

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112221\
 Data File : VW020936.D
 Acq On : 22 Nov 2021 15:00
 Operator : SY/VA
 Sample : M4758-19RE
 Misc : 5.03g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 23 02:24:11 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)

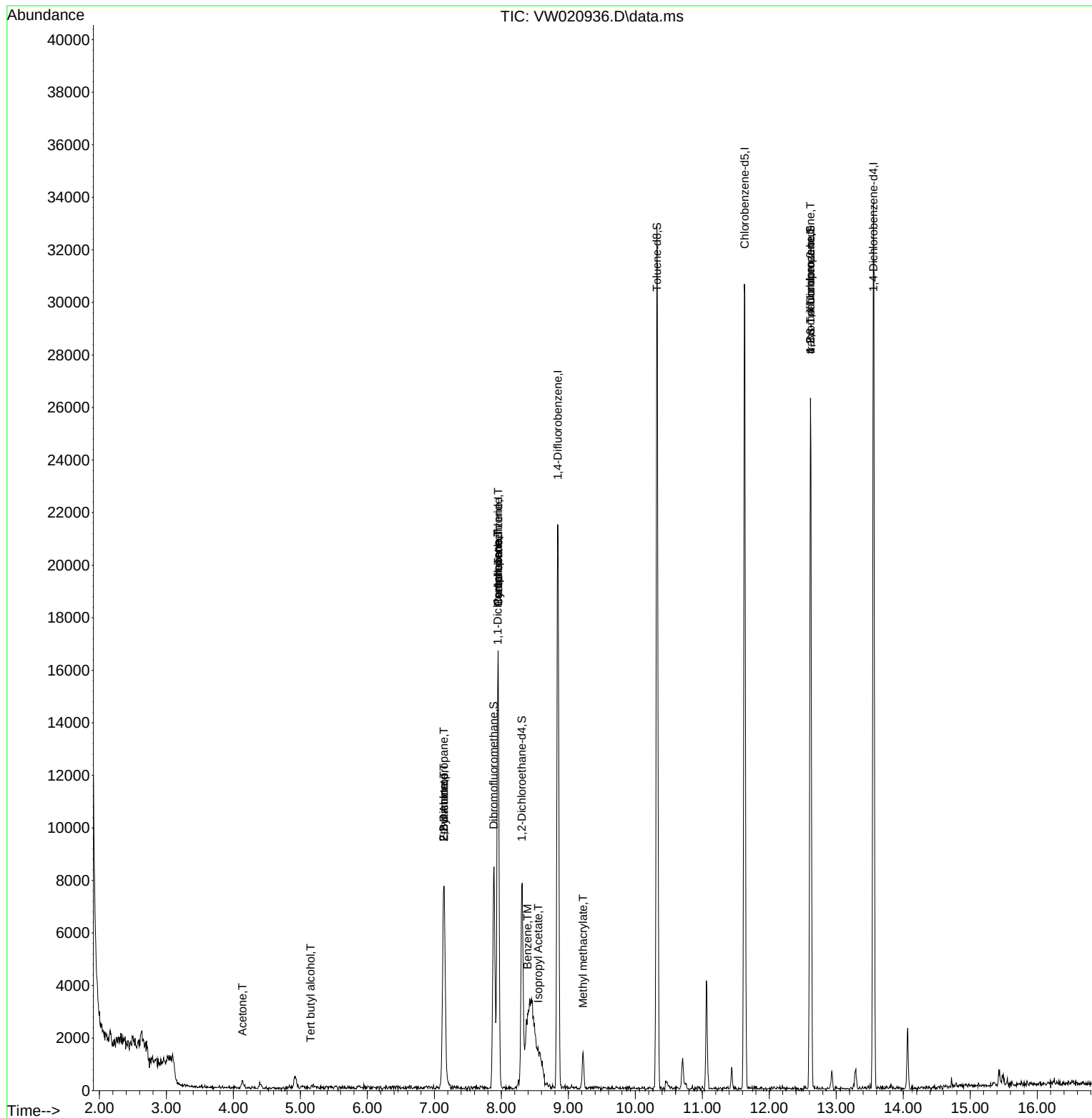
Internal Standards						
1) Pentafluorobenzene	7.952	168	13229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	19359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	17413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	9329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	6198	50.579	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.160%
35) Dibromofluoromethane	7.885	113	5986	49.296	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.600%
50) Toluene-d8	10.323	98	21547	48.381	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.760%
62) 4-Bromofluorobenzene	12.615	95	7426	44.710	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.153	59	82	7.595	ug/l #	84
16) Acetone	4.135	43	510	20.022	ug/l #	88
20) Methylene Chloride	4.916	84	379	Below Cal	#	80
25) 2-Butanone	7.141	43	373	10.310	ug/l #	49
26) 2,2-Dichloropropane	7.141	77	546	3.652	ug/l #	52
31) Cyclohexane	7.952	56	301	1.472	ug/l #	52
36) 1,1-Dichloropropene	7.946	75	899	5.169	ug/l #	40
37) Ethyl Acetate	7.141	43	373	4.702	ug/l #	1
38) Carbon Tetrachloride	7.952	117	1257	6.794	ug/l #	15
40) Benzene	8.391	78	4475	9.025	ug/l #	85
43) Isopropyl Acetate	8.549	43	171	1.098	ug/l #	52
48) Methyl methacrylate	9.220	41	316	4.563	ug/l #	40
76) 1,2,3-Trichloropropane	12.615	75	4180	49.870	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	4180	117.309	ug/l #	9

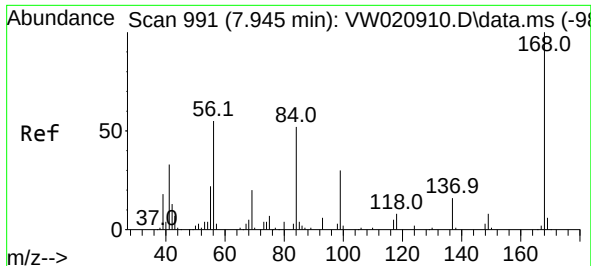
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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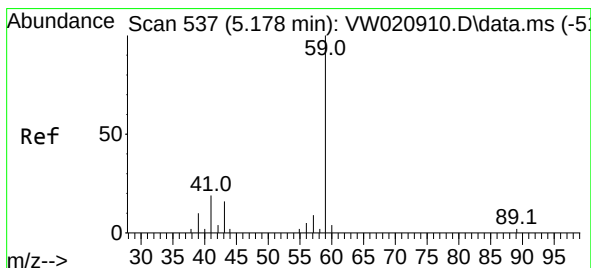
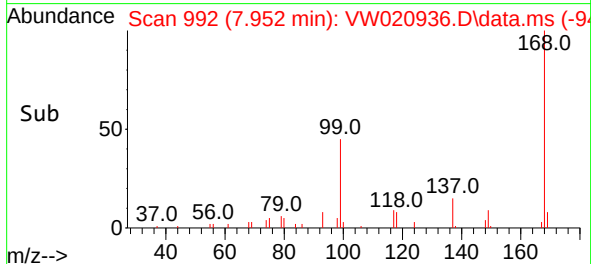
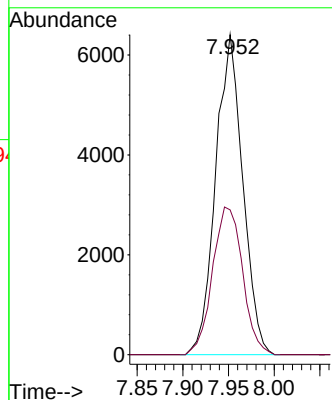
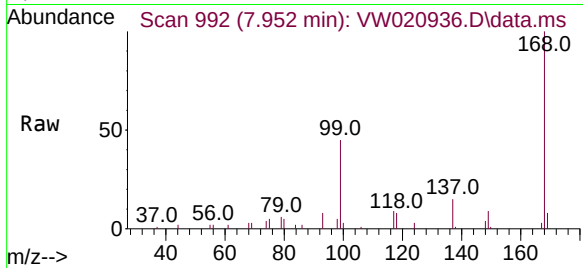




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.952 min Scan# 99
Delta R.T. 0.007 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

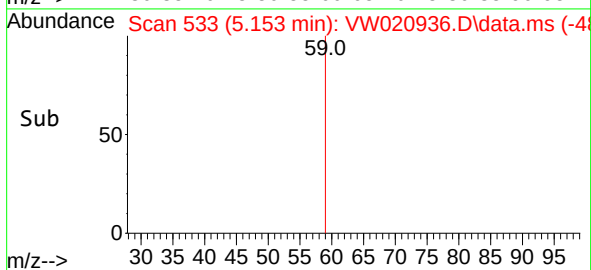
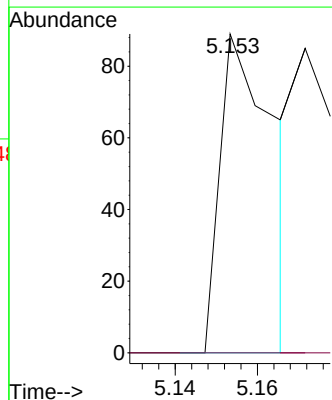
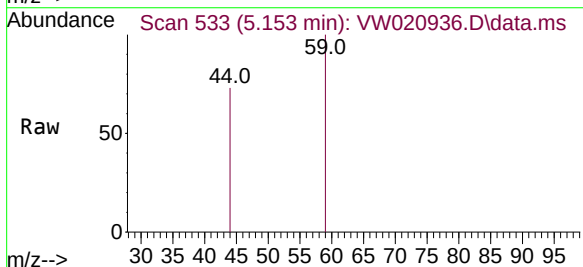
Instrument :
MSVOA_W
ClientSampleId :

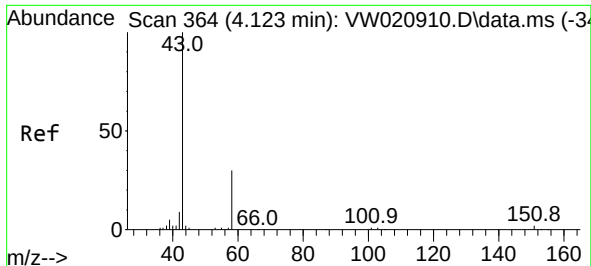
Tgt Ion:168 Resp: 13229
Ion Ratio Lower Upper
168 100
99 45.3 41.6 62.4



#11
Tert butyl alcohol
Concen: 7.595 ug/l
RT: 5.153 min Scan# 533
Delta R.T. -0.025 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

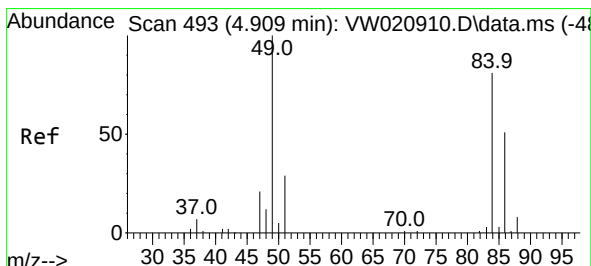
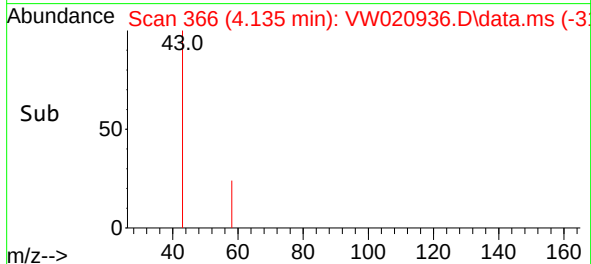
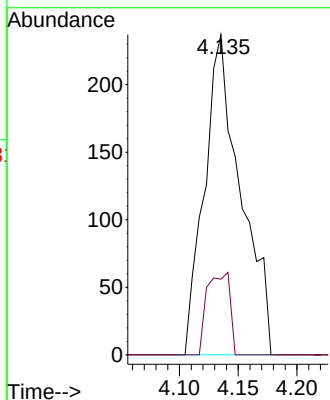
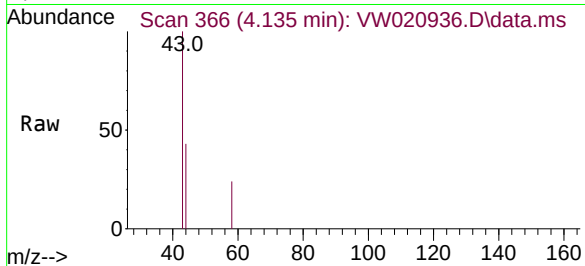




#16
Acetone
Concen: 20.022 ug/l
RT: 4.135 min Scan# 366
Delta R.T. 0.012 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

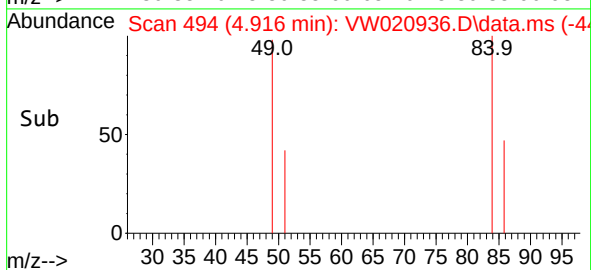
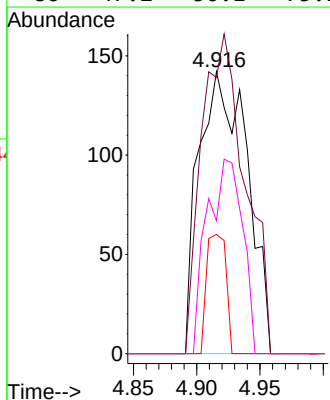
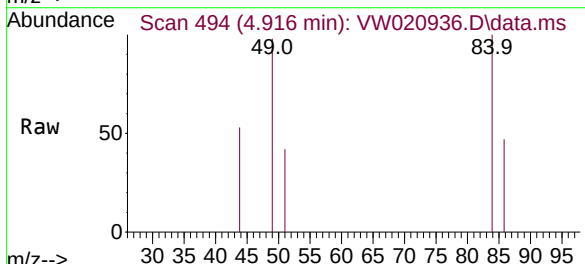
Instrument :
MSVOA_W
ClientSampleId :

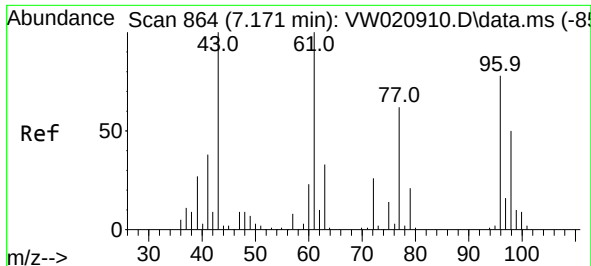
Tgt Ion: 43 Resp: 510
Ion Ratio Lower Upper
43 100
58 23.6 24.2 36.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.916 min Scan# 494
Delta R.T. 0.007 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Tgt Ion: 84 Resp: 379
Ion Ratio Lower Upper
84 100
49 97.9 99.1 148.7#
51 42.3 28.8 43.2
86 47.2 50.1 75.1#

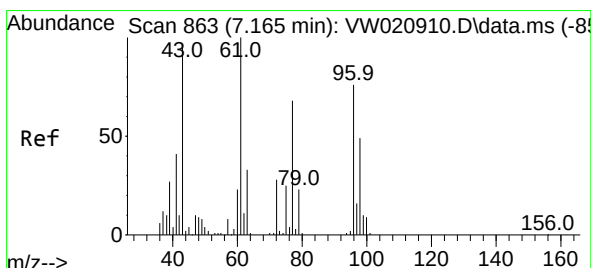
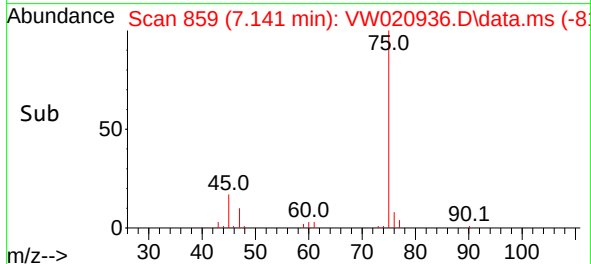
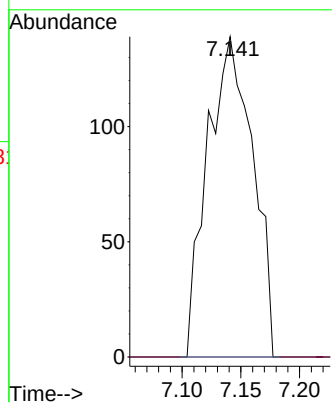
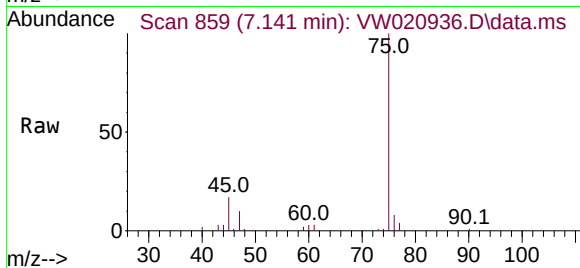




#25
2-Butanone
Concen: 10.310 ug/l
RT: 7.141 min Scan# 859
Delta R.T. -0.030 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

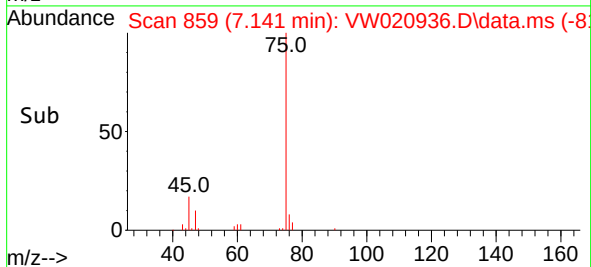
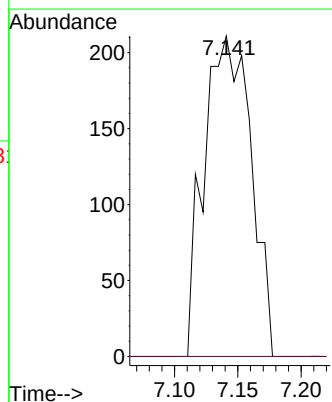
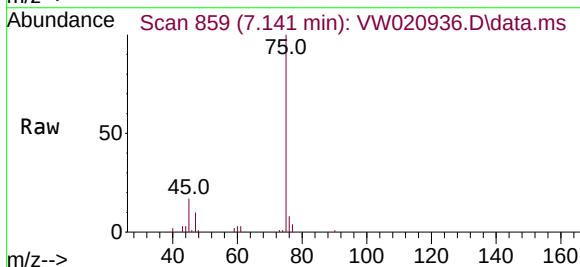
Instrument :
MSVOA_W
ClientSampleId :

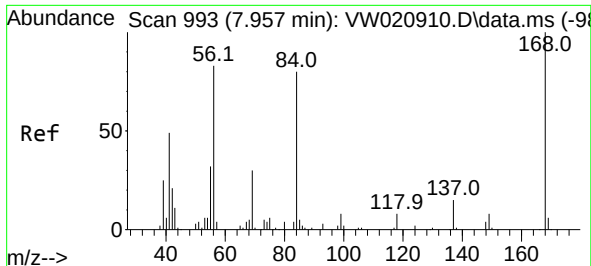
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#26
2,2-Dichloropropane
Concen: 3.652 ug/l
RT: 7.141 min Scan# 859
Delta R.T. -0.024 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

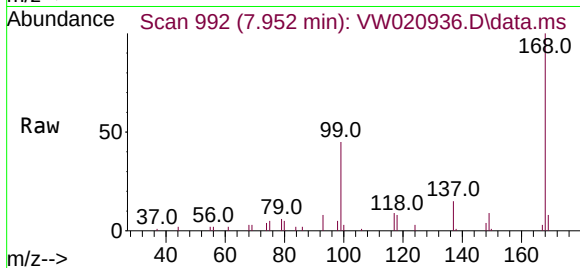
Tgt Ion: 77 Resp: 546
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



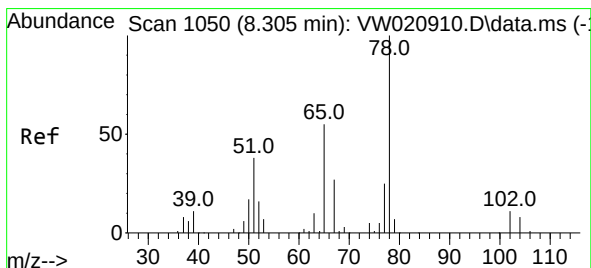
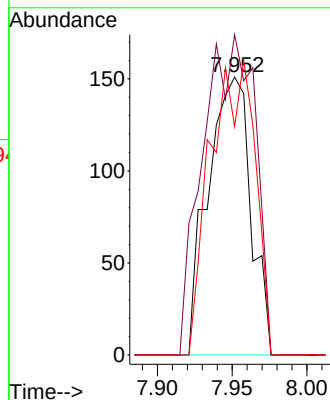
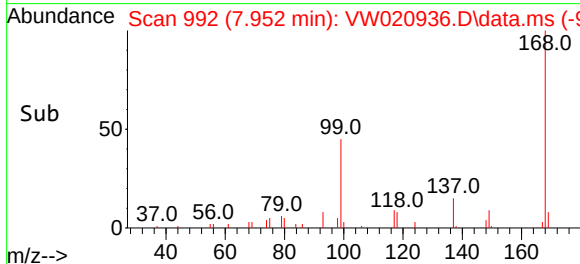


#31
Cyclohexane
Concen: 1.472 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Instrument :
MSVOA_W
ClientSampleId :

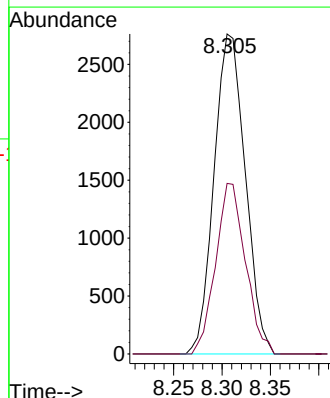
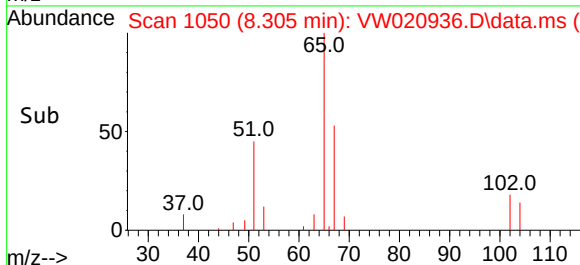
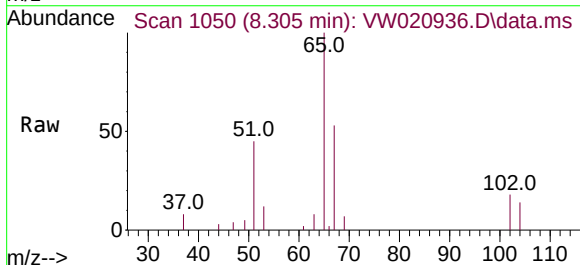


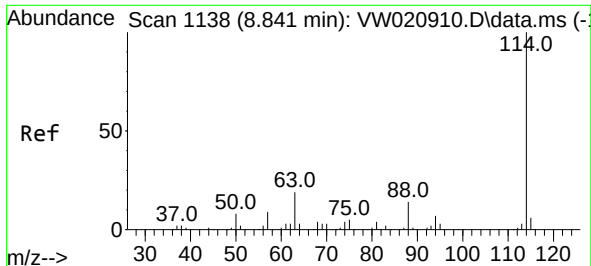
Tgt Ion: 56 Resp: 301
Ion Ratio Lower Upper
56 100
69 115.2 28.7 43.1#
84 82.1 77.6 116.4



#33
1,2-Dichloroethane-d4
Concen: 50.579 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Tgt Ion: 65 Resp: 6198
Ion Ratio Lower Upper
65 100
67 51.0 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: VW020936.D

Acq: 22 Nov 2021 15:00

Instrument :

MSVOA_W

ClientSampleId :

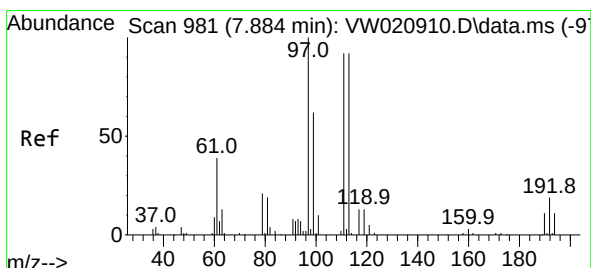
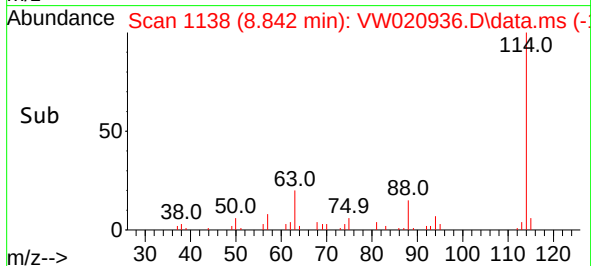
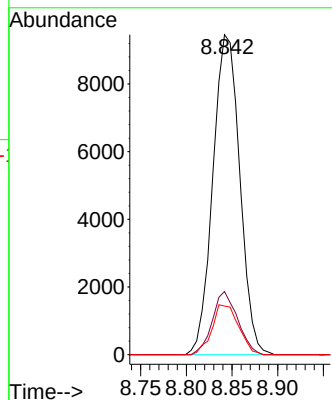
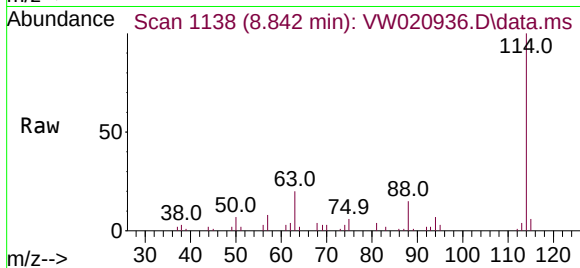
Tgt Ion:114 Resp: 19359

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.2

88 15.2 0.0 28.8



#35

Dibromofluoromethane

Concen: 49.296 ug/l

RT: 7.885 min Scan# 981

Delta R.T. 0.000 min

Lab File: VW020936.D

Acq: 22 Nov 2021 15:00

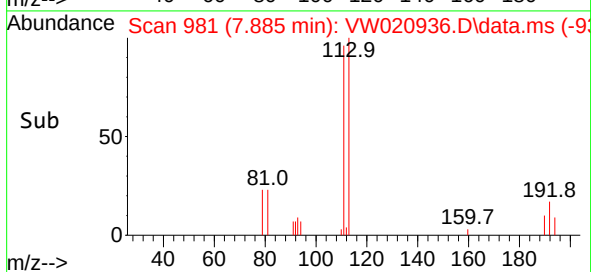
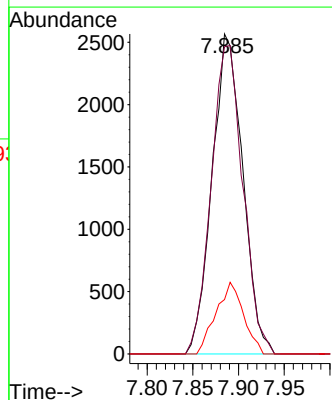
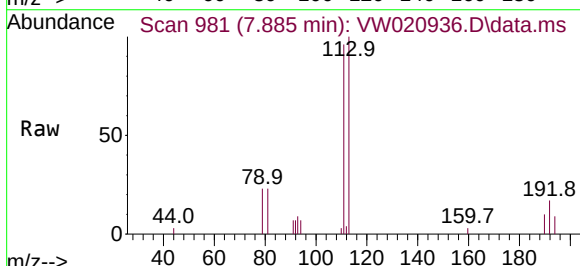
Tgt Ion:113 Resp: 5986

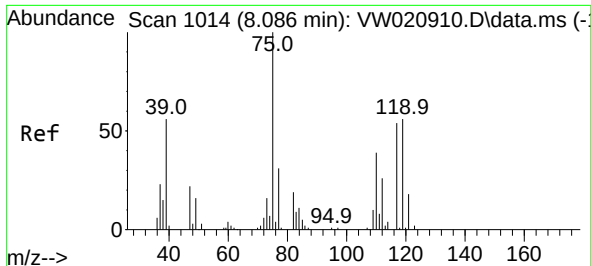
Ion Ratio Lower Upper

113 100

111 99.6 81.2 121.8

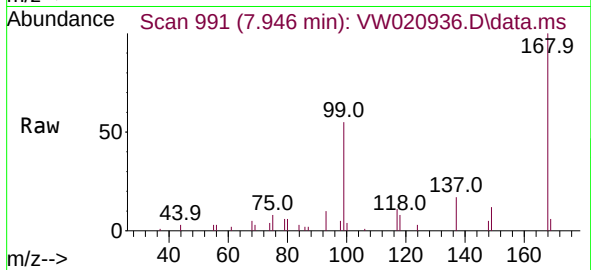
192 20.1 16.8 25.2



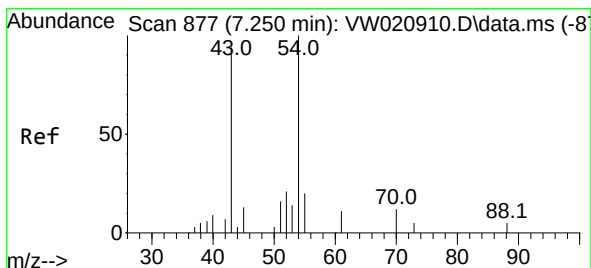
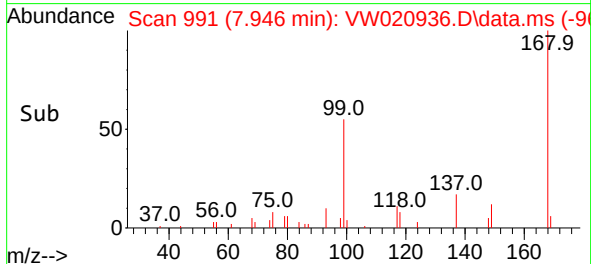
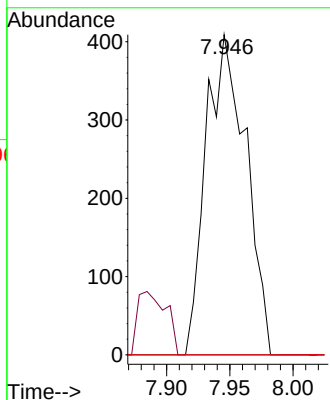


#36
1,1-Dichloropropene
Concen: 5.169 ug/l
RT: 7.946 min Scan# 911
Delta R.T. -0.140 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Instrument :
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ClientSampleId :

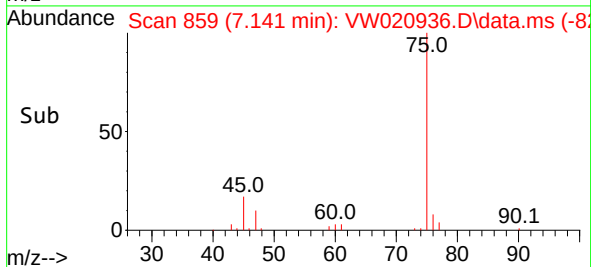
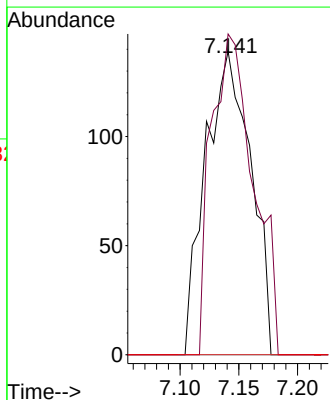
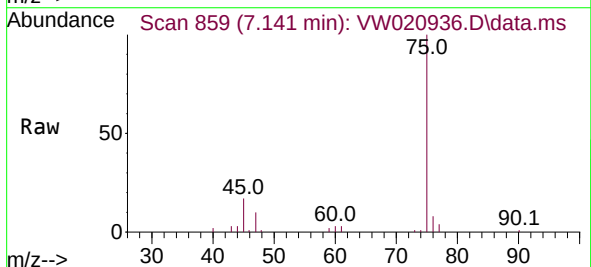


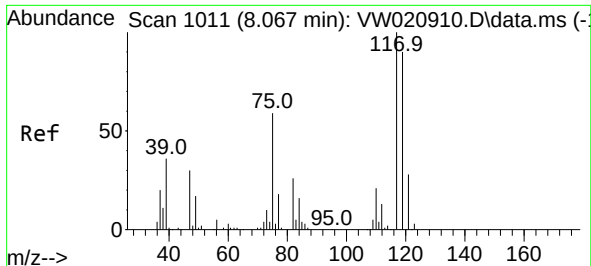
Tgt Ion: 75 Resp: 899
Ion Ratio Lower Upper
75 100
110 0.0 19.1 57.5#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 4.702 ug/l
RT: 7.141 min Scan# 859
Delta R.T. -0.110 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

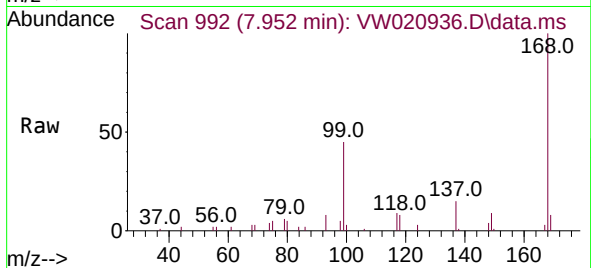
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
61 98.9 11.3 16.9#
70 0.0 9.2 13.8#



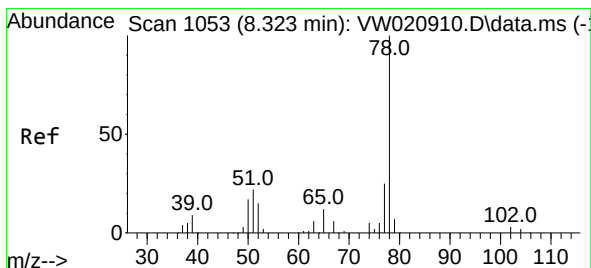
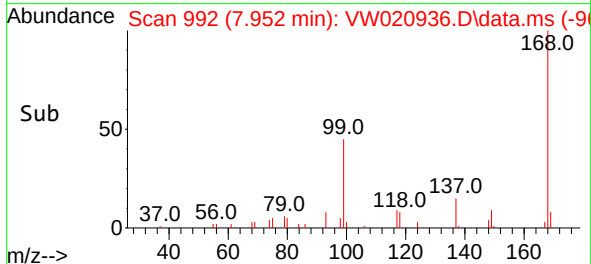
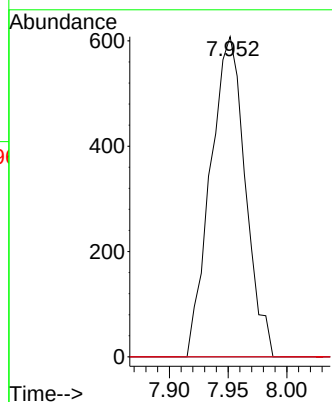


#38
Carbon Tetrachloride
Concen: 6.794 ug/l
RT: 7.952 min Scan# 91
Delta R.T. -0.116 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Instrument :
MSVOA_W
ClientSampleId :

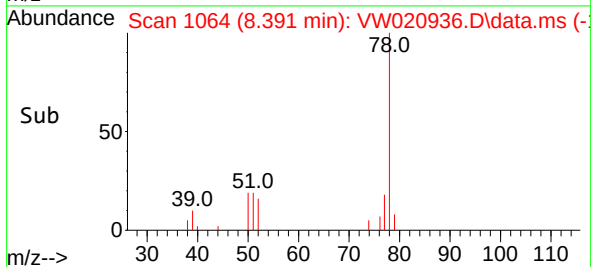
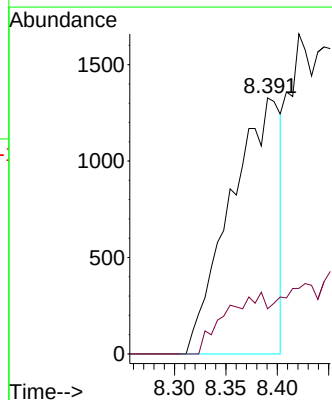
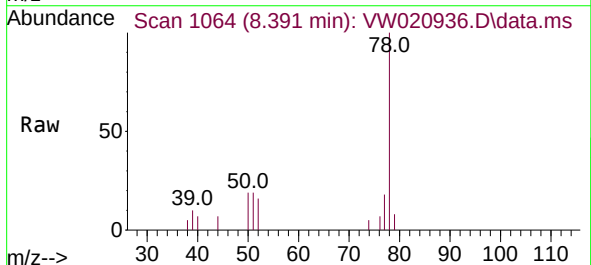


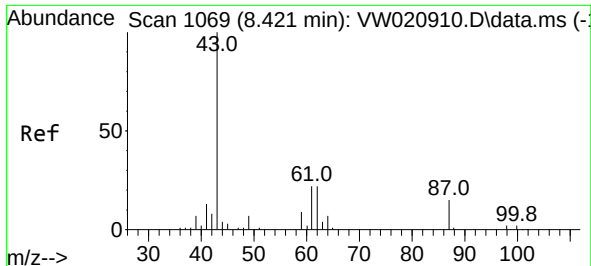
Tgt Ion:117 Resp: 1257
Ion Ratio Lower Upper
117 100
119 0.0 72.0 108.0#
121 0.0 22.6 33.8#



#40
Benzene
Concen: 9.025 ug/l
RT: 8.391 min Scan# 1064
Delta R.T. 0.067 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Tgt Ion: 78 Resp: 4475
Ion Ratio Lower Upper
78 100
77 17.6 20.0 30.0#

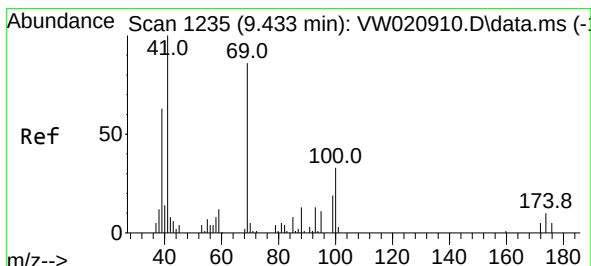
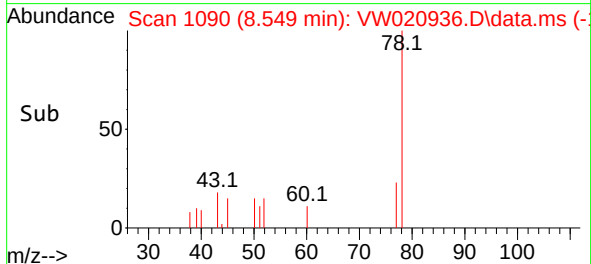
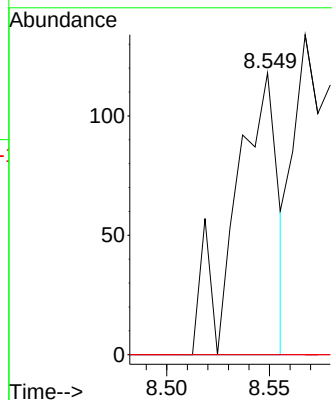
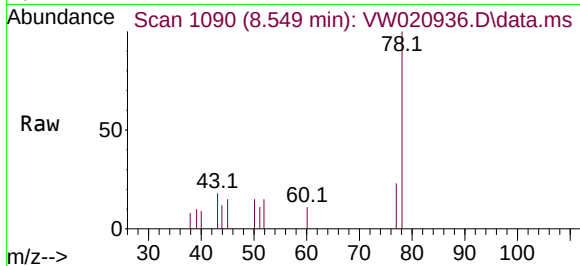




#43
Isopropyl Acetate
Concen: 1.098 ug/l
RT: 8.549 min Scan# 1069
Delta R.T. 0.128 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

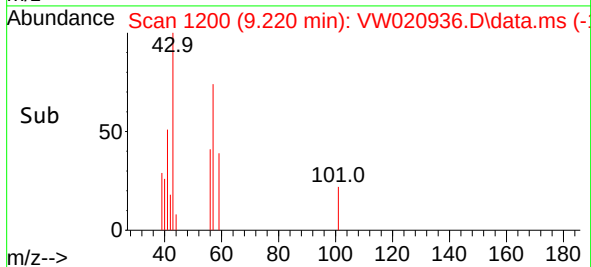
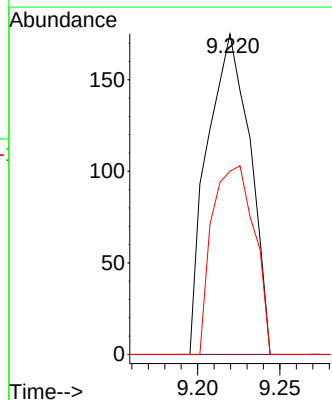
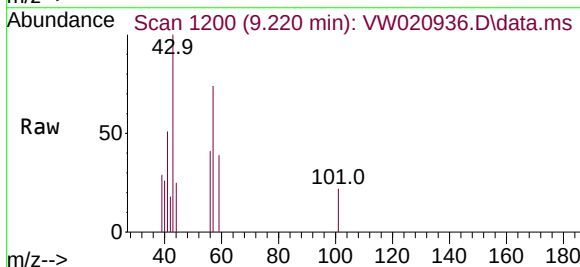
Instrument :
MSVOA_W
ClientSampleId :

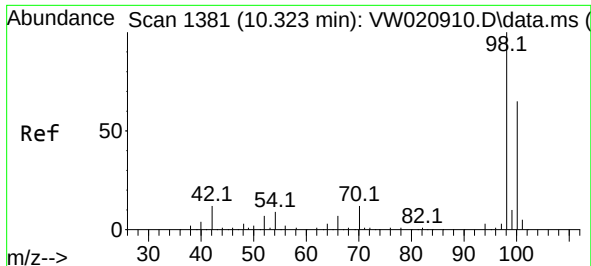
Tgt Ion: 43 Resp: 171
Ion Ratio Lower Upper
43 100
61 0.0 23.7 35.5#
87 0.0 11.5 17.3#



#48
Methyl methacrylate
Concen: 4.563 ug/l
RT: 9.220 min Scan# 1200
Delta R.T. -0.213 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Tgt Ion: 41 Resp: 316
Ion Ratio Lower Upper
41 100
69 0.0 72.9 109.3#
39 57.9 54.2 81.4

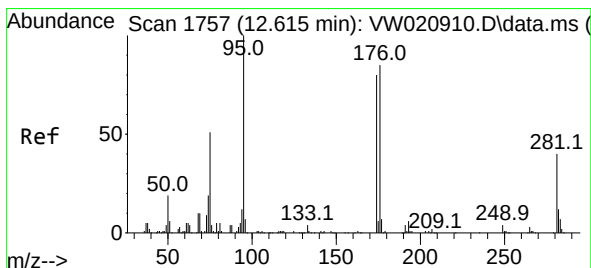
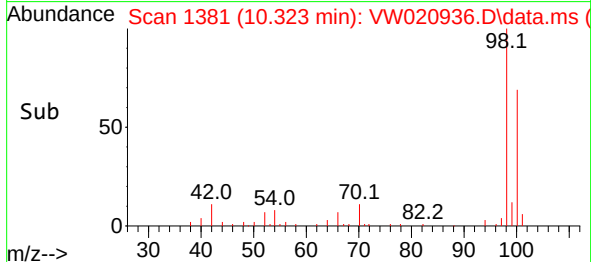
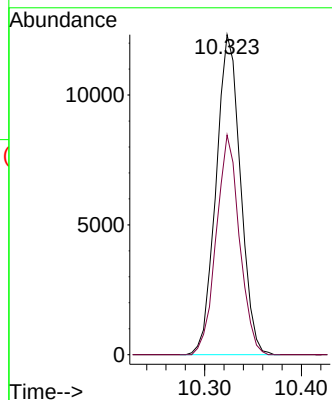
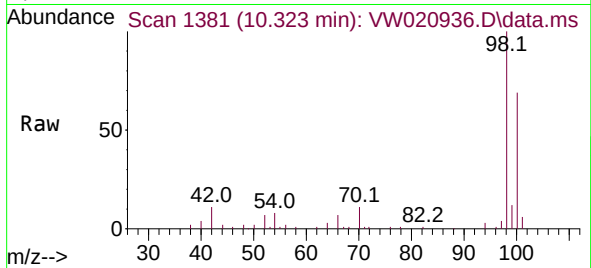




#50
Toluene-d8
Concen: 48.381 ug/l
RT: 10.323 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

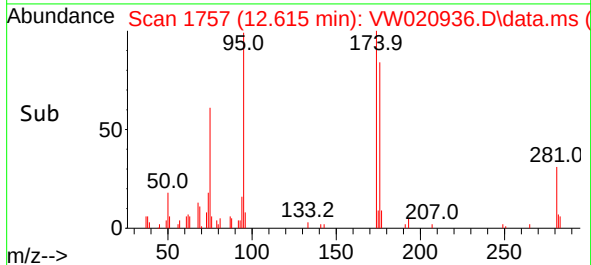
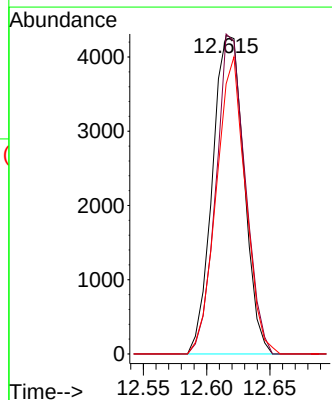
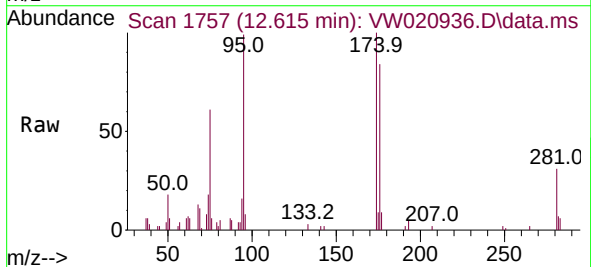
Instrument :
MSVOA_W
ClientSampleId :

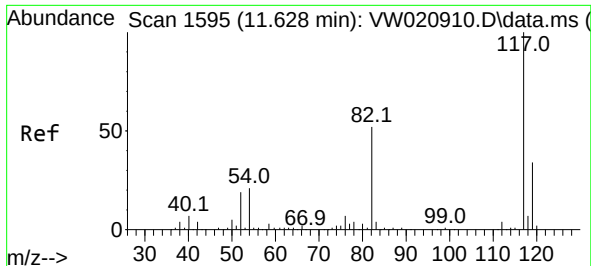
Tgt Ion: 98 Resp: 21547
Ion Ratio Lower Upper
98 100
100 65.4 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 44.710 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Tgt Ion: 95 Resp: 7426
Ion Ratio Lower Upper
95 100
174 93.0 0.0 171.2
176 86.4 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.634 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW020936.D

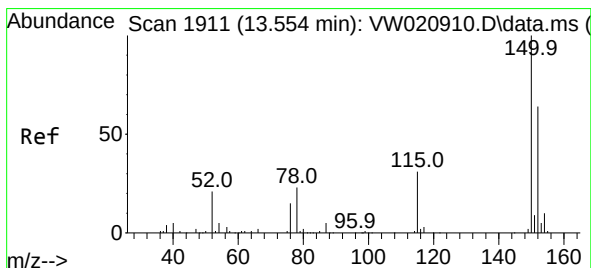
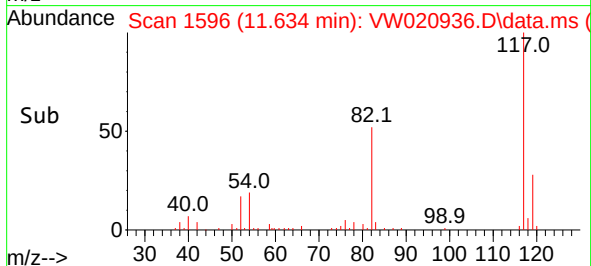
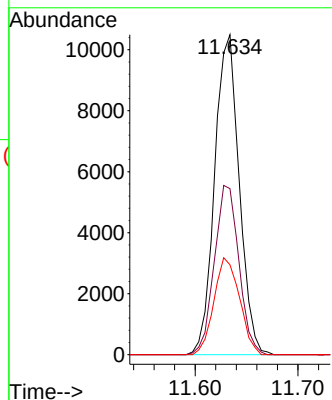
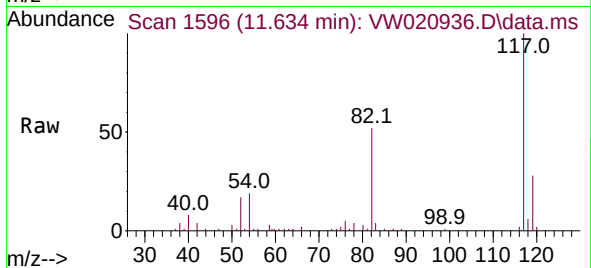
Acq: 22 Nov 2021 15:00

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:117	Resp:	17413
Ion Ratio	Lower	Upper
117	100	
82	51.9	41.4 62.2
119	28.1	27.2 40.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

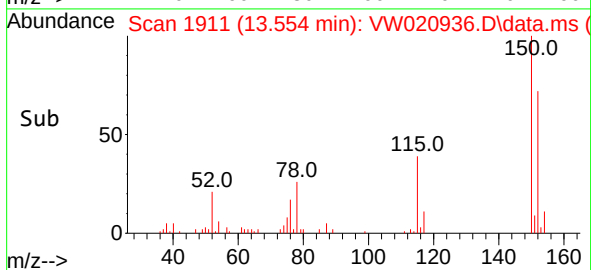
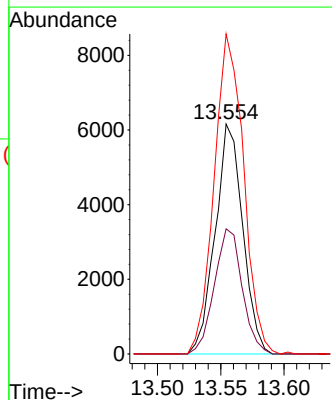
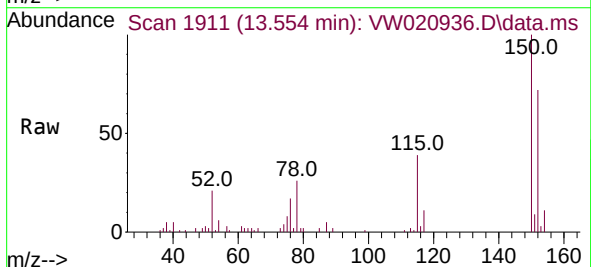
RT: 13.554 min Scan# 1911

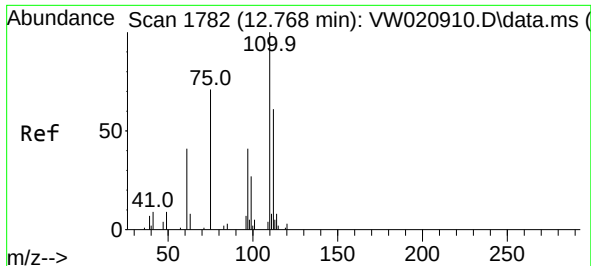
Delta R.T. 0.000 min

Lab File: VW020936.D

Acq: 22 Nov 2021 15:00

Tgt Ion:152	Resp:	9329
Ion Ratio	Lower	Upper
152	100	
115	54.9	27.8 83.3
150	149.0	0.0 348.4

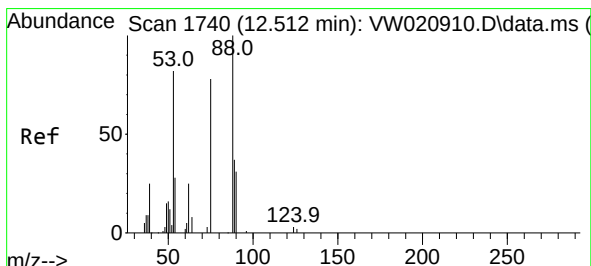
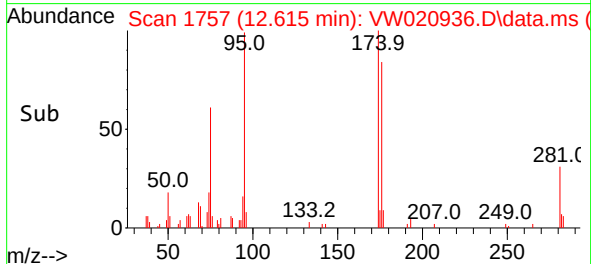
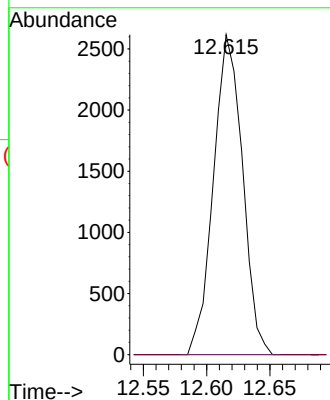
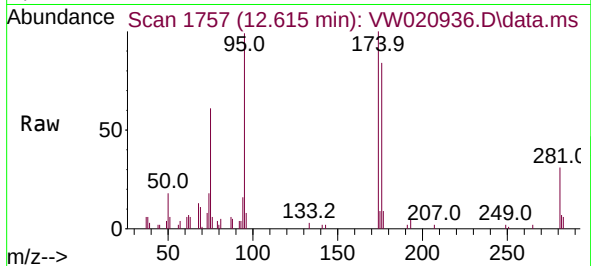




#76
1,2,3-Trichloropropane
Concen: 49.870 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.152 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 4180
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 117.309 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.104 min
Lab File: VW020936.D
Acq: 22 Nov 2021 15:00

Tgt Ion: 75 Resp: 4180
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 38.6 57.8#

