

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110921\
 Data File : VD070951.D
 Acq On : 09 Nov 2021 15:50
 Operator : VA/SY
 Sample : VD1109SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 03:57:13 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)

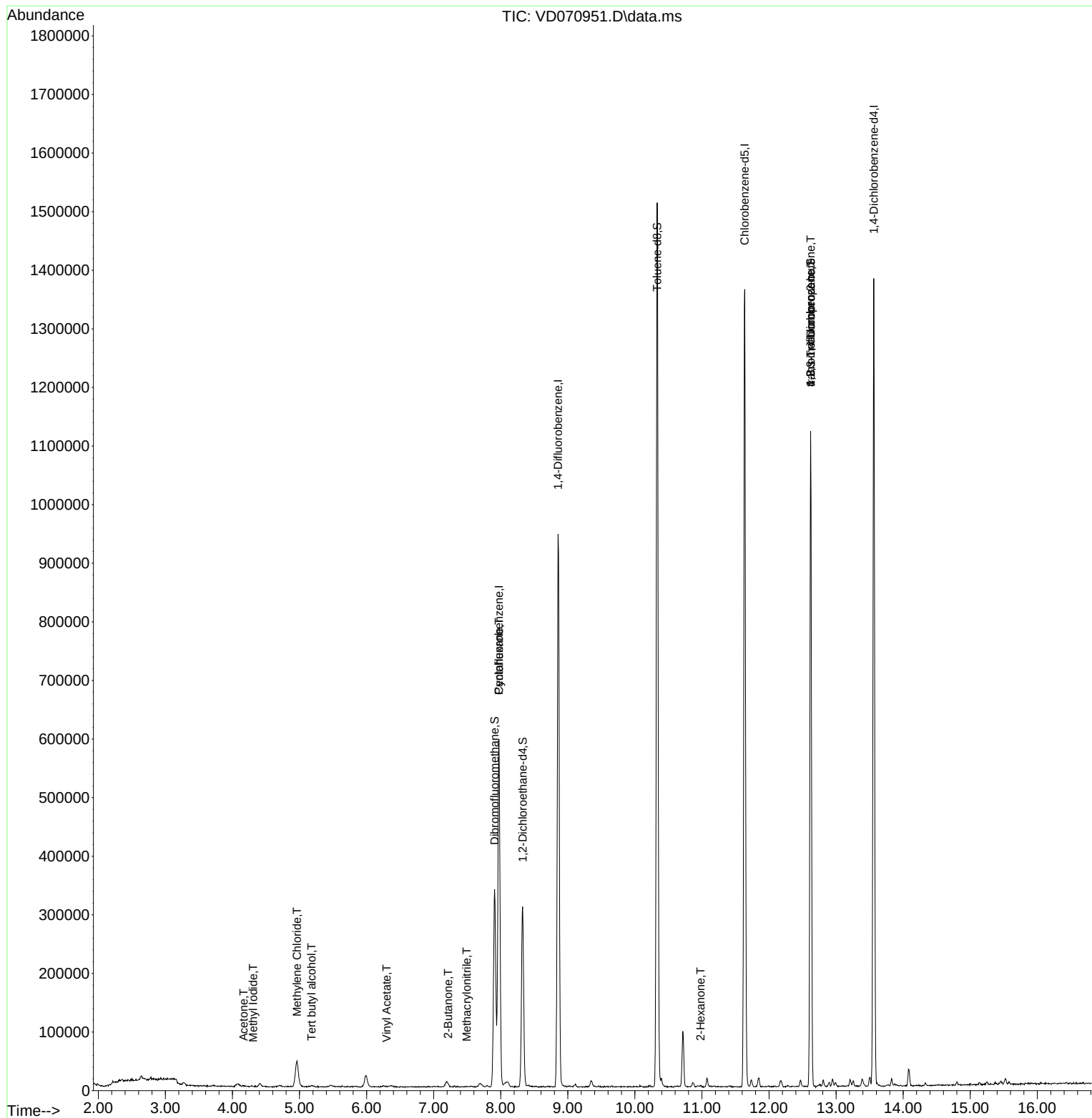
Internal Standards						
1) Pentafluorobenzene	7.973	168	425180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	793259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	757548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	346882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	239394	52.882	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.760%	
35) Dibromofluoromethane	7.909	113	240119	53.643	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.280%	
50) Toluene-d8	10.332	98	1000421	57.069	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.140%	
62) 4-Bromofluorobenzene	12.620	95	365141	57.850	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.700%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	1485	6.287	ug/l #	52
11) Tert butyl alcohol	5.179	59	1634	4.939	ug/l	99
13) Acrolein	3.921	56	197	Below Cal	#	72
16) Acetone	4.168	43	2777	21.888	ug/l	99
20) Methylene Chloride	4.962	84	31138	5.674	ug/l	93
23) Vinyl Acetate	6.297	43	1420	21.128	ug/l #	72
25) 2-Butanone	7.214	43	428	20.616	ug/l #	45
31) Cyclohexane	7.973	56	15851	1.703	ug/l #	31
41) Methacrylonitrile	7.491	41	505	3.703	ug/l #	49
59) 2-Hexanone	10.979	43	1881	16.614	ug/l #	61
76) 1,2,3-Trichloropropane	12.620	75	192157	64.851	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	192157	119.896	ug/l #	18

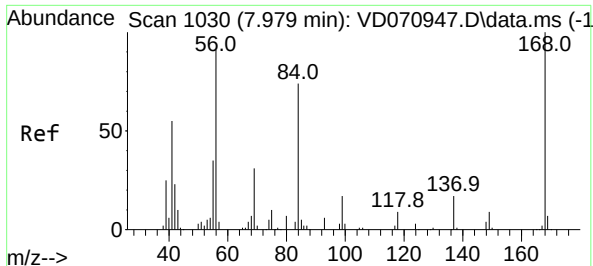
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 10 03:57:13 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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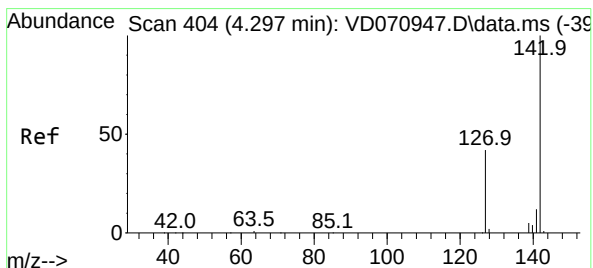
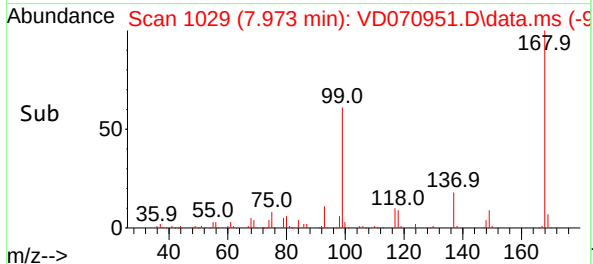
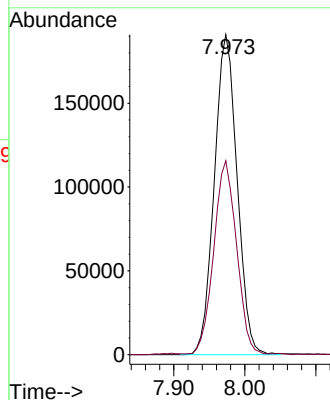
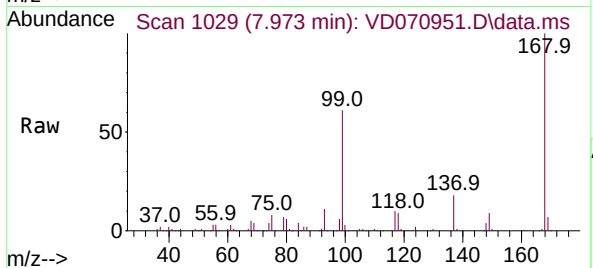




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

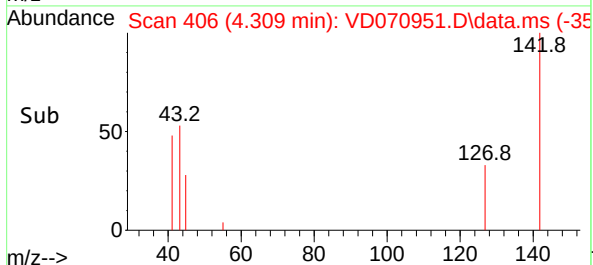
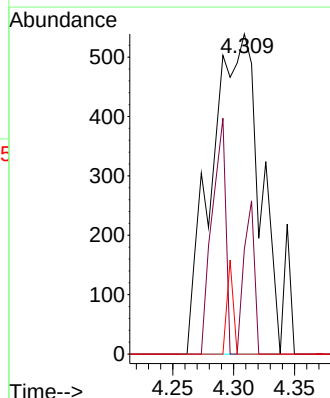
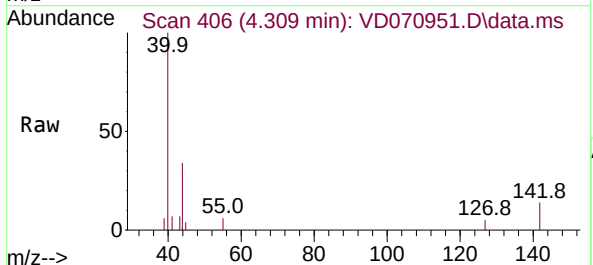
Instrument :
MSVOA_D
ClientSampleId :

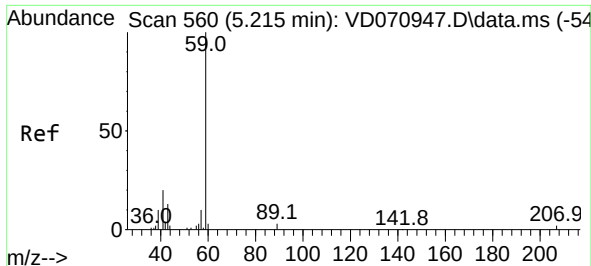
Tgt Ion:168 Resp: 425180
Ion Ratio Lower Upper
168 100
99 60.3 46.6 69.8



#10
Methyl Iodide
Concen: 6.287 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

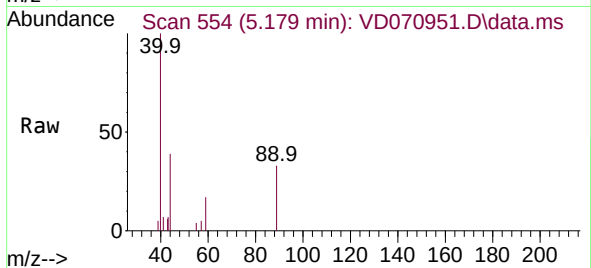
Tgt Ion:142 Resp: 1485
Ion Ratio Lower Upper
142 100
127 10.3 35.0 52.4#
141 0.0 12.0 18.0#



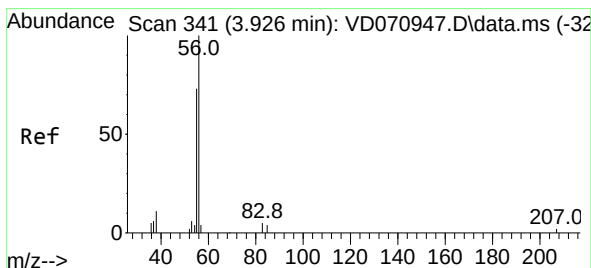
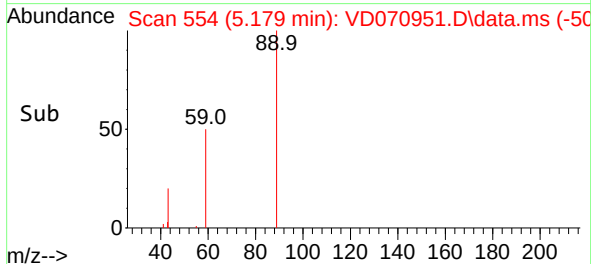
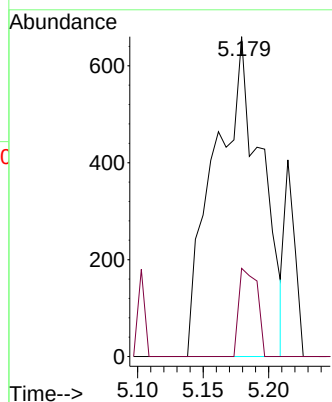


#11
Tert butyl alcohol
Concen: 4.939 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :

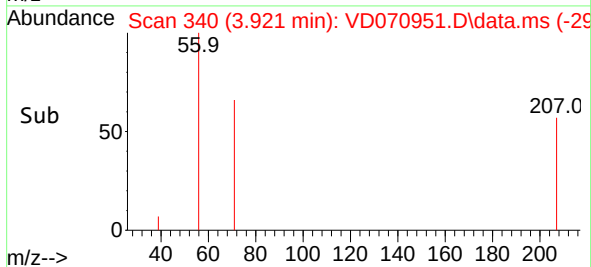
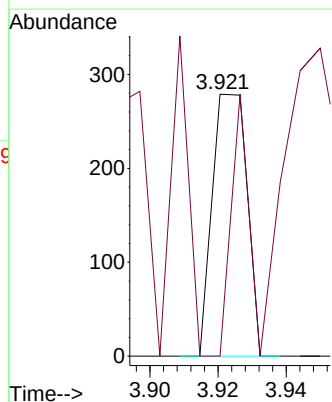
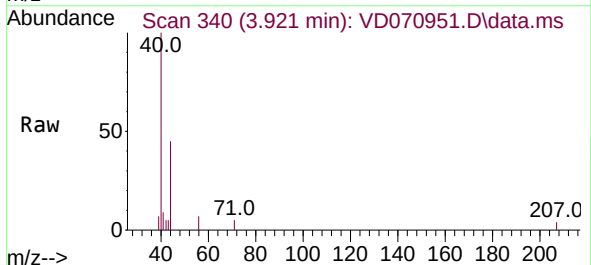


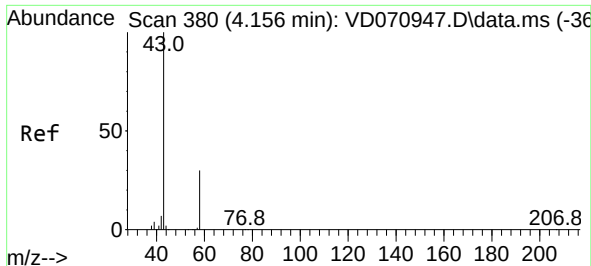
Tgt Ion: 59 Resp: 1634
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.4



#13
Acrolein
Concen: Below Cal
RT: 3.921 min Scan# 340
Delta R.T. -0.005 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

Tgt Ion: 56 Resp: 197
Ion Ratio Lower Upper
56 100
55 49.7 58.6 87.8#

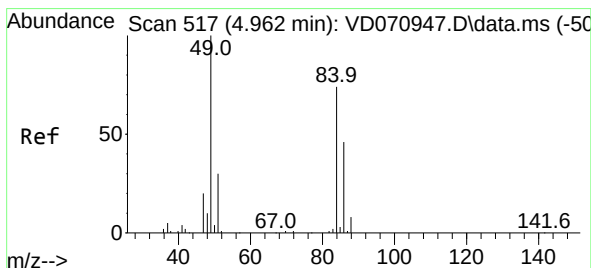
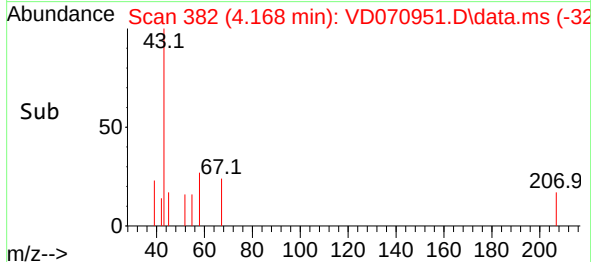
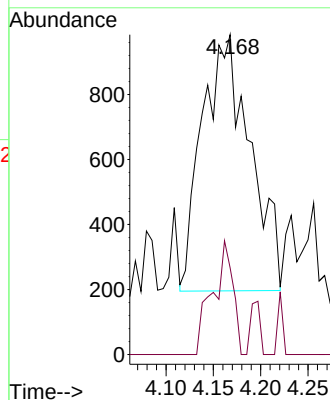
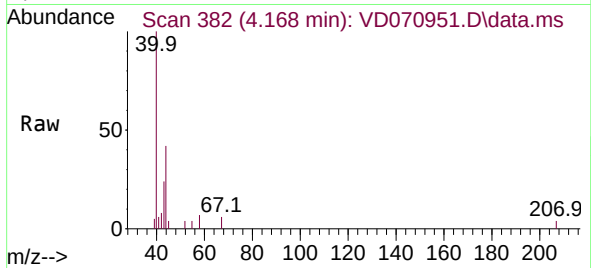




#16
Acetone
Concen: 21.888 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

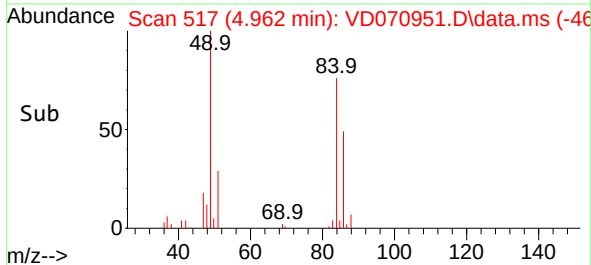
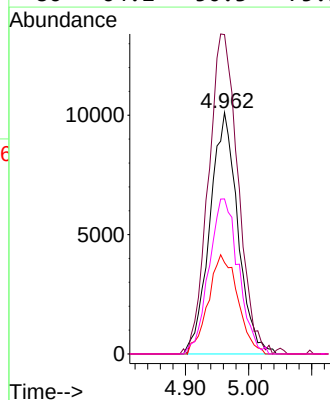
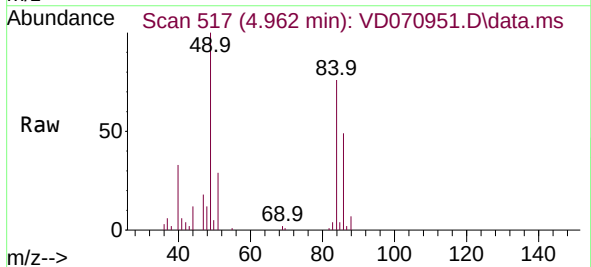
Instrument :
MSVOA_D
ClientSampleId :

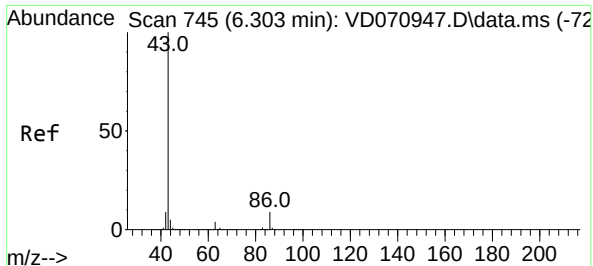
Tgt Ion: 43 Resp: 2777
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8



#20
Methylene Chloride
Concen: 5.674 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

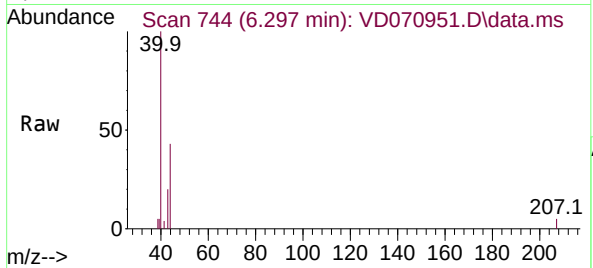
Tgt Ion: 84 Resp: 31138
Ion Ratio Lower Upper
84 100
49 132.3 95.8 143.6
51 37.9 30.9 46.3
86 64.2 50.3 75.5



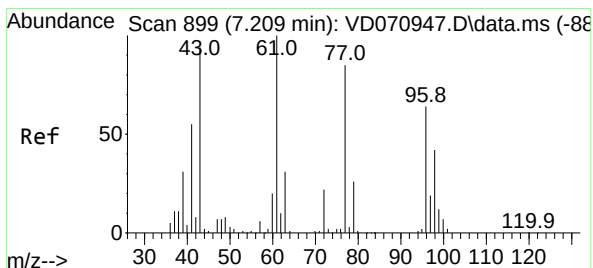
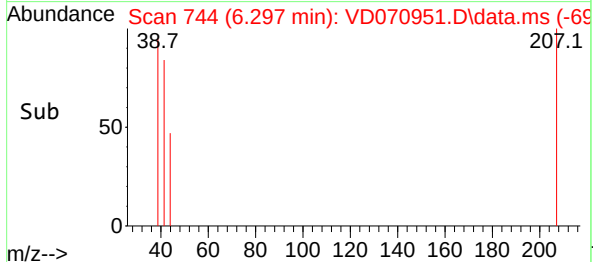
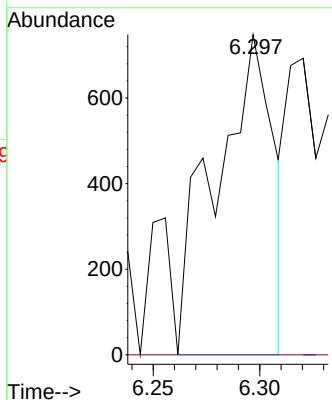


#23
 Vinyl Acetate
 Concen: 21.128 ug/l
 RT: 6.297 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD070951.D
 Acq: 09 Nov 2021 15:50

Instrument :
 MSVOA_D
 ClientSampleId :

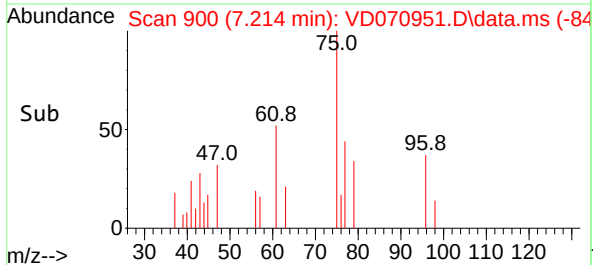
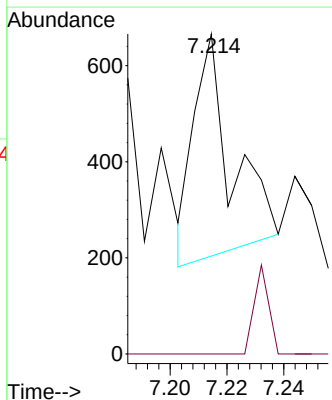
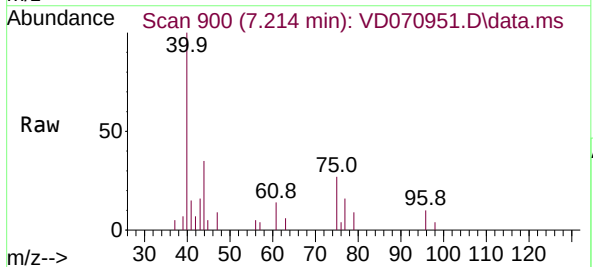


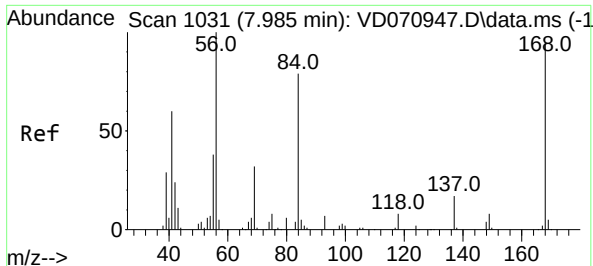
Tgt Ion: 43 Resp: 1420
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 20.616 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.005 min
 Lab File: VD070951.D
 Acq: 09 Nov 2021 15:50

Tgt Ion: 43 Resp: 428
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.703 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070951.D

Acq: 09 Nov 2021 15:50

Instrument :

MSVOA_D

ClientSampleId :

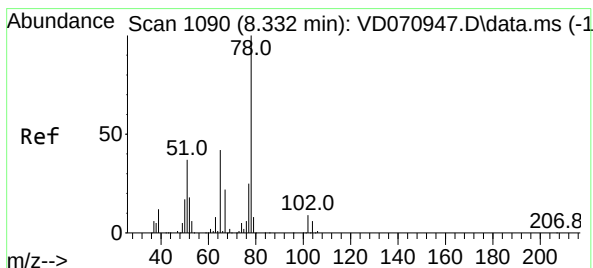
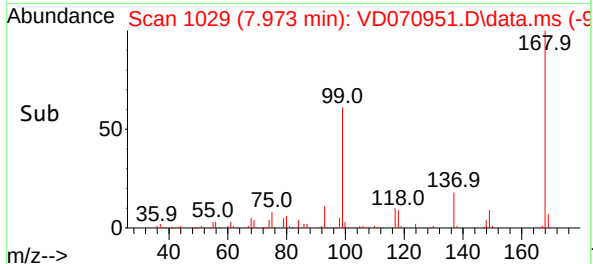
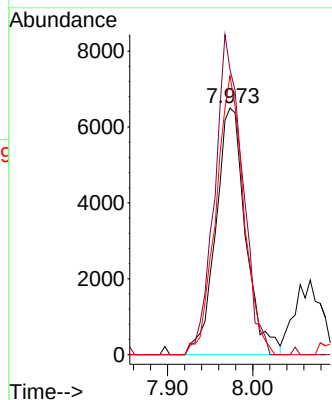
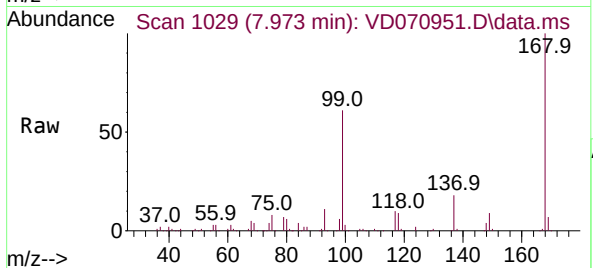
Tgt Ion: 56 Resp: 15851

Ion Ratio Lower Upper

56 100

69 115.7 25.9 38.9#

84 113.1 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 52.882 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD070951.D

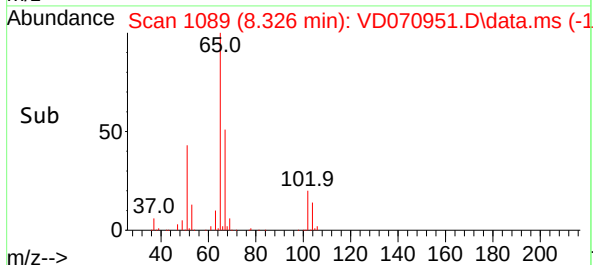
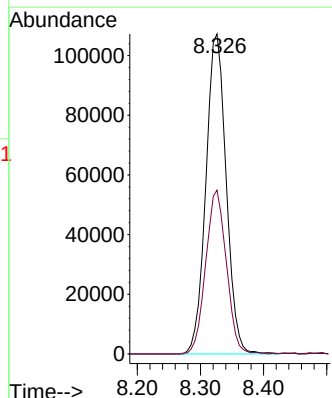
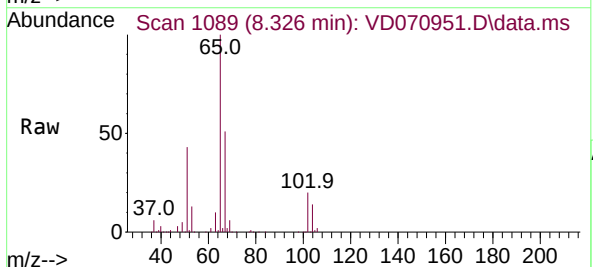
Acq: 09 Nov 2021 15:50

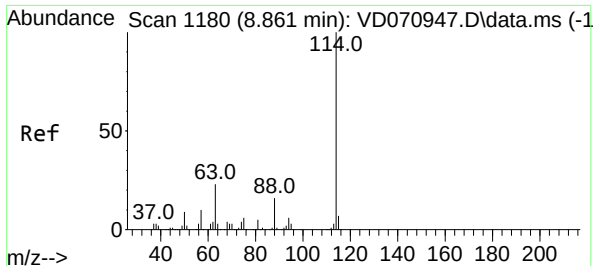
Tgt Ion: 65 Resp: 239394

Ion Ratio Lower Upper

65 100

67 52.1 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1119

Delta R.T. -0.005 min

Lab File: VD070951.D

Acq: 09 Nov 2021 15:50

Instrument :

MSVOA_D

ClientSampleId :

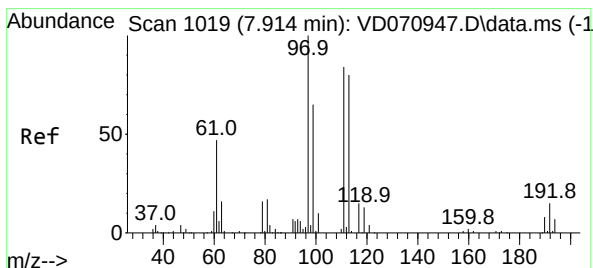
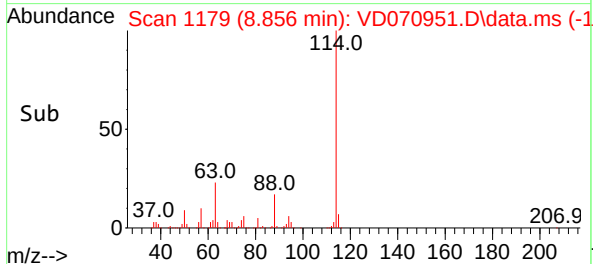
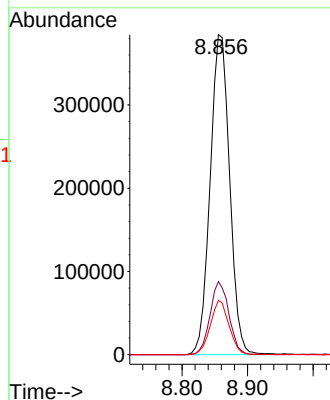
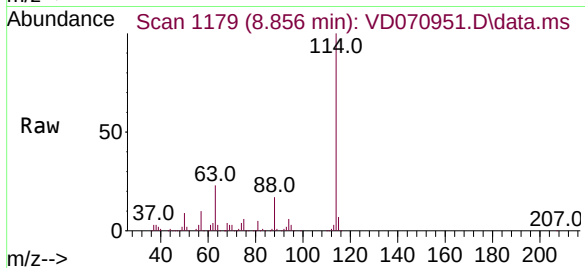
Tgt Ion:114 Resp: 793259

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 17.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 53.643 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD070951.D

Acq: 09 Nov 2021 15:50

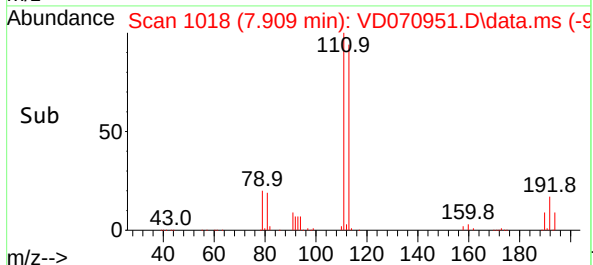
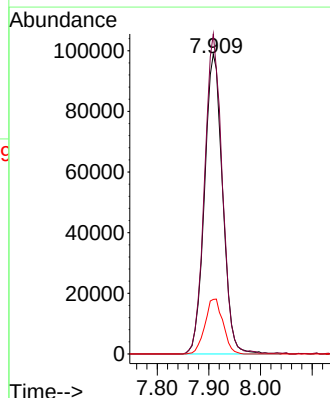
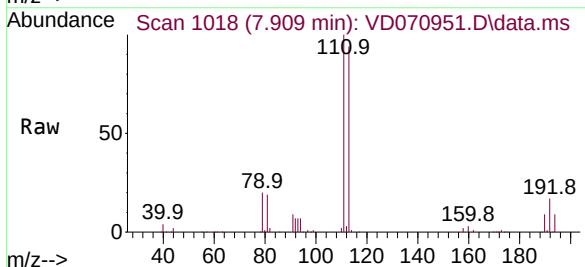
Tgt Ion:113 Resp: 240119

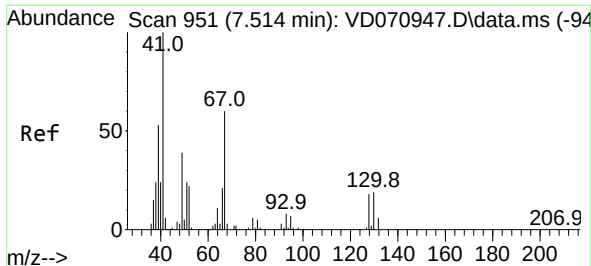
Ion Ratio Lower Upper

113 100

111 104.5 82.0 123.0

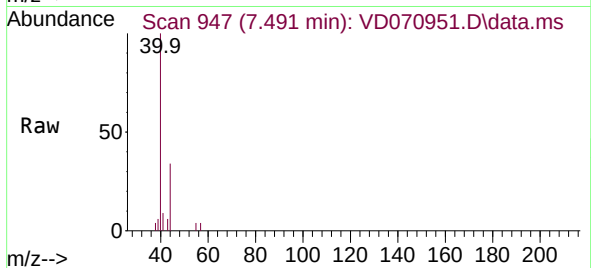
192 18.3 15.2 22.8



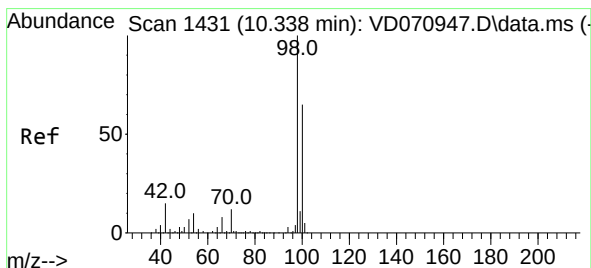
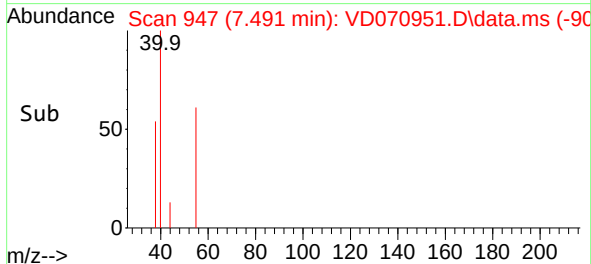
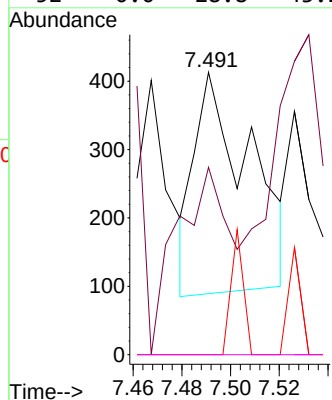


#41
Methacrylonitrile
Concen: 3.703 ug/l
RT: 7.491 min Scan# 941
Delta R.T. -0.023 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :

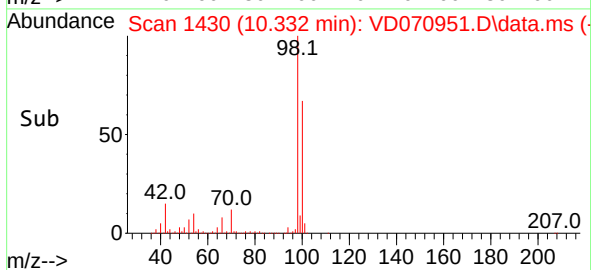
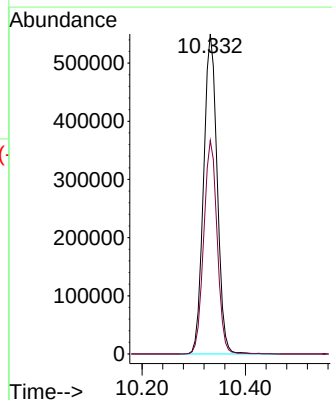
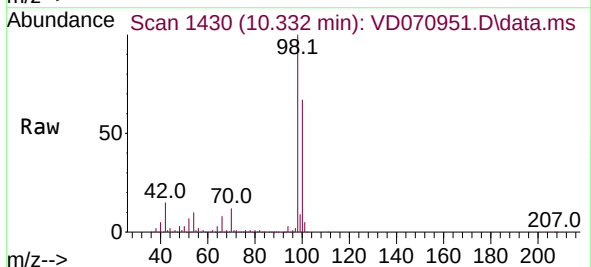


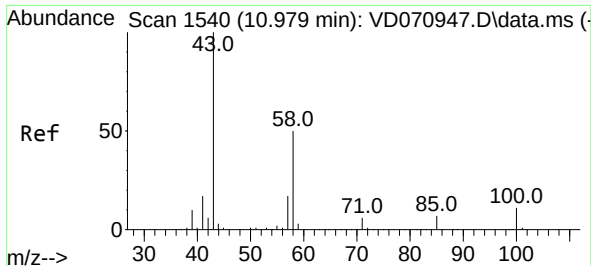
Tgt Ion: 41	Resp: 505
Ion Ratio	Lower Upper
41 100	
39 71.5	60.2 90.4
67 12.9	74.8 112.2#
52 0.0	28.8 43.2#



#50
Toluene-d8
Concen: 57.069 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

Tgt Ion: 98	Resp: 1000421
Ion Ratio	Lower Upper
98 100	
100 66.0	51.8 77.6

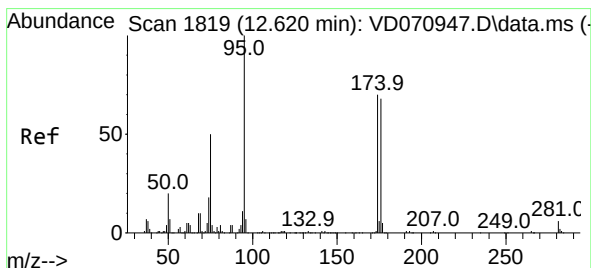
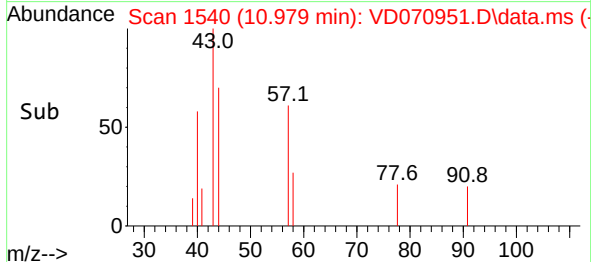
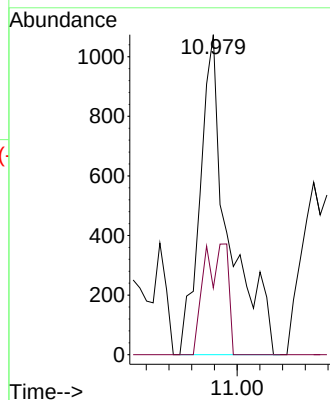
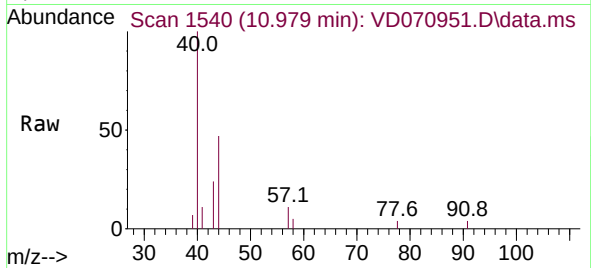




#59
2-Hexanone
Concen: 16.614 ug/l
RT: 10.979 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

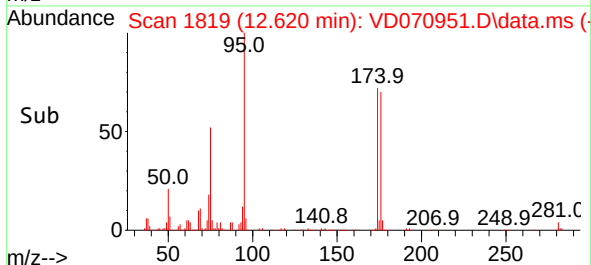
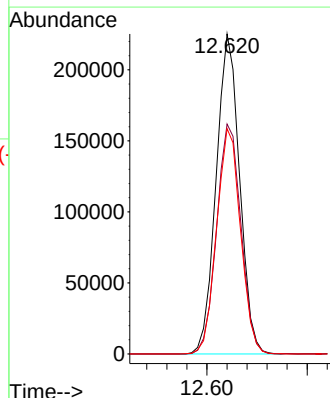
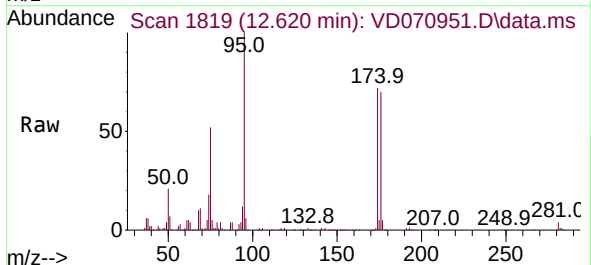
Instrument :
MSVOA_D
ClientSampleId :

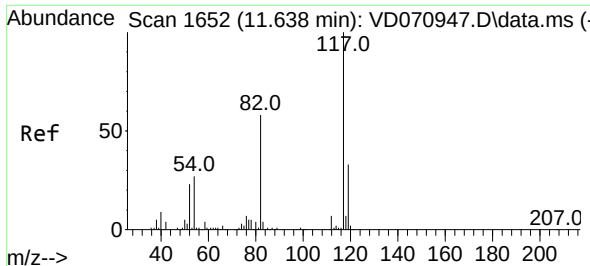
Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
58 28.5 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 57.850 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

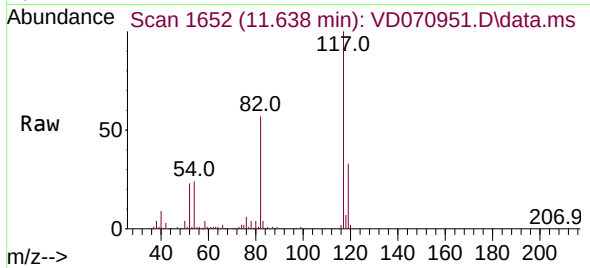
Tgt Ion: 95 Resp: 365141
Ion Ratio Lower Upper
95 100
174 74.5 0.0 159.4
176 71.9 0.0 154.0



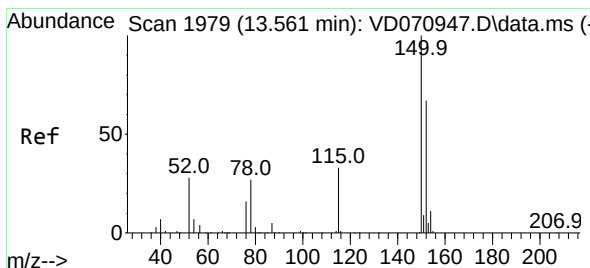
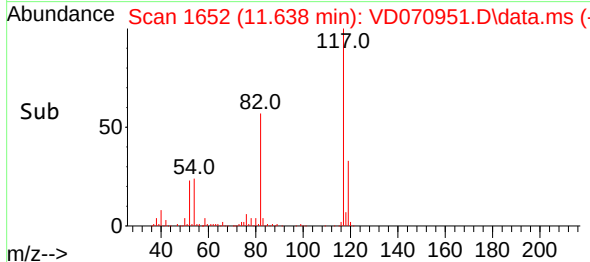
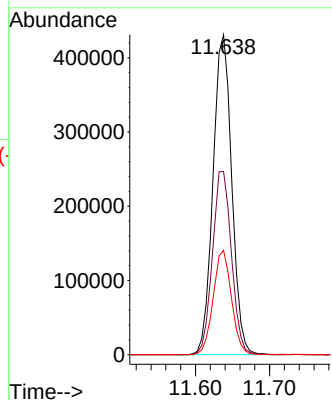


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :

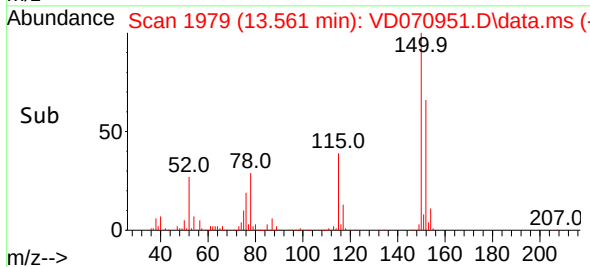
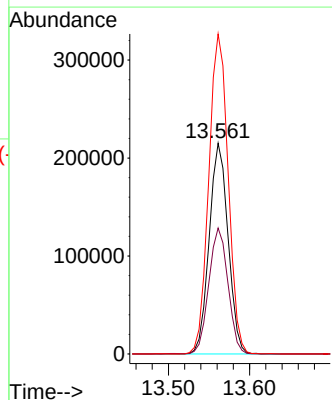
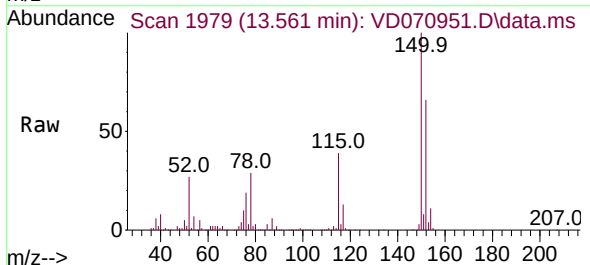


Tgt Ion:117 Resp: 757548
Ion Ratio Lower Upper
117 100
82 57.3 44.7 67.1
119 32.6 26.2 39.4

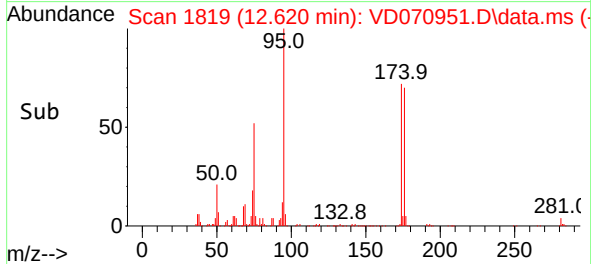
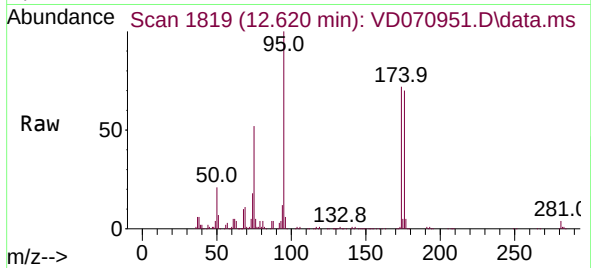
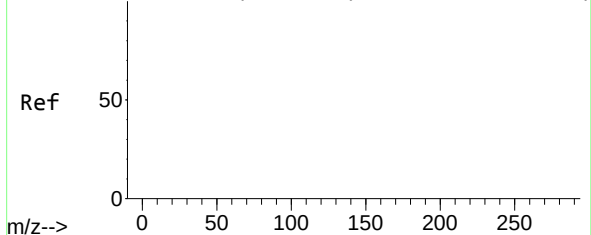


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070951.D
Acq: 09 Nov 2021 15:50

Tgt Ion:152 Resp: 346882
Ion Ratio Lower Upper
152 100
115 60.6 29.8 89.3
150 155.8 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 64.851 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.165 min

Lab File: VD070951.D

Acq: 09 Nov 2021 15:50

Instrument :

MSVOA_D

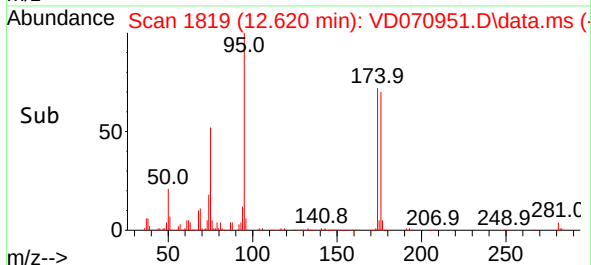
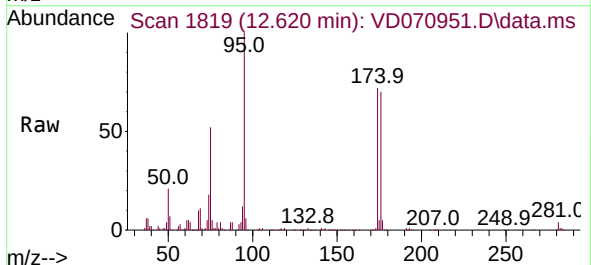
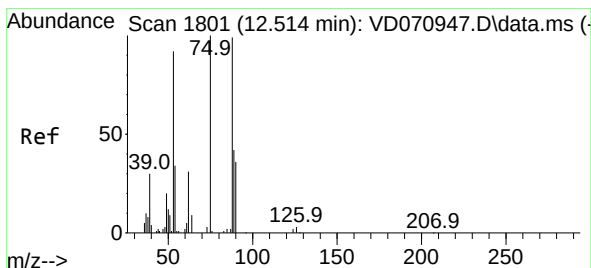
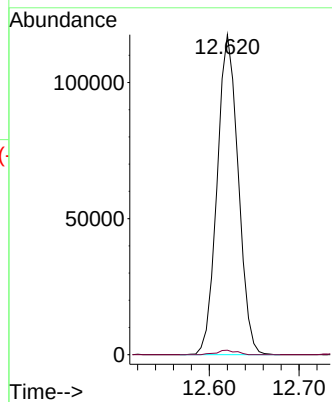
ClientSampleId :

Tgt Ion: 75 Resp: 192157

Ion Ratio Lower Upper

75 100

77 1.3 158.4 475.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.896 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.106 min

Lab File: VD070951.D

Acq: 09 Nov 2021 15:50

Tgt Ion: 75 Resp: 192157

Ion Ratio Lower Upper

75 100

53 0.0 62.6 94.0#

89 0.0 34.5 51.7#

