

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD070997.D
 Acq On : 11 Nov 2021 17:52
 Operator : VA/SY
 Sample : M4583-05
 Misc : 5.31G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:03:26 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)

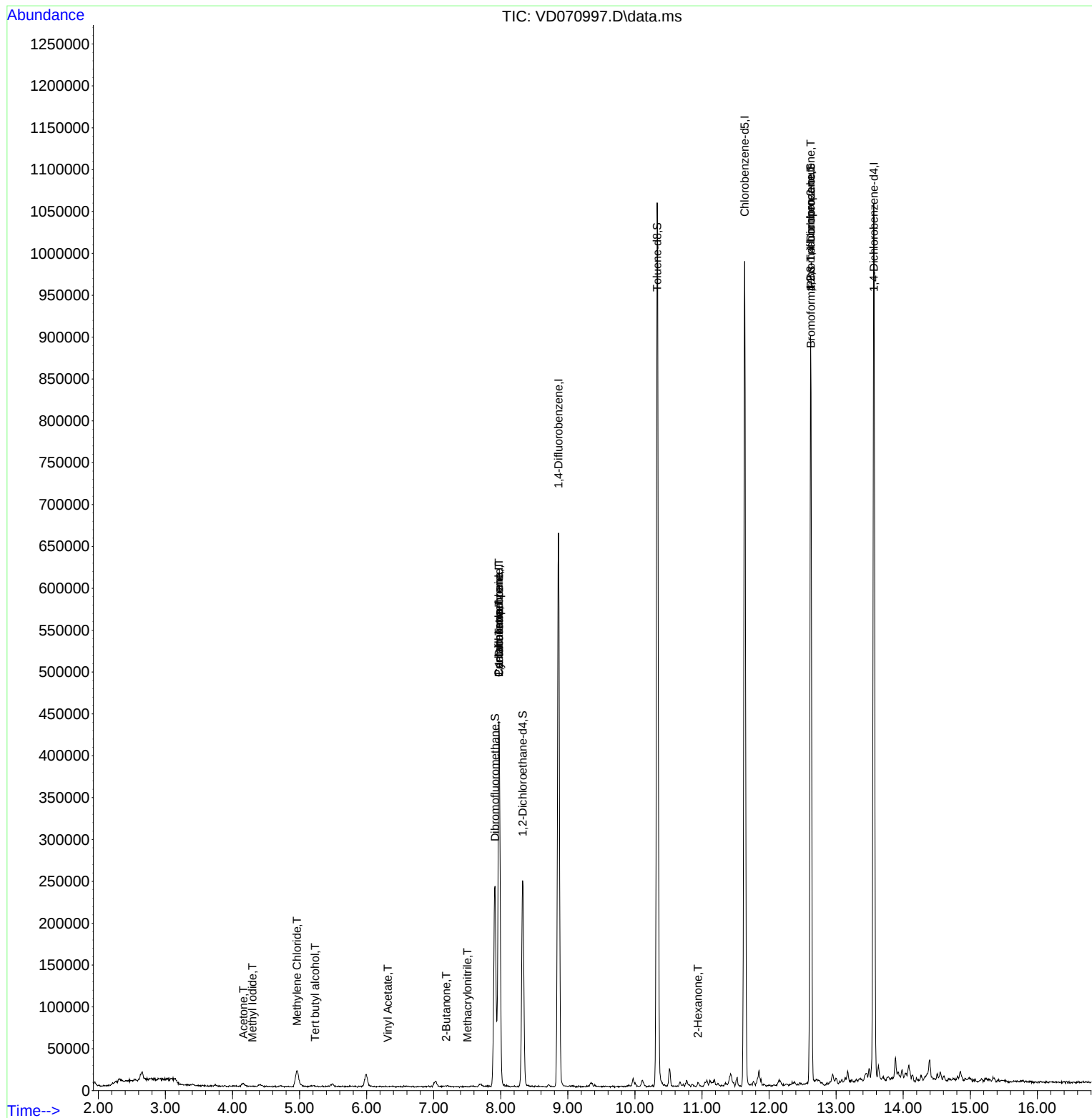
Internal Standards						
1) Pentafluorobenzene	7.973	168	316806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	548033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	550463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	192092	56.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.900%	
35) Dibromofluoromethane	7.914	113	171542	55.471	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.940%	
50) Toluene-d8	10.332	98	701209	57.900	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.800%	
62) 4-Bromofluorobenzene	12.620	95	275655	63.215	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.420%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	179	6.065	ug/l #	40
11) Tert butyl alcohol	5.232	59	494	2.004	ug/l #	71
13) Acrolein	3.961	56	61	Below Cal	#	33
16) Acetone	4.161	43	7162	27.036	ug/l	91
20) Methylene Chloride	4.961	84	13837	3.211	ug/l	92
23) Vinyl Acetate	6.314	43	82	20.994	ug/l #	72
25) 2-Butanone	7.185	43	159	20.491	ug/l #	45
31) Cyclohexane	7.973	56	8799	1.268	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	27284	5.576	ug/l #	49
38) Carbon Tetrachloride	7.973	117	33881	7.519	ug/l #	15
41) Methacrylonitrile	7.502	41	63	3.542	ug/l #	12
59) 2-Hexanone	10.938	43	2598	17.293	ug/l #	22
71) Bromoform	12.626	173	2334	1.284	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	144543	65.035	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	144543	120.227	ug/l #	18

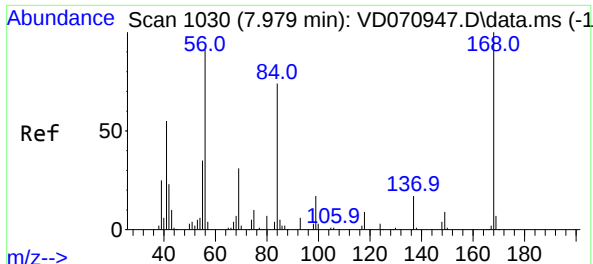
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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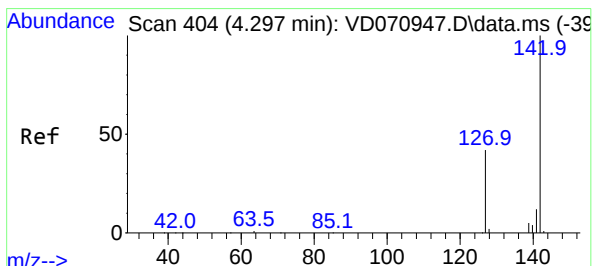
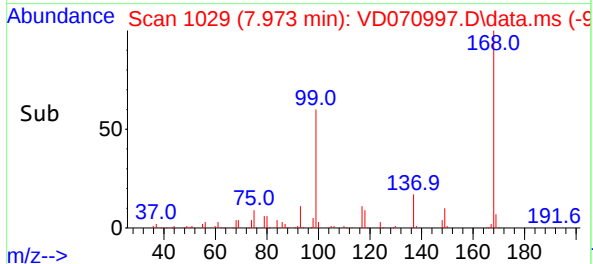
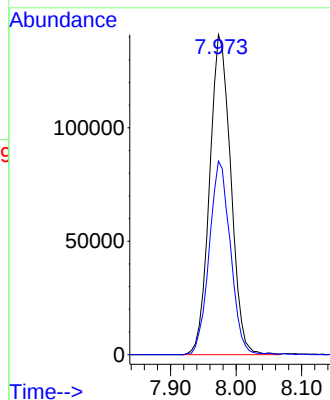
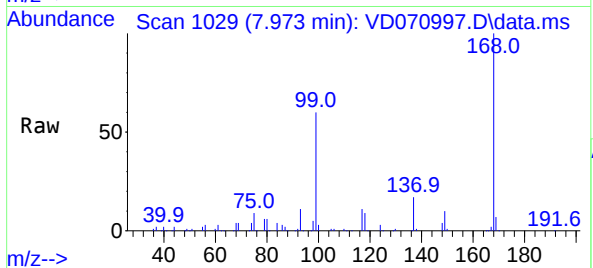




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

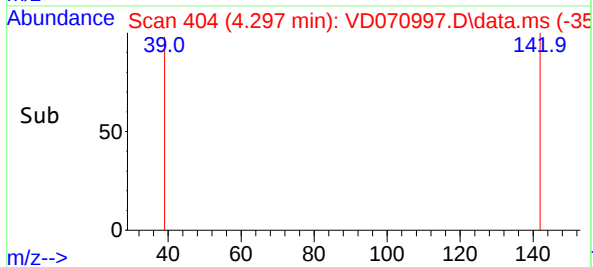
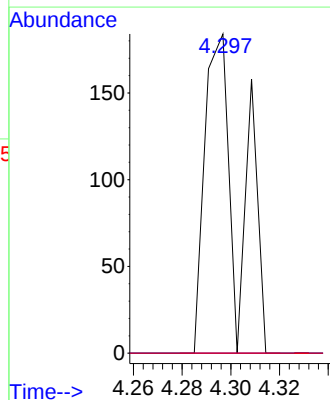
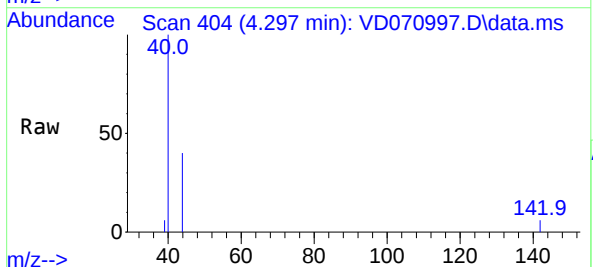
Instrument :
MSVOA_D
ClientSampleId :

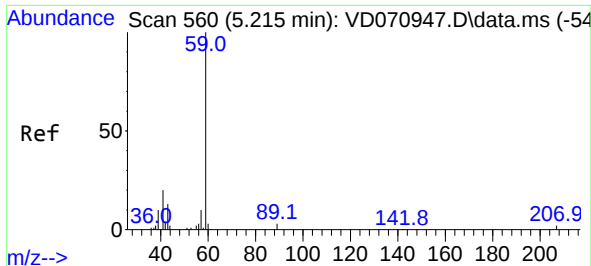
Tgt Ion:168 Resp: 316806
Ion Ratio Lower Upper
168 100
99 60.5 46.6 69.8



#10
Methyl Iodide
Concen: 6.065 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

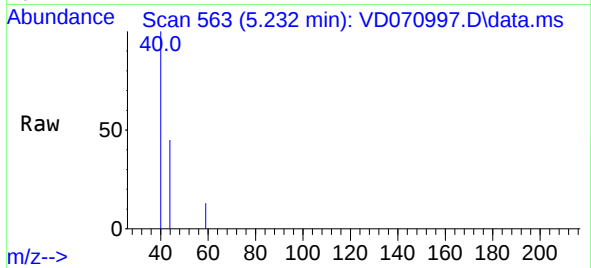
Tgt Ion:142 Resp: 179
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



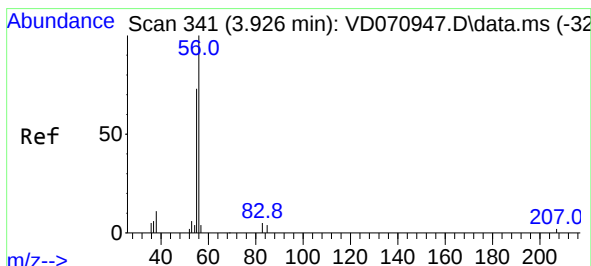
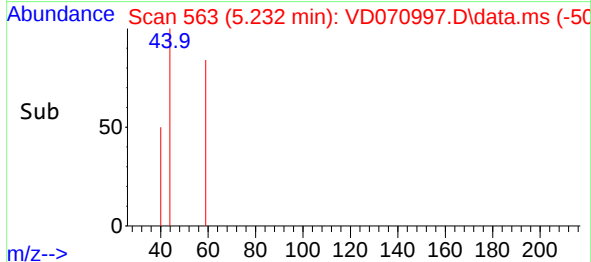
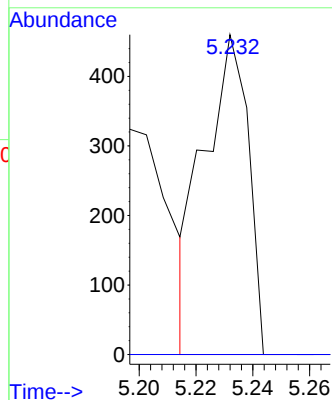


#11
Tert butyl alcohol
Concen: 2.004 ug/l
RT: 5.232 min Scan# 50
Delta R.T. 0.017 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

Instrument :
MSVOA_D
ClientSampleId :

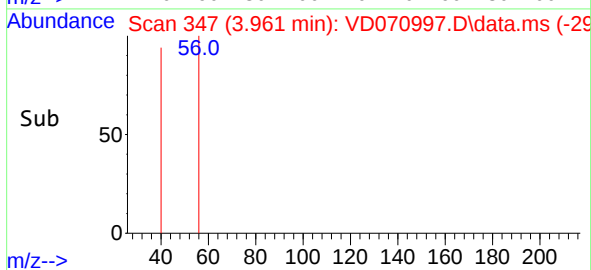
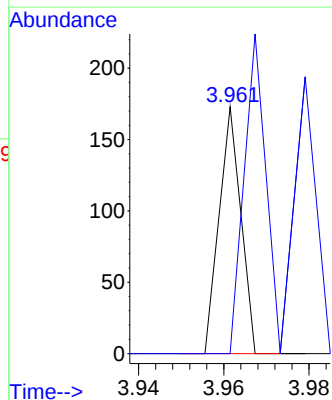
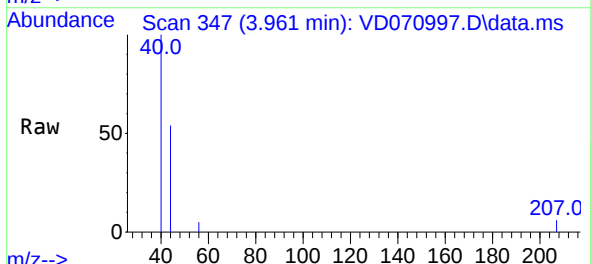


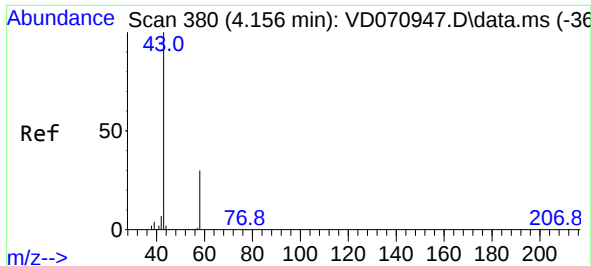
Tgt Ion: 59 Resp: 494
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: Below Cal
RT: 3.961 min Scan# 347
Delta R.T. 0.035 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

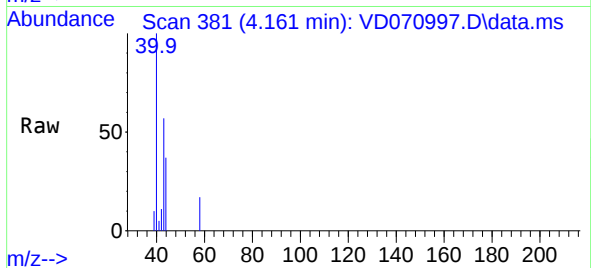
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 129.5 58.6 87.8#



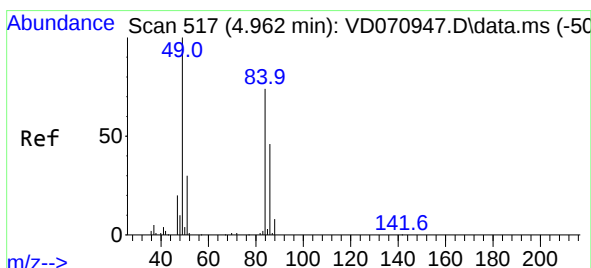
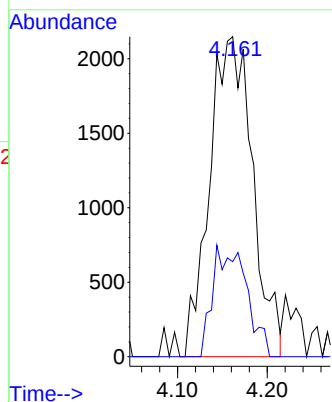
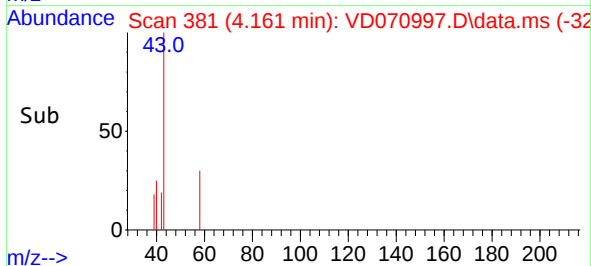


#16
Acetone
Concen: 27.036 ug/l
RT: 4.161 min Scan# 380
Delta R.T. 0.005 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

Instrument :
MSVOA_D
ClientSampleId :

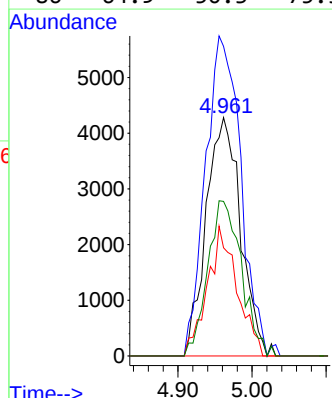
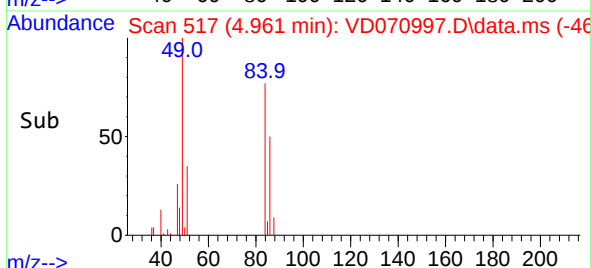
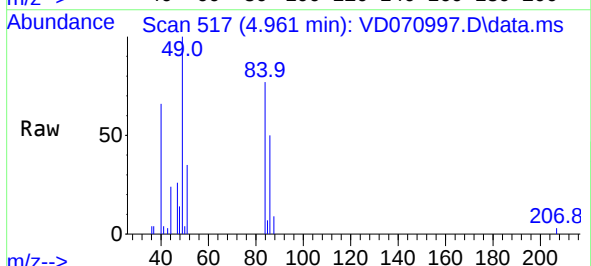


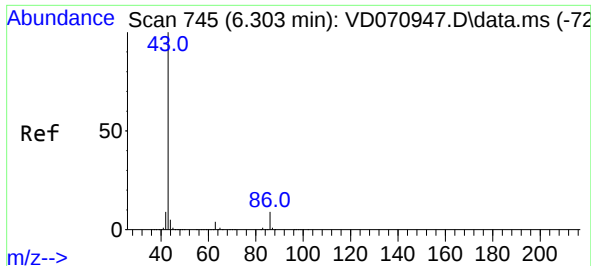
Tgt Ion: 43 Resp: 7162
Ion Ratio Lower Upper
43 100
58 29.7 27.8 41.8



#20
Methylene Chloride
Concen: 3.211 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

Tgt Ion: 84 Resp: 13837
Ion Ratio Lower Upper
84 100
49 129.8 95.8 143.6
51 45.4 30.9 46.3
86 64.9 50.3 75.5

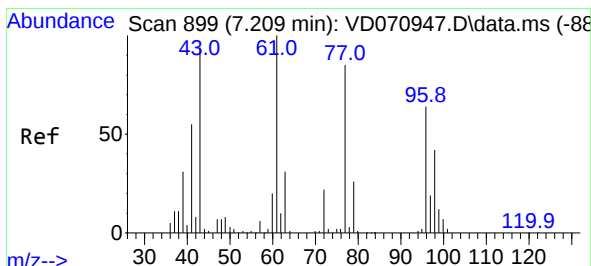
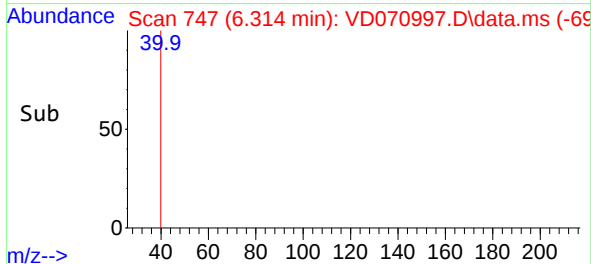
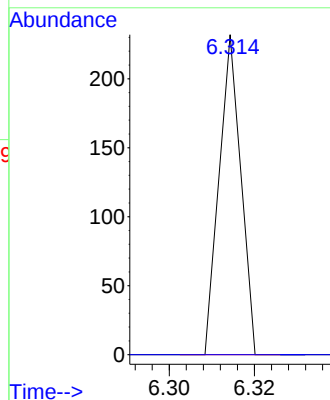
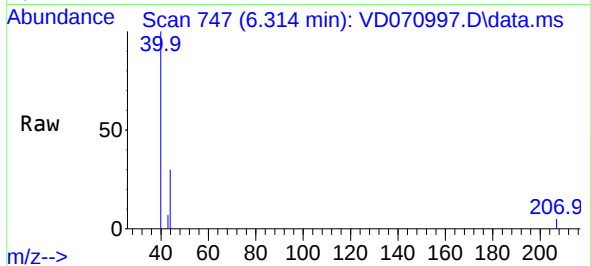




#23
 Vinyl Acetate
 Concen: 20.994 ug/l
 RT: 6.314 min Scan# 745
 Delta R.T. 0.011 min
 Lab File: VD070997.D
 Acq: 11 Nov 2021 17:52

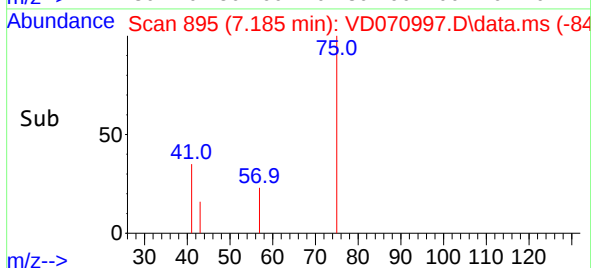
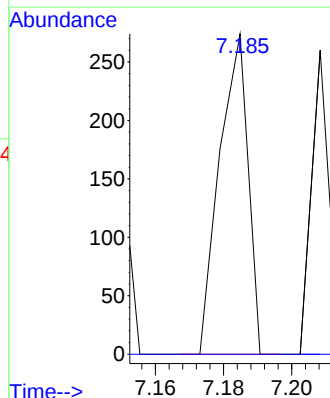
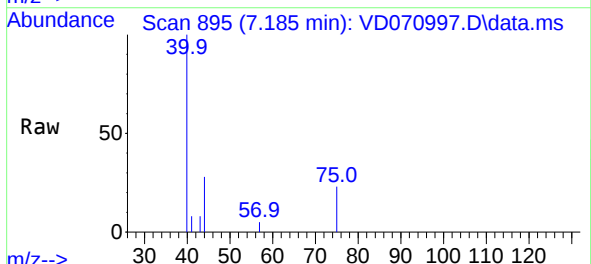
Instrument :
 MSVOA_D
 ClientSampleId :

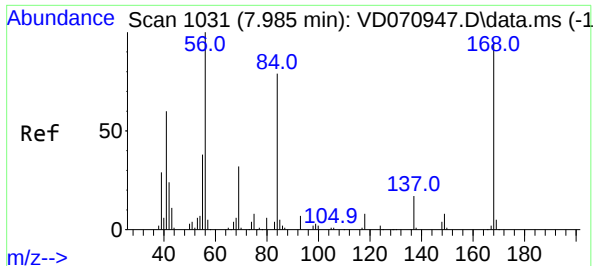
Tgt Ion: 43 Resp: 82
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 20.491 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.024 min
 Lab File: VD070997.D
 Acq: 11 Nov 2021 17:52

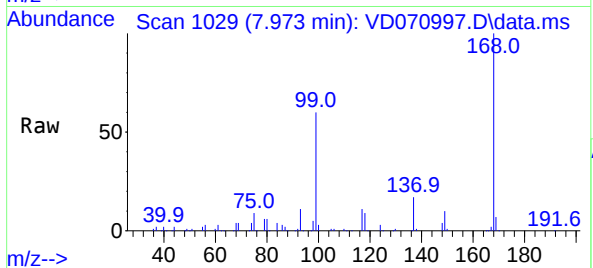
Tgt Ion: 43 Resp: 159
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



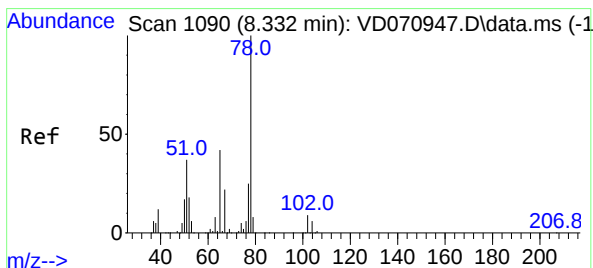
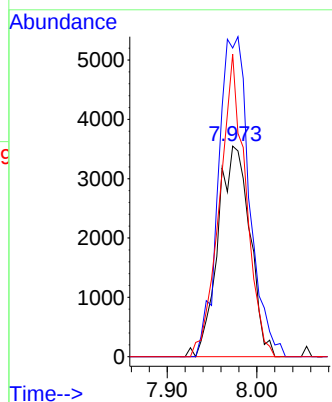
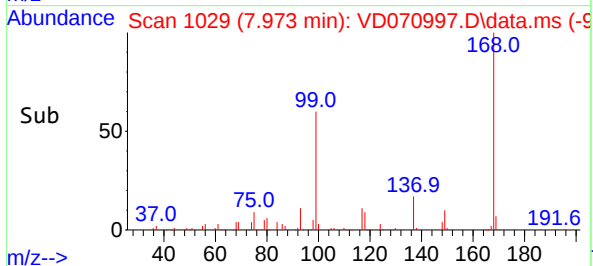


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

Instrument :
MSVOA_D
ClientSampleId :

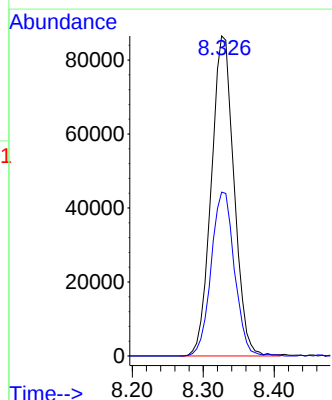
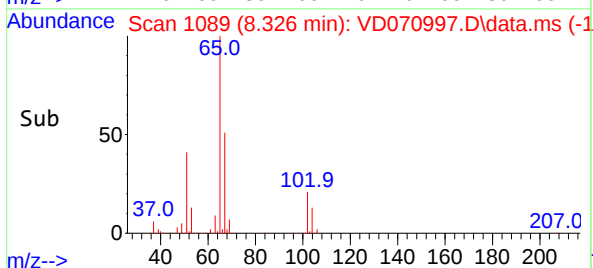
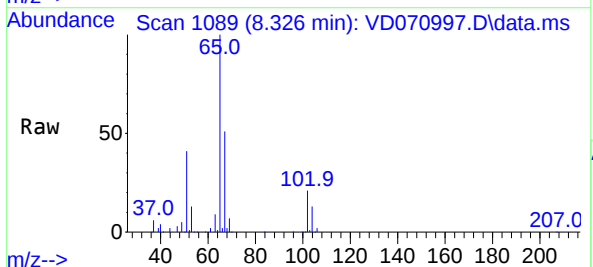


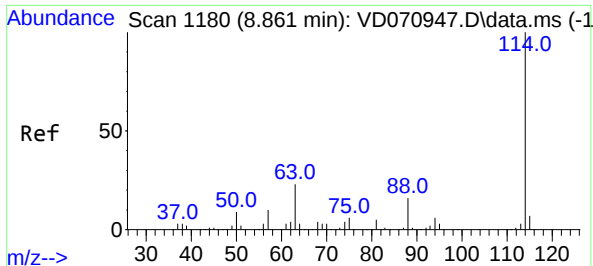
Tgt Ion: 56 Resp: 8799
Ion Ratio Lower Upper
56 100
69 146.6 25.9 38.9#
84 143.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 56.949 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

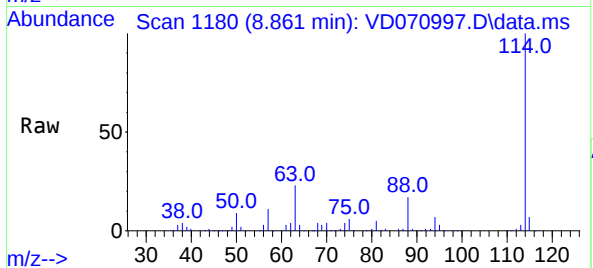
Tgt Ion: 65 Resp: 192092
Ion Ratio Lower Upper
65 100
67 52.2 0.0 112.2



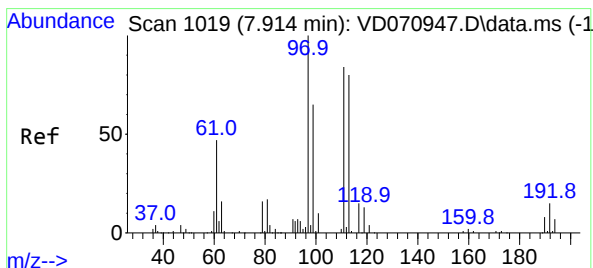
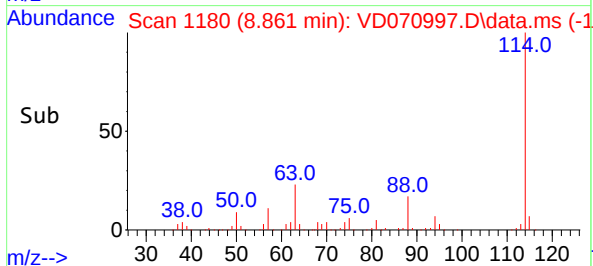
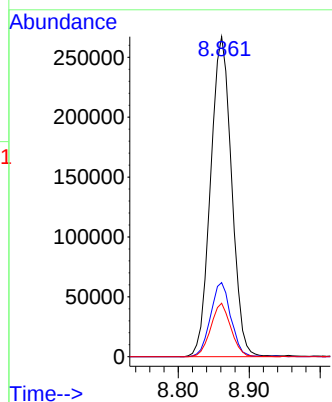


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

Instrument :
MSVOA_D
ClientSampleId :

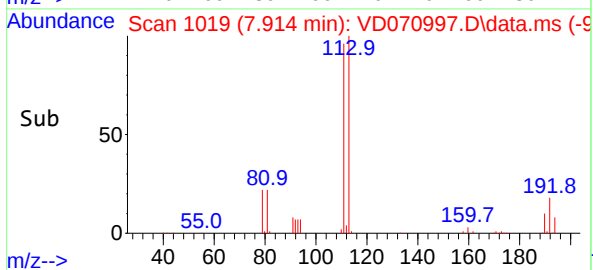
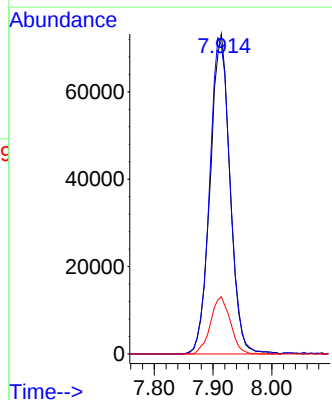
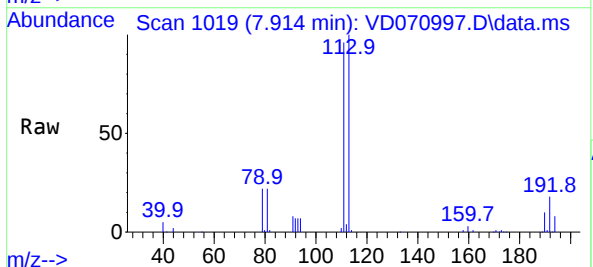


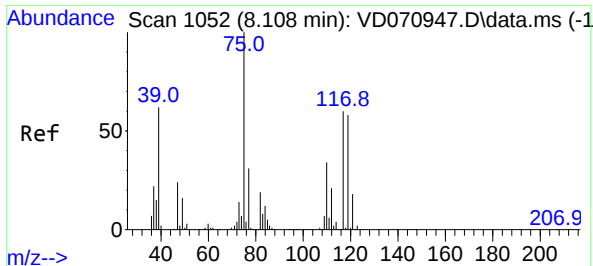
Tgt Ion:114 Resp: 548033
Ion Ratio Lower Upper
114 100
63 23.1 0.0 41.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 55.471 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

Tgt Ion:113 Resp: 171542
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 17.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.576 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070997.D

Acq: 11 Nov 2021 17:52

Instrument :

MSVOA_D

ClientSampleId :

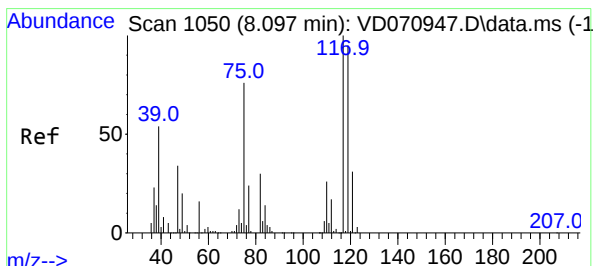
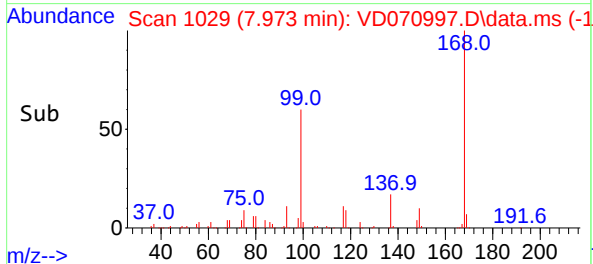
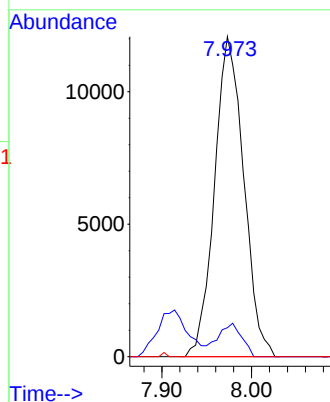
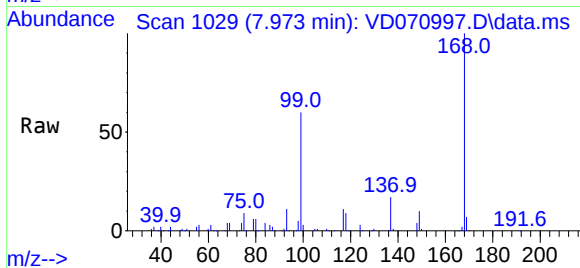
Tgt Ion: 75 Resp: 27284

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.519 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD070997.D

Acq: 11 Nov 2021 17:52

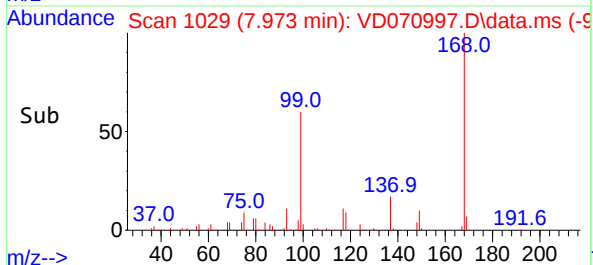
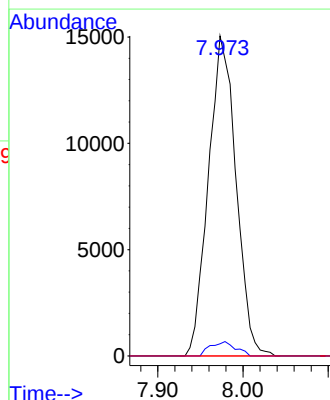
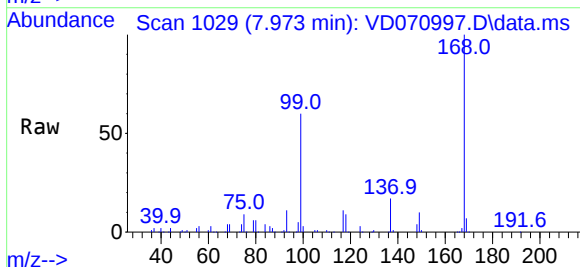
Tgt Ion: 117 Resp: 33881

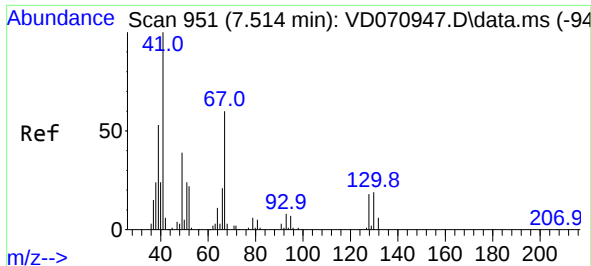
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.6#

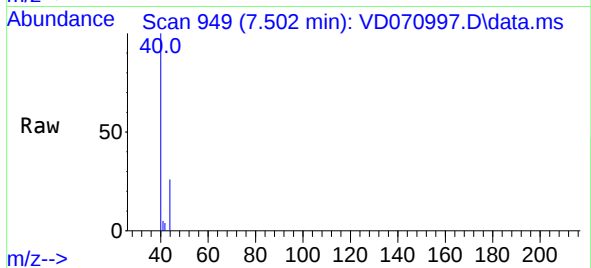
121 0.0 23.6 35.4#



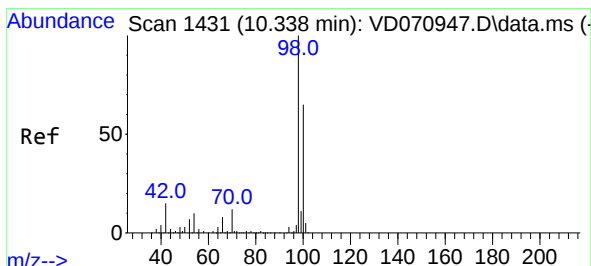
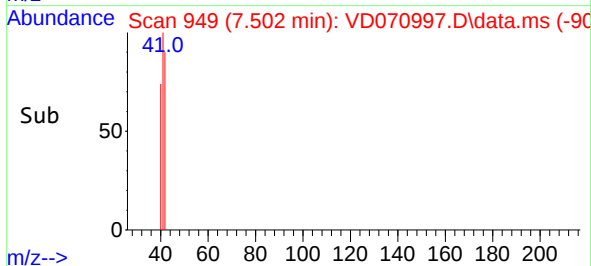
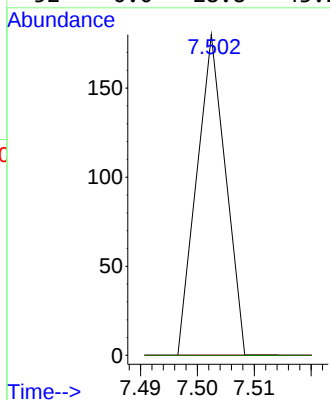


#41
Methacrylonitrile
Concen: 3.542 ug/l
RT: 7.502 min Scan# 941
Delta R.T. -0.012 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

Instrument :
MSVOA_D
ClientSampleId :

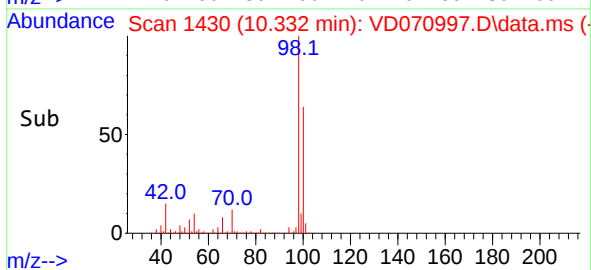
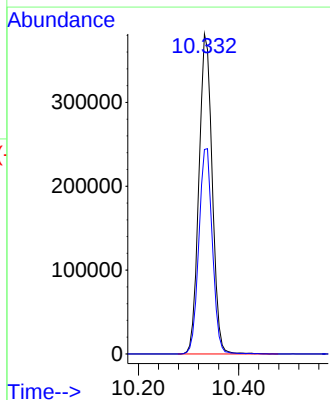
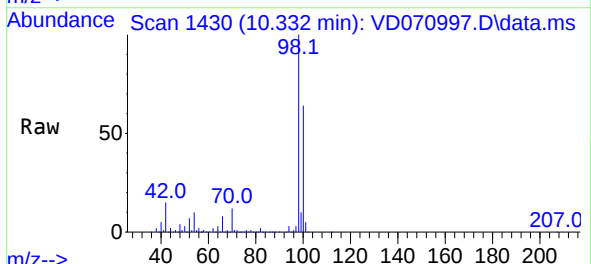


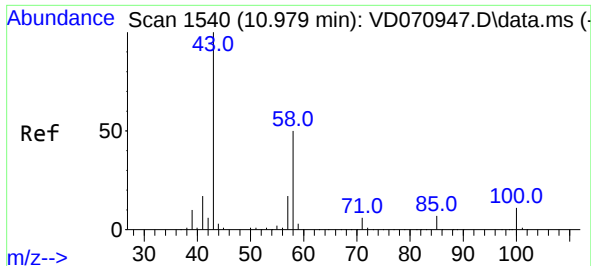
Tgt Ion:	41	Resp:	63
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#50
Toluene-d8
Concen: 57.900 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

Tgt Ion:	98	Resp:	701209
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.6

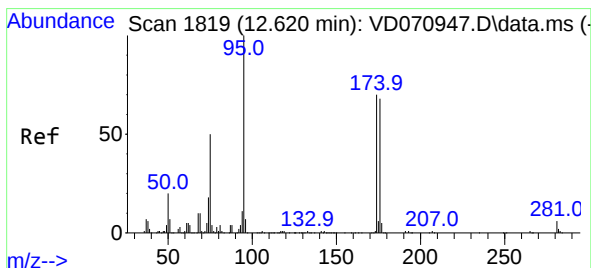
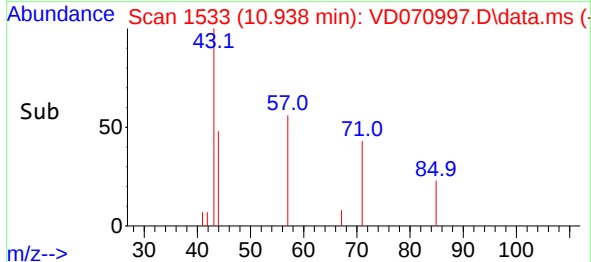
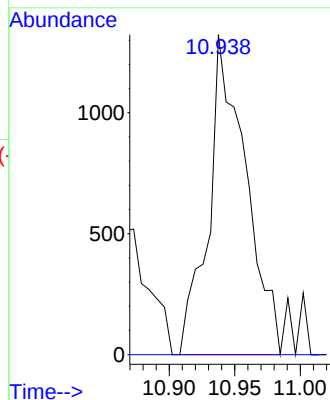
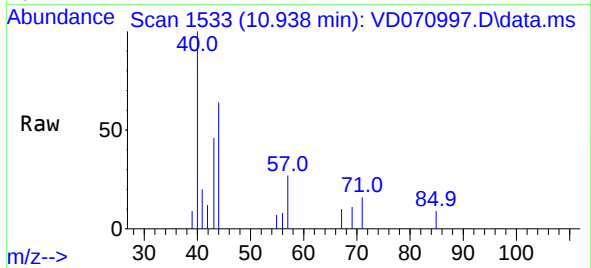




#59
2-Hexanone
Concen: 17.293 ug/l
RT: 10.938 min Scan# 11
Delta R.T. -0.041 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

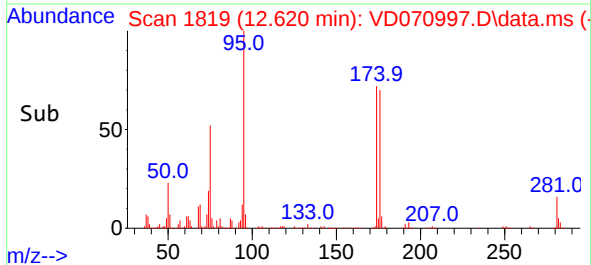
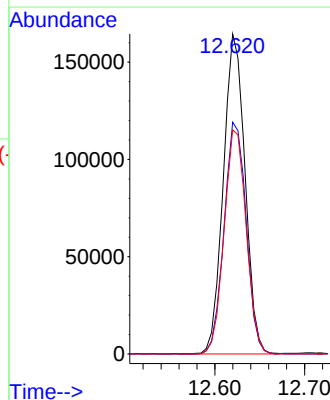
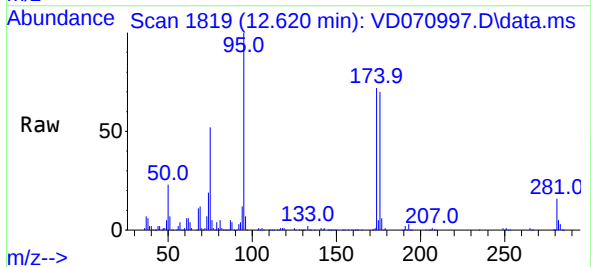
Instrument :
MSVOA_D
ClientSampleId :

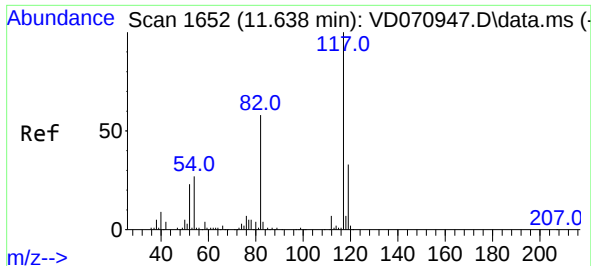
Tgt Ion: 43 Resp: 2598
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 63.215 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

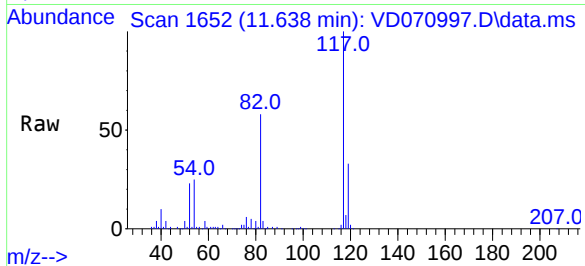
Tgt Ion: 95 Resp: 275655
Ion Ratio Lower Upper
95 100
174 73.9 0.0 159.4
176 71.4 0.0 154.0



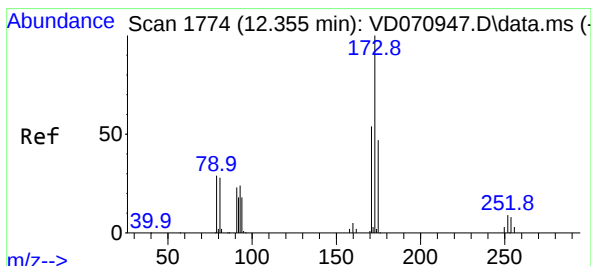
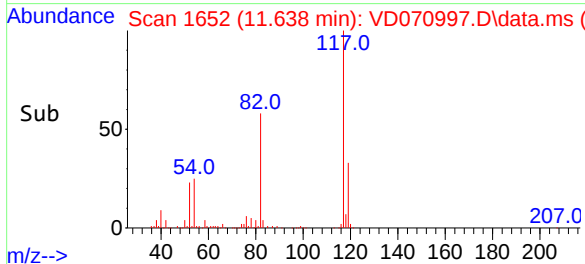
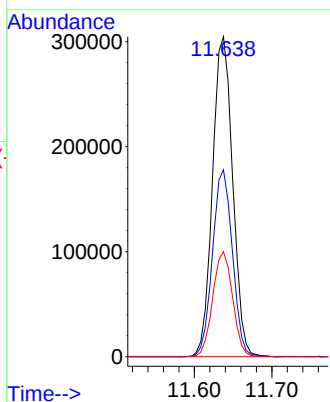


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

Instrument :
MSVOA_D
ClientSampleId :

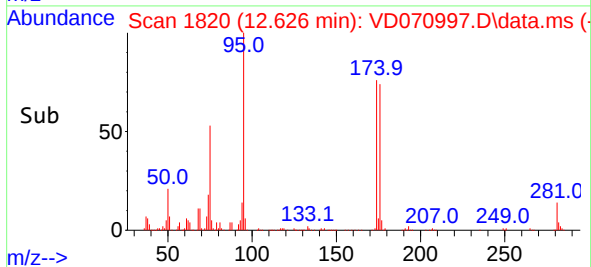
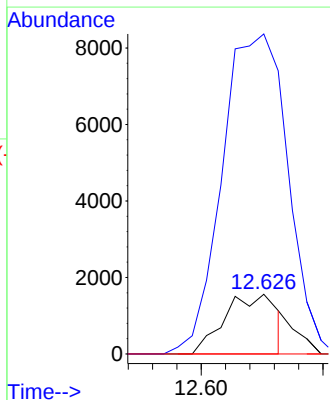
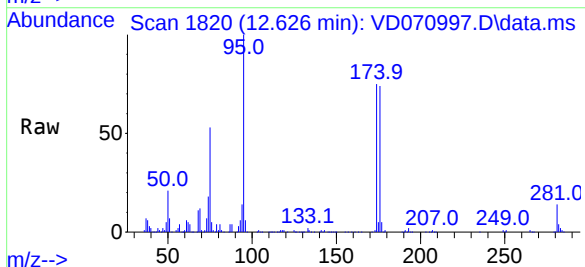


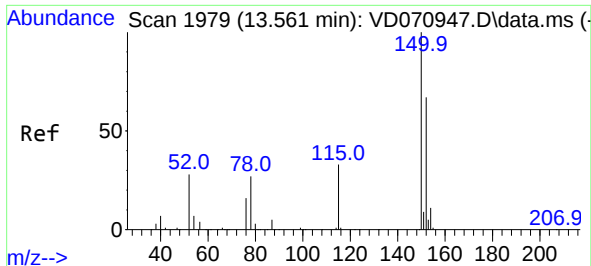
Tgt Ion:117 Resp: 550463
Ion Ratio Lower Upper
117 100
82 58.4 44.7 67.1
119 32.8 26.2 39.4



#71
Bromoform
Concen: 1.284 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD070997.D
Acq: 11 Nov 2021 17:52

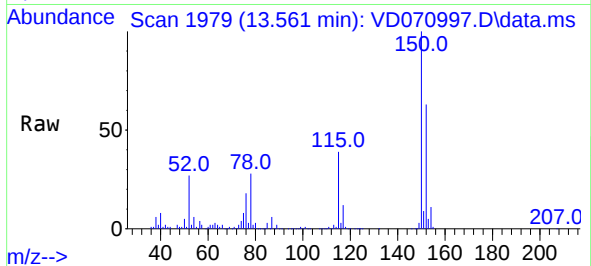
Tgt Ion:173 Resp: 2334
Ion Ratio Lower Upper
173 100
175 586.8 24.1 72.2#
254 0.0 0.1 0.1#



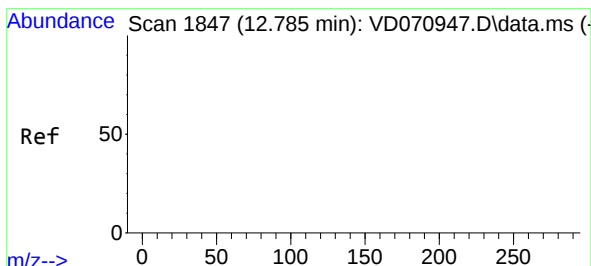
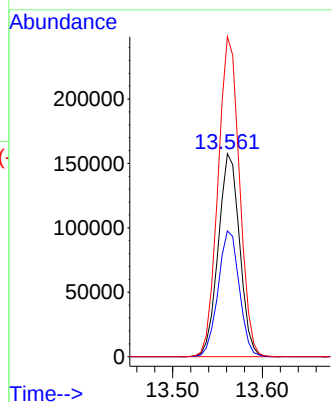
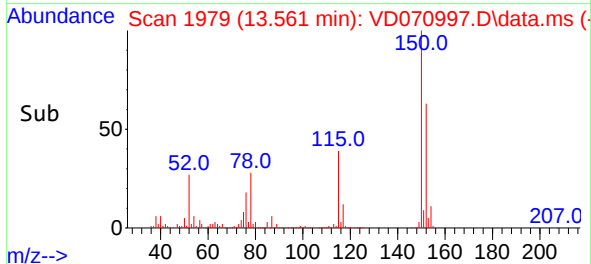


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: VD070997.D
 Acq: 11 Nov 2021 17:52

Instrument :
 MSVOA_D
 ClientSampleId :

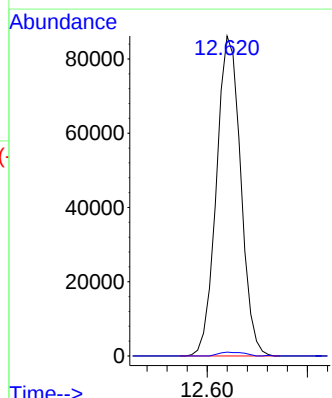
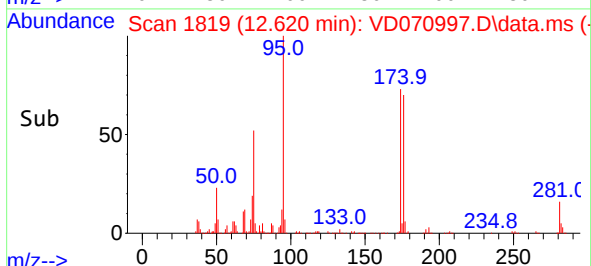
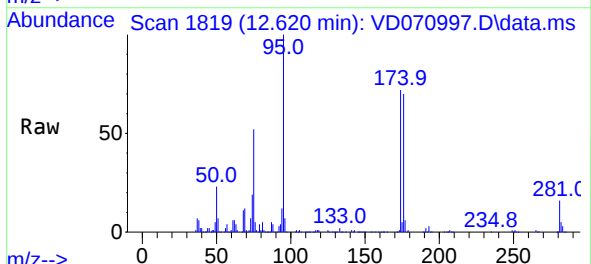


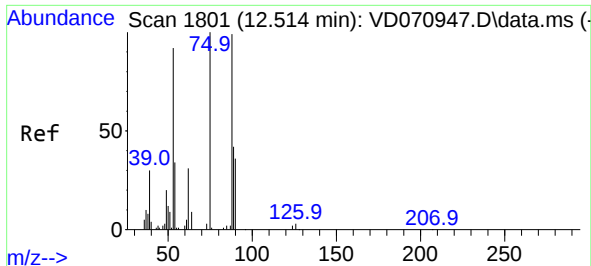
Tgt Ion:152 Resp: 260190
 Ion Ratio Lower Upper
 152 100
 115 61.5 29.8 89.3
 150 158.5 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 65.035 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.165 min
 Lab File: VD070997.D
 Acq: 11 Nov 2021 17:52

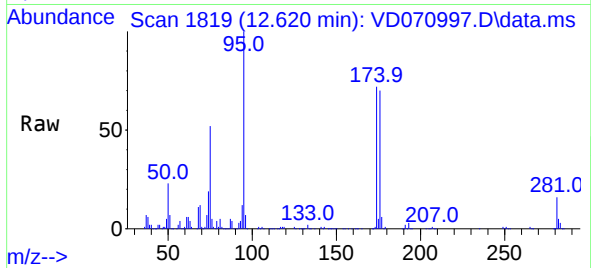
Tgt Ion: 75 Resp: 144543
 Ion Ratio Lower Upper
 75 100
 77 1.2 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.227 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD070997.D
 Acq: 11 Nov 2021 17:52

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 144543
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.1 34.5 51.7#

