

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122320\
 Data File : VW017705.D
 Acq On : 23 Dec 2020 12:16
 Operator : SY/VA
 Sample : VW1223SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBL01

Quant Time: Dec 24 01:34:14 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 14 12:39:23 2020
 Response via : Initial Calibration

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

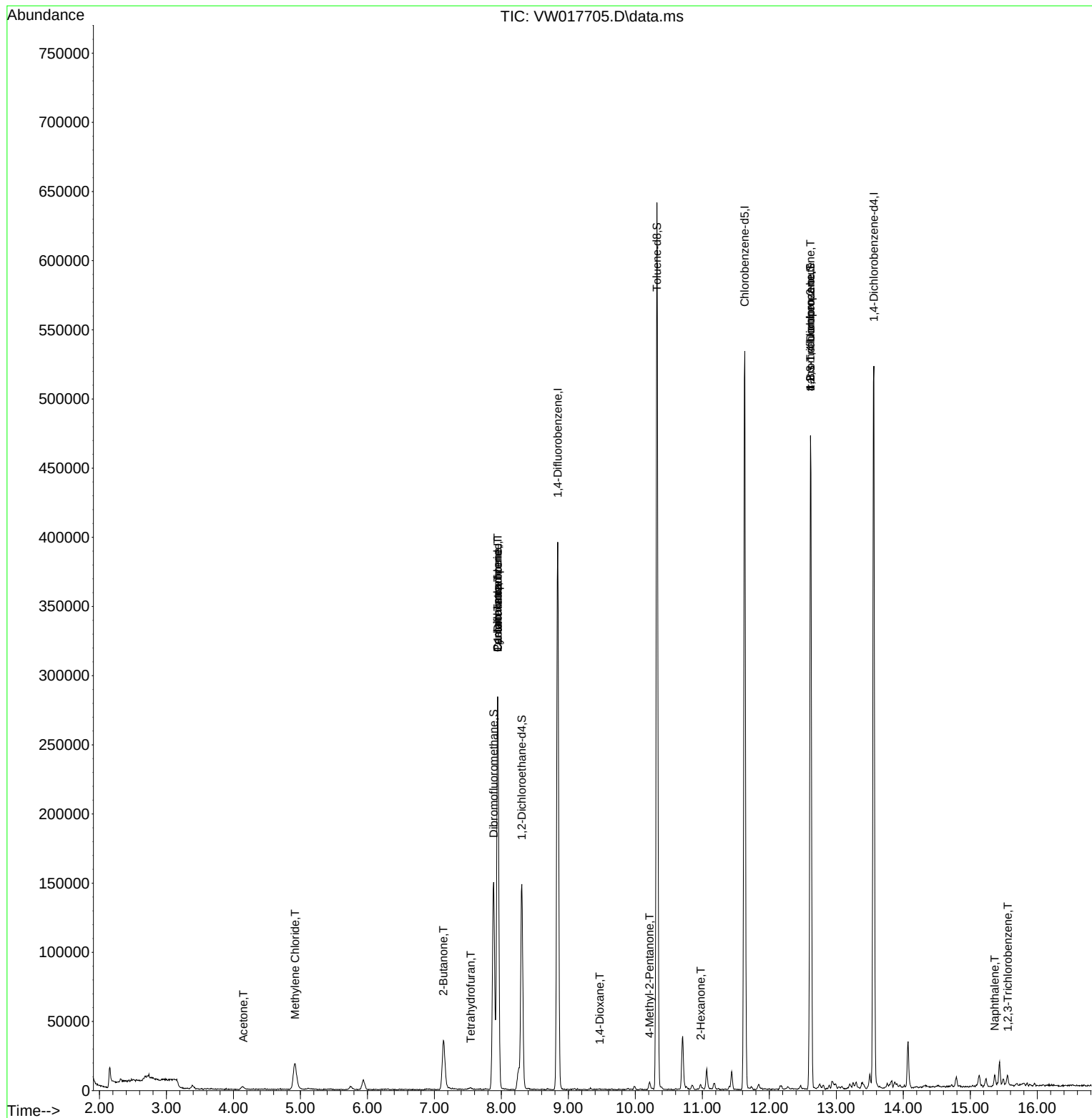
Internal Standards						
1) Pentafluorobenzene	7.945	168	200952	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.841	114	334182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	288522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	127214	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	118251	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
35) Dibromofluoromethane	7.884	113	104967	47.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.92%	
50) Toluene-d8	10.323	98	404812	47.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	12.615	95	132630	43.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.28%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.177	59	180	Below Cal	#	82
16) Acetone	4.147	43	4234	7.95	ug/l	89
20) Methylene Chloride	4.921	84	15214	1.20	ug/l	# 86
25) 2-Butanone	7.134	43	2251	3.17	ug/l	# 65
26) 2,2-Dichloropropane	7.134	77	2737	Below Cal	#	50
29) Tetrahydrofuran	7.543	42	1175	2.95	ug/l	# 43
31) Cyclohexane	7.945	56	5223	1.24	ug/l	# 11
36) 1,1-Dichloropropene	7.945	75	17457	4.99	ug/l	# 48
38) Carbon Tetrachloride	7.945	117	21985	6.25	ug/l	# 12
49) 1,4-Dioxane	9.469	88	234	14.78	ug/l	# 72
51) 4-Methyl-2-Pentanone	10.213	43	3890	2.85	ug/l	88
59) 2-Hexanone	10.975	43	3112	3.41	ug/l	82
76) 1,2,3-Trichloropropane	12.615	75	75606	61.74	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.615	75	75606	125.09	ug/l	# 11
95) Naphthalene	15.365	128	5714	1.14	ug/l	# 95
96) 1,2,3-Trichlorobenzene	15.560	180	2325	1.10	ug/l	90

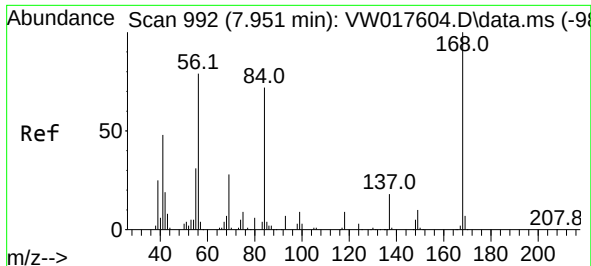
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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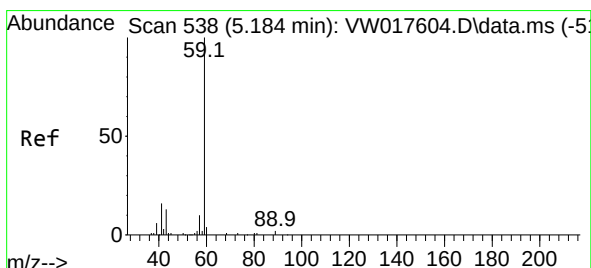
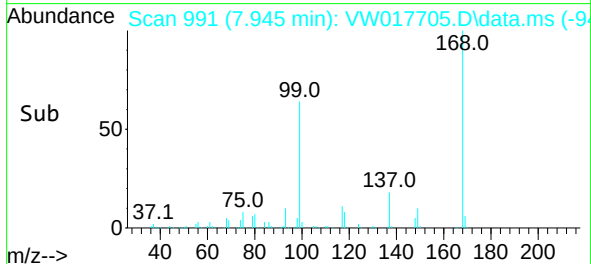
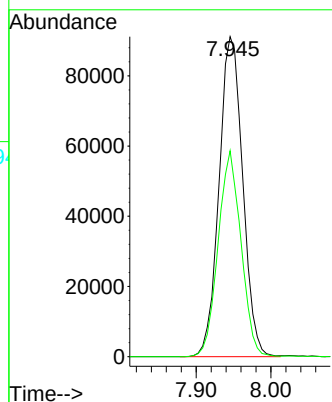
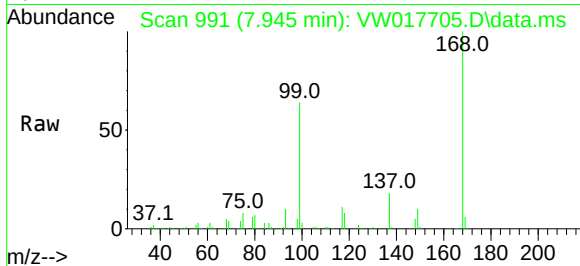




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

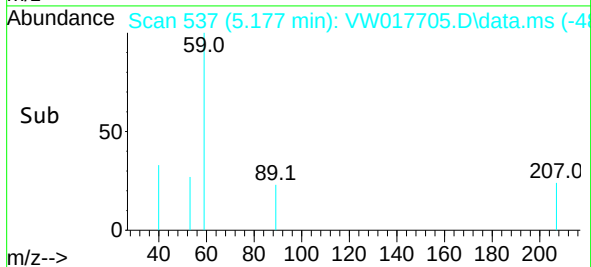
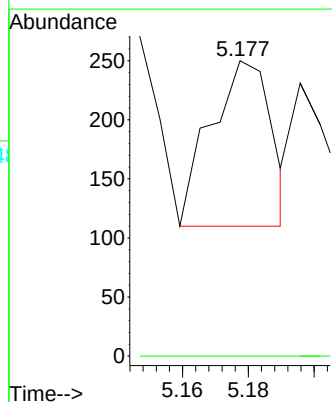
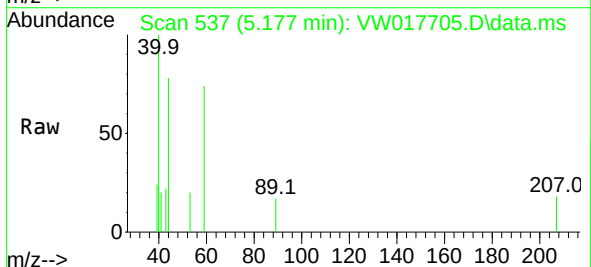
Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

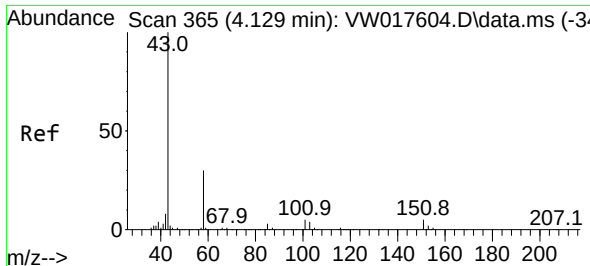
Tgt Ion:168 Resp: 200952
Ion Ratio Lower Upper
168 100
99 64.4 40.7 61.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.177 min Scan# 537
Delta R.T. -0.007 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

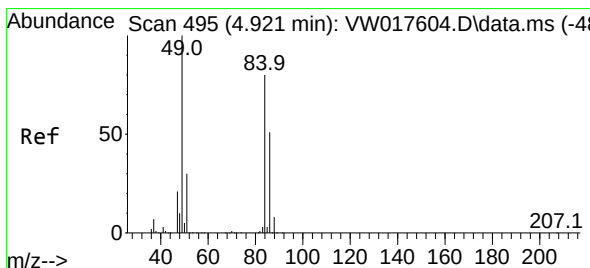
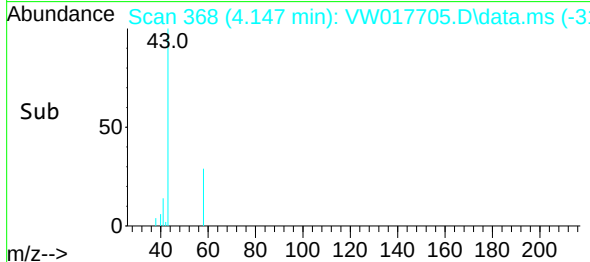
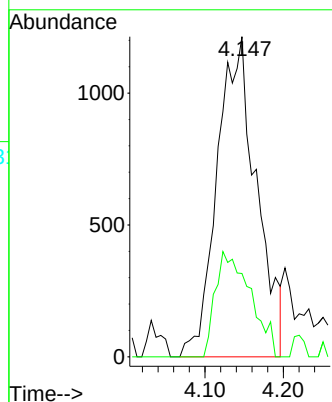
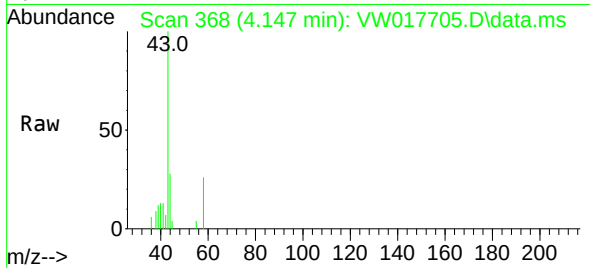




#16
Acetone
Concen: 7.95 ug/l
RT: 4.147 min Scan# 368
Delta R.T. 0.018 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

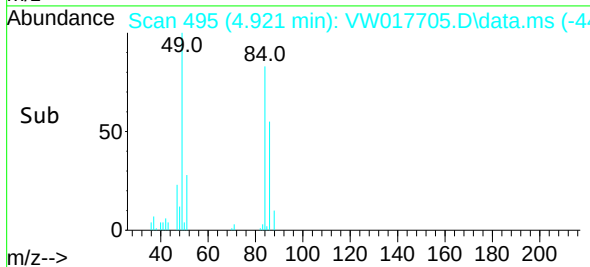
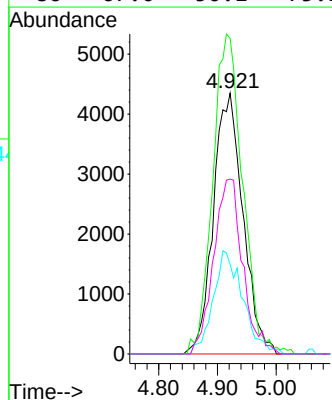
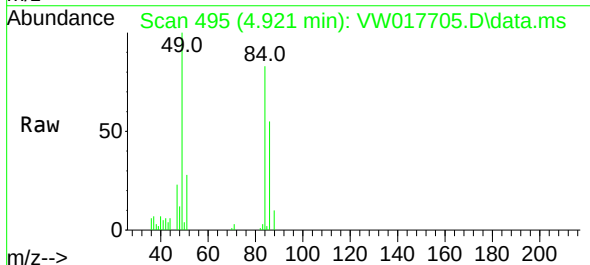
Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

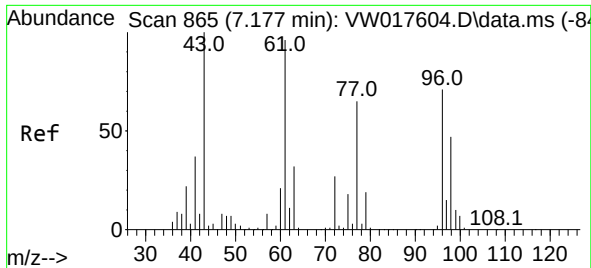
Tgt Ion: 43 Resp: 4234
Ion Ratio Lower Upper
43 100
58 26.0 25.7 38.5



#20
Methylene Chloride
Concen: 1.20 ug/l
RT: 4.921 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Tgt Ion: 84 Resp: 15214
Ion Ratio Lower Upper
84 100
49 121.1 79.0 118.6#
51 34.3 26.1 39.1
86 67.0 50.1 75.1

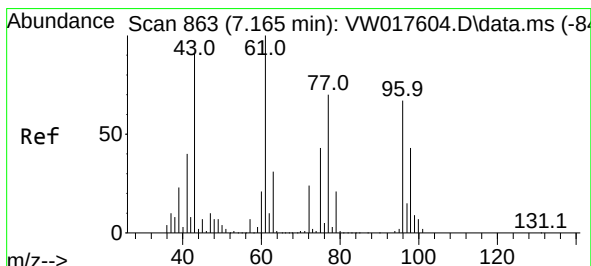
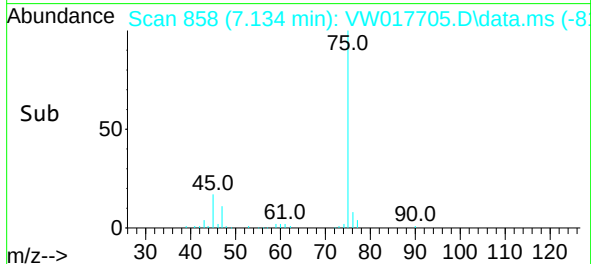
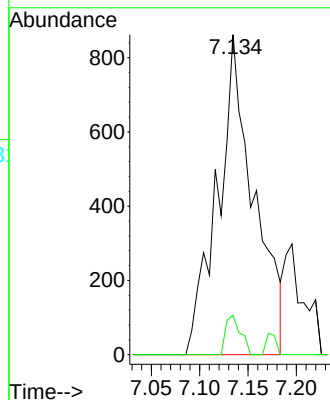
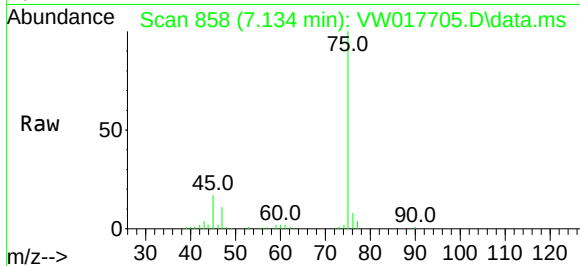




#25
2-Butanone
Concen: 3.17 ug/l
RT: 7.134 min Scan# 858
Delta R.T. -0.043 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

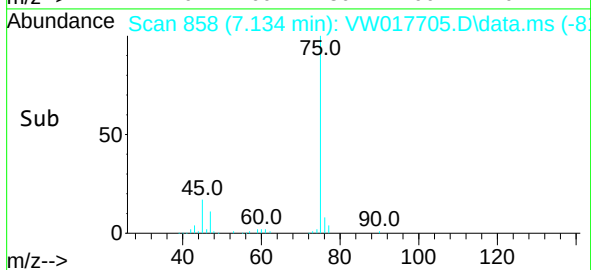
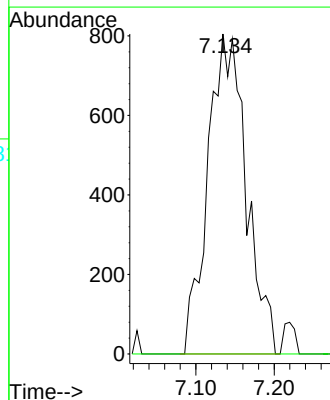
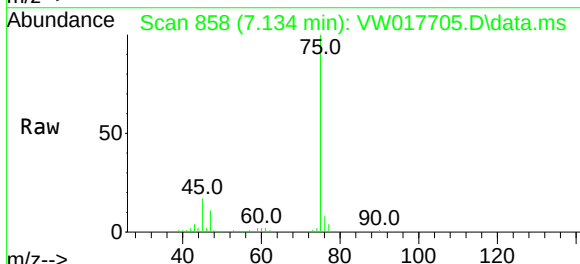
Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

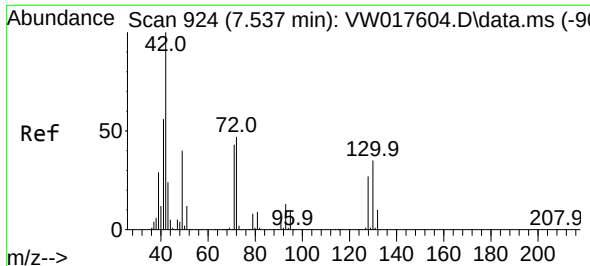
Tgt Ion: 43 Resp: 2251
Ion Ratio Lower Upper
43 100
72 12.3 25.4 38.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.134 min Scan# 858
Delta R.T. -0.031 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Tgt Ion: 77 Resp: 2737
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 2.95 ug/l

RT: 7.543 min Scan# 925

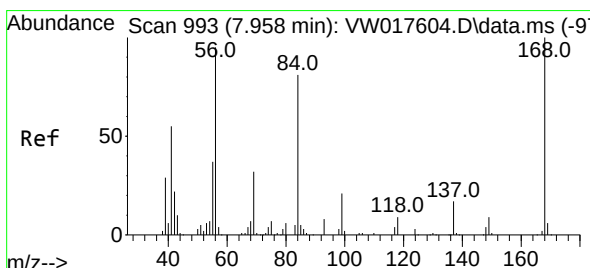
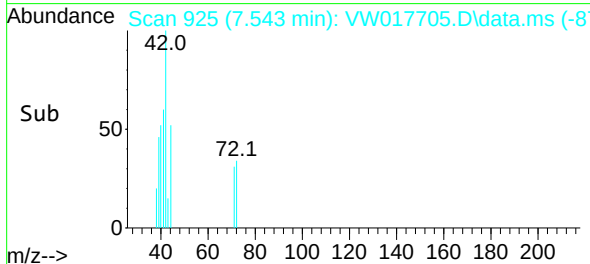
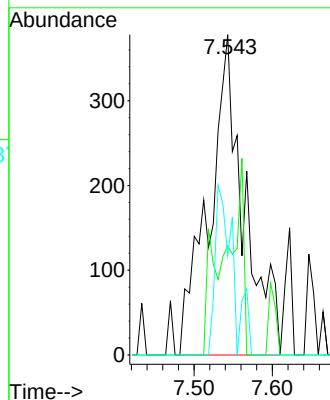
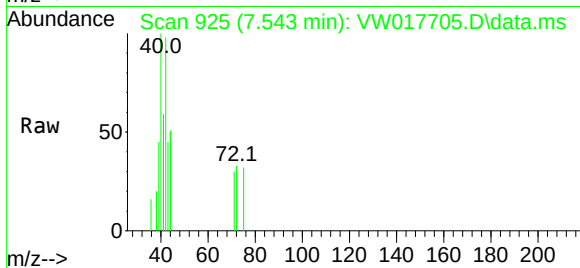
Delta R.T. 0.006 min

Lab File: VW017705.D

Acq: 23 Dec 2020 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

Tgt Ion:	42	Resp:	1175
Ion	Ratio	Lower	Upper
42	100		
72	22.5	42.0	63.0#
71	0.0	39.0	58.6#



#31

Cyclohexane

Concen: 1.24 ug/l

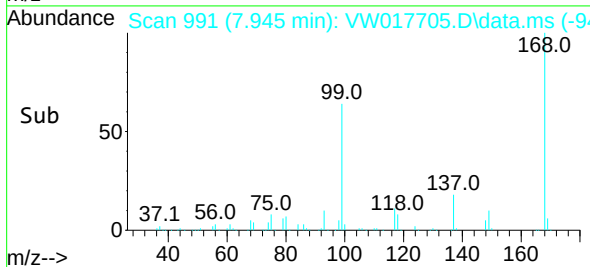
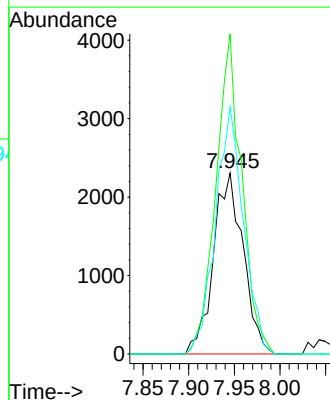
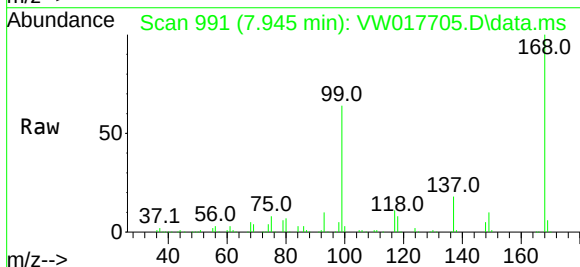
RT: 7.945 min Scan# 991

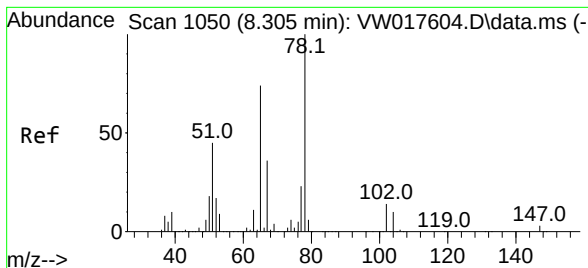
Delta R.T. -0.013 min

Lab File: VW017705.D

Acq: 23 Dec 2020 12:16

Tgt Ion:	56	Resp:	5223
Ion	Ratio	Lower	Upper
56	100		
69	176.9	29.3	43.9#
84	136.4	80.5	120.7#

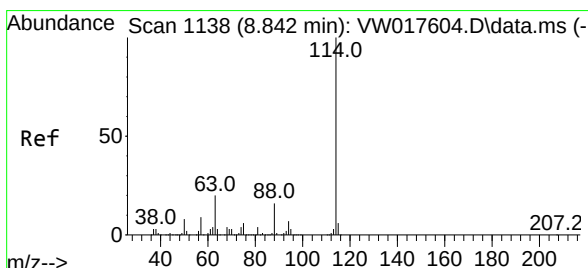
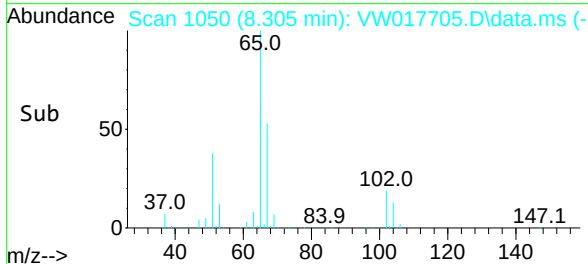
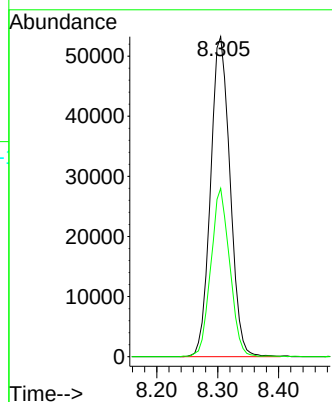
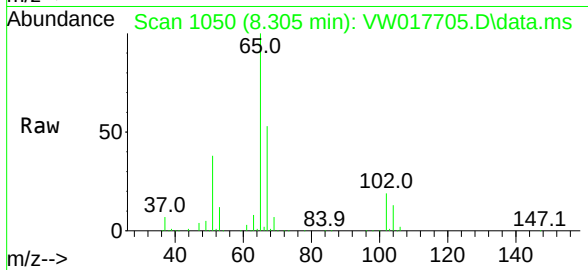




#33
 1,2-Dichloroethane-d4
 Concen: 48.31 ug/l
 RT: 8.305 min Scan# 1050
 Delta R.T. -0.000 min
 Lab File: VW017705.D
 Acq: 23 Dec 2020 12:16

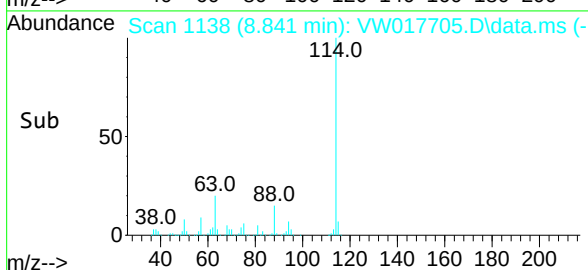
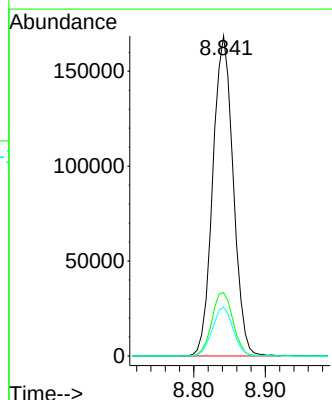
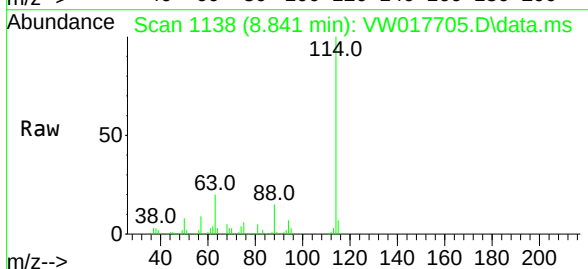
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBL01

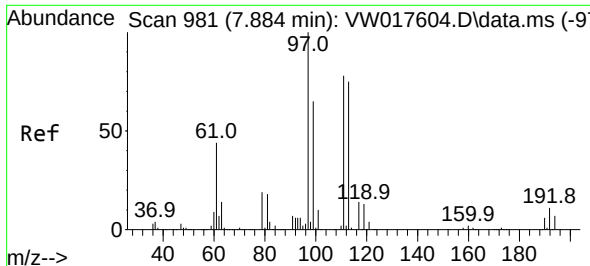
Tgt Ion: 65 Resp: 118251
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.841 min Scan# 1138
 Delta R.T. -0.001 min
 Lab File: VW017705.D
 Acq: 23 Dec 2020 12:16

Tgt Ion: 114 Resp: 334182
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 35.6
 88 15.3 0.0 30.4

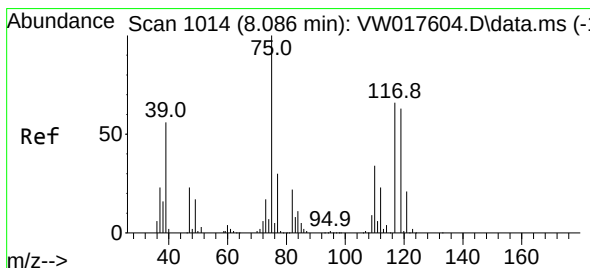
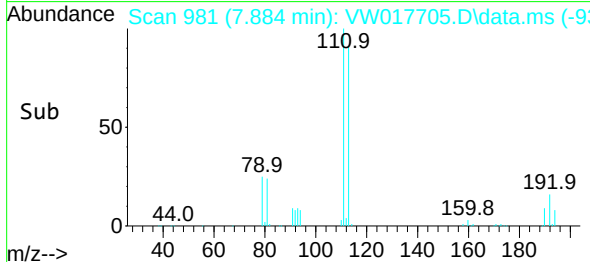
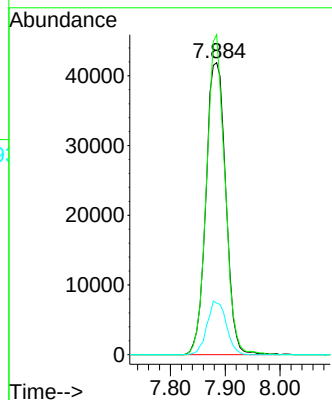
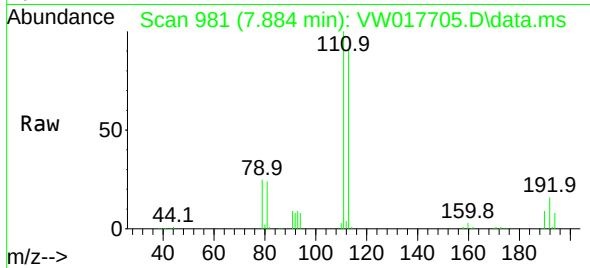




#35
Dibromofluoromethane
Concen: 47.46 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

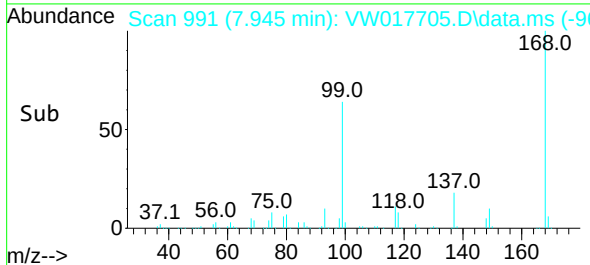
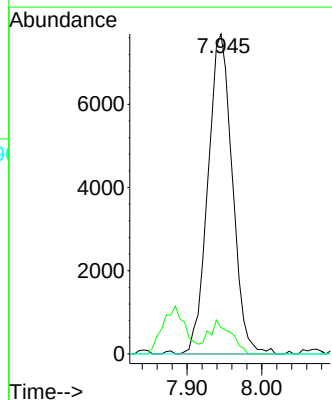
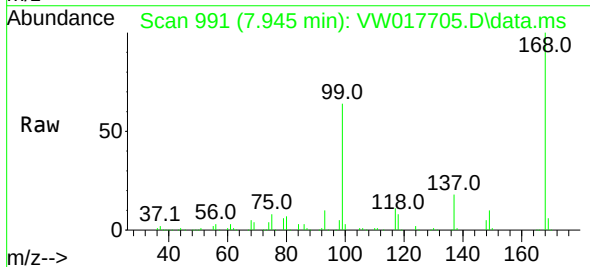
Instrument :
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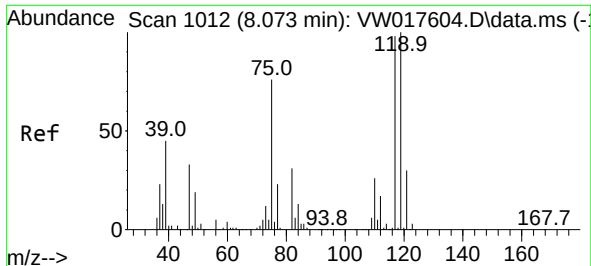
Tgt Ion:113 Resp: 104967
Ion Ratio Lower Upper
113 100
111 101.4 81.4 122.2
192 17.8 17.8 26.8#



#36
1,1-Dichloropropene
Concen: 4.99 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.141 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

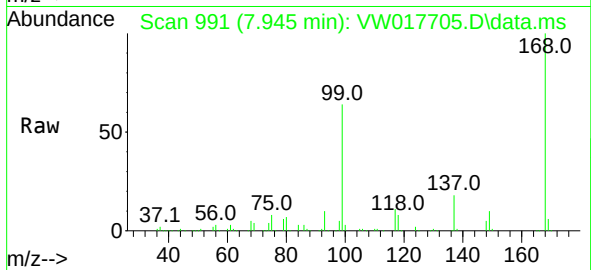
Tgt Ion: 75 Resp: 17457
Ion Ratio Lower Upper
75 100
110 9.6 19.3 57.9#
77 0.0 25.0 37.6#



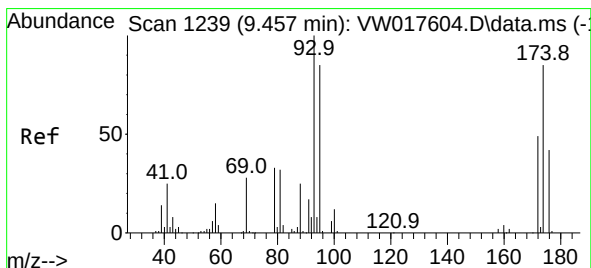
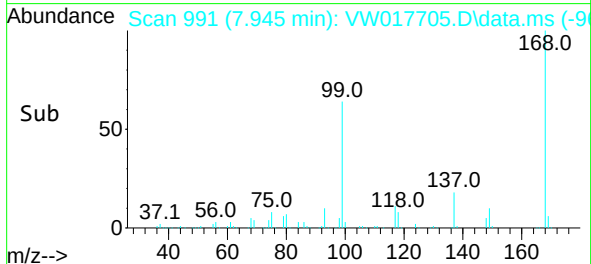
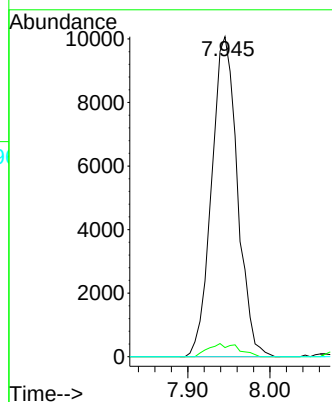


#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.128 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

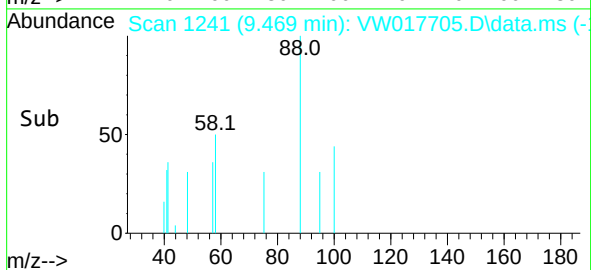
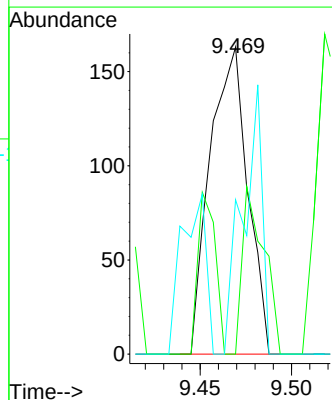
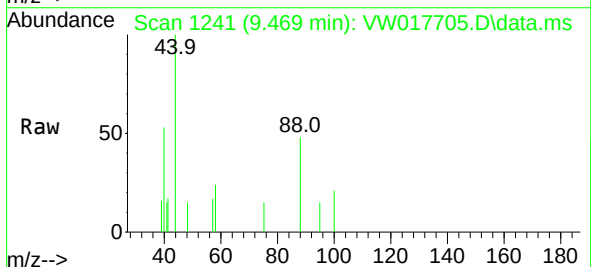


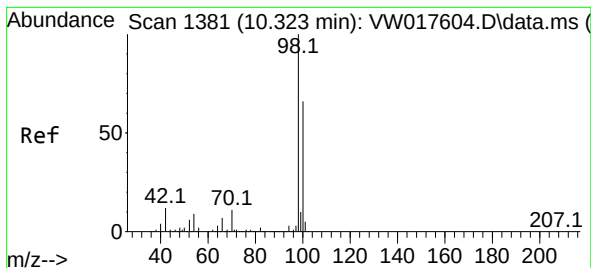
Tgt Ion: 117 Resp: 21985
Ion Ratio Lower Upper
117 100
119 2.9 81.6 122.4#
121 0.0 25.7 38.5#



#49
1,4-Dioxane
Concen: 14.78 ug/l
RT: 9.469 min Scan# 1241
Delta R.T. 0.012 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Tgt Ion: 88 Resp: 234
Ion Ratio Lower Upper
88 100
43 31.6 0.0 0.0#
58 44.9 54.0 81.0#

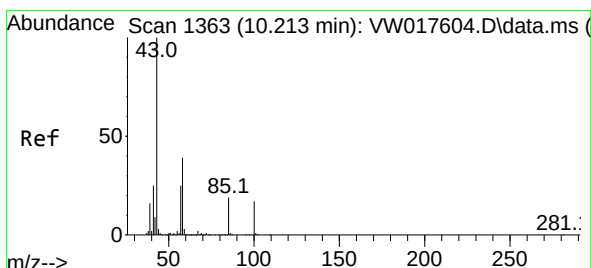
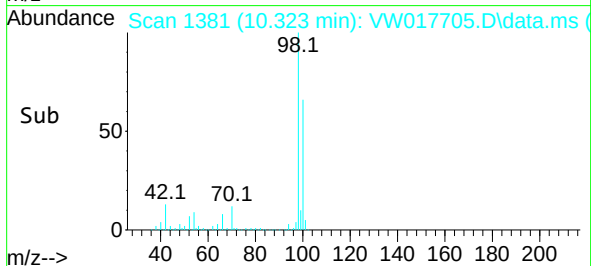
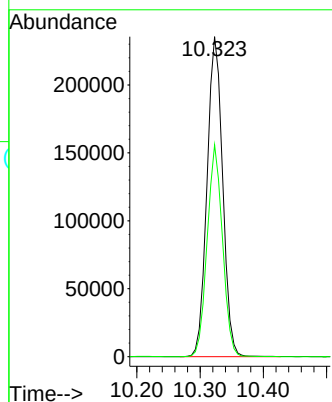
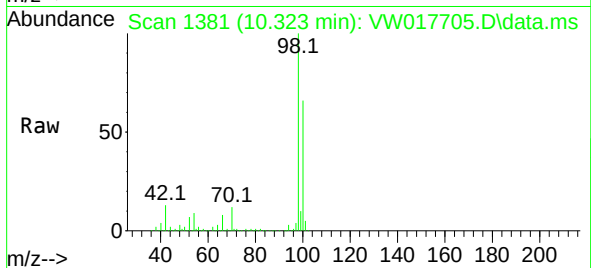




#50
Toluene-d8
Concen: 47.02 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

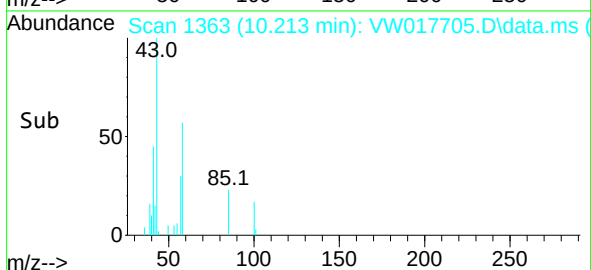
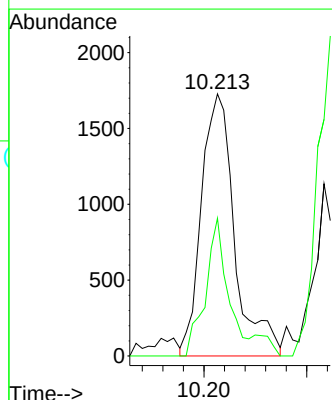
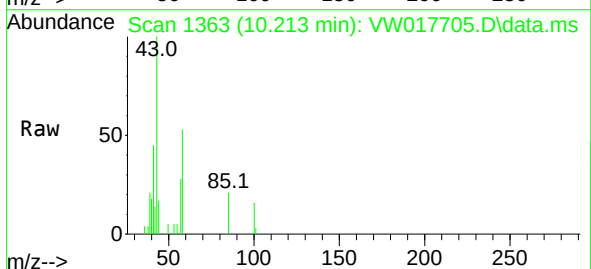
Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

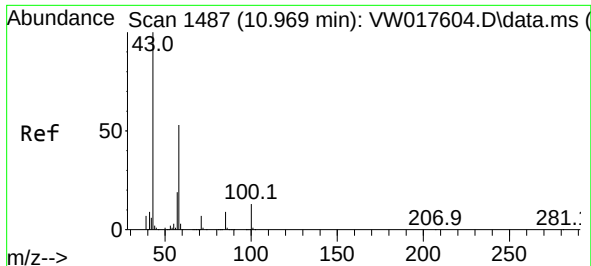
Tgt Ion: 98 Resp: 404812
Ion Ratio Lower Upper
98 100
100 65.0 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 2.85 ug/l
RT: 10.213 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Tgt Ion: 43 Resp: 3890
Ion Ratio Lower Upper
43 100
58 35.4 34.7 52.1

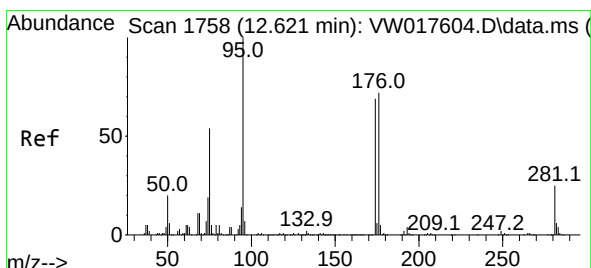
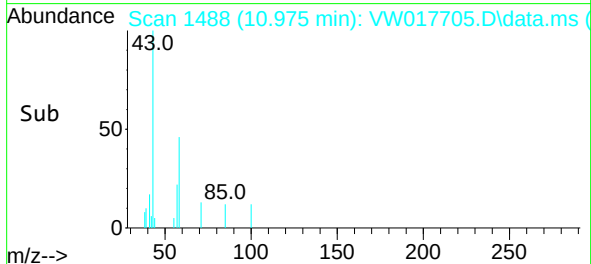
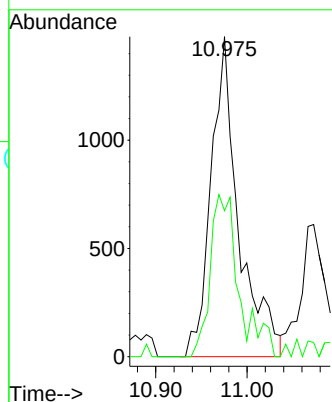
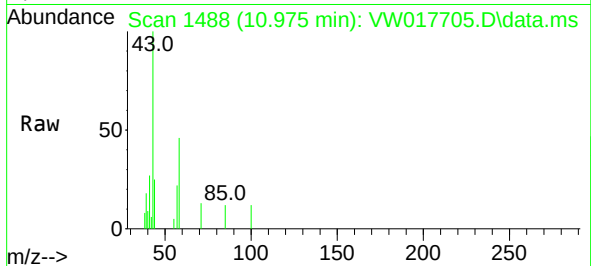




#59
2-Hexanone
Concen: 3.41 ug/l
RT: 10.975 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

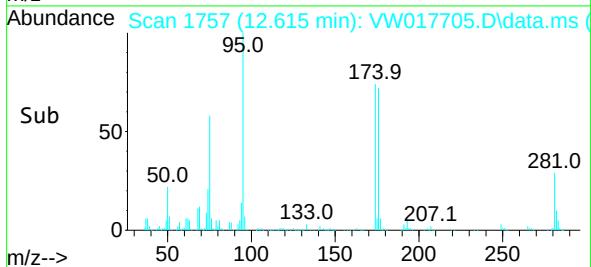
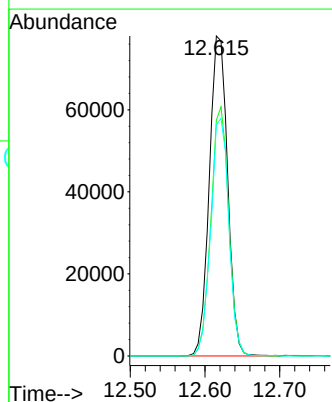
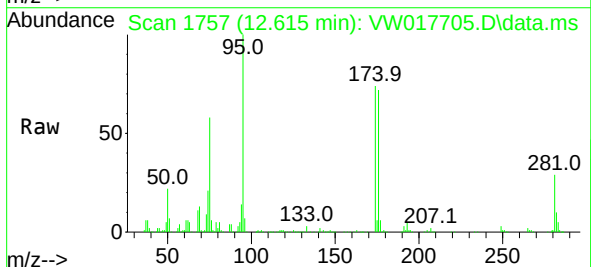
Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

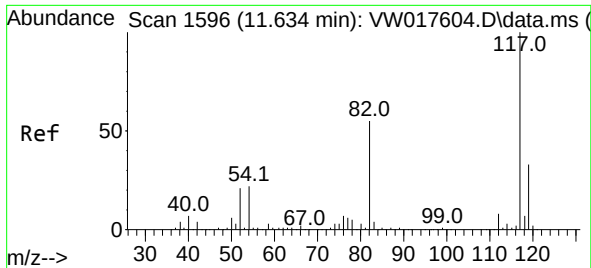
Tgt Ion: 43 Resp: 3112
Ion Ratio Lower Upper
43 100
58 45.4 29.5 88.5



#62
4-Bromofluorobenzene
Concen: 43.14 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.006 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Tgt Ion: 95 Resp: 132630
Ion Ratio Lower Upper
95 100
174 75.9 0.0 180.6
176 73.4 0.0 177.6

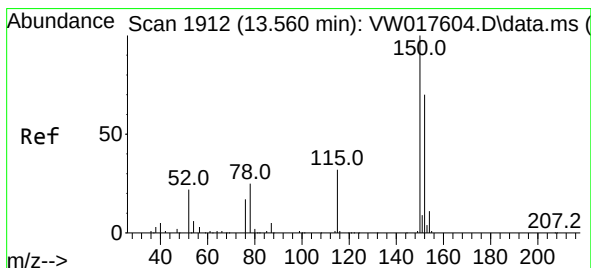
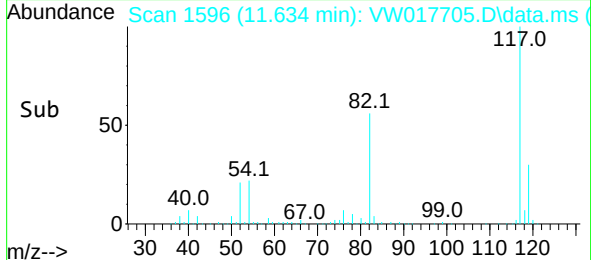
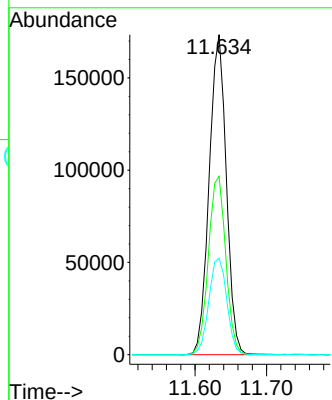
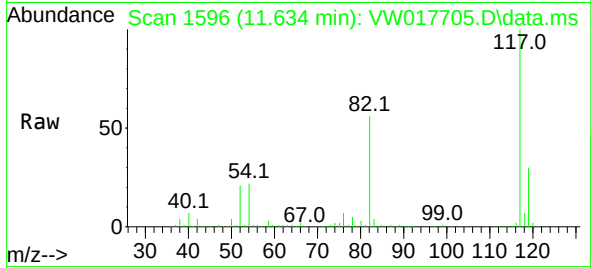




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

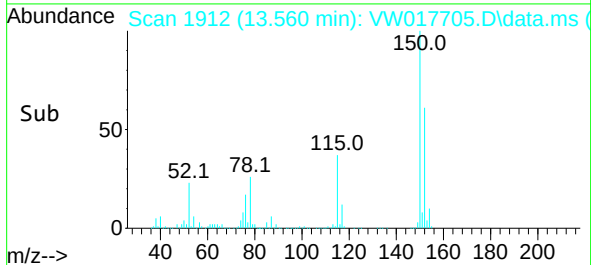
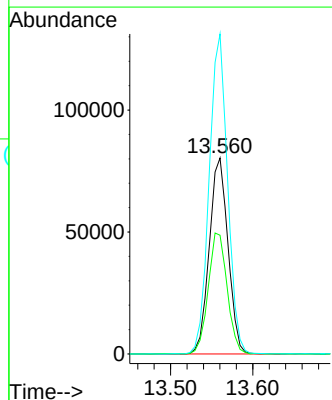
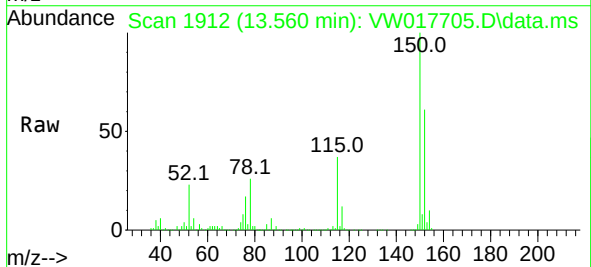
Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

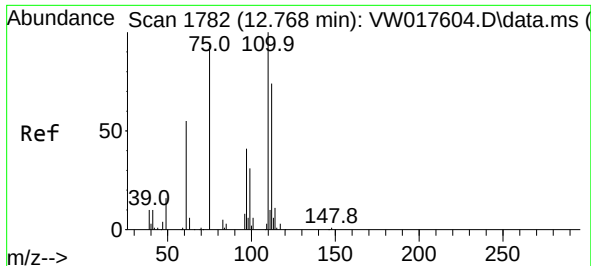
Tgt Ion:117 Resp: 288522
Ion Ratio Lower Upper
117 100
82 55.7 40.7 61.1
119 30.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Tgt Ion:152 Resp: 127214
Ion Ratio Lower Upper
152 100
115 62.3 27.9 83.7
150 159.9 0.0 344.0

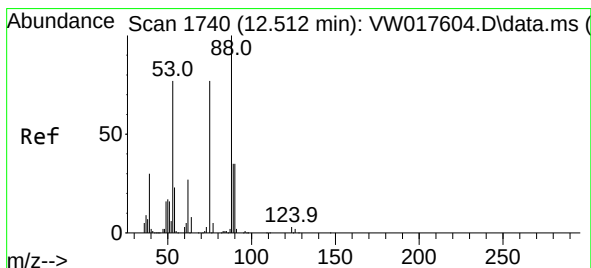
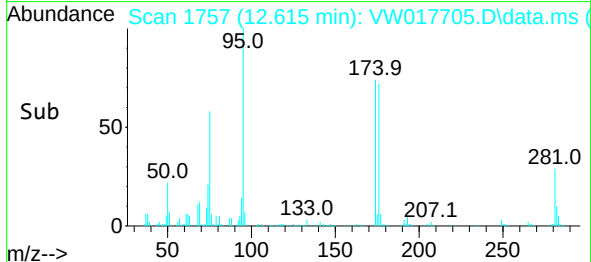
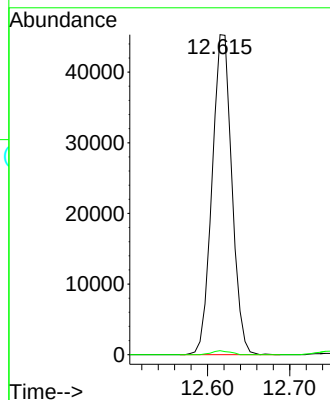
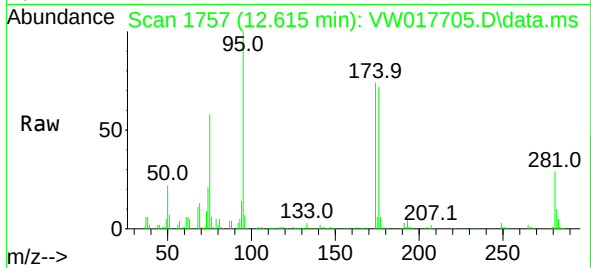




#76
1,2,3-Trichloropropane
Concen: 61.74 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

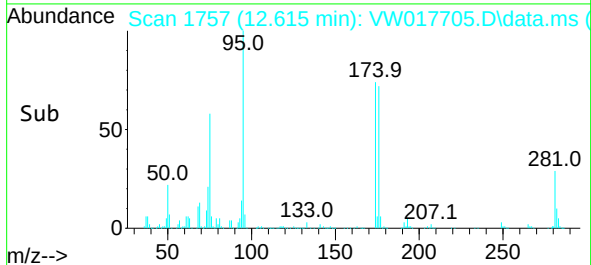
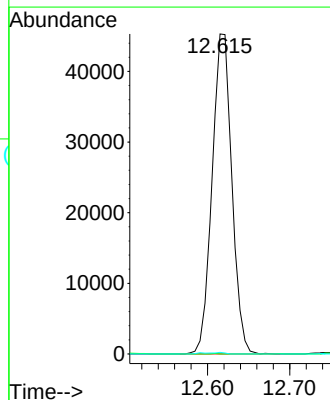
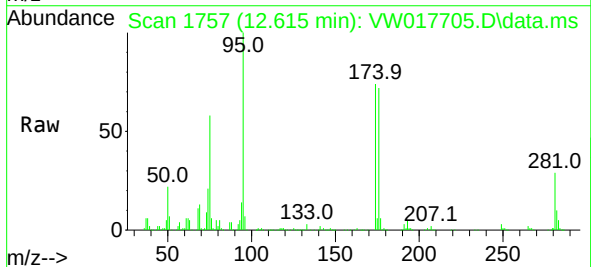
Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

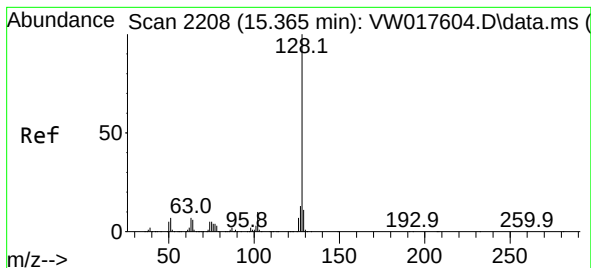
Tgt Ion: 75 Resp: 75606
Ion Ratio Lower Upper
75 100
77 1.1 178.8 536.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.09 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Tgt Ion: 75 Resp: 75606
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.4#
89 0.2 38.7 58.1#

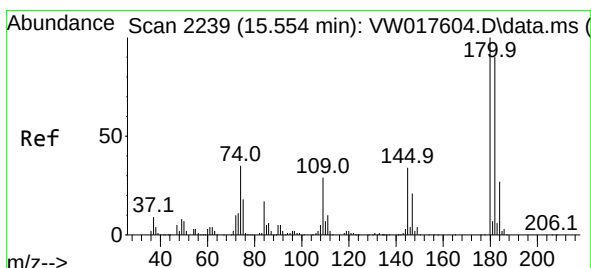
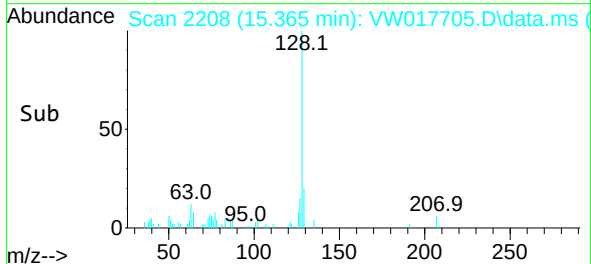
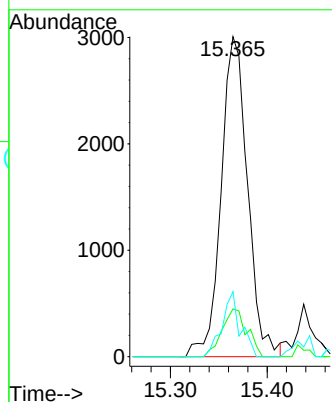
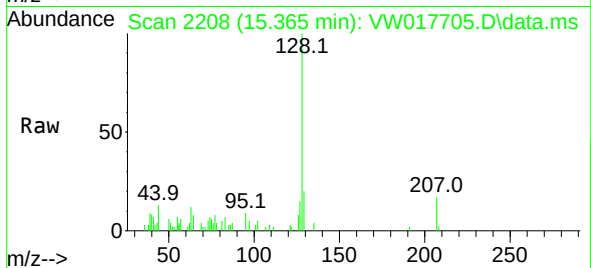




#95
Naphthalene
Concen: 1.14 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBL01

Tgt Ion:128 Resp: 5714
Ion Ratio Lower Upper
128 100
127 14.0 10.4 15.6
129 13.9 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 1.10 ug/l
RT: 15.560 min Scan# 2240
Delta R.T. 0.006 min
Lab File: VW017705.D
Acq: 23 Dec 2020 12:16

Tgt Ion:180 Resp: 2325
Ion Ratio Lower Upper
180 100
182 89.3 49.4 148.2
145 38.0 16.3 48.9

