

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112221\
 Data File : VW020939.D
 Acq On : 22 Nov 2021 16:12
 Operator : SY/VA
 Sample : M4758-33RE
 Misc : 5.02g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 23 02:25:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 05:03:38 2021
 Response via : Initial Calibration

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

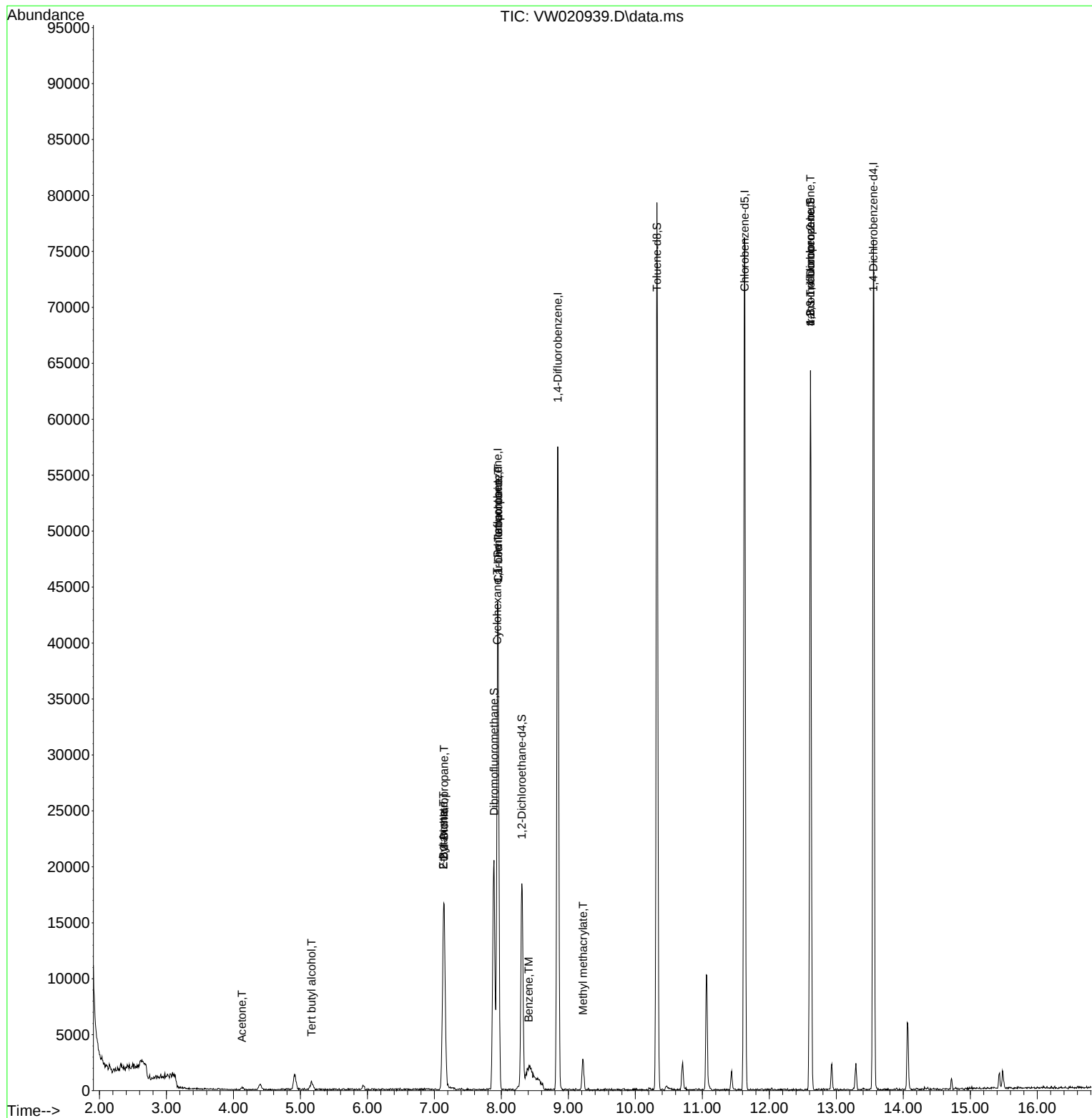
Internal Standards						
1) Pentafluorobenzene	7.945	168	34069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	49539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	43361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	20141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	14790	46.866	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.740%
35) Dibromofluoromethane	7.891	113	14272	45.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.860%
50) Toluene-d8	10.323	98	50711	44.497	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.000%
62) 4-Bromofluorobenzene	12.615	95	17253	40.593	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.180%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.165	59	1217	43.772	ug/l #	97
16) Acetone	4.129	43	223	3.399	ug/l	95
20) Methylene Chloride	4.909	84	923	Below Cal		93
25) 2-Butanone	7.135	43	926	9.939	ug/l #	49
26) 2,2-Dichloropropane	7.147	77	1253	3.254	ug/l #	52
31) Cyclohexane	7.939	56	725	1.377	ug/l #	43
36) 1,1-Dichloropropene	7.951	75	2381	5.350	ug/l #	48
37) Ethyl Acetate	7.135	43	926	4.562	ug/l #	1
38) Carbon Tetrachloride	7.951	117	3306	6.983	ug/l #	19
40) Benzene	8.409	78	6600	5.201	ug/l	97
48) Methyl methacrylate	9.220	41	773	4.362	ug/l #	38
76) 1,2,3-Trichloropropane	12.615	75	9101	50.293	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	9101	118.304	ug/l #	9

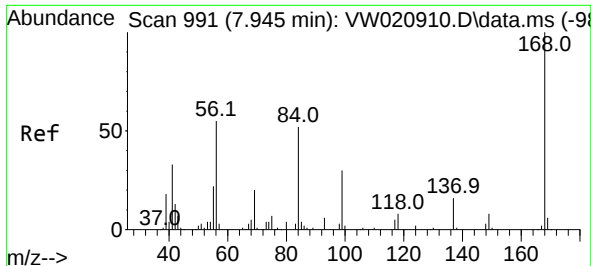
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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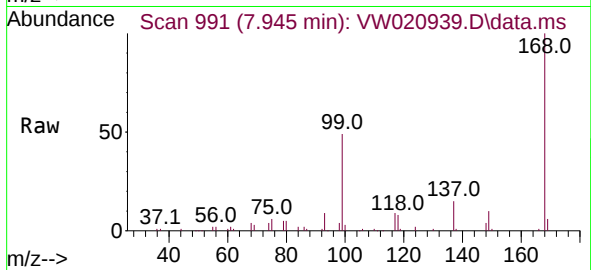
Quant Time: Nov 23 02:25:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
Quant Title : SW846 8260
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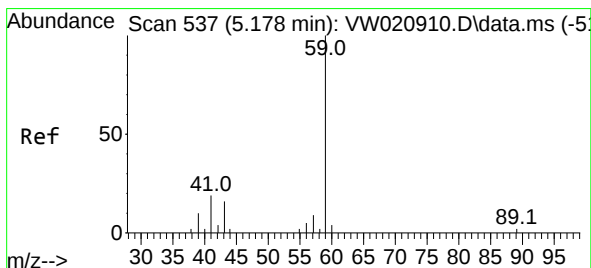
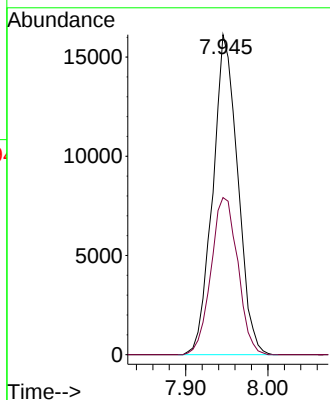
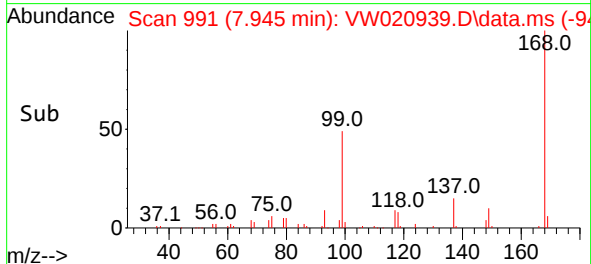


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.945 min Scan# 991
Delta R.T. 0.000 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

Instrument :
MSVOA_W
ClientSampleId :

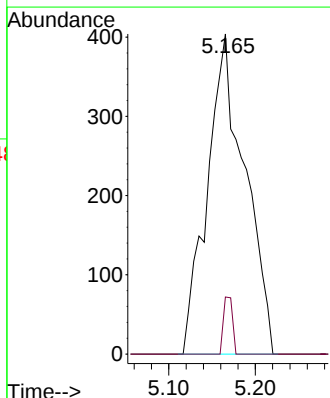
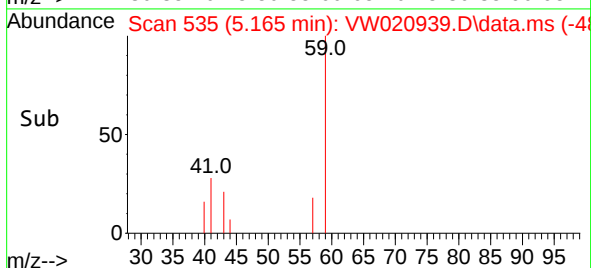
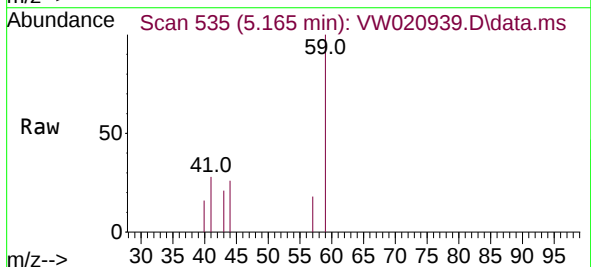


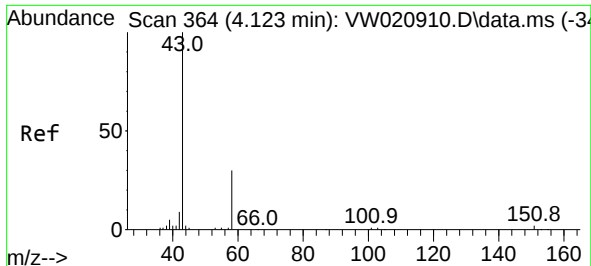
Tgt Ion:168 Resp: 34069
Ion Ratio Lower Upper
168 100
99 49.1 41.6 62.4



#11
Tert butyl alcohol
Concen: 43.772 ug/l
RT: 5.165 min Scan# 535
Delta R.T. -0.013 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

Tgt Ion: 59 Resp: 1217
Ion Ratio Lower Upper
59 100
57 4.3 4.3 6.5#

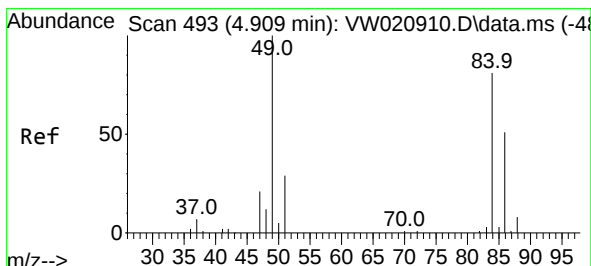
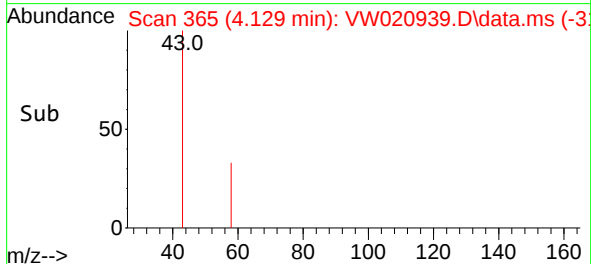
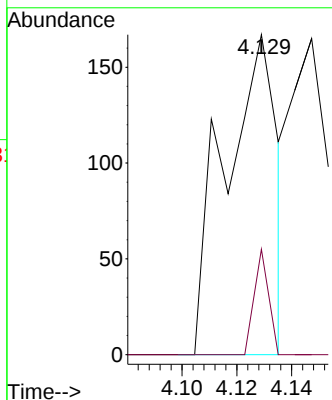
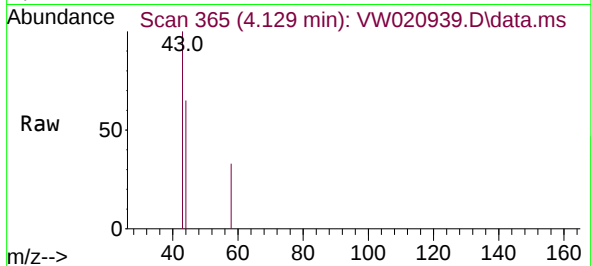




#16
Acetone
Concen: 3.399 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

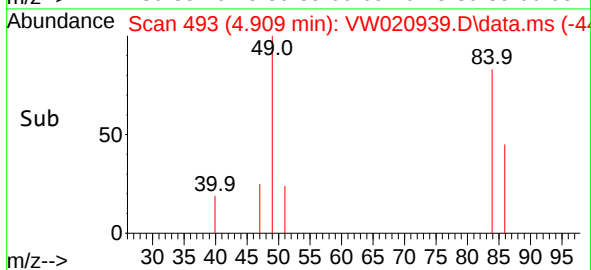
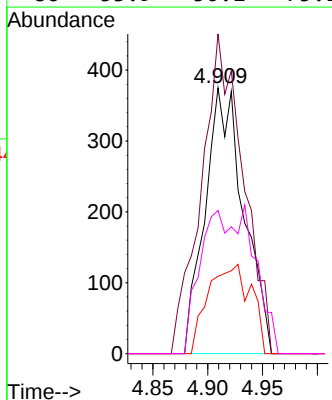
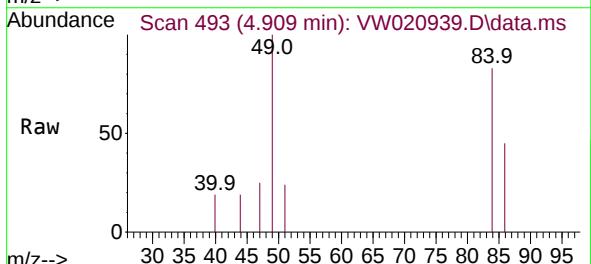
Instrument :
MSVOA_W
ClientSampleId :

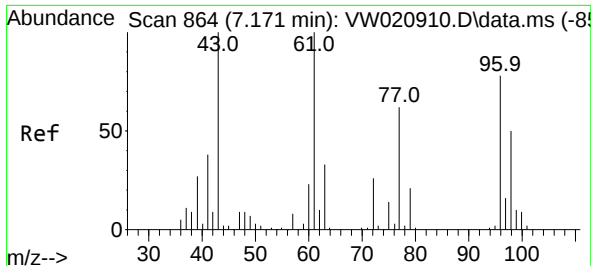
Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
58 32.9 24.2 36.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.909 min Scan# 493
Delta R.T. 0.000 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

Tgt Ion: 84 Resp: 923
Ion Ratio Lower Upper
84 100
49 120.3 99.1 148.7
51 29.1 28.8 43.2
86 53.9 50.1 75.1





#25

2-Butanone

Concen: 9.939 ug/l

RT: 7.135 min Scan# 8

Delta R.T. -0.037 min

Lab File: VW020939.D

Acq: 22 Nov 2021 16:12

Instrument :

MSVOA_W

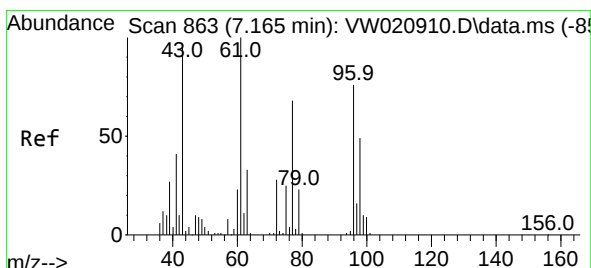
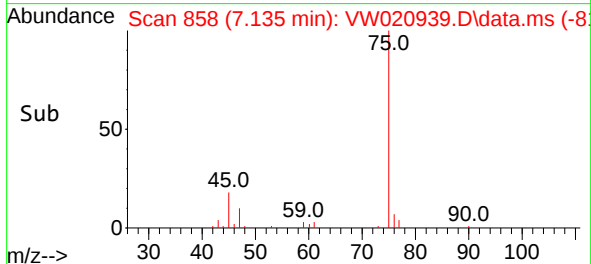
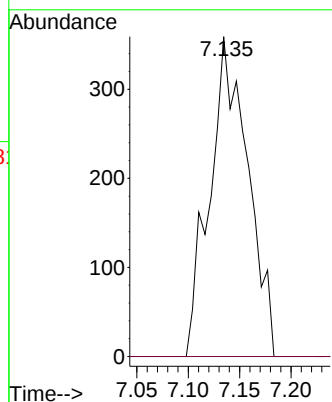
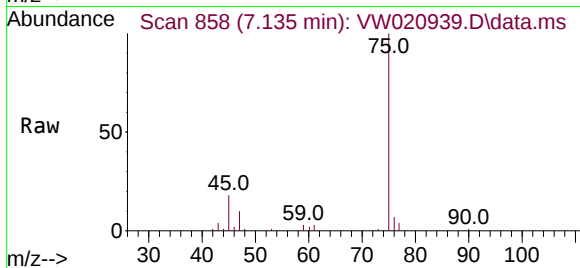
ClientSampleId :

Tgt Ion: 43 Resp: 926

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 3.254 ug/l

RT: 7.147 min Scan# 860

Delta R.T. -0.018 min

Lab File: VW020939.D

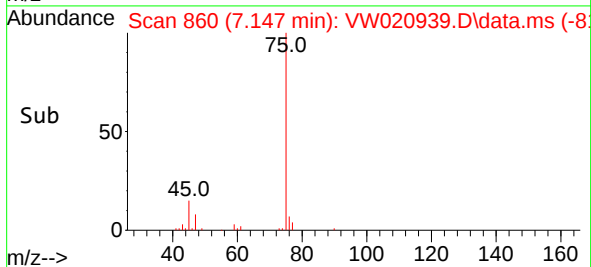
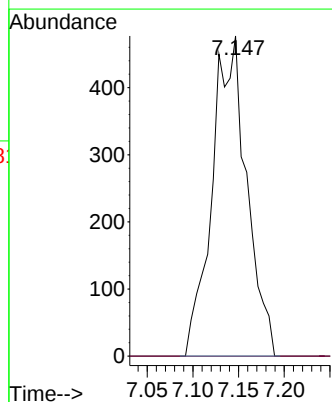
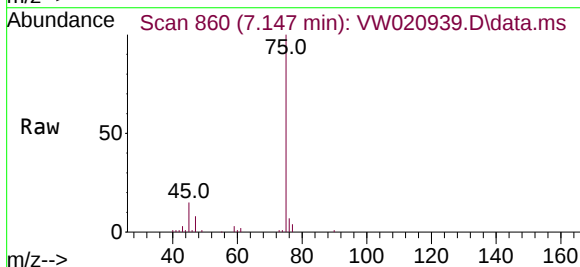
Acq: 22 Nov 2021 16:12

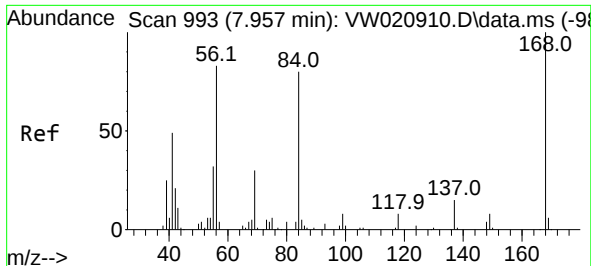
Tgt Ion: 77 Resp: 1253

Ion Ratio Lower Upper

77 100

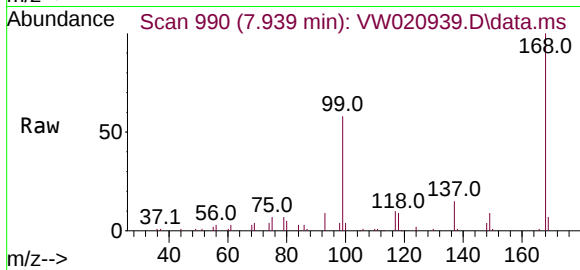
97 0.0 11.7 35.1#



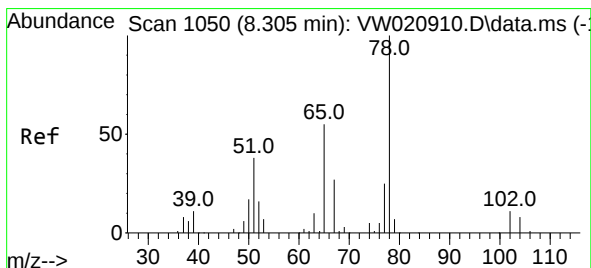
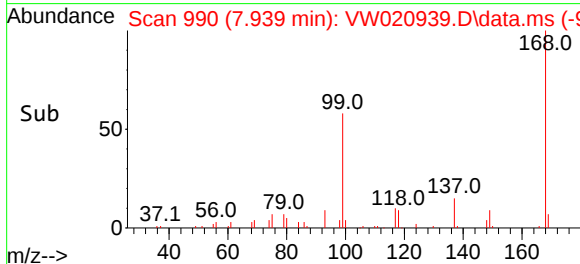
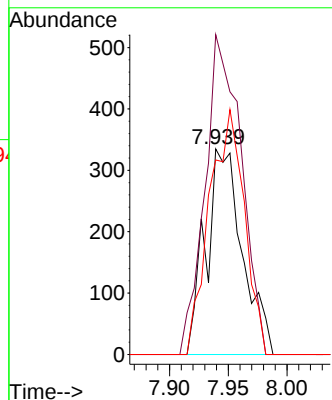


#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.939 min Scan# 993
Delta R.T. -0.018 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

Instrument :
MSVOA_W
ClientSampleId :

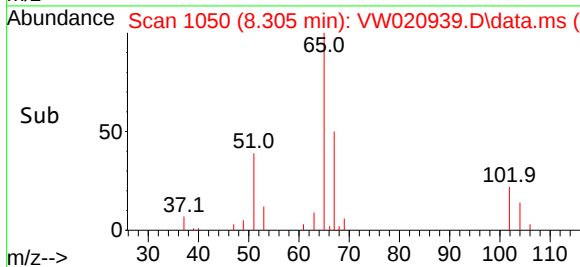
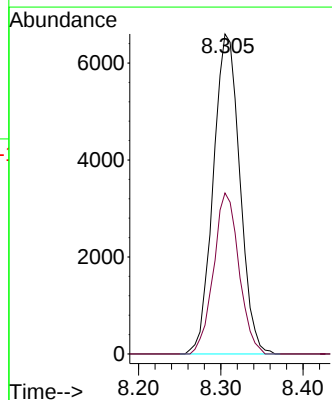
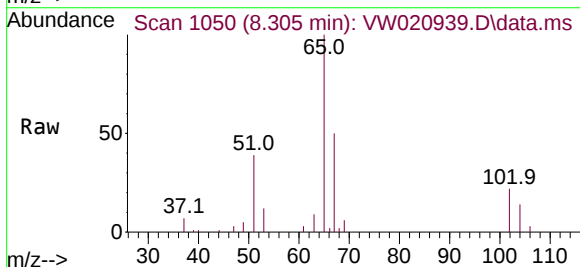


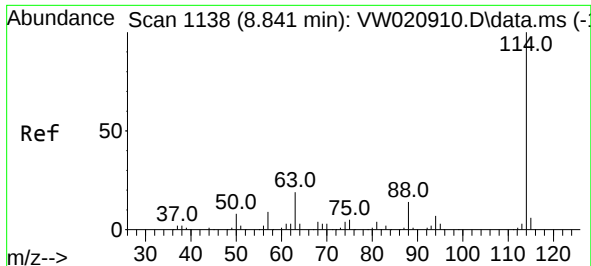
Tgt Ion: 56 Resp: 725
Ion Ratio Lower Upper
56 100
69 155.5 28.7 43.1#
84 94.6 77.6 116.4



#33
1,2-Dichloroethane-d4
Concen: 46.866 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

Tgt Ion: 65 Resp: 14790
Ion Ratio Lower Upper
65 100
67 48.1 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.842 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VW020939.D

Acq: 22 Nov 2021 16:12

Instrument :

MSVOA_W

ClientSampleId :

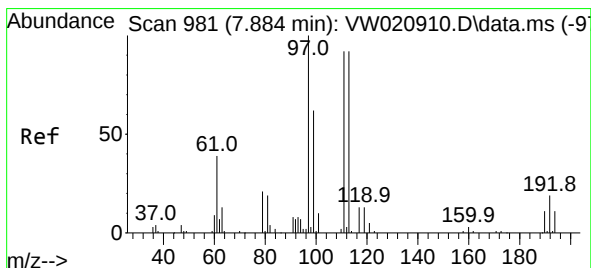
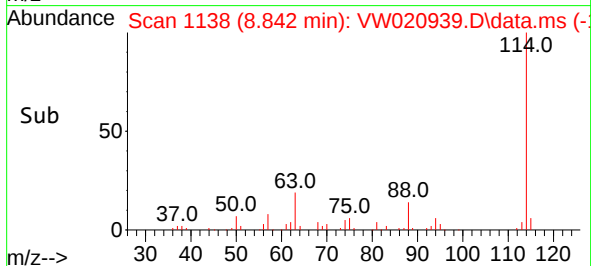
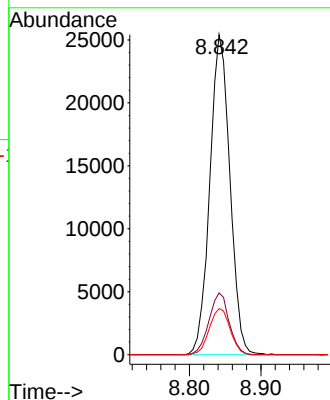
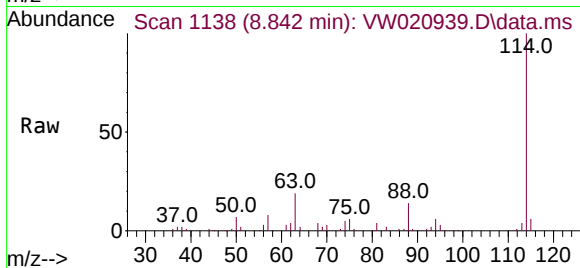
Tgt Ion:114 Resp: 49539

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.2

88 14.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 45.930 ug/l

RT: 7.891 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW020939.D

Acq: 22 Nov 2021 16:12

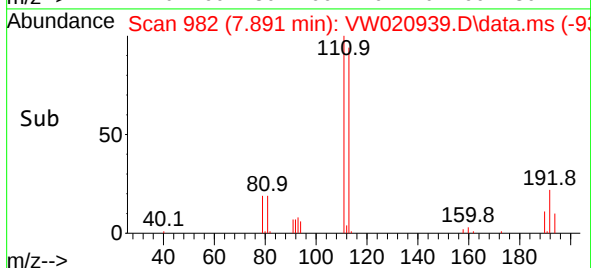
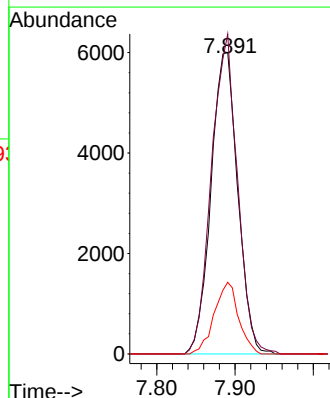
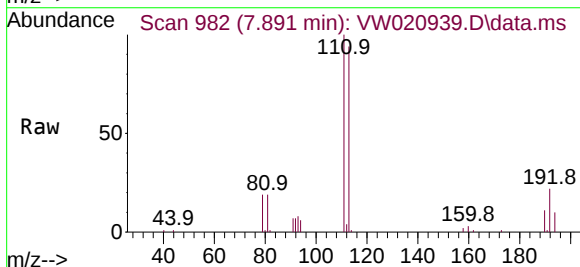
Tgt Ion:113 Resp: 14272

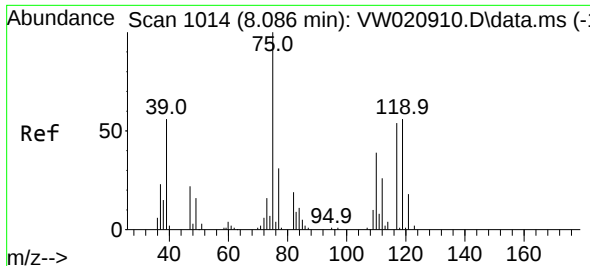
Ion Ratio Lower Upper

113 100

111 103.1 81.2 121.8

192 21.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.350 ug/l

RT: 7.951 min Scan# 91

Delta R.T. -0.134 min

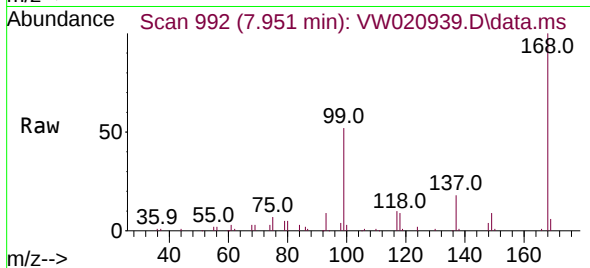
Lab File: VW020939.D

Acq: 22 Nov 2021 16:12

Instrument :

MSVOA_W

ClientSampleId :



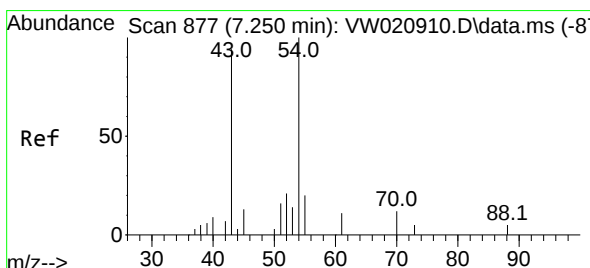
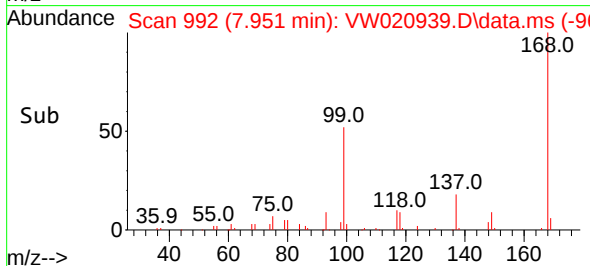
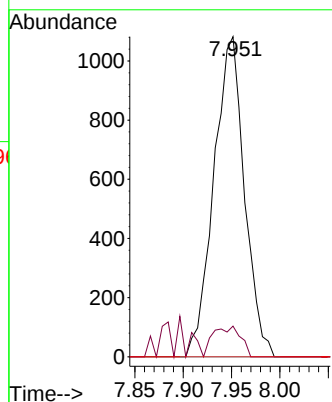
Tgt Ion: 75 Resp: 2381

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.5#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 4.562 ug/l

RT: 7.135 min Scan# 858

Delta R.T. -0.116 min

Lab File: VW020939.D

Acq: 22 Nov 2021 16:12

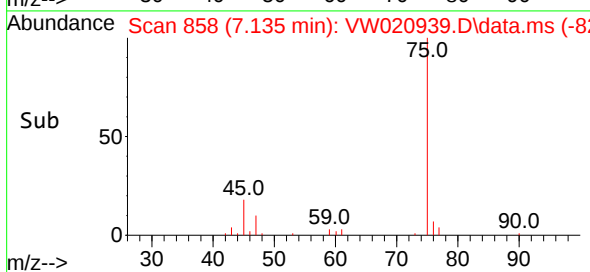
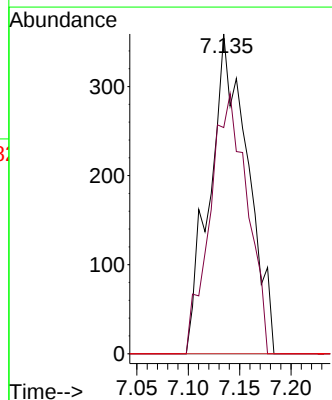
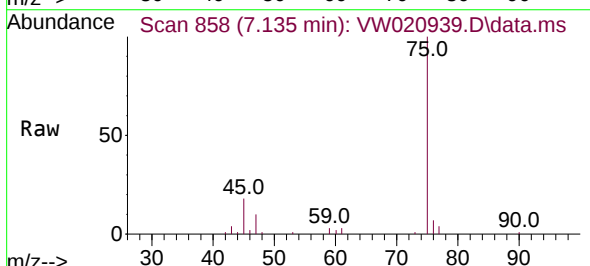
Tgt Ion: 43 Resp: 926

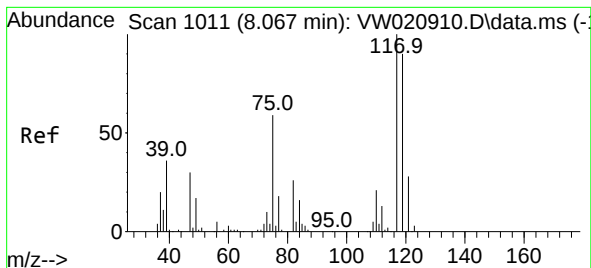
Ion Ratio Lower Upper

43 100

61 79.9 11.3 16.9#

70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 6.983 ug/l

RT: 7.951 min Scan# 91

Delta R.T. -0.116 min

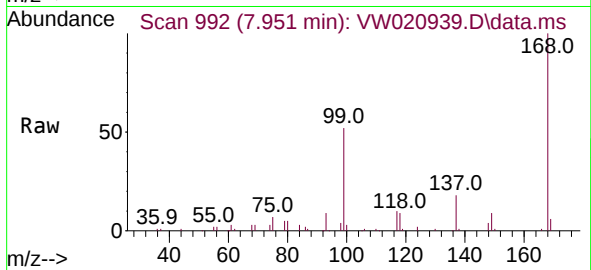
Lab File: VW020939.D

Acq: 22 Nov 2021 16:12

Instrument :

MSVOA_W

ClientSampleId :



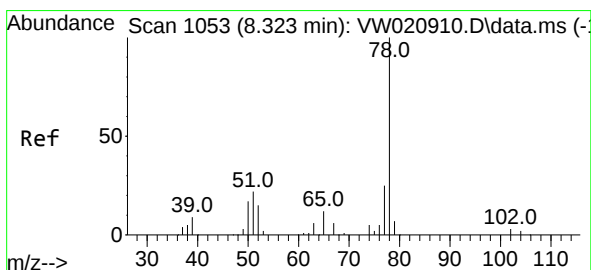
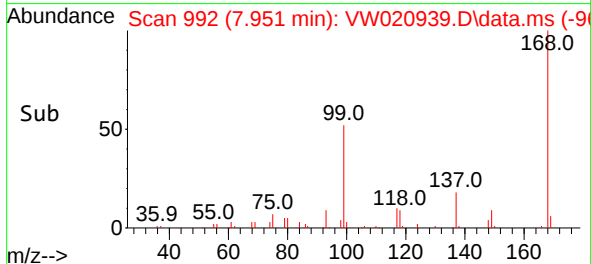
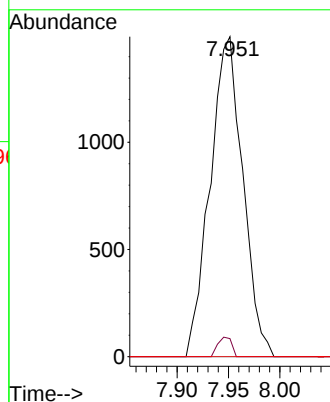
Tgt Ion:117 Resp: 3306

Ion Ratio Lower Upper

117 100

119 5.6 72.0 108.0#

121 0.0 22.6 33.8#



#40

Benzene

Concen: 5.201 ug/l

RT: 8.409 min Scan# 1067

Delta R.T. 0.085 min

Lab File: VW020939.D

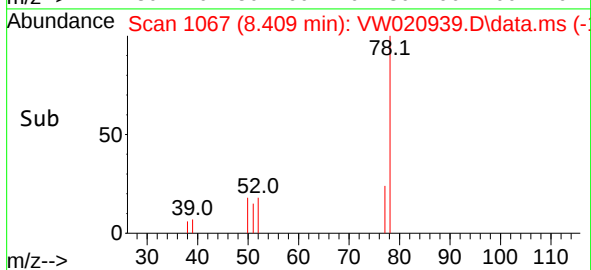
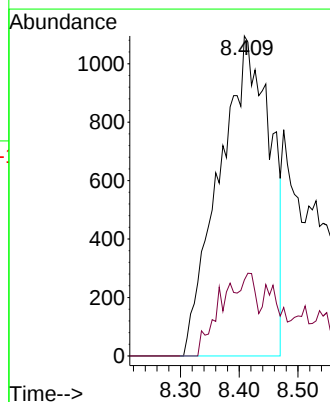
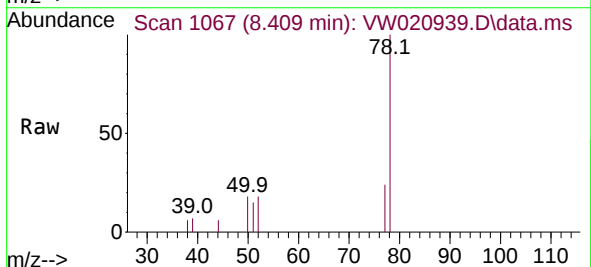
Acq: 22 Nov 2021 16:12

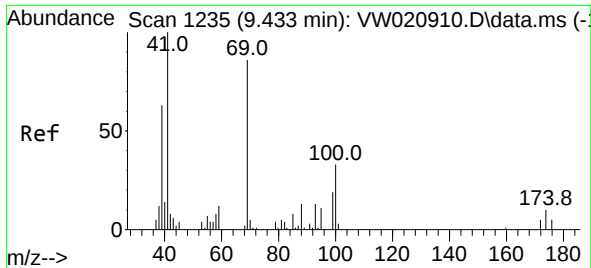
Tgt Ion: 78 Resp: 6600

Ion Ratio Lower Upper

78 100

77 23.7 20.0 30.0

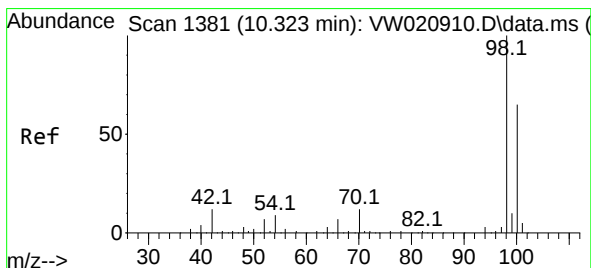
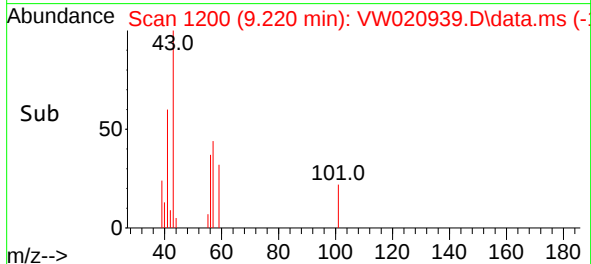
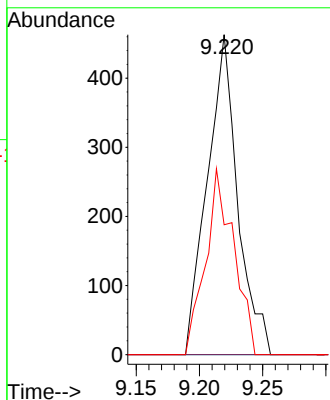
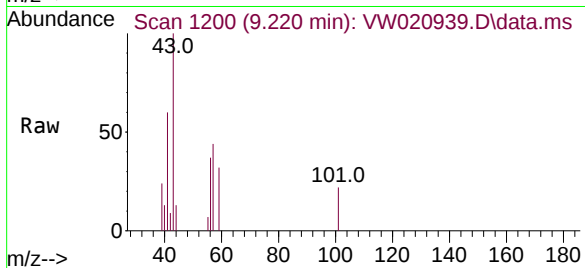




#48
Methyl methacrylate
Concen: 4.362 ug/l
RT: 9.220 min Scan# 1200
Delta R.T. -0.213 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

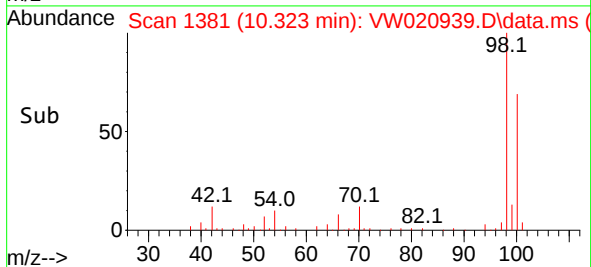
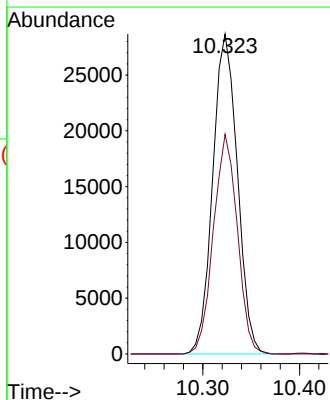
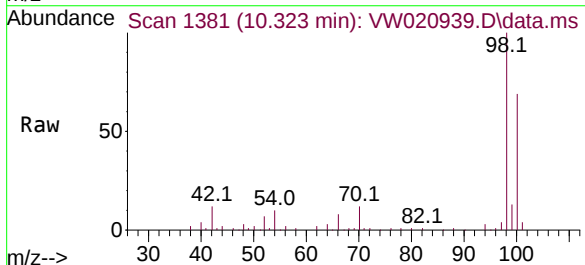
Instrument :
MSVOA_W
ClientSampleId :

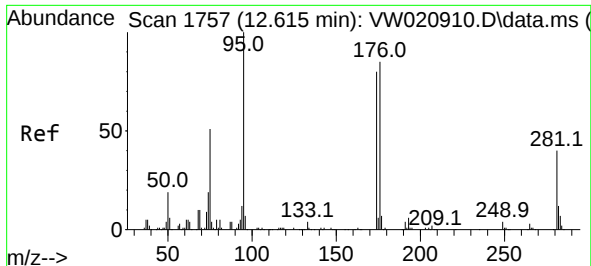
Tgt Ion: 41 Resp: 773
Ion Ratio Lower Upper
41 100
69 0.0 72.9 109.3#
39 53.9 54.2 81.4#



#50
Toluene-d8
Concen: 44.497 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

Tgt Ion: 98 Resp: 50711
Ion Ratio Lower Upper
98 100
100 66.7 52.6 79.0

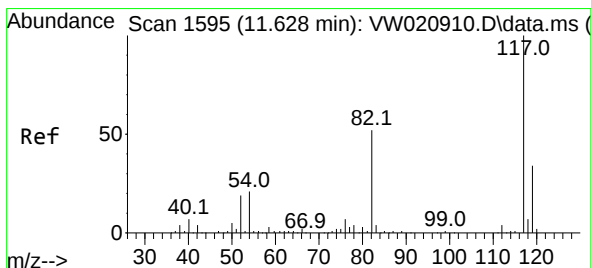
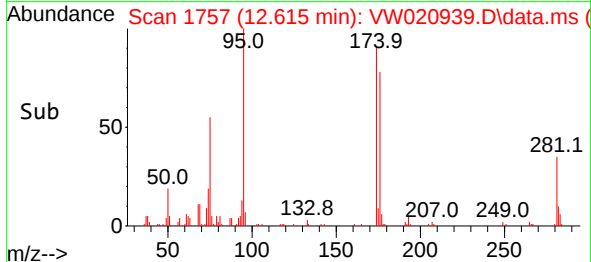
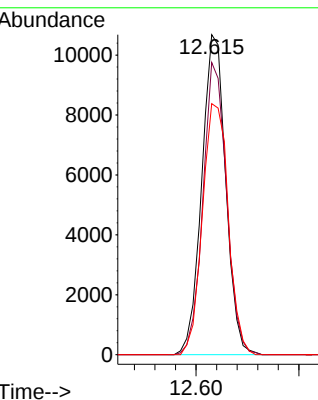
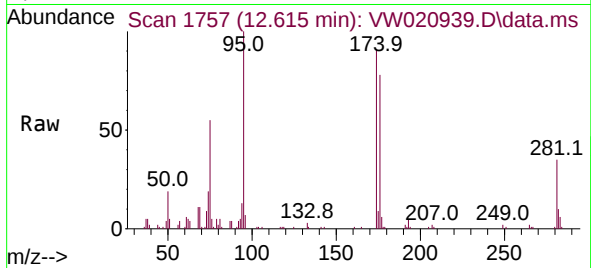




#62
4-Bromofluorobenzene
Concen: 40.593 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

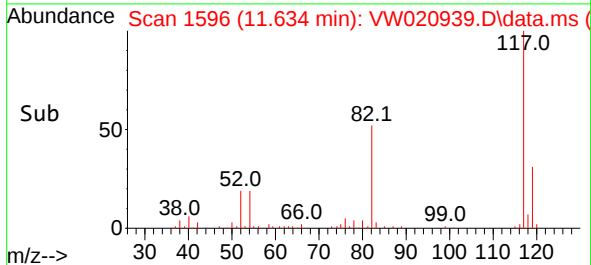
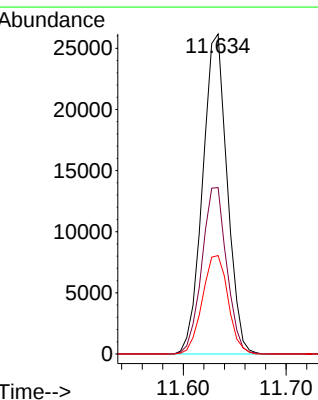
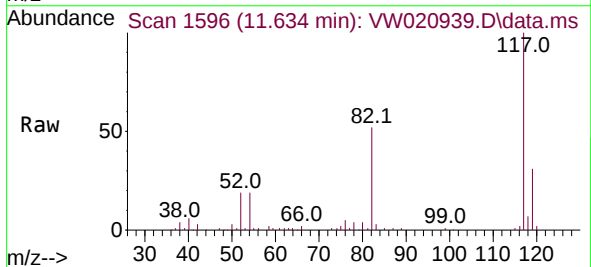
Instrument :
MSVOA_W
ClientSampleId :

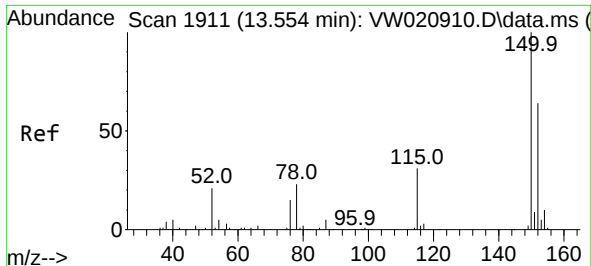
Tgt Ion: 95 Resp: 17253
Ion Ratio Lower Upper
95 100
174 89.6 0.0 171.2
176 84.4 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. 0.006 min
Lab File: VW020939.D
Acq: 22 Nov 2021 16:12

Tgt Ion: 117 Resp: 43361
Ion Ratio Lower Upper
117 100
82 52.0 41.4 62.2
119 30.7 27.2 40.8

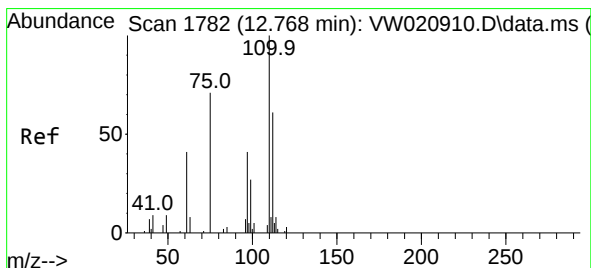
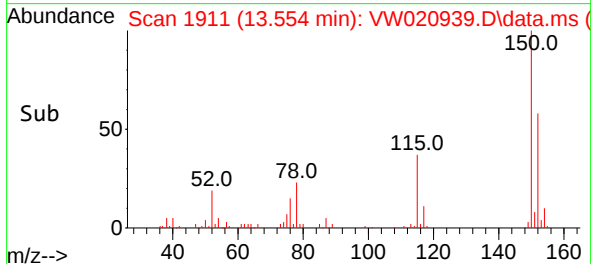
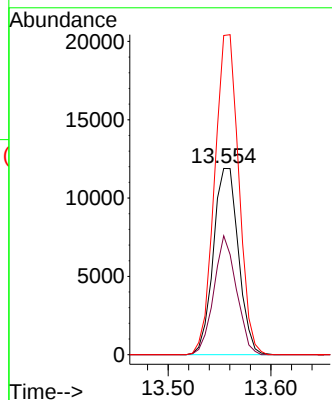
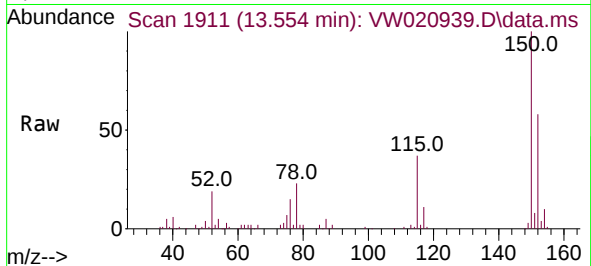




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.554 min Scan# 1911
 Delta R.T. 0.000 min
 Lab File: VW020939.D
 Acq: 22 Nov 2021 16:12

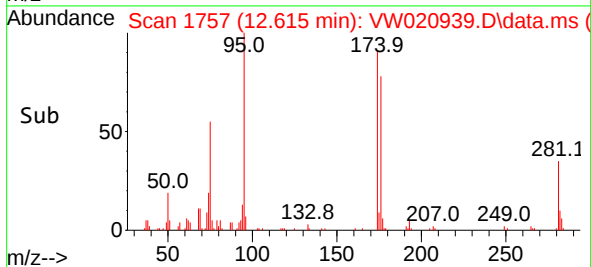
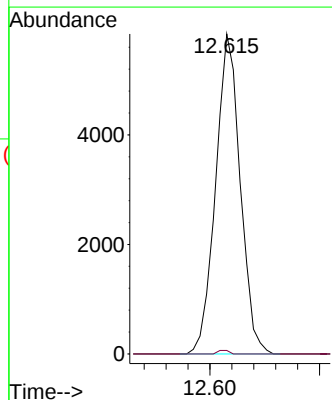
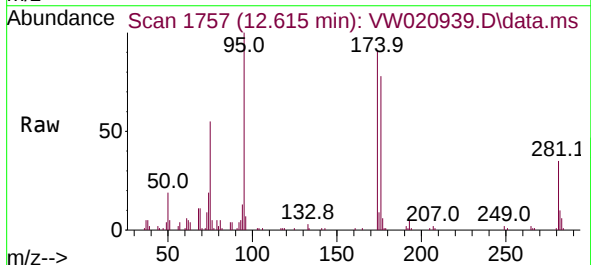
Instrument :
 MSVOA_W
 ClientSampleId :

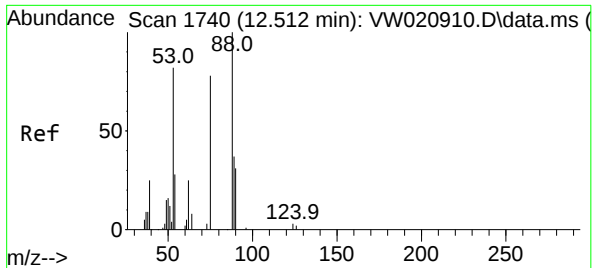
Tgt Ion:152 Resp: 20141
 Ion Ratio Lower Upper
 152 100
 115 57.5 27.8 83.3
 150 165.3 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 50.293 ug/l
 RT: 12.615 min Scan# 1757
 Delta R.T. -0.152 min
 Lab File: VW020939.D
 Acq: 22 Nov 2021 16:12

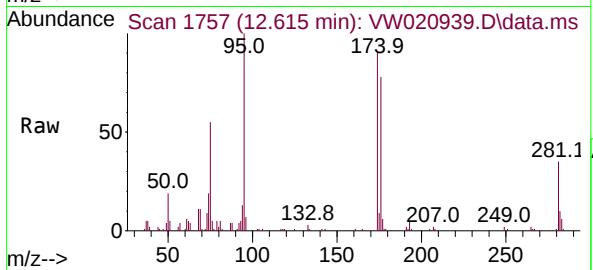
Tgt Ion: 75 Resp: 9101
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.304 ug/l
 RT: 12.615 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW020939.D
 Acq: 22 Nov 2021 16:12

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	75	Resp:	9101
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.8	122.8#
89	0.0	38.6	57.8#

