

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
 Data File : VW017626.D
 Acq On : 15 Dec 2020 11:53
 Operator : SY/VA
 Sample : VW1215SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 16 02:35:40 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)

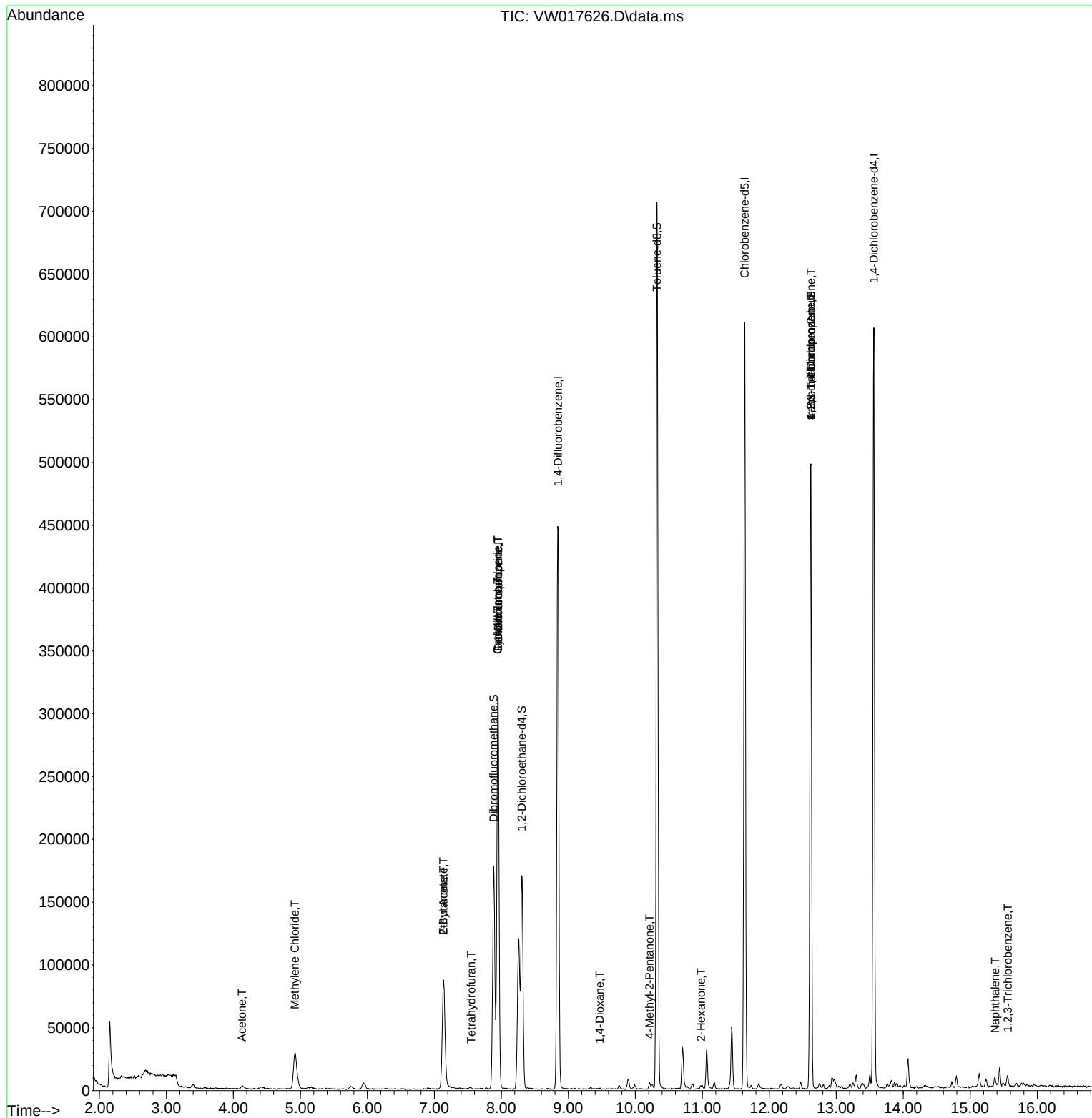
Internal Standards						
1) Pentafluorobenzene	7.952	168	228119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	384895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	321541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	144022	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	134045	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
35) Dibromofluoromethane	7.885	113	123296	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
50) Toluene-d8	10.323	98	459635	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.621	95	155130	43.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.62%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.165	59	185	Below Cal	#	1
16) Acetone	4.129	43	4565	7.55	ug/l #	81
20) Methylene Chloride	4.916	84	23004	3.71	ug/l #	87
25) 2-Butanone	7.135	43	5331	6.62	ug/l #	65
26) 2,2-Dichloropropane	7.141	77	6248	Below Cal	#	50
29) Tetrahydrofuran	7.549	42	1133	2.50	ug/l #	38
31) Cyclohexane	7.946	56	6292	1.31	ug/l #	47
36) 1,1-Dichloropropene	7.952	75	19931	4.95	ug/l #	49
37) Ethyl Acetate	7.135	43	5331	3.17	ug/l #	7
38) Carbon Tetrachloride	7.946	117	23678	5.85	ug/l #	12
49) 1,4-Dioxane	9.470	88	76	4.17	ug/l #	47
51) 4-Methyl-2-Pentanone	10.213	43	3989	2.54	ug/l	89
59) 2-Hexanone	10.982	43	2038	1.94	ug/l	93
76) 1,2,3-Trichloropropane	12.621	75	85023	61.33	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.621	75	85023	124.25	ug/l #	11
95) Naphthalene	15.371	128	5879	1.04	ug/l	97
96) 1,2,3-Trichlorobenzene	15.560	180	2466	1.03	ug/l	93

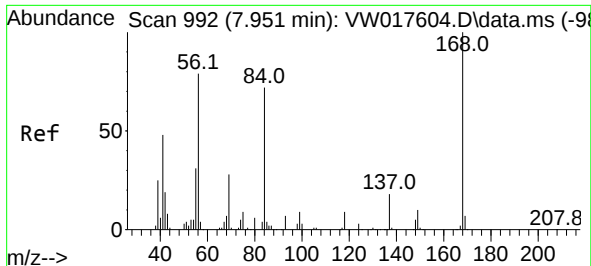
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Dec 16 02:35:40 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

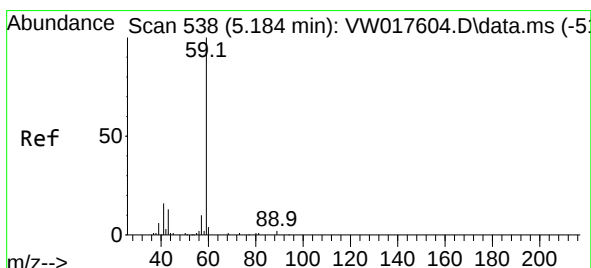
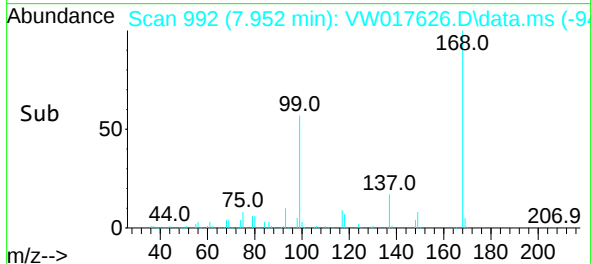
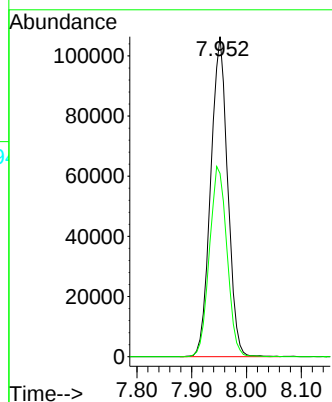
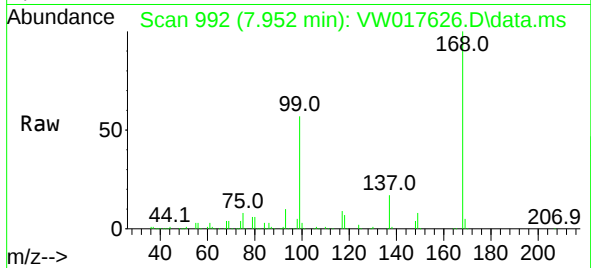




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

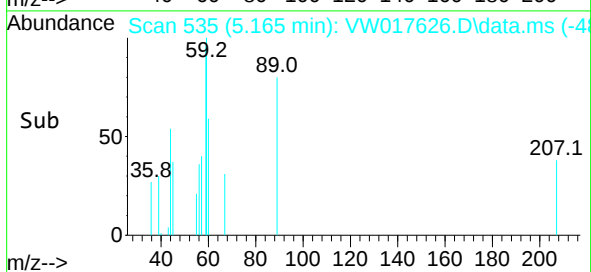
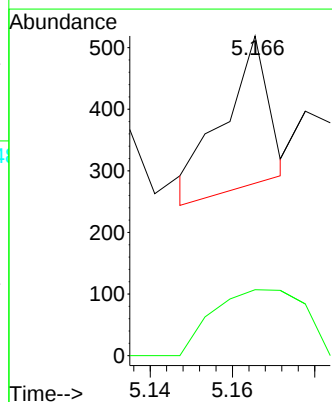
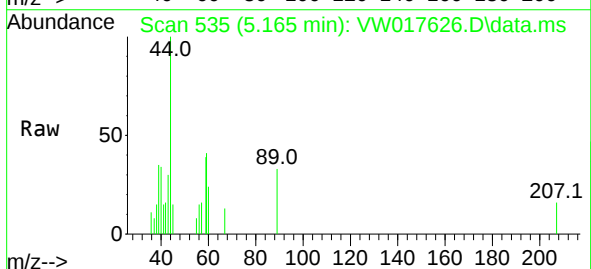
Instrument :
MSVOA_W
ClientSampleId :

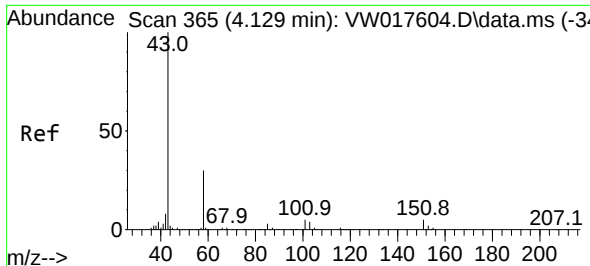
Tgt Ion:168 Resp: 228119
Ion Ratio Lower Upper
168 100
99 57.2 40.7 61.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.165 min Scan# 535
Delta R.T. -0.019 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 89.2 4.7 7.1#

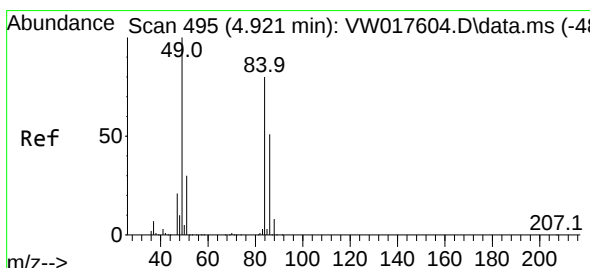
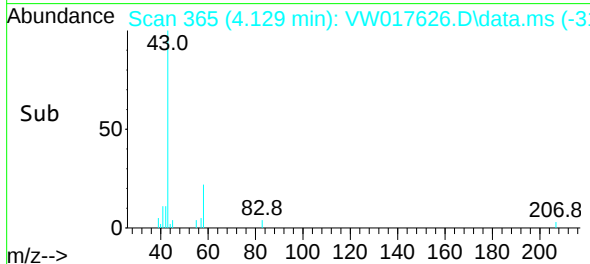
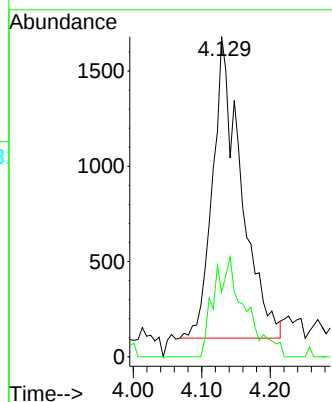
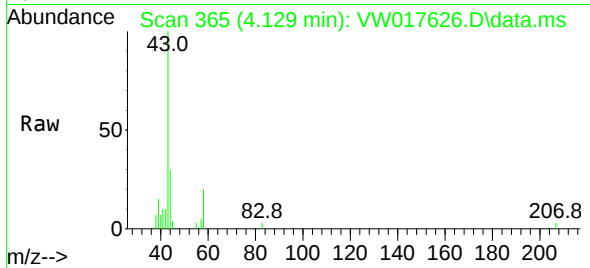




#16
Acetone
Concen: 7.55 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.000 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

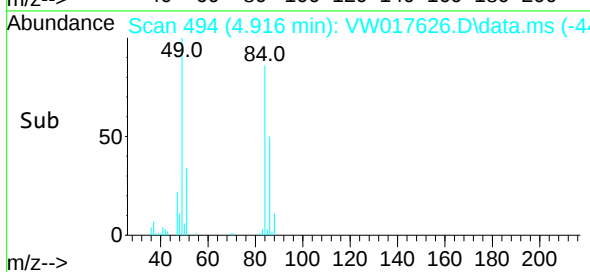
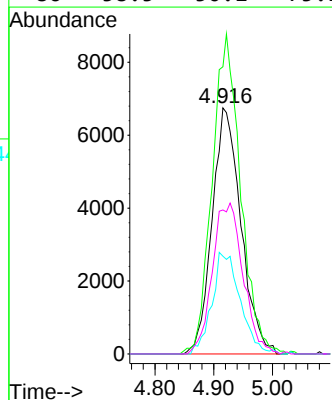
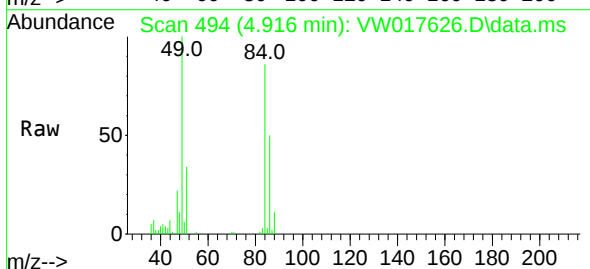
Instrument :
MSVOA_W
ClientSampleId :

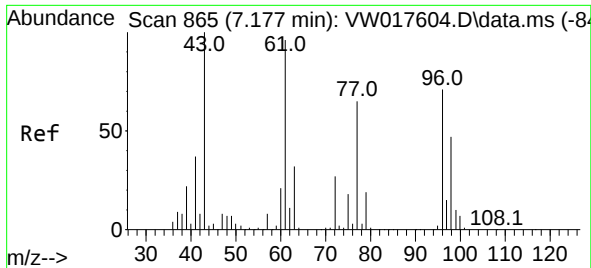
Tgt Ion: 43 Resp: 4565
Ion Ratio Lower Upper
43 100
58 21.5 25.7 38.5#



#20
Methylene Chloride
Concen: 3.71 ug/l
RT: 4.916 min Scan# 494
Delta R.T. -0.005 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Tgt Ion: 84 Resp: 23004
Ion Ratio Lower Upper
84 100
49 116.7 79.0 118.6
51 39.7 26.1 39.1#
86 58.5 50.1 75.1

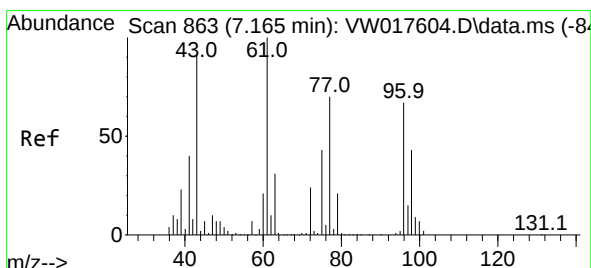
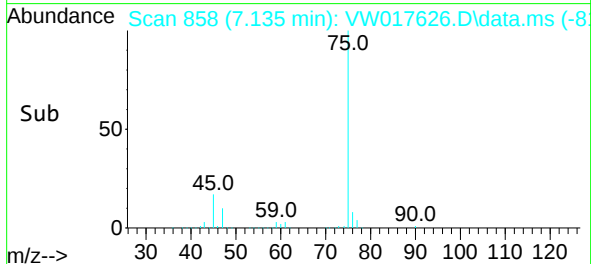
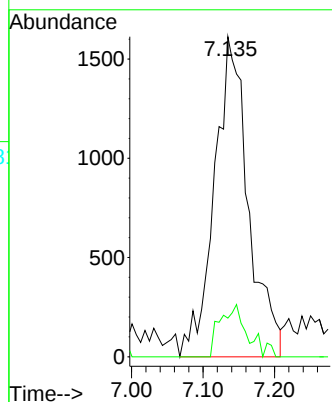
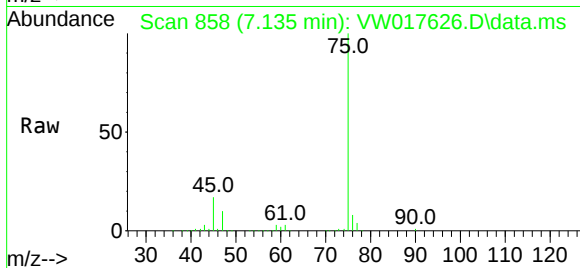




#25
2-Butanone
Concen: 6.62 ug/l
RT: 7.135 min Scan# 858
Delta R.T. -0.042 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

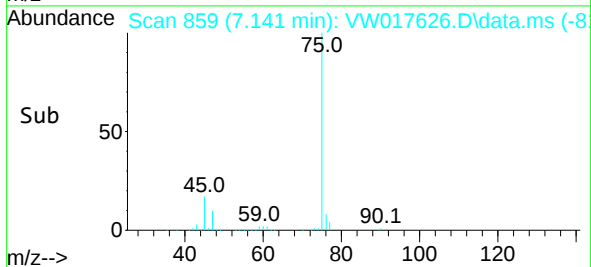
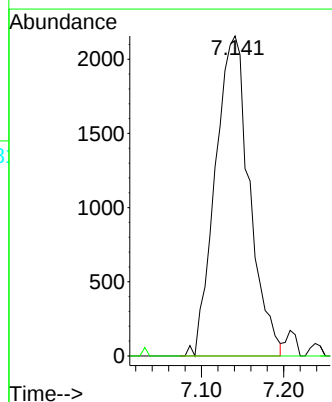
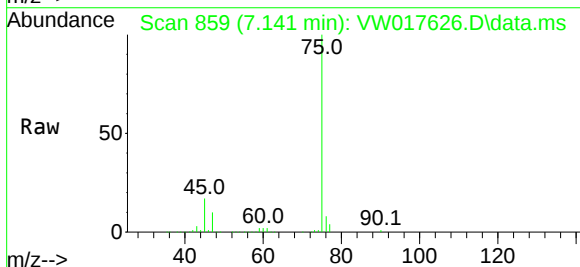
Instrument :
MSVOA_W
ClientSampled :

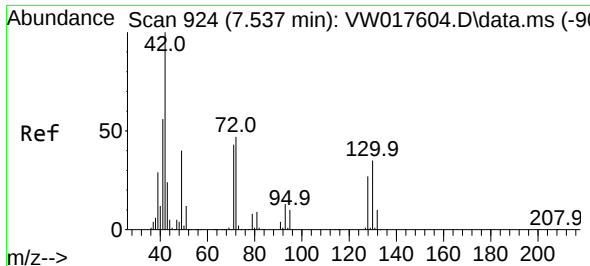
Tgt Ion: 43 Resp: 5331
Ion Ratio Lower Upper
43 100
72 12.1 25.4 38.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.141 min Scan# 859
Delta R.T. -0.024 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Tgt Ion: 77 Resp: 6248
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#29

Tetrahydrofuran

Concen: 2.50 ug/l

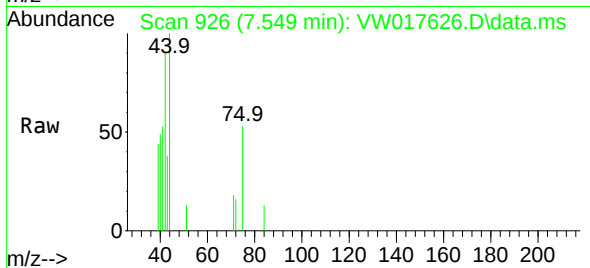
RT: 7.549 min Scan# 926

Delta R.T. 0.012 min

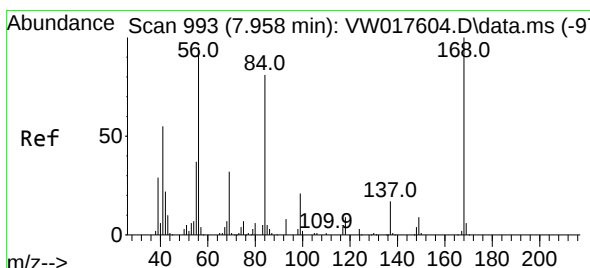
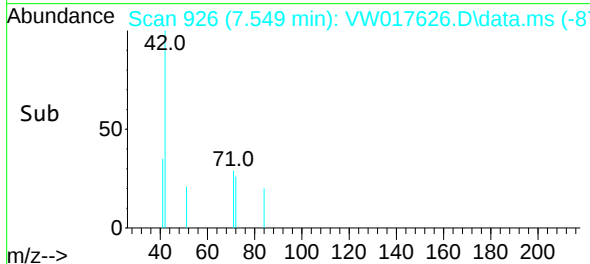
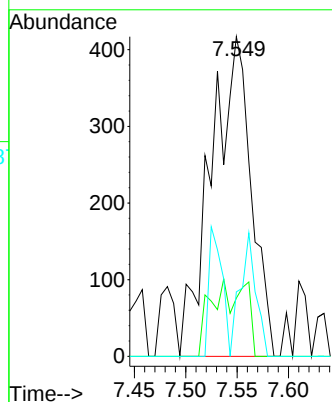
Lab File: VW017626.D

Acq: 15 Dec 2020 11:53

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	42	Resp:	1133
Ion Ratio	Lower	Upper	
42	100		
72	0.0	42.0	63.0#
71	15.2	39.0	58.6#



#31

Cyclohexane

Concen: 1.31 ug/l

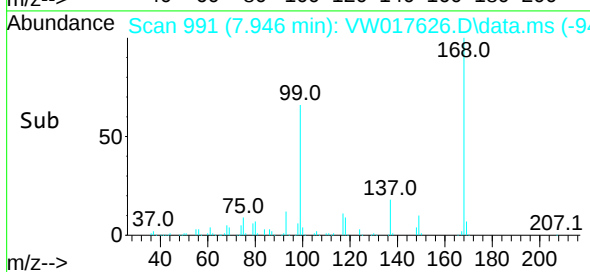
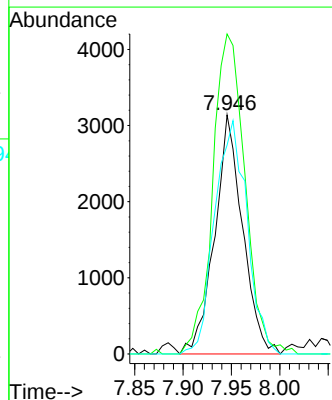
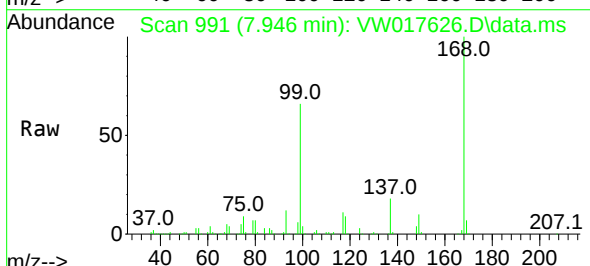
RT: 7.946 min Scan# 991

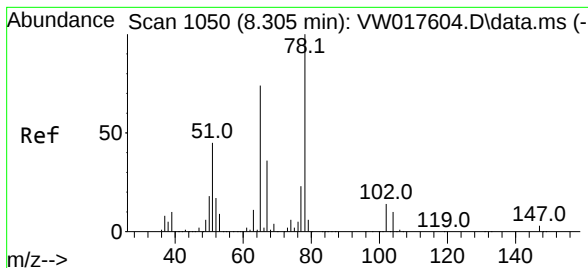
Delta R.T. -0.013 min

Lab File: VW017626.D

Acq: 15 Dec 2020 11:53

Tgt Ion:	56	Resp:	6292
Ion Ratio	Lower	Upper	
56	100		
69	133.9	29.3	43.9#
84	87.4	80.5	120.7

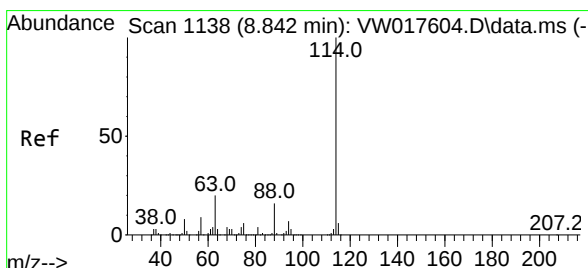
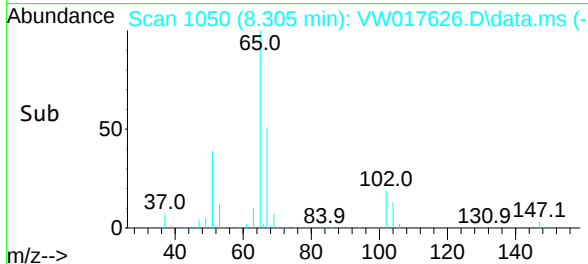
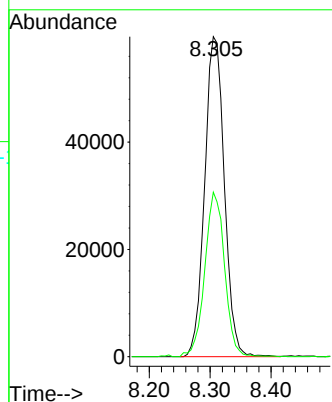
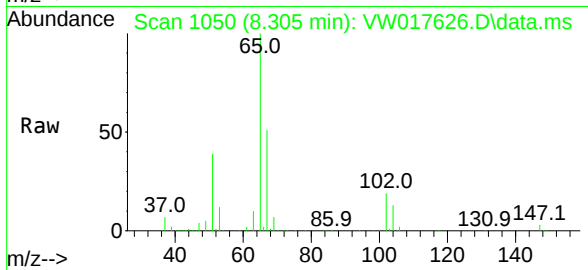




#33
1,2-Dichloroethane-d4
Concen: 48.24 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

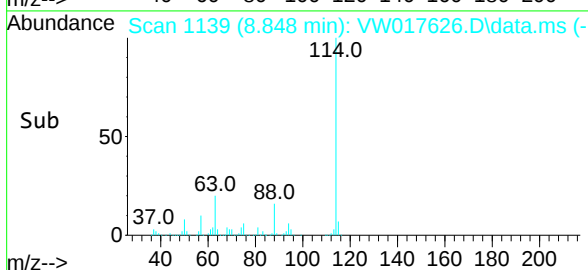
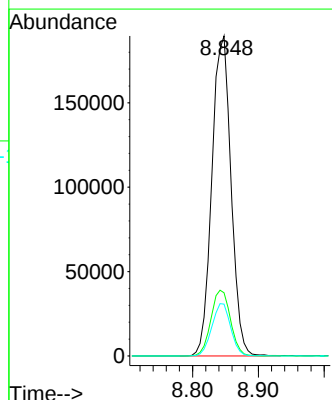
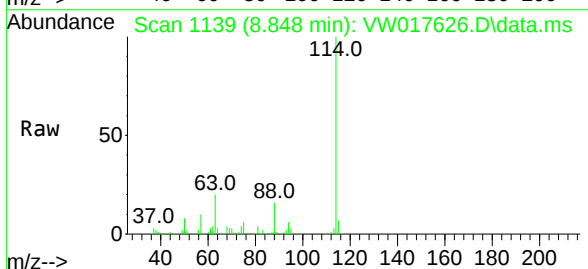
Instrument :
MSVOA_W
ClientSampleId :

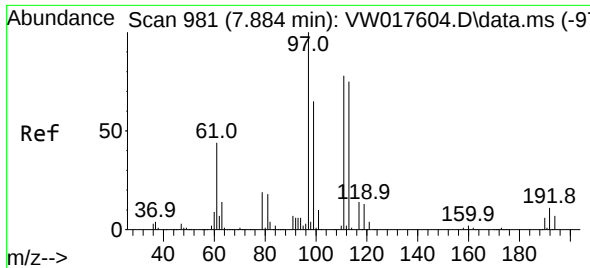
Tgt Ion: 65 Resp: 134045
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.848 min Scan# 1139
Delta R.T. 0.006 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Tgt Ion: 114 Resp: 384895
Ion Ratio Lower Upper
114 100
63 19.7 0.0 35.6
88 16.2 0.0 30.4

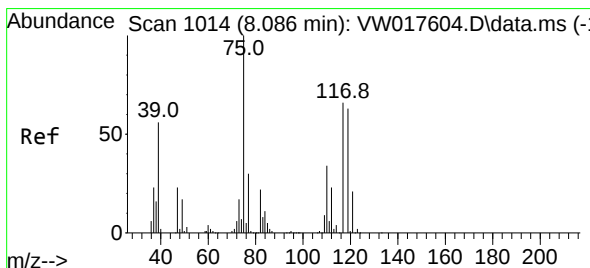
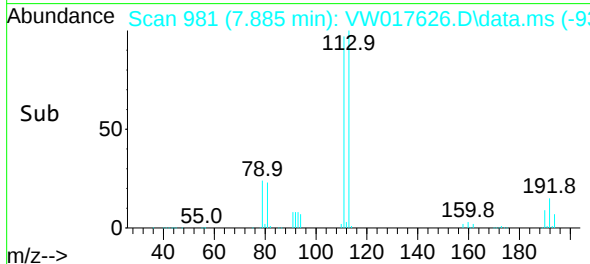
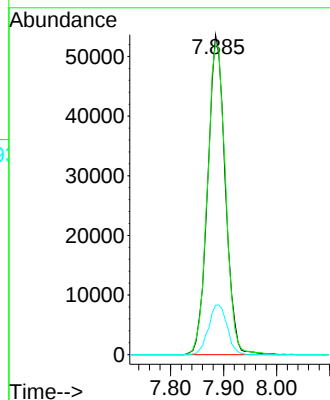
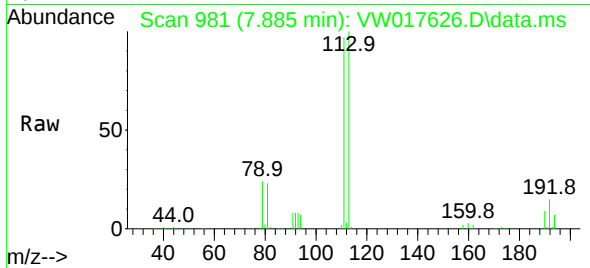




#35
Dibromofluoromethane
Concen: 48.41 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.001 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

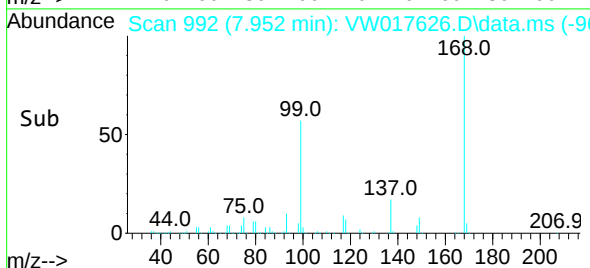
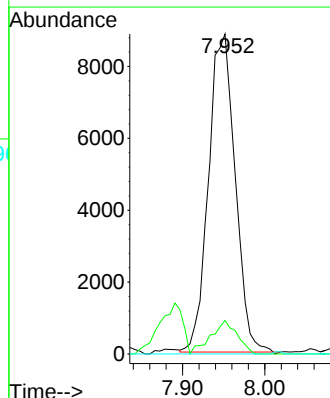
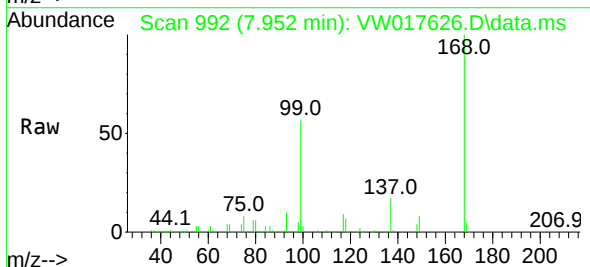
Instrument :
MSVOA_W
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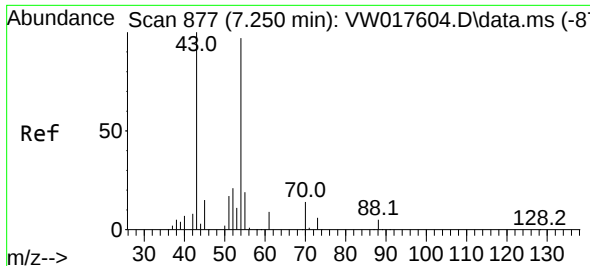
Tgt Ion:113 Resp: 123296
Ion Ratio Lower Upper
113 100
111 100.4 81.4 122.2
192 16.5 17.8 26.8#



#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.134 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Tgt Ion: 75 Resp: 19931
Ion Ratio Lower Upper
75 100
110 9.9 19.3 57.9#
77 0.0 25.0 37.6#





#37

Ethyl Acetate

Concen: 3.17 ug/l

RT: 7.135 min Scan# 858

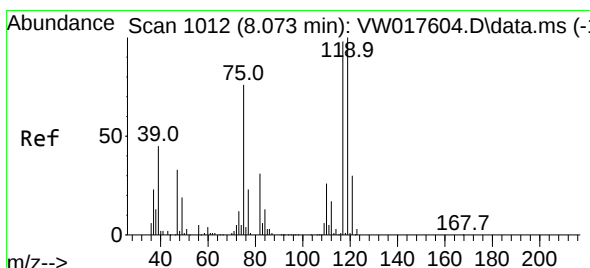
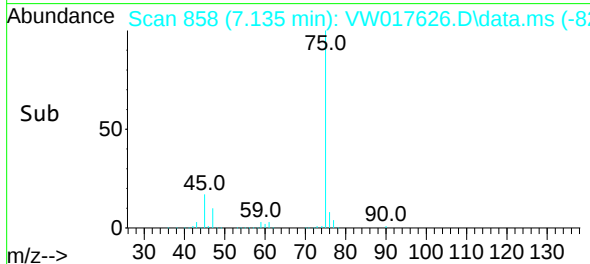
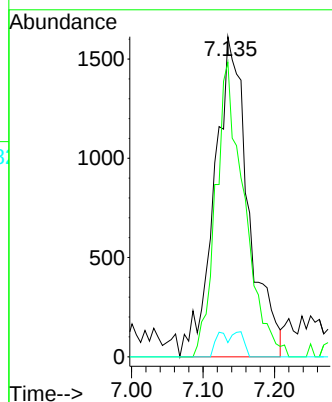
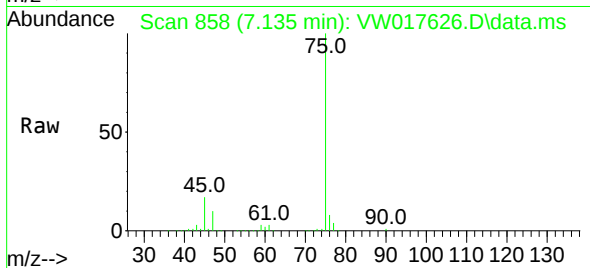
Delta R.T. -0.115 min

Lab File: VW017626.D

Acq: 15 Dec 2020 11:53

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 43	Resp: 5331
Ion Ratio	Lower Upper
43	100
61	76.9 12.0 18.0#
70	2.7 9.9 14.9#



#38

Carbon Tetrachloride

Concen: 5.85 ug/l

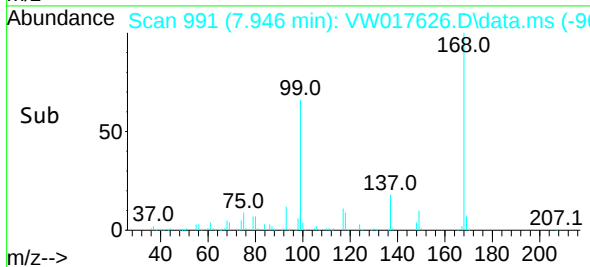
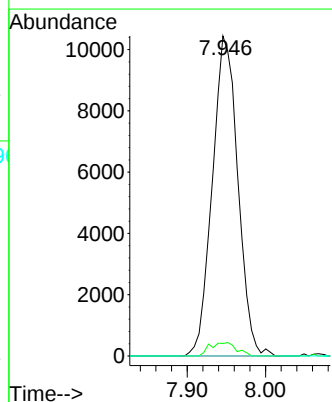
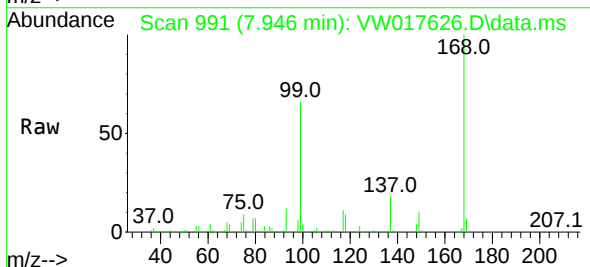
RT: 7.946 min Scan# 991

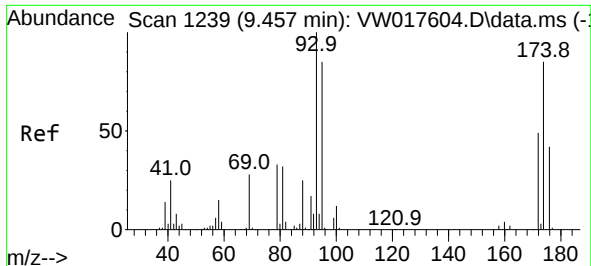
Delta R.T. -0.128 min

Lab File: VW017626.D

Acq: 15 Dec 2020 11:53

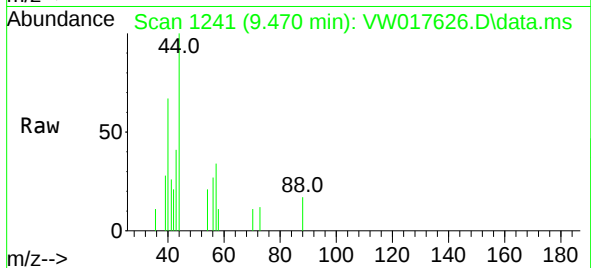
Tgt Ion: 117	Resp: 23678
Ion Ratio	Lower Upper
117	100
119	3.9 81.6 122.4#
121	0.0 25.7 38.5#



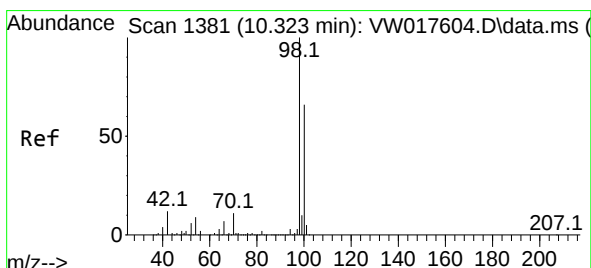
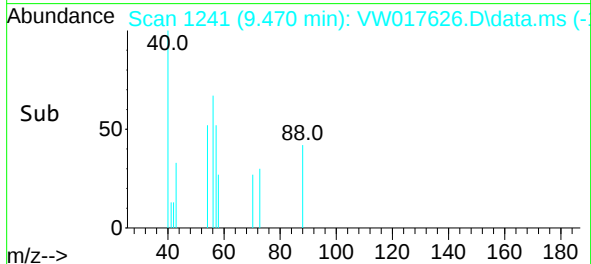
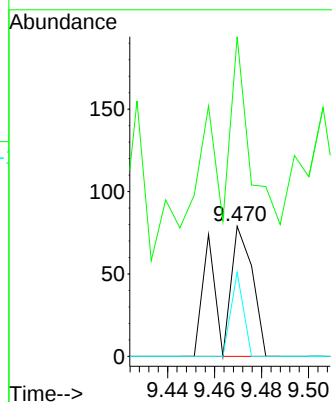


#49
1,4-Dioxane
Concen: 4.17 ug/l
RT: 9.470 min Scan# 1241
Delta R.T. 0.013 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Instrument :
MSVOA_W
ClientSampled :

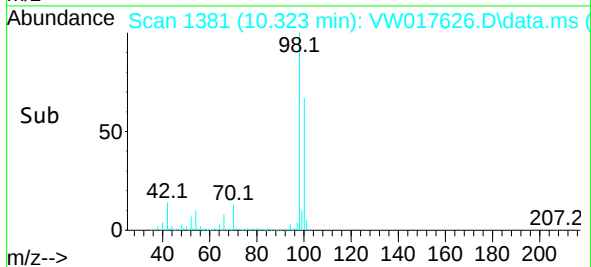
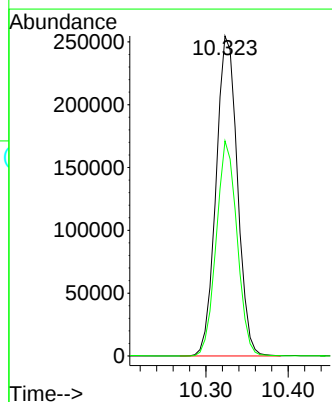
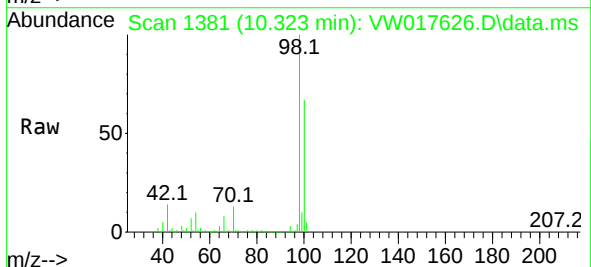


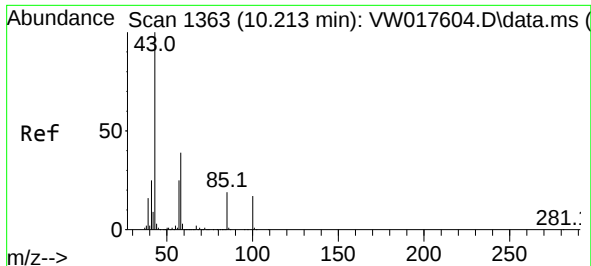
Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 130.3 0.0 0.0#
58 25.0 54.0 81.0#



#50
Toluene-d8
Concen: 46.35 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Tgt Ion: 98 Resp: 459635
Ion Ratio Lower Upper
98 100
100 65.5 53.3 79.9

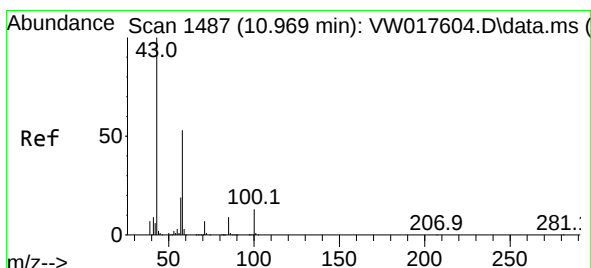
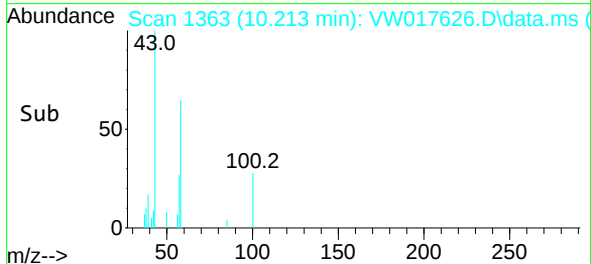
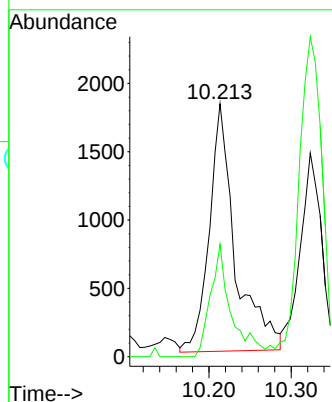
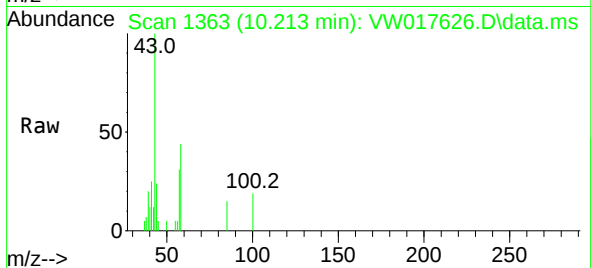




#51
4-Methyl-2-Pentanone
Concen: 2.54 ug/l
RT: 10.213 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

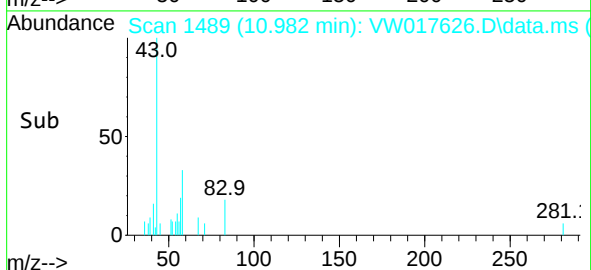
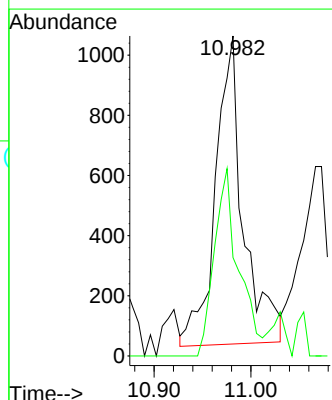
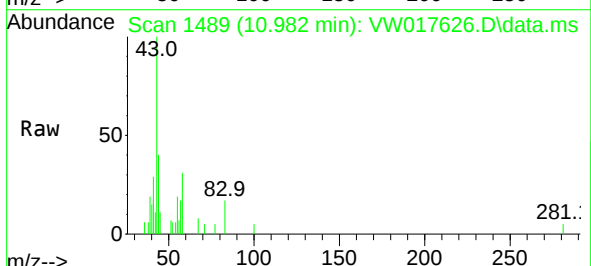
Instrument :
MSVOA_W
ClientSampled :

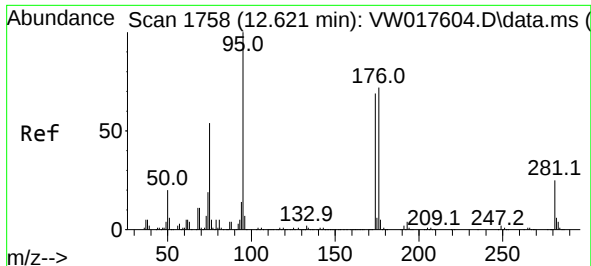
Tgt Ion: 43 Resp: 3989
Ion Ratio Lower Upper
43 100
58 36.1 34.7 52.1



#59
2-Hexanone
Concen: 1.94 ug/l
RT: 10.982 min Scan# 1489
Delta R.T. 0.013 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
58 53.5 29.5 88.5

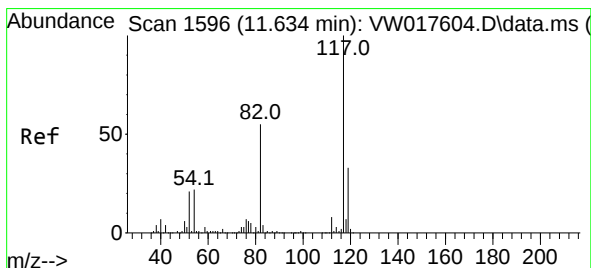
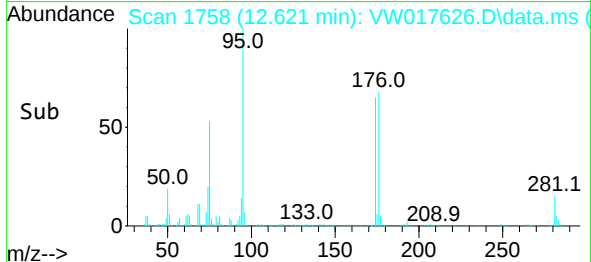
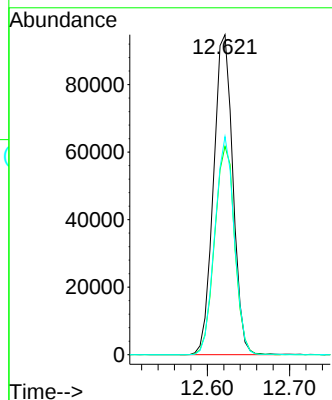
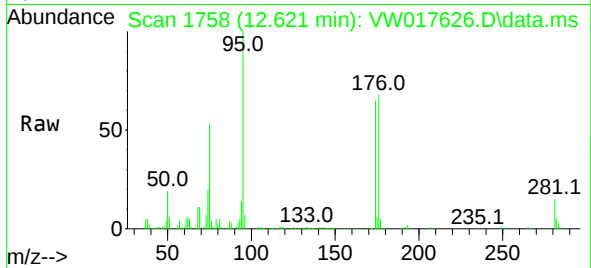




#62
4-Bromofluorobenzene
Concen: 43.81 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

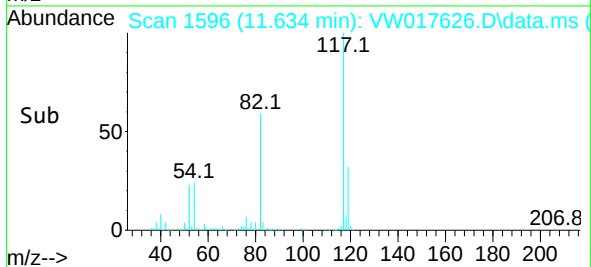
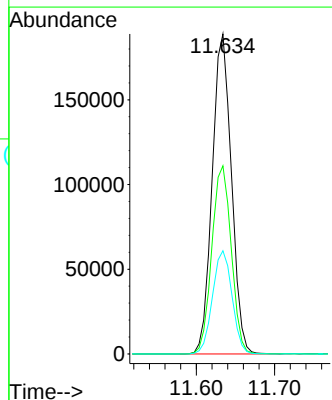
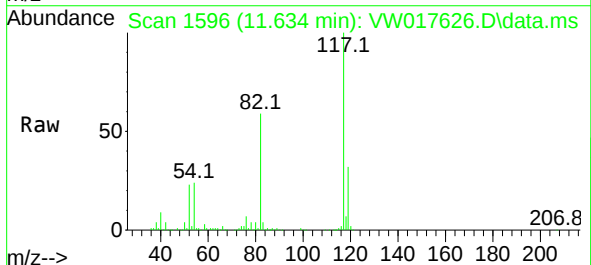
Instrument :
MSVOA_W
ClientSampleId :

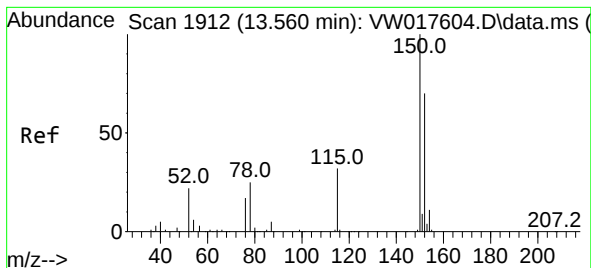
Tgt Ion: 95 Resp: 155130
Ion Ratio Lower Upper
95 100
174 67.3 0.0 180.6
176 68.3 0.0 177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Tgt Ion:117 Resp: 321541
Ion Ratio Lower Upper
117 100
82 58.8 40.7 61.1
119 32.3 25.0 37.4

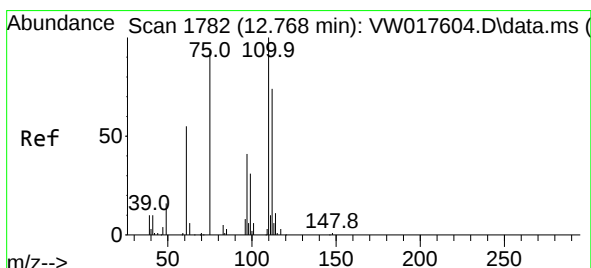
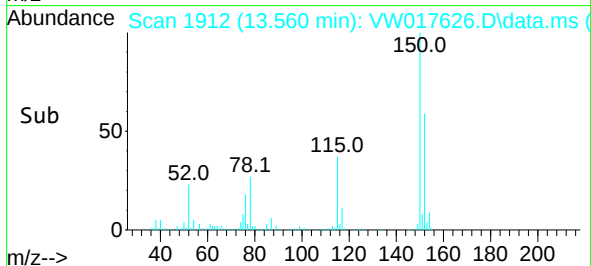
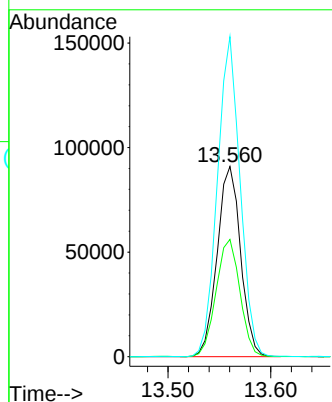
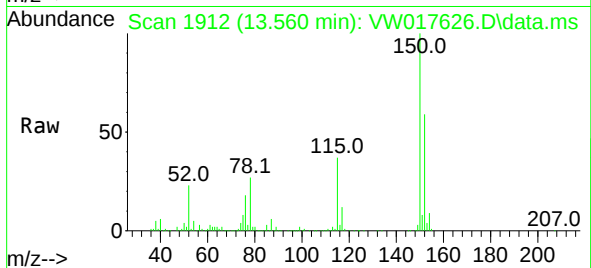




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

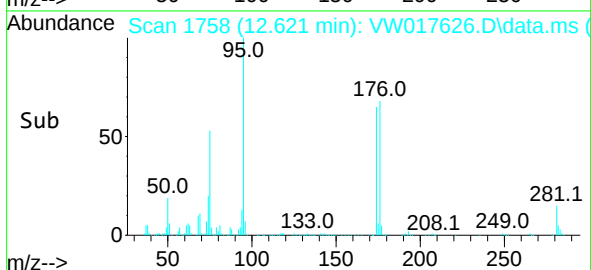
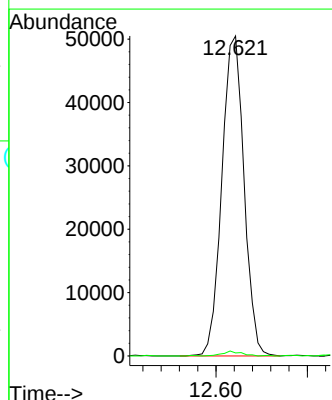
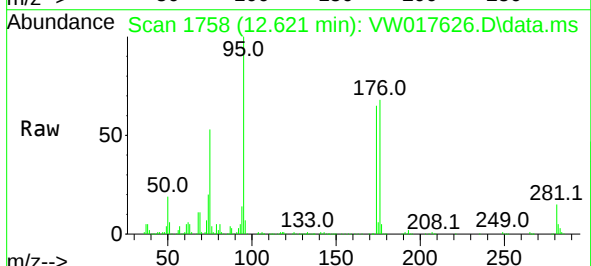
Instrument :
MSVOA_W
ClientSampled :

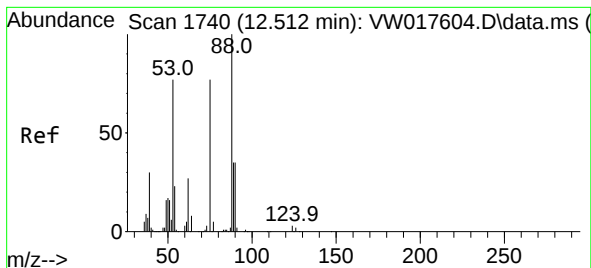
Tgt Ion:152 Resp: 144022
Ion Ratio Lower Upper
152 100
115 63.0 27.9 83.7
150 163.0 0.0 344.0



#76
1,2,3-Trichloropropane
Concen: 61.33 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Tgt Ion: 75 Resp: 85023
Ion Ratio Lower Upper
75 100
77 1.3 178.8 536.3#

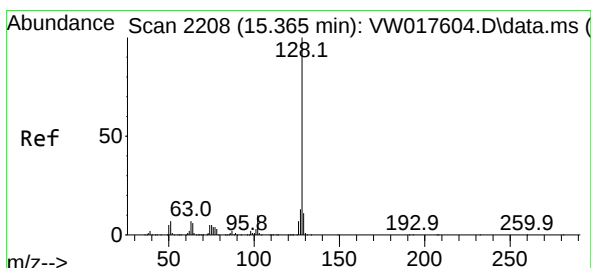
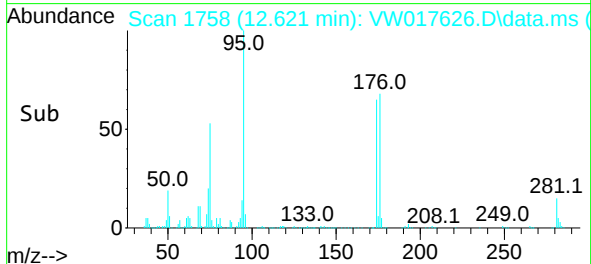
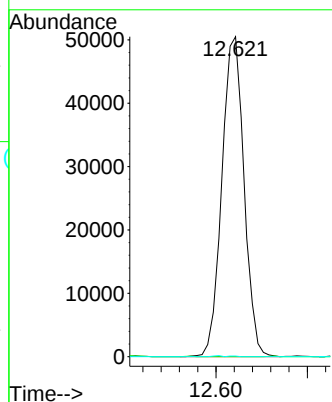
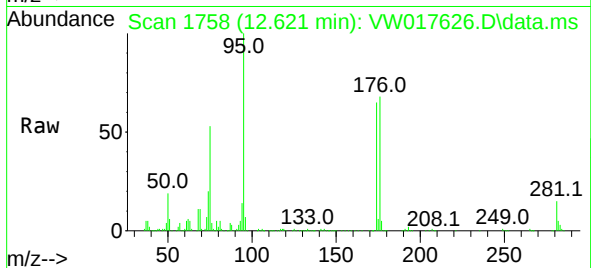




#81
trans-1,4-Dichloro-2-butene
Concen: 124.25 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.109 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

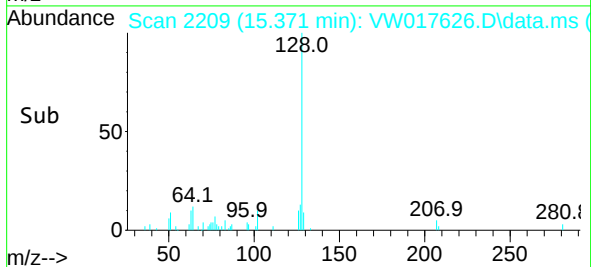
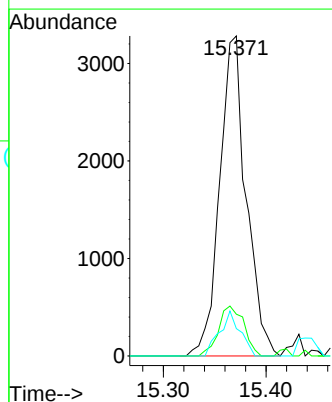
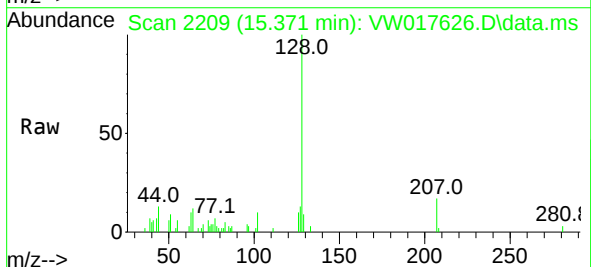
Instrument :
MSVOA_W
ClientSampleId :

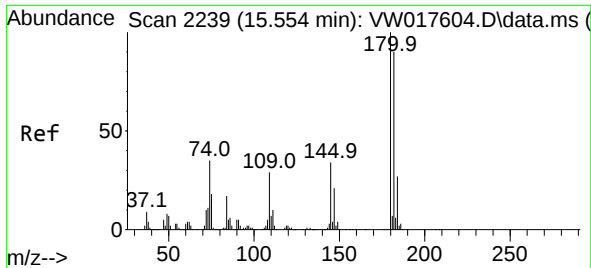
Tgt Ion: 75 Resp: 85023
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.4#
89 0.1 38.7 58.1#



#95
Naphthalene
Concen: 1.04 ug/l
RT: 15.371 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

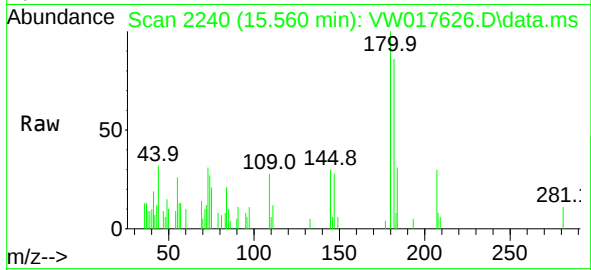
Tgt Ion:128 Resp: 5879
Ion Ratio Lower Upper
128 100
127 15.0 10.4 15.6
129 10.9 8.6 12.8





#96
1,2,3-Trichlorobenzene
Concen: 1.03 ug/l
RT: 15.560 min Scan# 2240
Delta R.T. 0.006 min
Lab File: VW017626.D
Acq: 15 Dec 2020 11:53

Instrument :
MSVOA_W
ClientSampled :



Tgt Ion:	180	Resp:	2466
Ion	Ratio	Lower	Upper
180	100		
182	92.9	49.4	148.2
145	38.9	16.3	48.9

