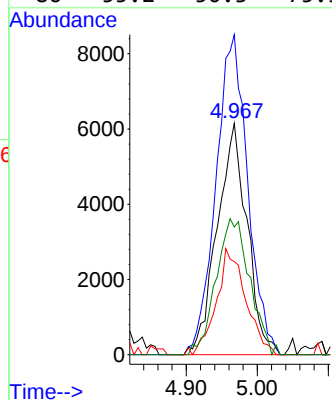
#20
Methylene Chloride
Concen: 5.641 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 18027

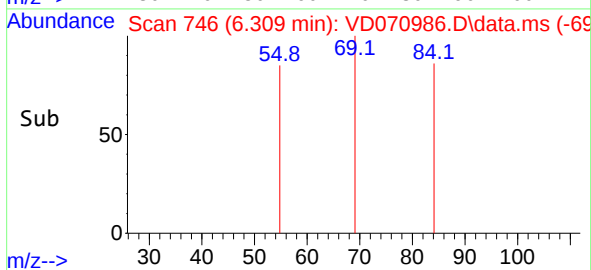
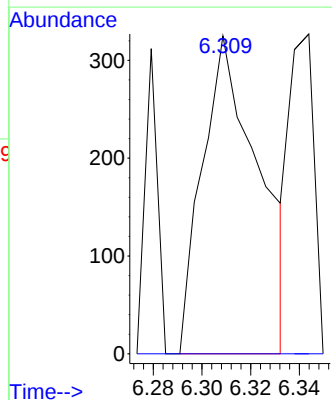
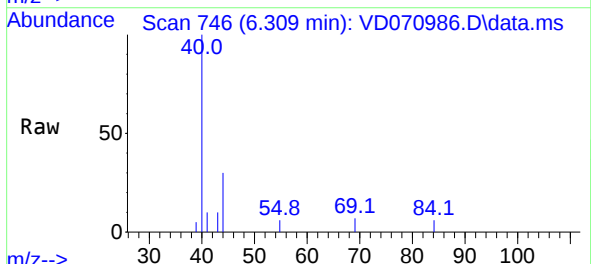
Ion	Ratio	Lower	Upper
84	100		
49	138.3	95.8	143.6
51	40.3	30.9	46.3
86	55.2	50.3	75.5

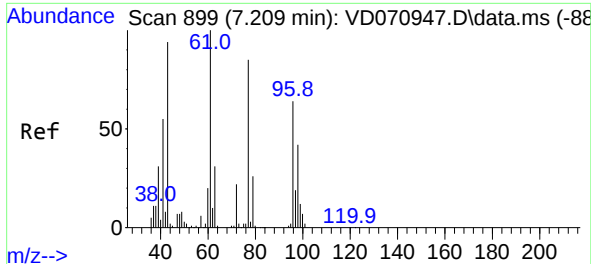


#23
Vinyl Acetate
Concen: 21.075 ug/l
RT: 6.309 min Scan# 746
Delta R.T. 0.006 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Tgt Ion: 43 Resp: 522

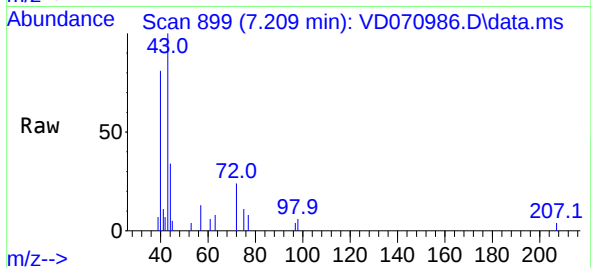
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4



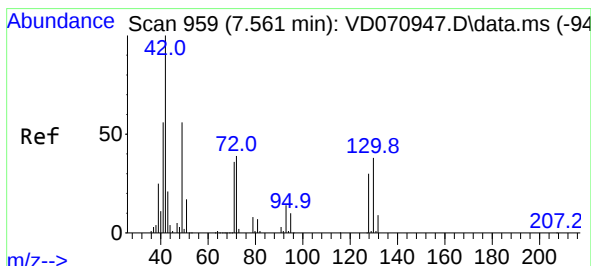
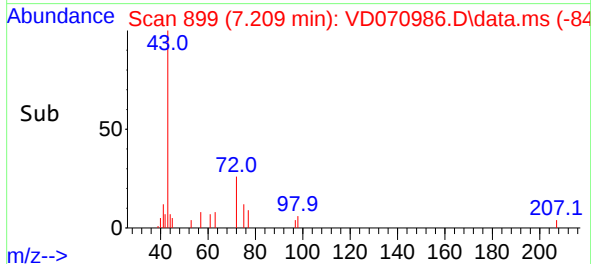
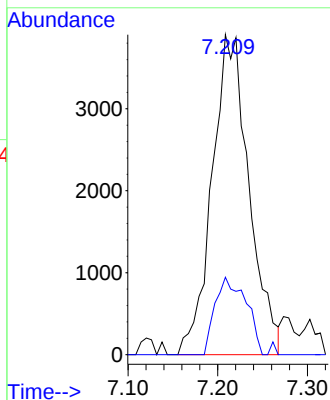


#25
2-Butanone
Concen: 31.529 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Instrument :
MSVOA_D
ClientSampleId :

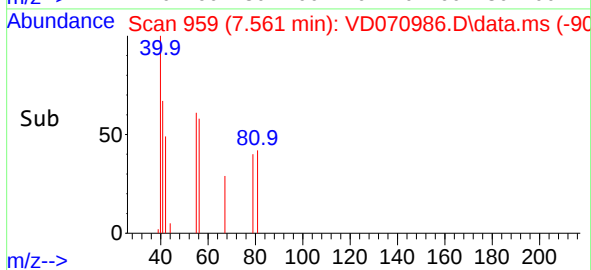
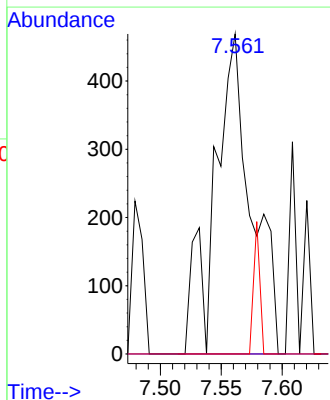
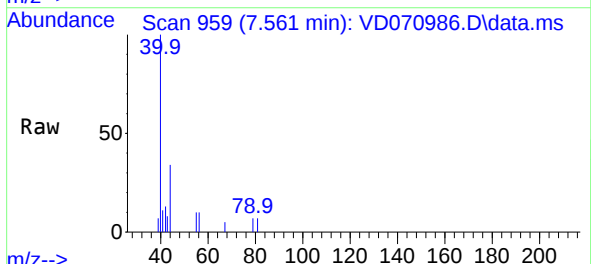


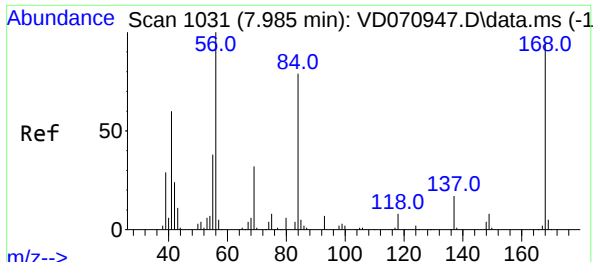
Tgt Ion: 43 Resp: 11175
Ion Ratio Lower Upper
43 100
72 24.2 23.8 35.6



#29
Tetrahydrofuran
Concen: 1.879 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

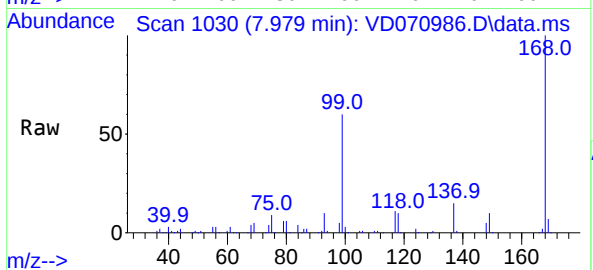
Tgt Ion: 42 Resp: 1006
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 6.8 32.7 49.1#



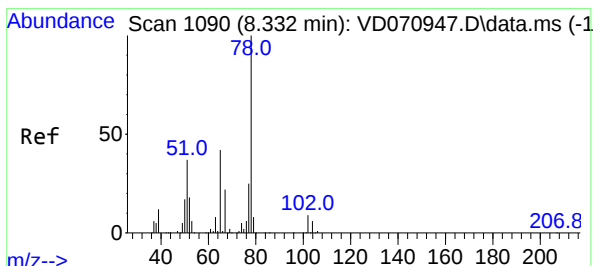
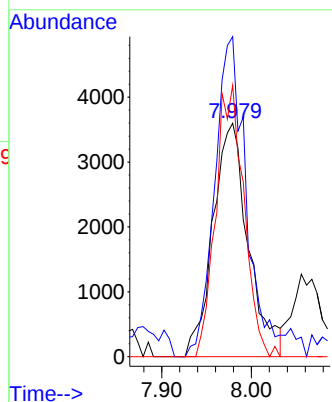
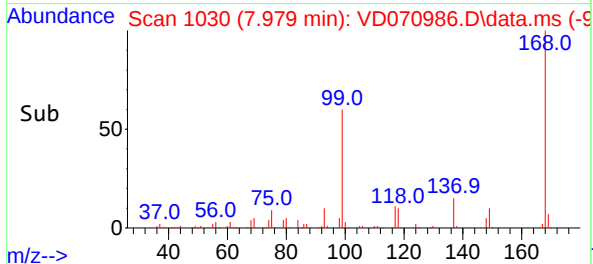


#31
Cyclohexane
Concen: 1.817 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

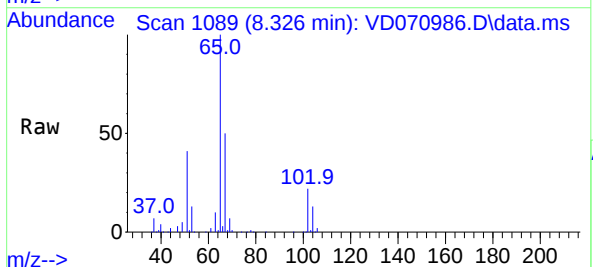
Instrument :
MSVOA_D
ClientSampleId :



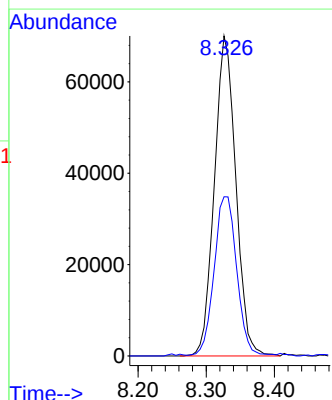
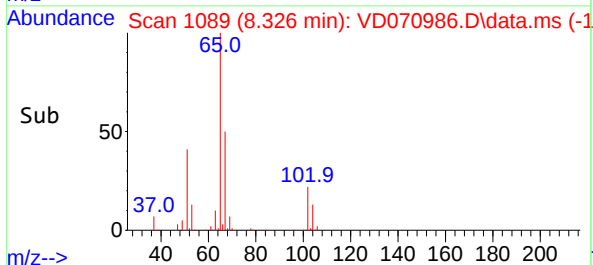
Tgt Ion: 56 Resp: 9848
Ion Ratio Lower Upper
56 100
69 137.1 25.9 38.9#
84 116.3 64.3 96.5#

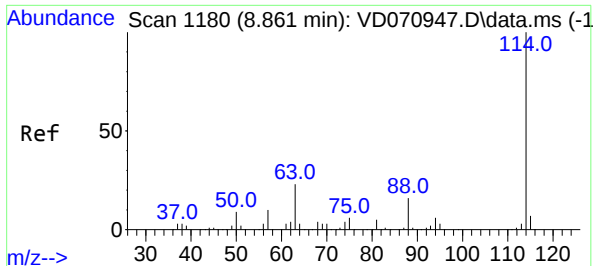


#33
1,2-Dichloroethane-d4
Concen: 58.235 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37



Tgt Ion: 65 Resp: 153450
Ion Ratio Lower Upper
65 100
67 51.8 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: VD070986.D

Acq: 11 Nov 2021 12:37

Instrument :

MSVOA_D

ClientSampleId :

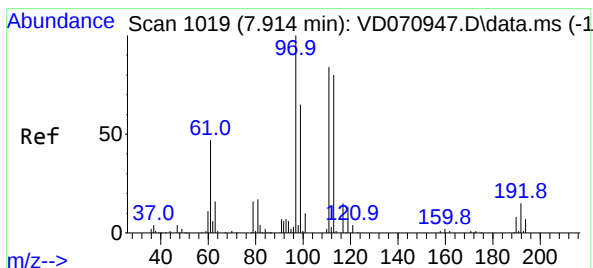
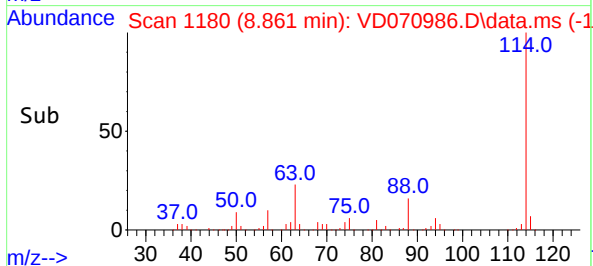
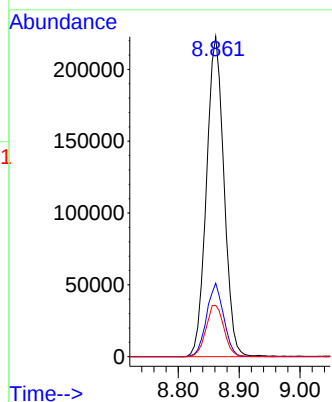
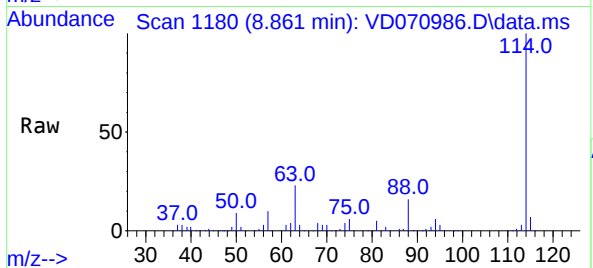
Tgt Ion:114 Resp: 444998

Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 55.704 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070986.D

Acq: 11 Nov 2021 12:37

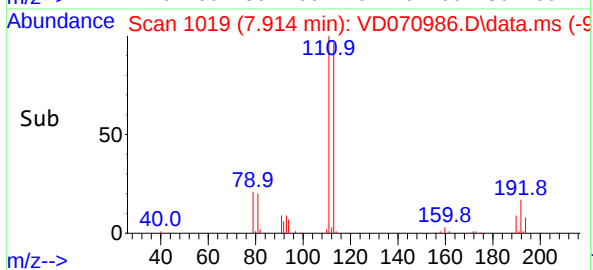
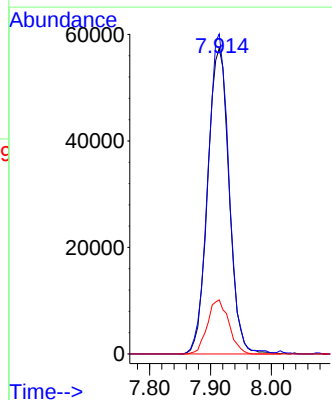
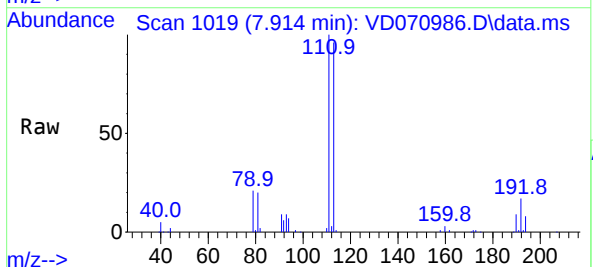
Tgt Ion:113 Resp: 139875

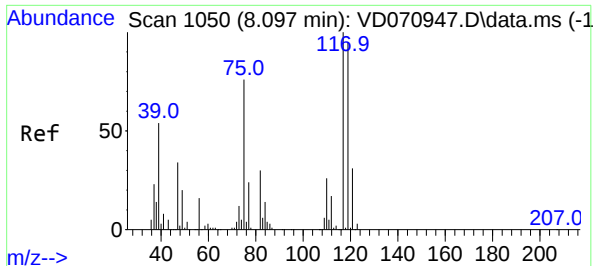
Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

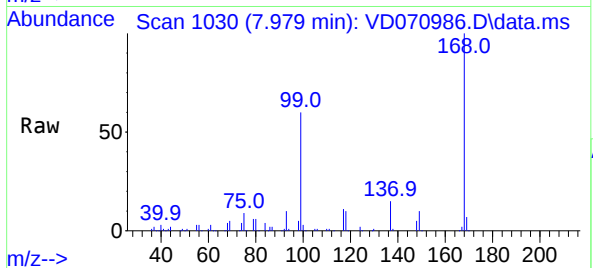
192 17.7 15.2 22.8



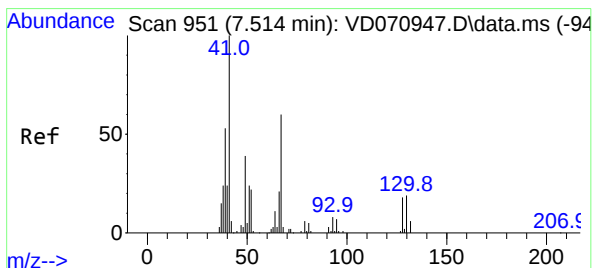
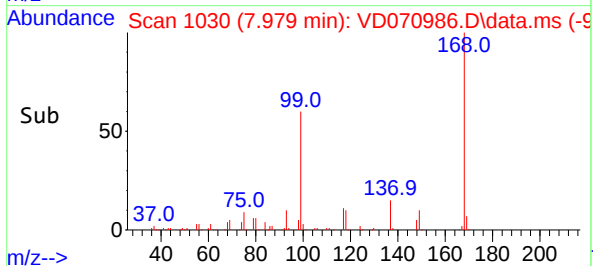
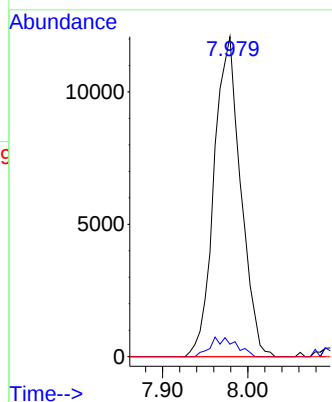


#38
Carbon Tetrachloride
Concen: 7.185 ug/l
RT: 7.979 min Scan# 117
Delta R.T. -0.118 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Instrument :
MSVOA_D
ClientSampleId :

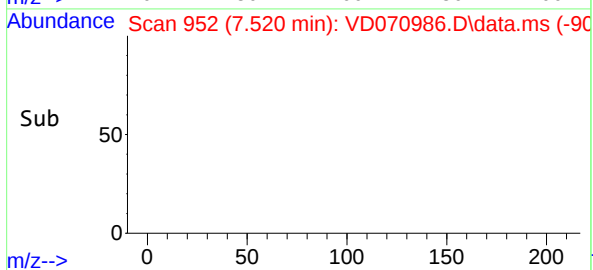
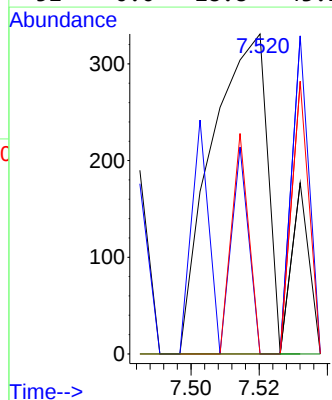
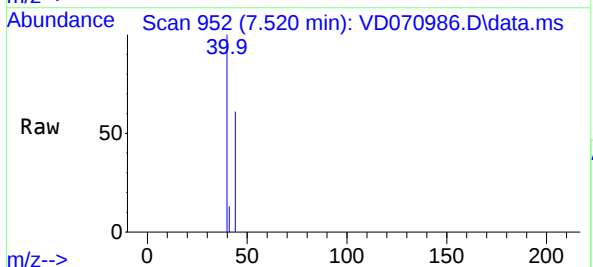


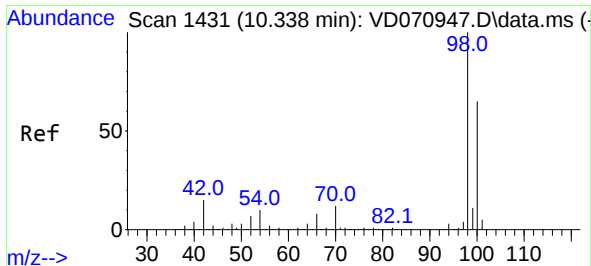
Tgt Ion:117 Resp: 26290
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 3.766 ug/l
RT: 7.520 min Scan# 952
Delta R.T. 0.006 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Tgt Ion: 41 Resp: 373
Ion Ratio Lower Upper
41 100
39 31.1 60.2 90.4#
67 26.8 74.8 112.2#
52 0.0 28.8 43.2#

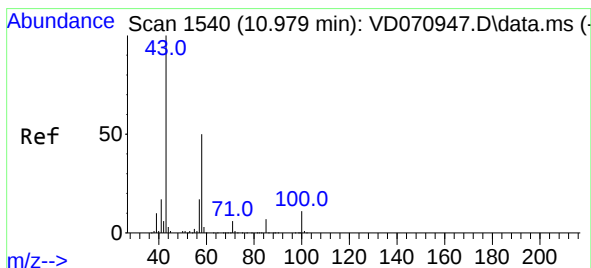
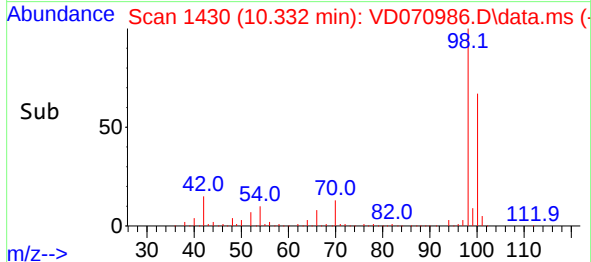
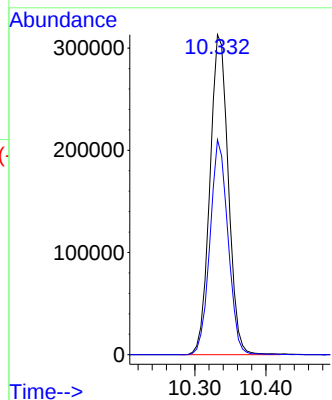
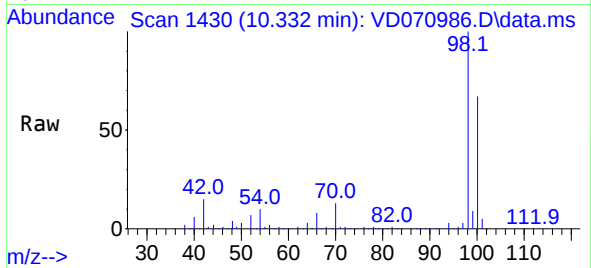




#50
Toluene-d8
Concen: 57.293 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

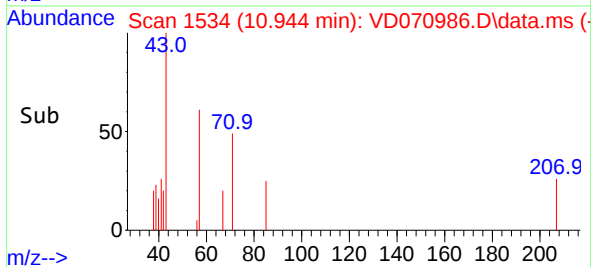
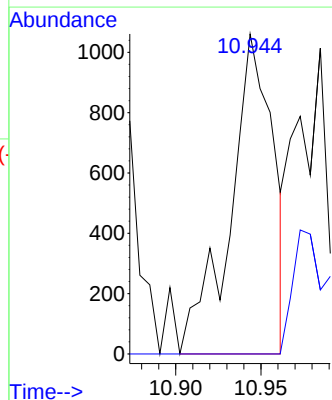
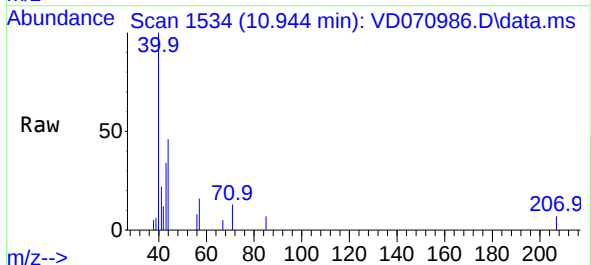
Instrument :
MSVOA_D
ClientSampleId :

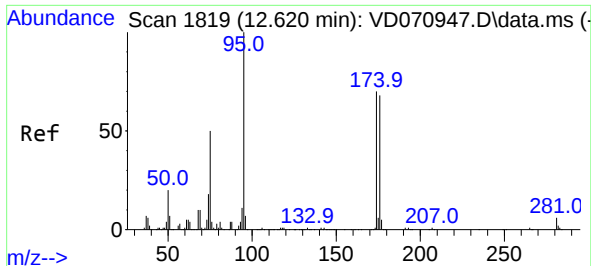
Tgt Ion: 98 Resp: 563407
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#59
2-Hexanone
Concen: 17.130 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Tgt Ion: 43 Resp: 1856
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

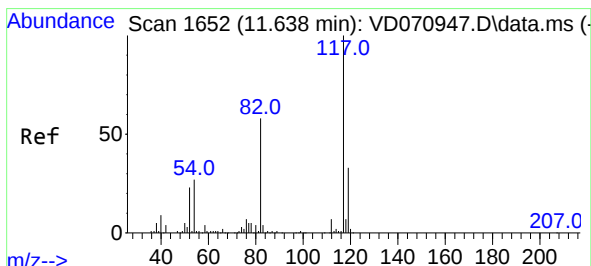
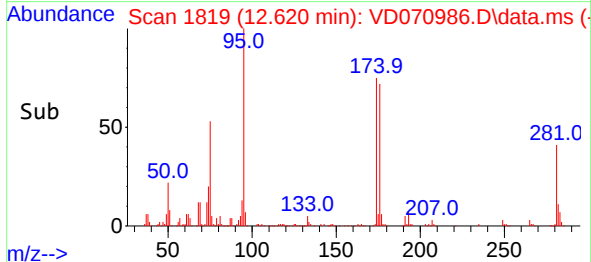
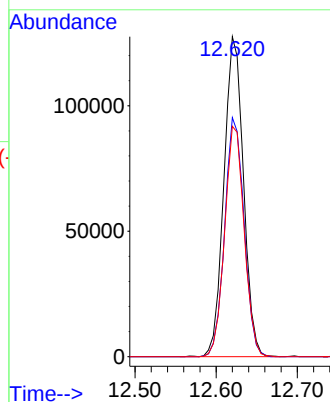
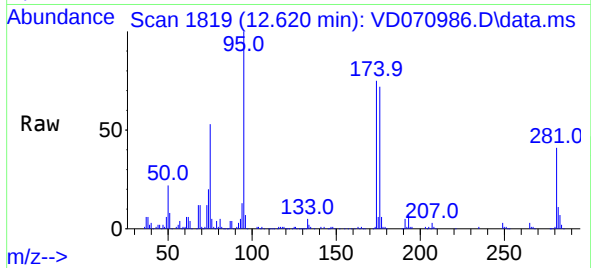




#62
4-Bromofluorobenzene
Concen: 60.144 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

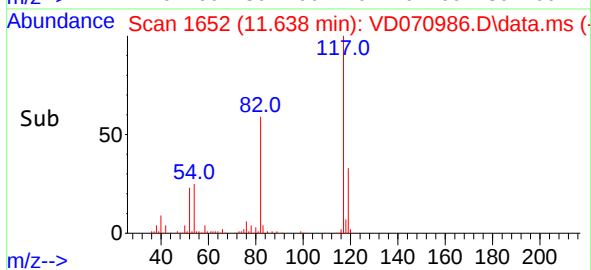
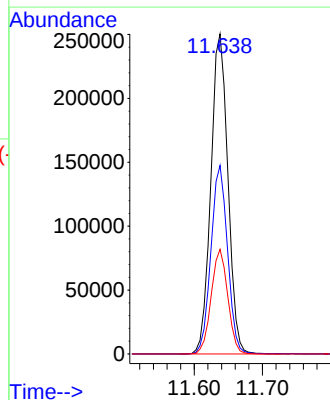
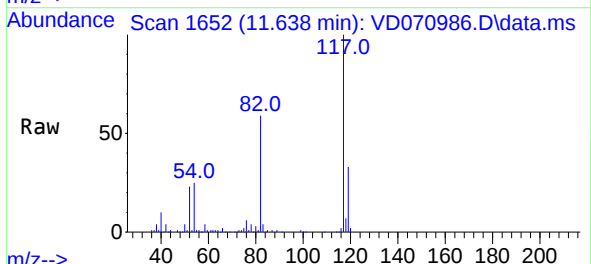
Instrument :
MSVOA_D
ClientSampleId :

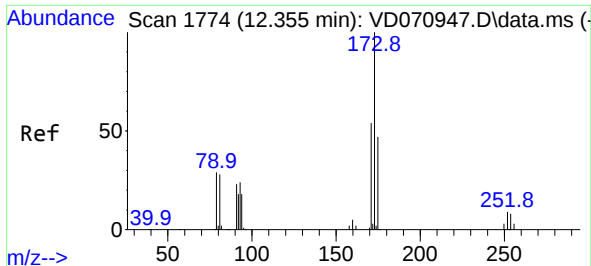
Tgt Ion: 95 Resp: 212955
Ion Ratio Lower Upper
95 100
174 74.2 0.0 159.4
176 72.1 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Tgt Ion: 117 Resp: 436355
Ion Ratio Lower Upper
117 100
82 58.9 44.7 67.1
119 32.7 26.2 39.4

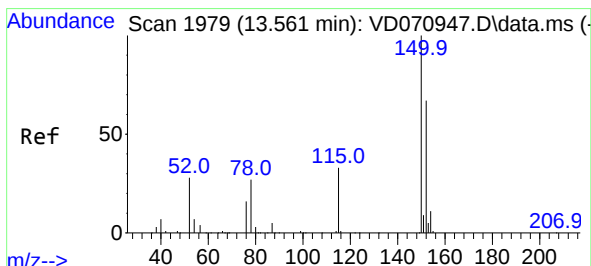
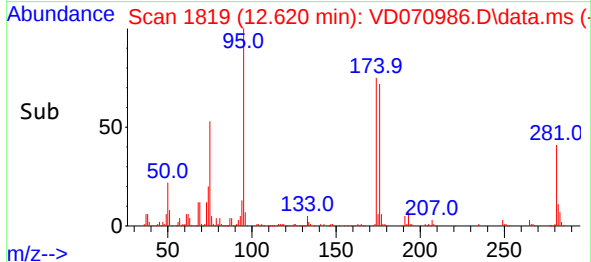
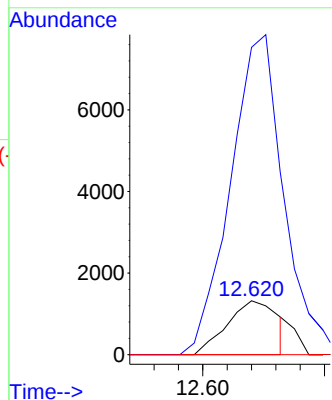
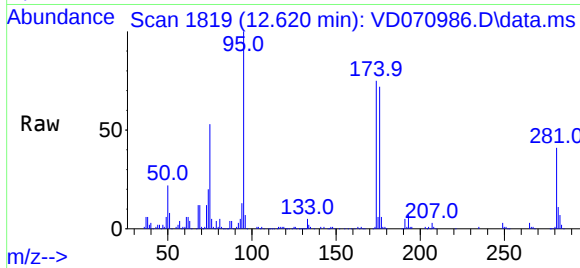




#71
Bromoform
Concen: 1.325 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

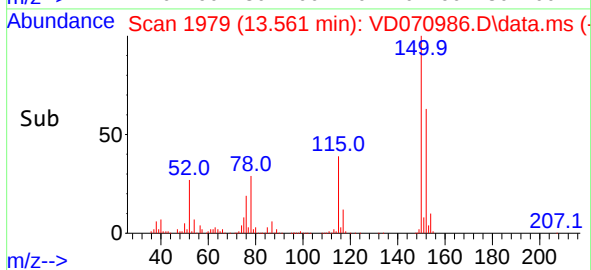
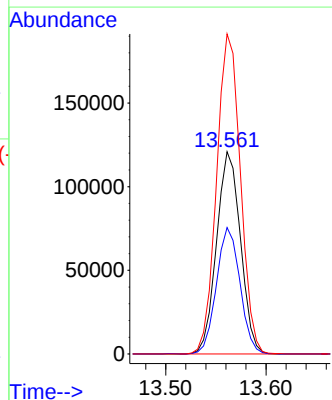
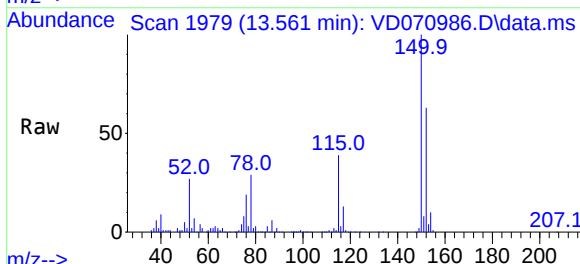
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:173 Resp: 1910
Ion Ratio Lower Upper
173 100
175 552.7 24.1 72.2#
254 0.0 0.1 0.1#

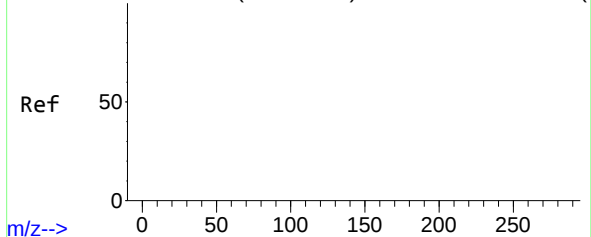


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

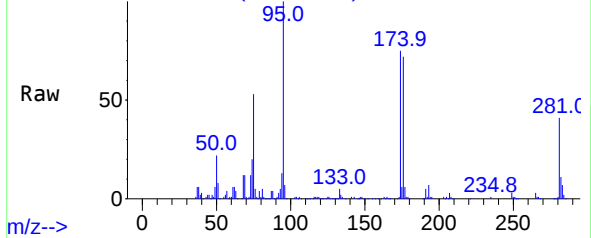
Tgt Ion:152 Resp: 199856
Ion Ratio Lower Upper
152 100
115 61.5 29.8 89.3
150 157.8 0.0 349.2



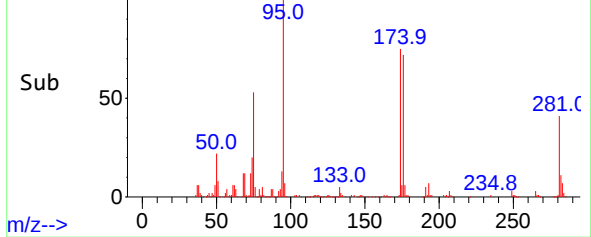
Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-



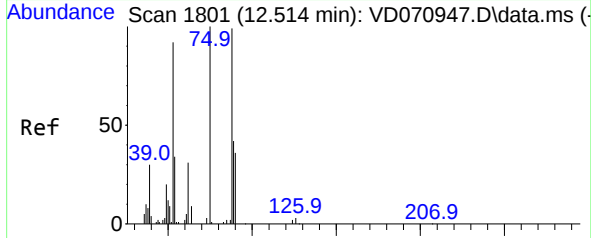
Ref



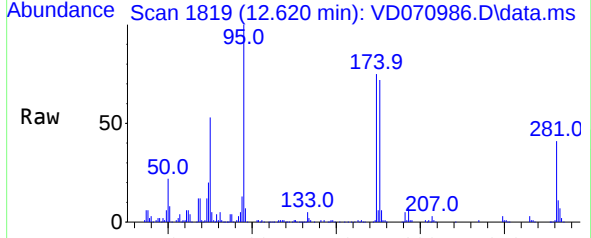
Raw



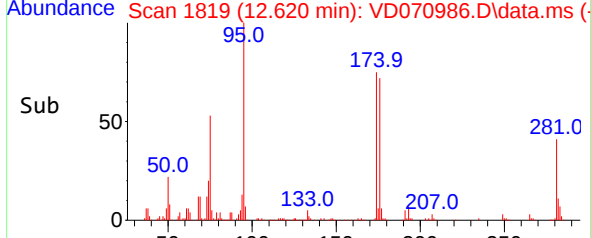
Sub



Ref



Raw



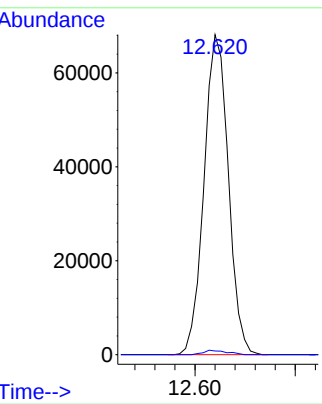
Sub

m/z-->

#76
1,2,3-Trichloropropane
Concen: 67.104 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 114559
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.946 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070986.D
Acq: 11 Nov 2021 12:37

Tgt Ion: 75 Resp: 114559
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.7 34.5 51.7#

