

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112221\
 Data File : VW020940.D
 Acq On : 22 Nov 2021 16:37
 Operator : SY/VA
 Sample : M4758-37RE
 Misc : 5.05g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 23 02:25:23 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)

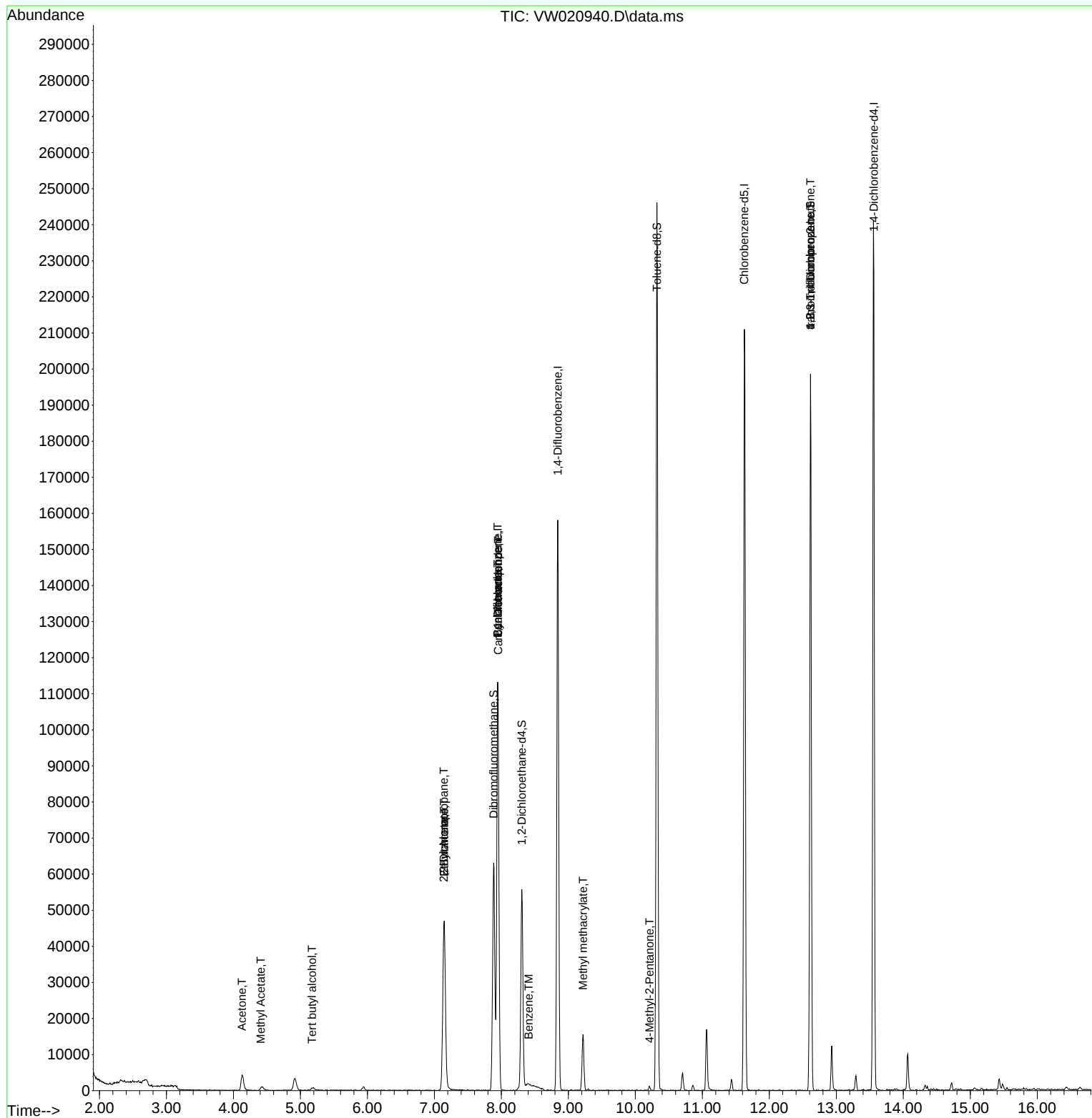
Internal Standards						
1) Pentafluorobenzene	7.945	168	88920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	134537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	121512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	64653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	43033	52.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.500%	
35) Dibromofluoromethane	7.884	113	42502	50.364	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.720%	
50) Toluene-d8	10.323	98	159746	51.613	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	12.615	95	56095	48.598	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.171	59	630	8.682	ug/l	97
16) Acetone	4.129	43	8022	46.853	ug/l	93
18) Methyl Acetate	4.409	43	629	1.053	ug/l #	51
20) Methylene Chloride	4.915	84	2762	Below Cal		94
25) 2-Butanone	7.147	43	2396	9.853	ug/l #	87
26) 2,2-Dichloropropane	7.141	77	3226	3.210	ug/l #	52
31) Cyclohexane	7.945	56	1717	1.250	ug/l #	24
36) 1,1-Dichloropropene	7.945	75	6295	5.208	ug/l #	49
37) Ethyl Acetate	7.147	43	2396	4.346	ug/l #	1
38) Carbon Tetrachloride	7.951	117	8284	6.443	ug/l #	19
40) Benzene	8.409	78	5523	1.603	ug/l	95
48) Methyl methacrylate	9.219	41	4198	8.722	ug/l #	35
51) 4-Methyl-2-Pentanone	10.213	43	786	1.427	ug/l	92
76) 1,2,3-Trichloropropane	12.615	75	29420	50.647	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	29420	119.137	ug/l #	9

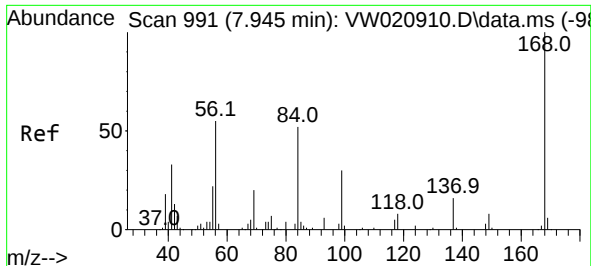
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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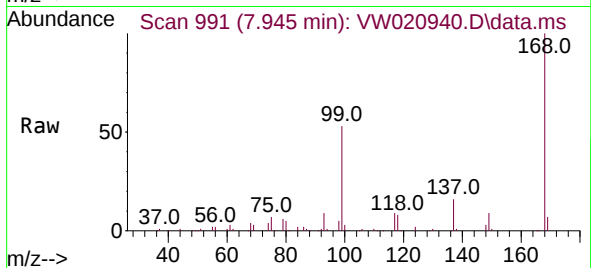
Quant Time: Nov 23 02:25:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 18 05:03:38 2021
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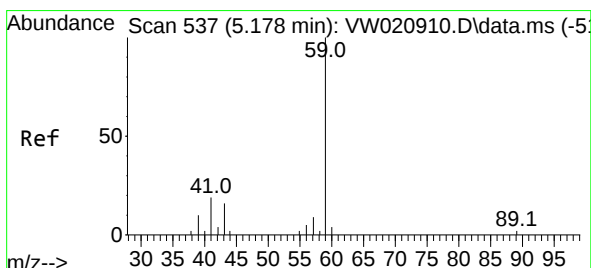
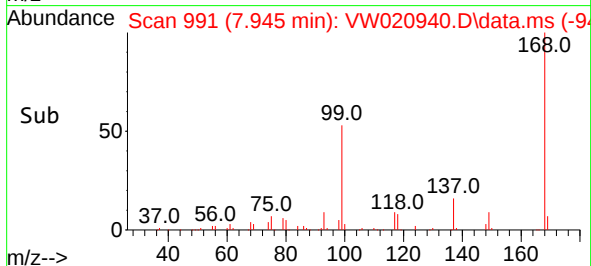
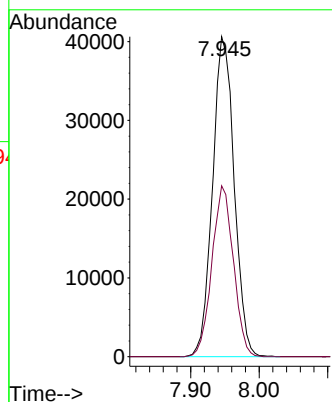


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.945 min Scan# 991
Delta R.T. 0.000 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

Instrument :
MSVOA_W
ClientSampleId :

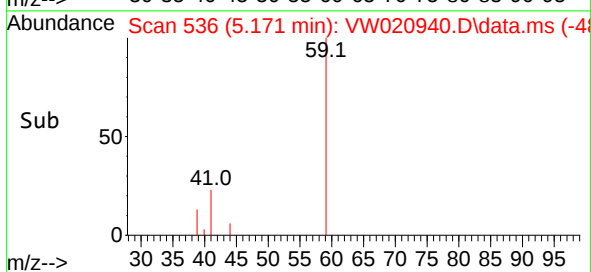
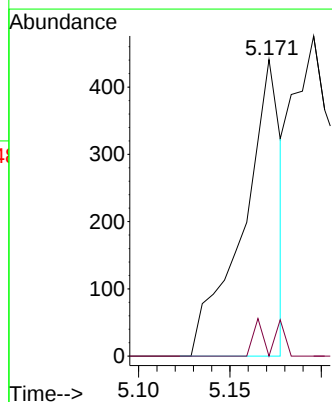
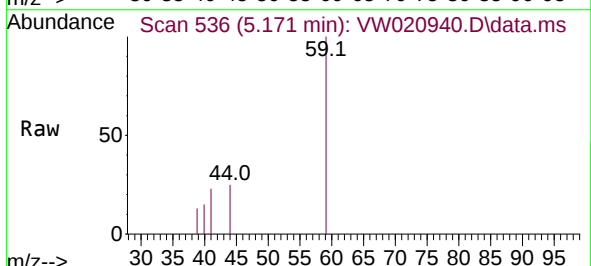


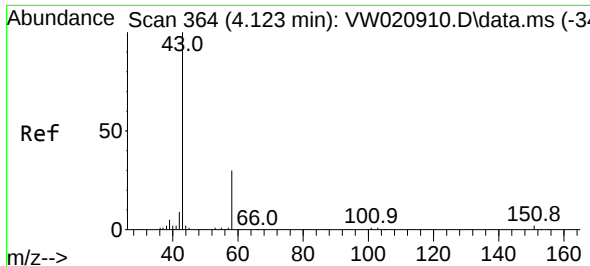
Tgt Ion:168 Resp: 88920
Ion Ratio Lower Upper
168 100
99 53.4 41.6 62.4



#11
Tert butyl alcohol
Concen: 8.682 ug/l
RT: 5.171 min Scan# 536
Delta R.T. -0.007 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 59 Resp: 630
Ion Ratio Lower Upper
59 100
57 6.3 4.3 6.5

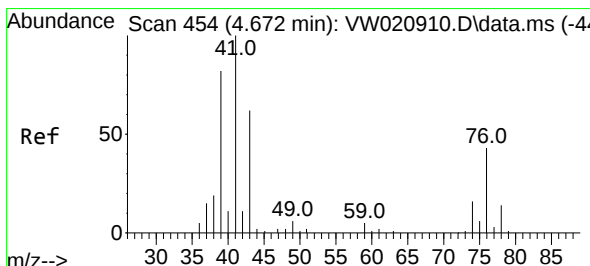
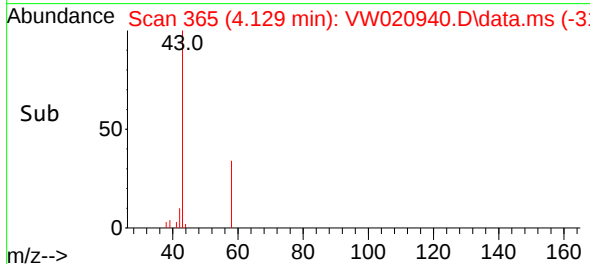
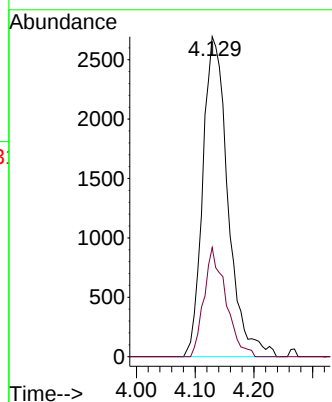
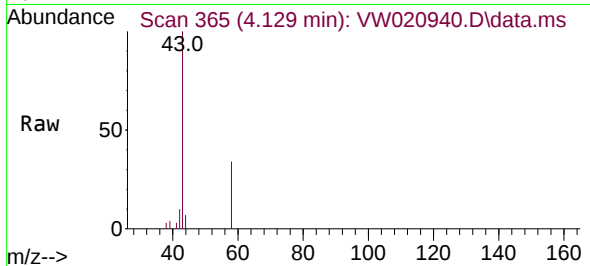




#16
Acetone
Concen: 46.853 ug/l
RT: 4.129 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

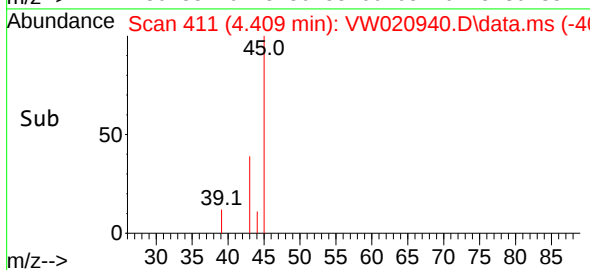
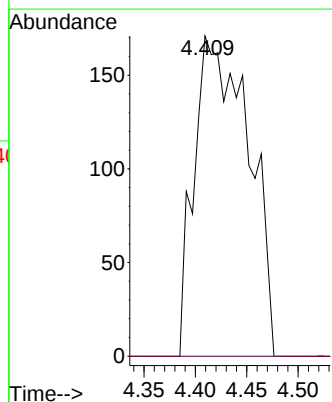
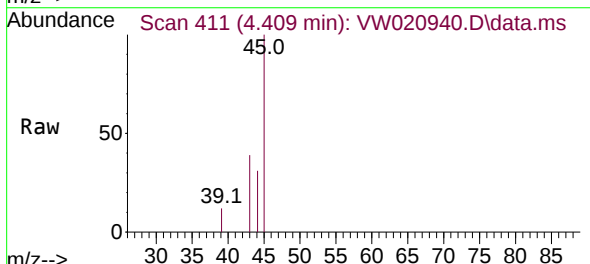
Instrument :
MSVOA_W
ClientSampleId :

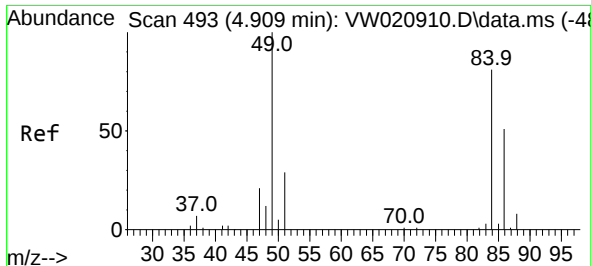
Tgt Ion: 43 Resp: 8022
Ion Ratio Lower Upper
43 100
58 34.1 24.2 36.2



#18
Methyl Acetate
Concen: 1.053 ug/l
RT: 4.409 min Scan# 411
Delta R.T. -0.262 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

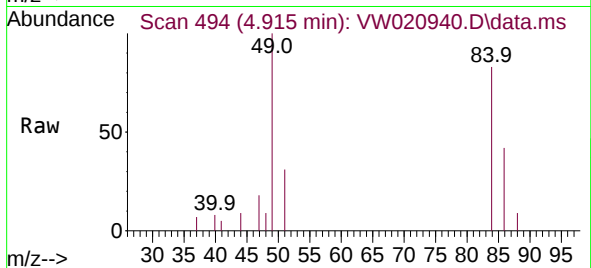
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#



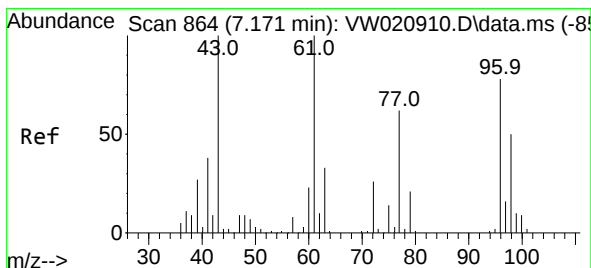
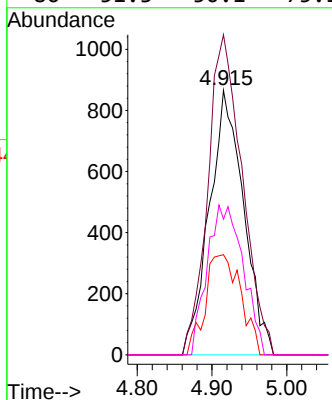


#20
Methylene Chloride
Concen: Below Cal
RT: 4.915 min Scan# 491
Delta R.T. 0.006 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

Instrument :
MSVOA_W
ClientSampleId :

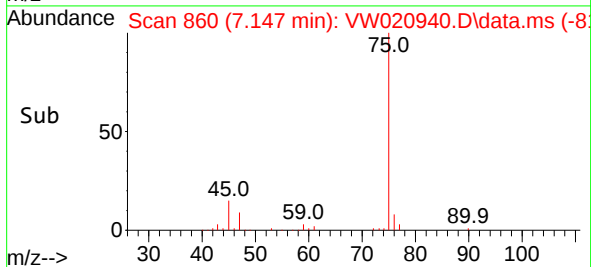
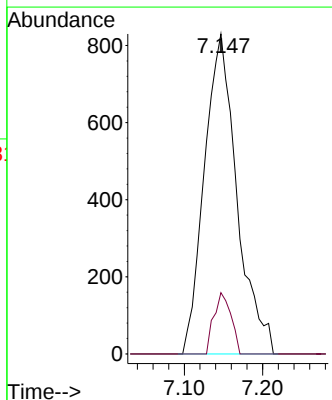
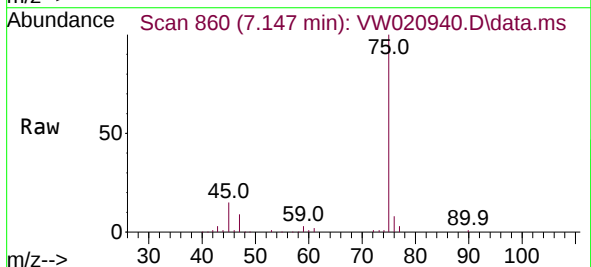


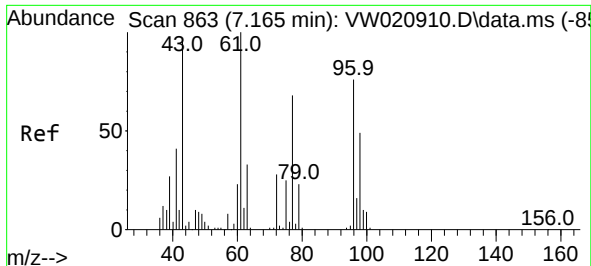
Tgt Ion: 84	Resp: 2762
Ion Ratio	Lower Upper
84 100	
49 121.0	99.1 148.7
51 37.9	28.8 43.2
86 51.3	50.1 75.1



#25
2-Butanone
Concen: 9.853 ug/l
RT: 7.147 min Scan# 860
Delta R.T. -0.024 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 43	Resp: 2396
Ion Ratio	Lower Upper
43 100	
72 19.2	20.7 31.1#

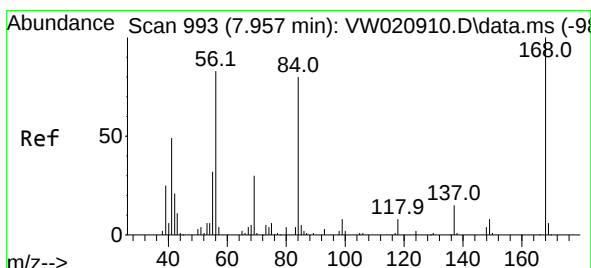
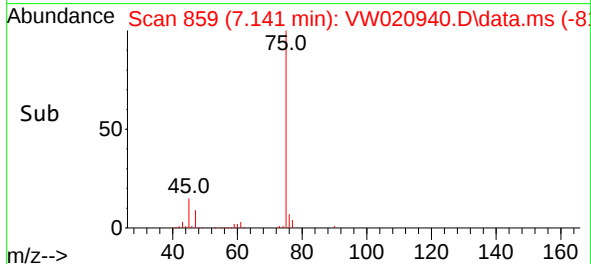
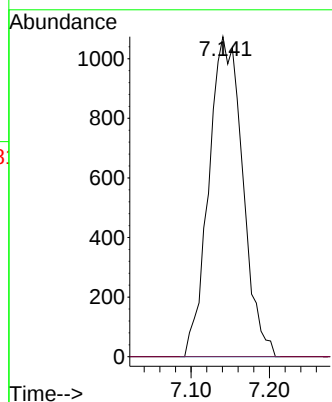
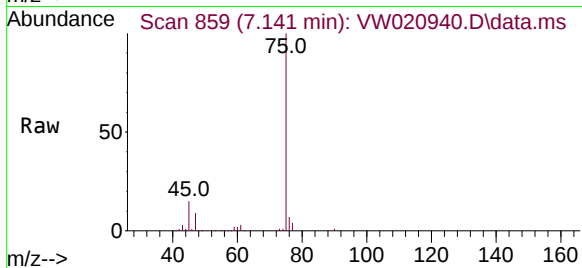




#26
2,2-Dichloropropane
Concen: 3.210 ug/l
RT: 7.141 min Scan# 81
Delta R.T. -0.024 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

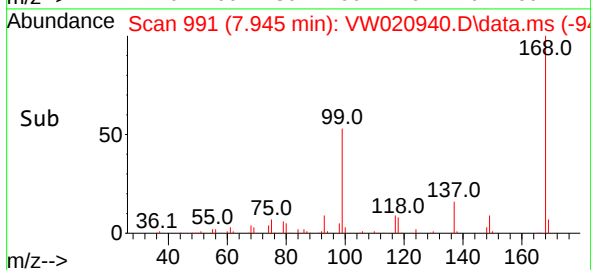
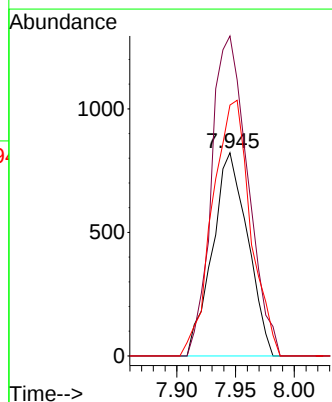
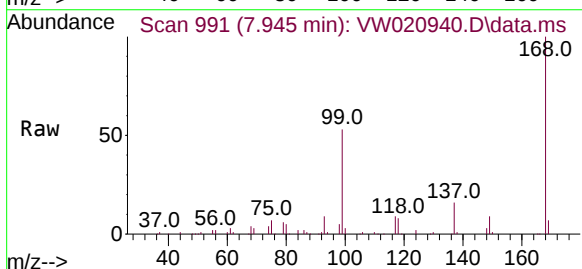
Instrument :
MSVOA_W
ClientSampleId :

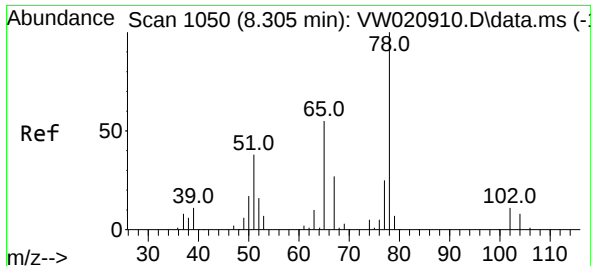
Tgt Ion: 77 Resp: 3226
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.012 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 56 Resp: 1717
Ion Ratio Lower Upper
56 100
69 157.5 28.7 43.1#
84 123.5 77.6 116.4#





#33

1,2-Dichloroethane-d4

Concen: 52.246 ug/l

RT: 8.305 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VW020940.D

Acq: 22 Nov 2021 16:37

Instrument :

MSVOA_W

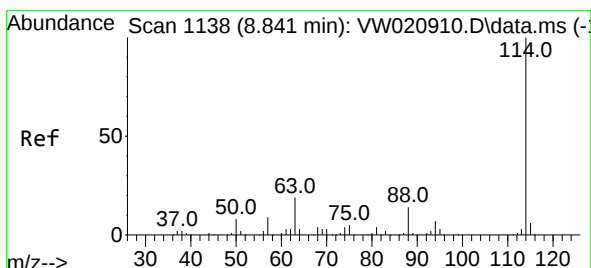
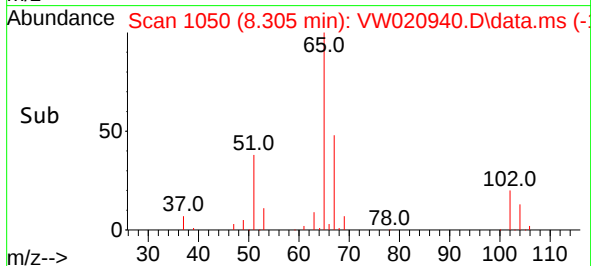
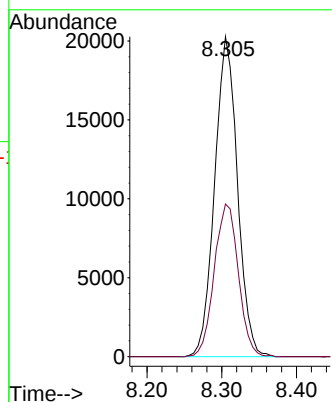
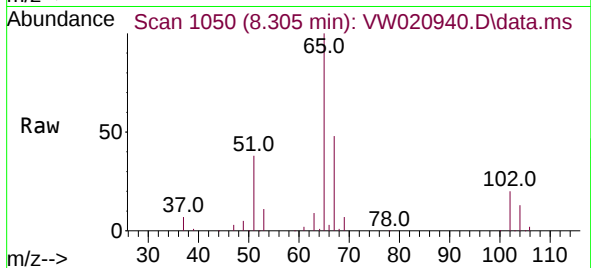
ClientSampleId :

Tgt Ion: 65 Resp: 43033

Ion Ratio Lower Upper

65 100

67 50.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.841 min Scan# 1138

Delta R.T. -0.000 min

Lab File: VW020940.D

Acq: 22 Nov 2021 16:37

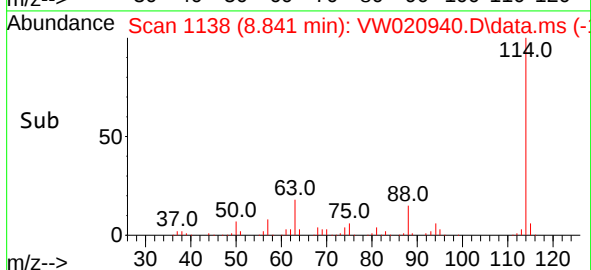
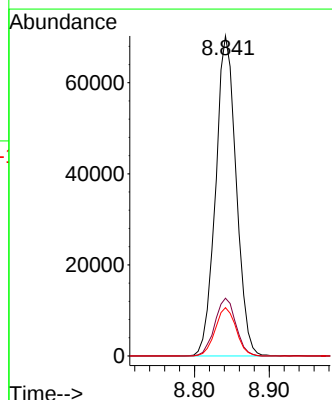
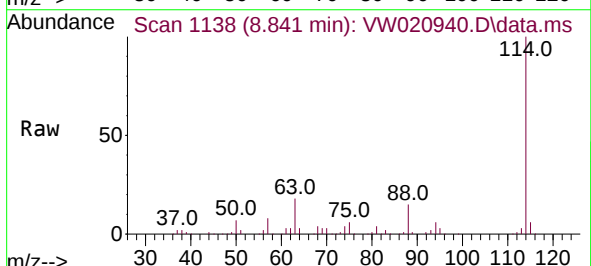
Tgt Ion: 114 Resp: 134537

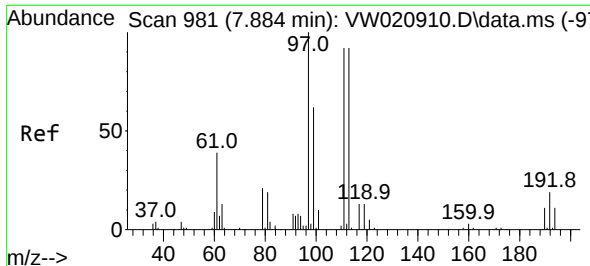
Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.2

88 15.1 0.0 28.8

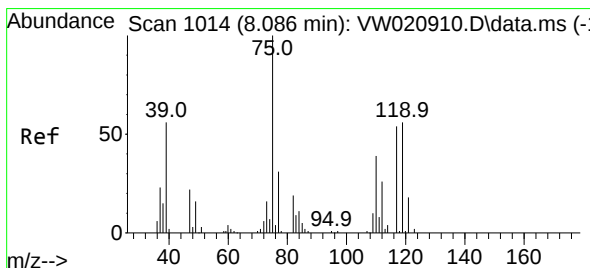
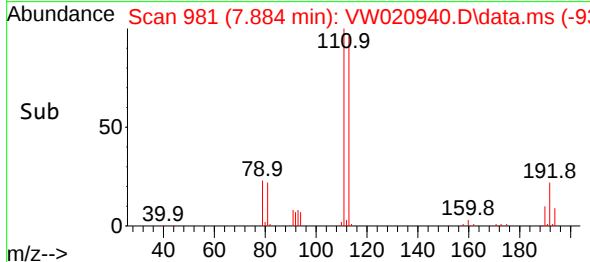
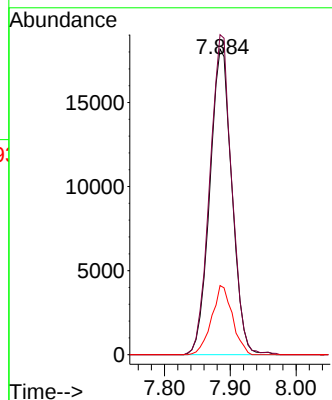
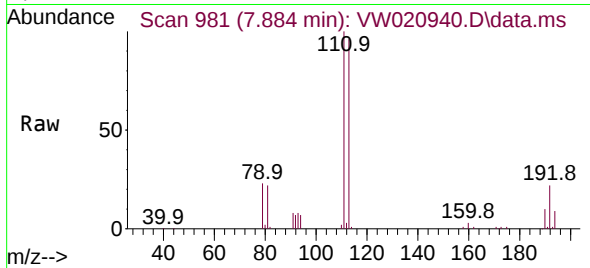




#35
Dibromofluoromethane
Concen: 50.364 ug/l
RT: 7.884 min Scan# 991
Delta R.T. -0.000 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

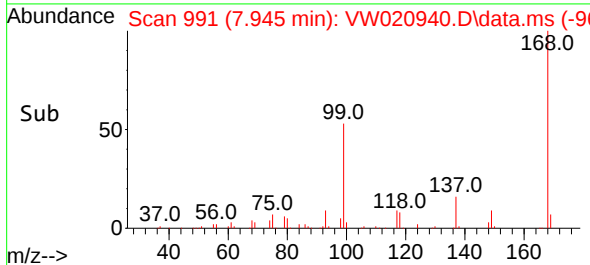
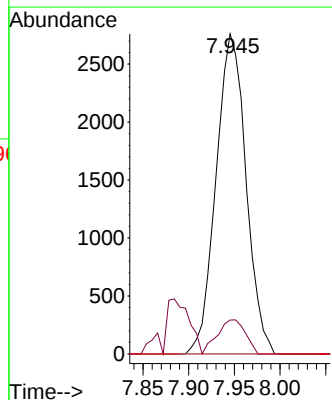
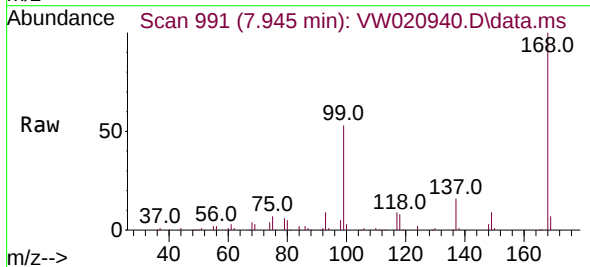
Instrument :
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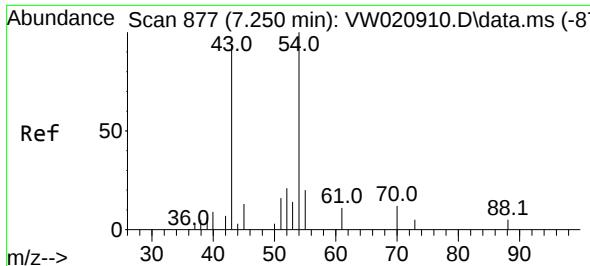
Tgt Ion:113 Resp: 42502
Ion Ratio Lower Upper
113 100
111 104.3 81.2 121.8
192 21.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.208 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.140 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 75 Resp: 6295
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.5#
77 0.0 24.8 37.2#

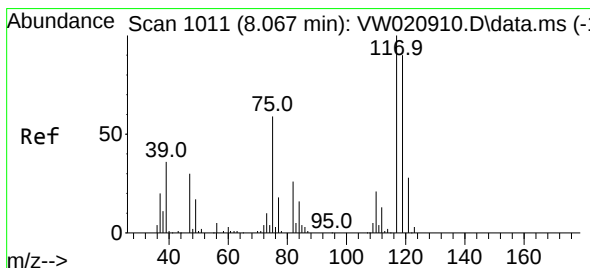
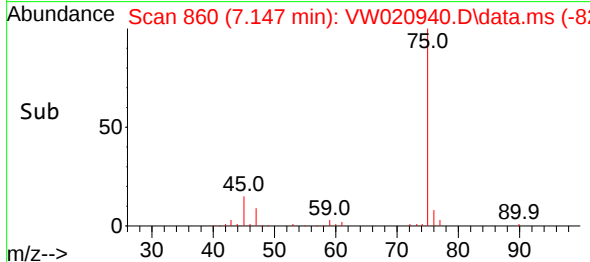
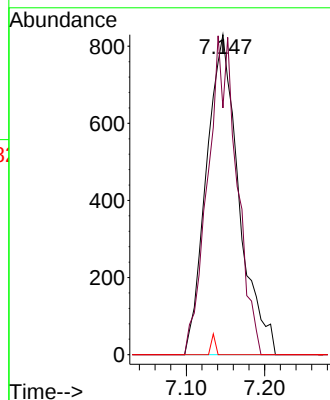
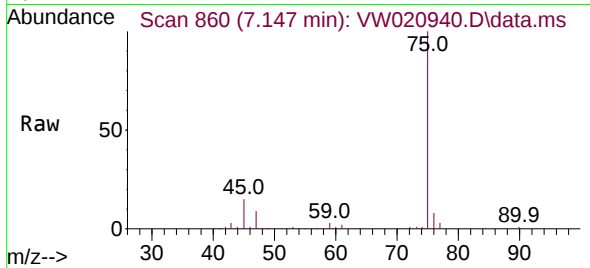




#37
Ethyl Acetate
Concen: 4.346 ug/l
RT: 7.147 min Scan# 80
Delta R.T. -0.104 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

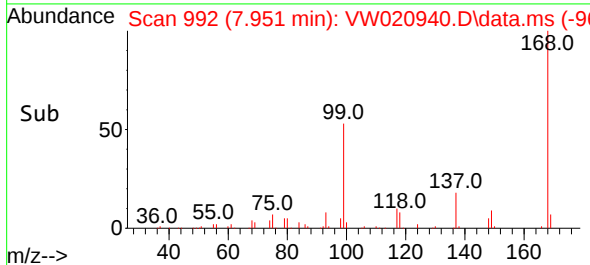
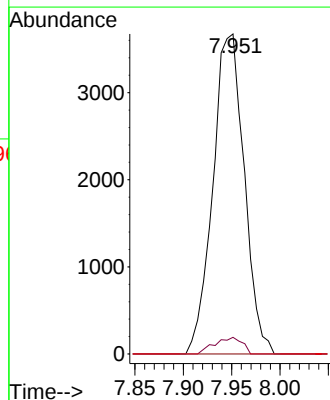
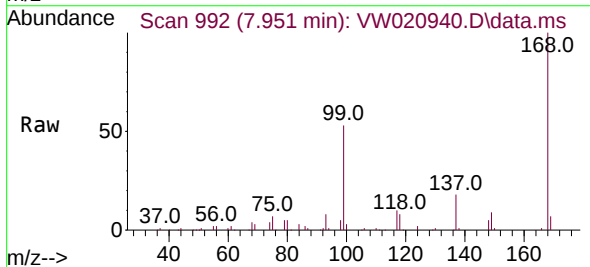
Instrument :
MSVOA_W
ClientSampleId :

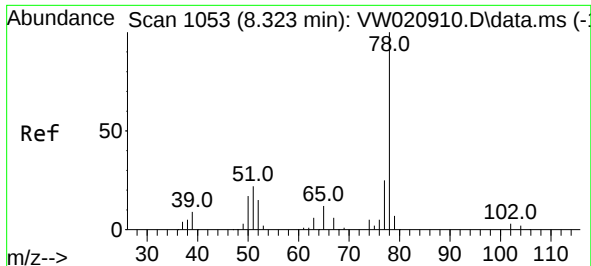
Tgt Ion: 43 Resp: 2396
Ion Ratio Lower Upper
43 100
61 89.4 11.3 16.9#
70 0.8 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 6.443 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.116 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 117 Resp: 8284
Ion Ratio Lower Upper
117 100
119 5.2 72.0 108.0#
121 0.0 22.6 33.8#

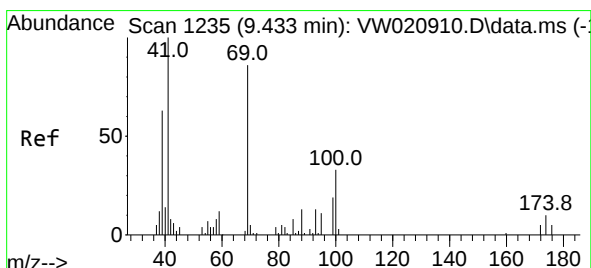
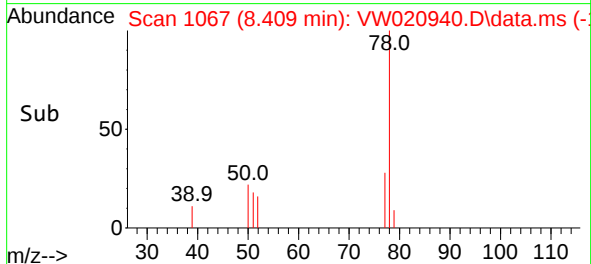
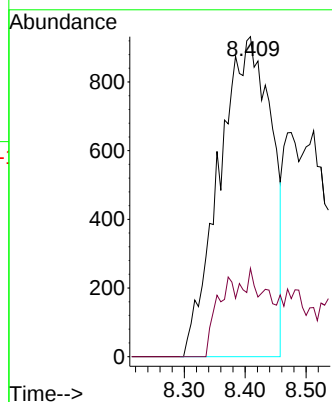
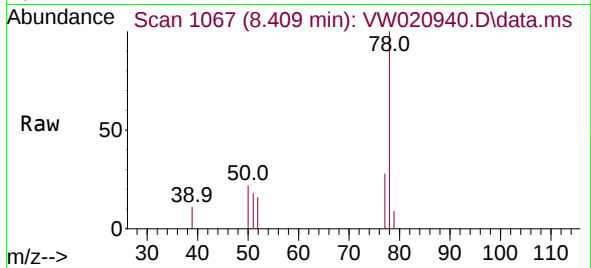




#40
Benzene
Concen: 1.603 ug/l
RT: 8.409 min Scan# 1100
Delta R.T. 0.085 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

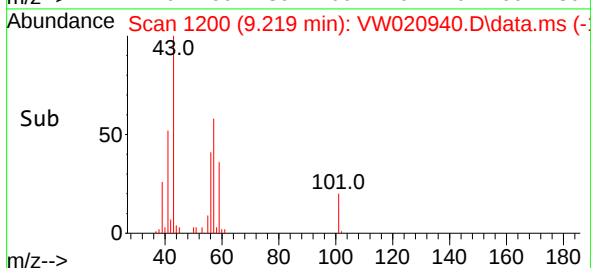
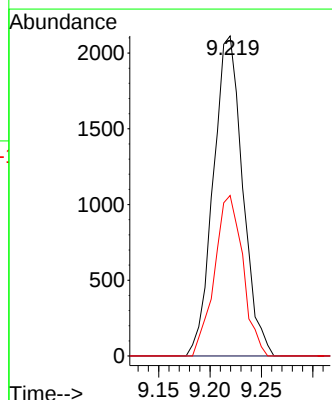
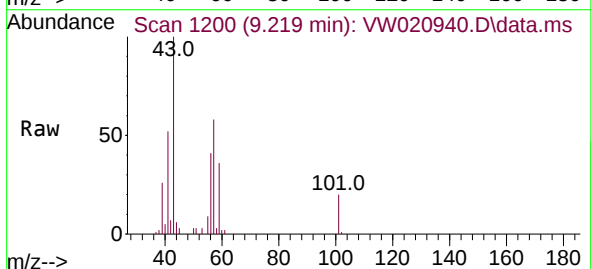
Instrument :
MSVOA_W
ClientSampleId :

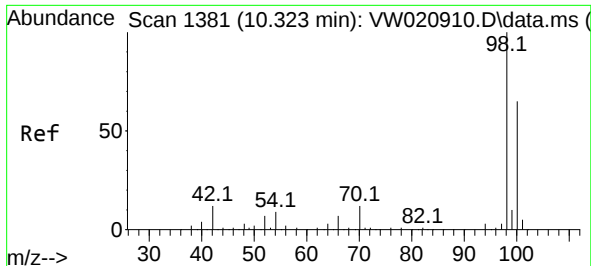
Tgt Ion: 78 Resp: 5523
Ion Ratio Lower Upper
78 100
77 27.6 20.0 30.0



#48
Methyl methacrylate
Concen: 8.722 ug/l
RT: 9.219 min Scan# 1200
Delta R.T. -0.213 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 41 Resp: 4198
Ion Ratio Lower Upper
41 100
69 0.0 72.9 109.3#
39 48.4 54.2 81.4#

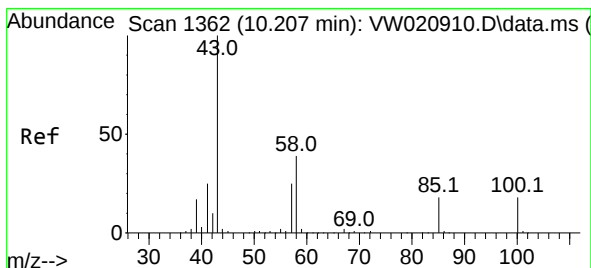
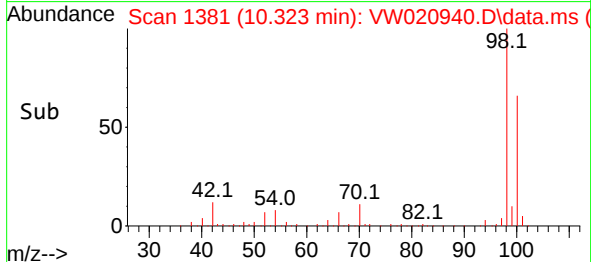
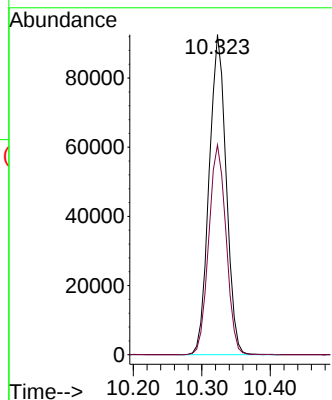
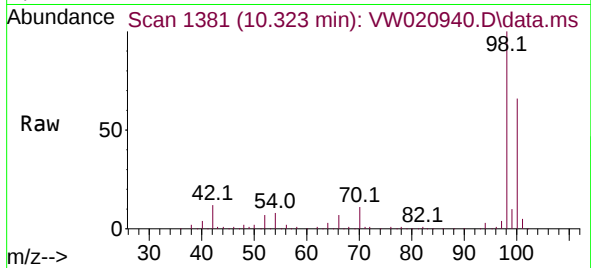




#50
Toluene-d8
Concen: 51.613 ug/l
RT: 10.323 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

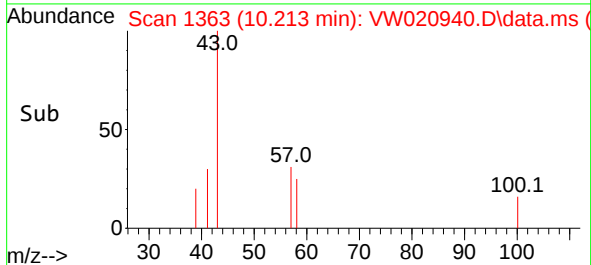
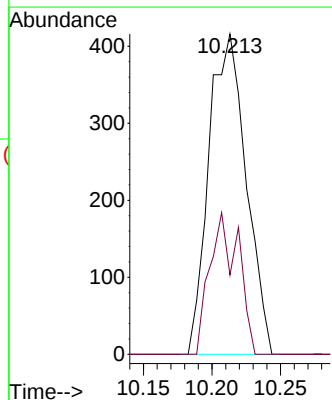
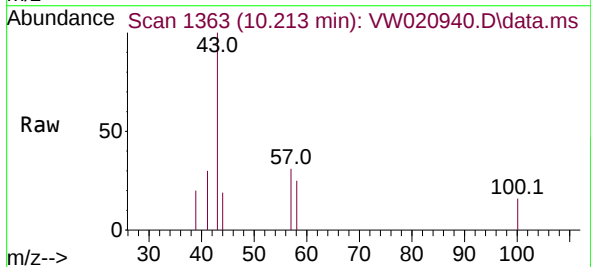
Instrument :
MSVOA_W
ClientSampleId :

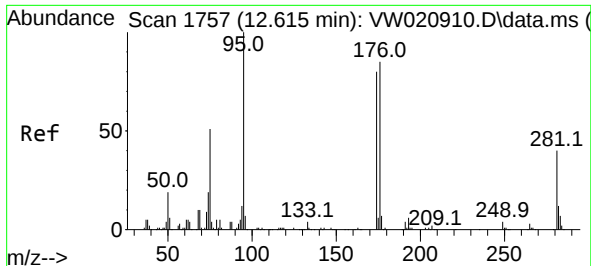
Tgt Ion: 98 Resp: 159746
Ion Ratio Lower Upper
98 100
100 66.6 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 1.427 ug/l
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
58 34.0 30.9 46.3

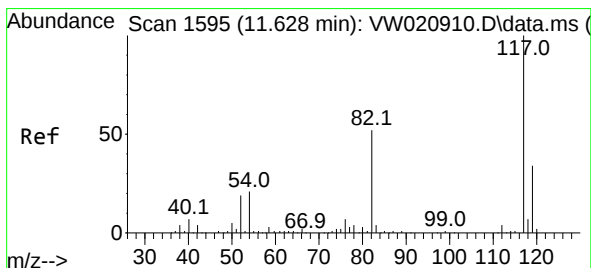
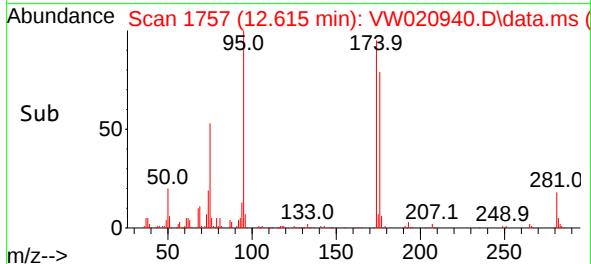
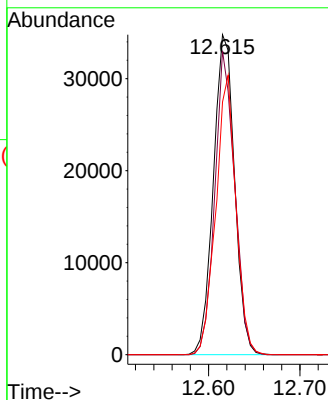
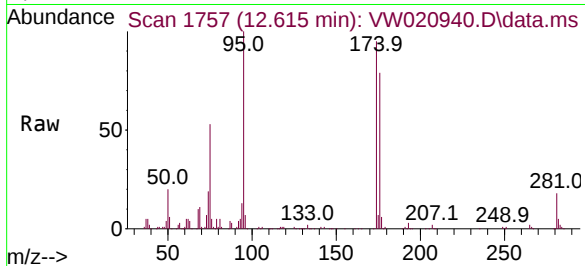




#62
4-Bromofluorobenzene
Concen: 48.598 ug/l
RT: 12.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

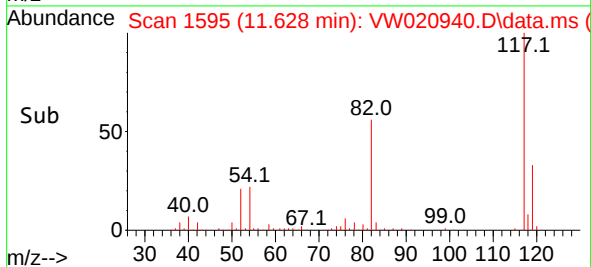
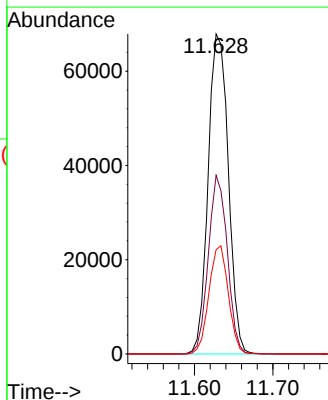
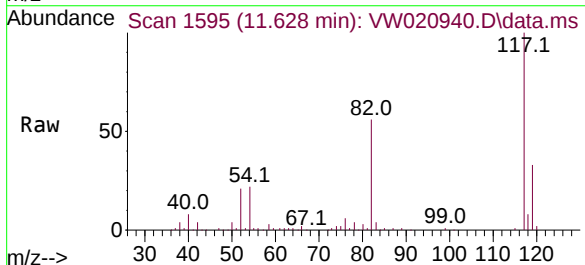
Instrument :
MSVOA_W
ClientSampleId :

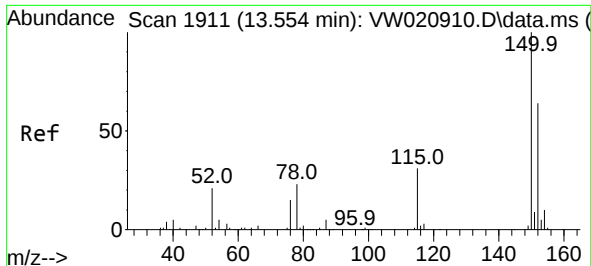
Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	171.2
176	83.1	0.0	175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.628 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VW020940.D
Acq: 22 Nov 2021 16:37

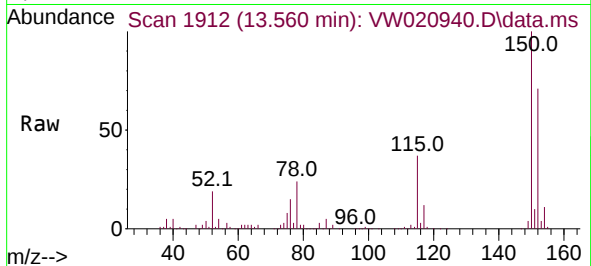
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	41.4	62.2
119	32.6	27.2	40.8



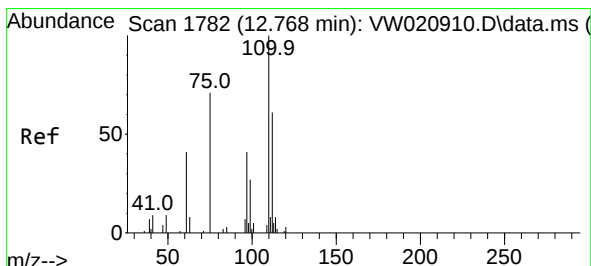
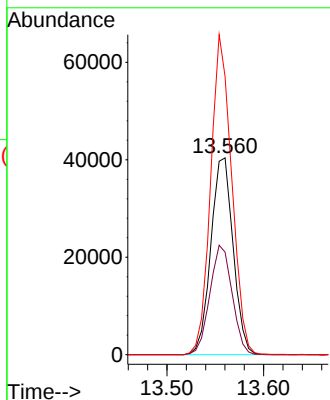
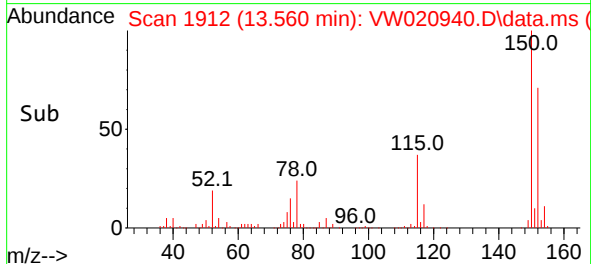


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.560 min Scan# 1911
 Delta R.T. 0.006 min
 Lab File: VW020940.D
 Acq: 22 Nov 2021 16:37

Instrument :
 MSVOA_W
 ClientSampleId :

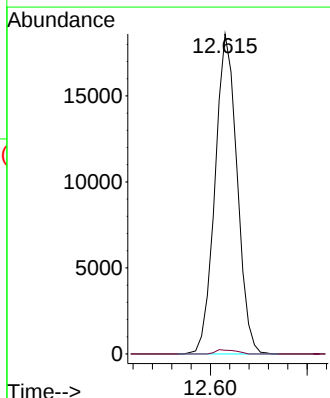
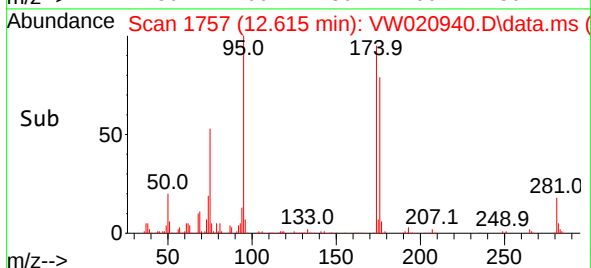
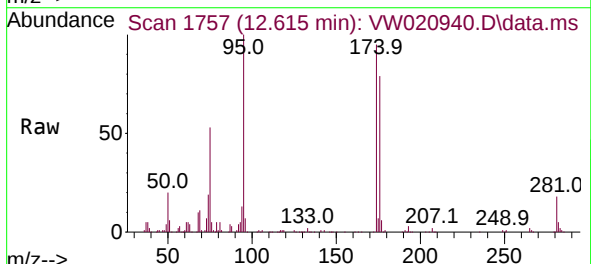


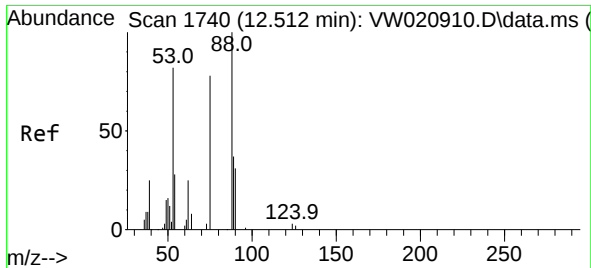
Tgt Ion:152 Resp: 64653
 Ion Ratio Lower Upper
 152 100
 115 55.6 27.8 83.3
 150 153.4 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 50.647 ug/l
 RT: 12.615 min Scan# 1757
 Delta R.T. -0.152 min
 Lab File: VW020940.D
 Acq: 22 Nov 2021 16:37

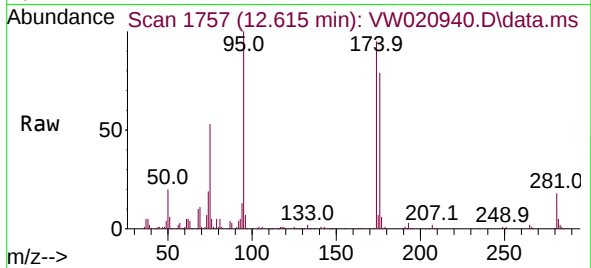
Tgt Ion: 75 Resp: 29420
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.137 ug/l
 RT: 12.615 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW020940.D
 Acq: 22 Nov 2021 16:37

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.8	122.8#
89	0.2	38.6	57.8#

