

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122320\
 Data File : VW017722.D
 Acq On : 23 Dec 2020 19:27
 Operator : SY/VA
 Sample : L5199-01
 Misc : 5.66G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-122320

Quant Time: Dec 24 01:40:20 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)

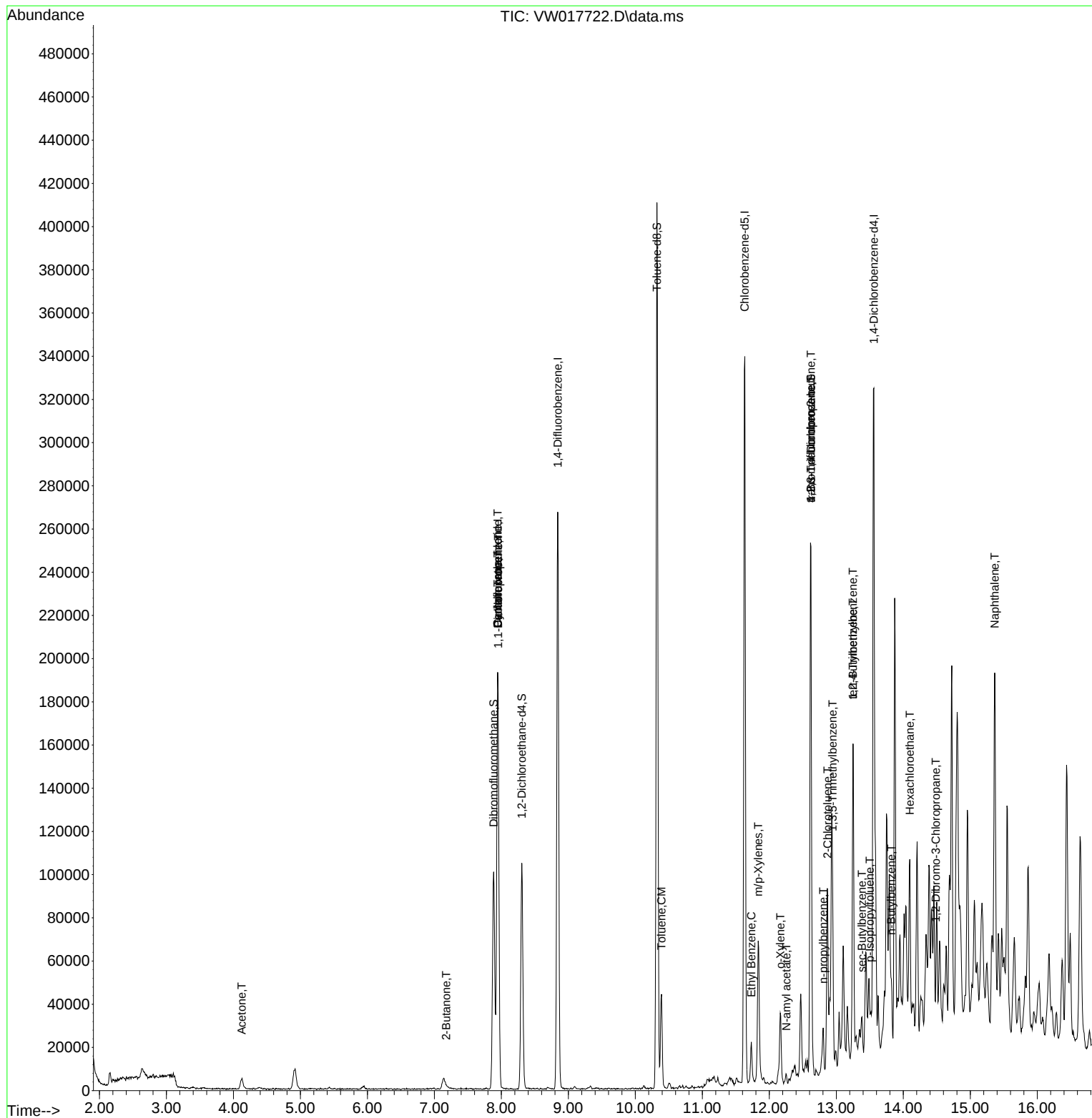
Internal Standards						
1) Pentafluorobenzene	7.945	168	137177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	223224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	184525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	73560	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	81121	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.10%	
35) Dibromofluoromethane	7.884	113	69973	47.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.74%	
50) Toluene-d8	10.323	98	261636	45.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.98%	
62) 4-Bromofluorobenzene	12.621	95	80791	39.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.68%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.171	59	148	Below Cal	#	82
16) Acetone	4.123	43	8578	23.59	ug/l	99
20) Methylene Chloride	4.922	84	7021	Below Cal	#	76
25) 2-Butanone	7.177	43	2667	5.51	ug/l	# 83
26) 2,2-Dichloropropane	7.141	77	390	Below Cal	#	50
31) Cyclohexane	7.945	56	3719	1.29	ug/l	# 51
36) 1,1-Dichloropropene	7.951	75	11843	5.07	ug/l	# 49
38) Carbon Tetrachloride	7.945	117	14620	6.22	ug/l	# 12
52) Toluene	10.390	92	17731	4.38	ug/l	91
67) Ethyl Benzene	11.731	91	12484	1.69	ug/l	99
68) m/p-Xylenes	11.835	106	17192	6.12	ug/l	93
69) o-Xylene	12.164	106	8413	3.17	ug/l	89
74) N-amyl acetate	12.256	43	1400	1.15	ug/l	# 58
76) 1,2,3-Trichloropropane	12.621	75	45891	64.81	ug/l	# 1
78) n-propylbenzene	12.804	91	15577	2.26	ug/l	96
79) 2-Chlorotoluene	12.871	91	8478	2.20	ug/l	# 39
80) 1,3,5-Trimethylbenzene	12.944	105	26824	5.45	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	45891	131.31	ug/l	# 11
83) tert-Butylbenzene	13.249	119	9240	2.19	ug/l	# 51
84) 1,2,4-Trimethylbenzene	13.249	105	77893	16.07	ug/l	99
85) sec-Butylbenzene	13.383	105	9930	1.68	ug/l	91
86) p-Isopropyltoluene	13.499	119	7083	1.33	ug/l	95
89) n-Butylbenzene	13.822	91	15560	2.97	ug/l	# 80
90) Hexachloroethane	14.097	117	3707	3.53	ug/l	# 7
92) 1,2-Dibromo-3-Chloropr...	14.487	75	203	1.15	ug/l	# 19
95) Naphthalene	15.365	128	132561	45.90	ug/l	99

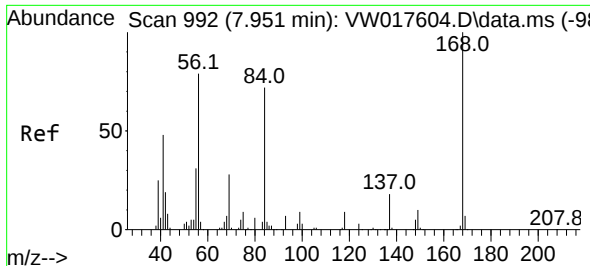
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 14 12:39:23 2020
Response via : Initial Calibration

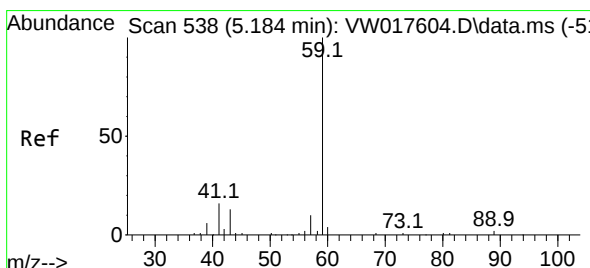
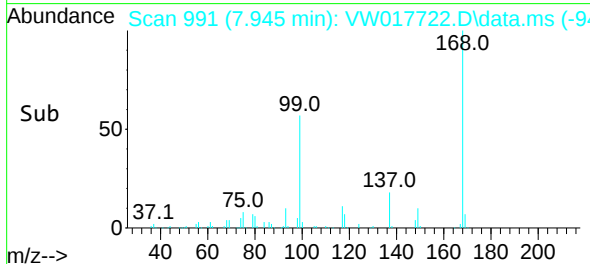
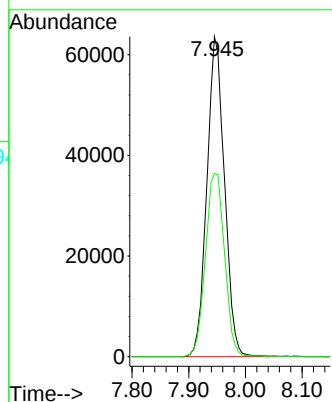
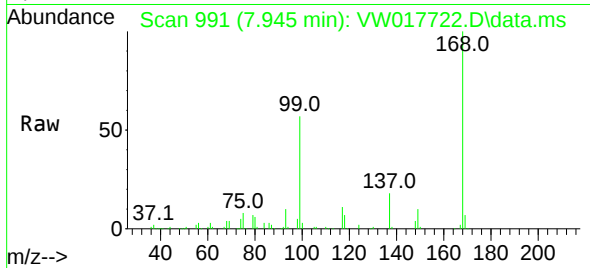




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

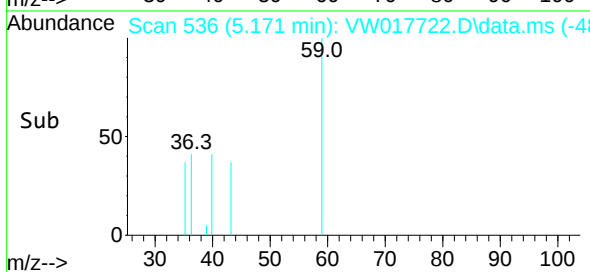
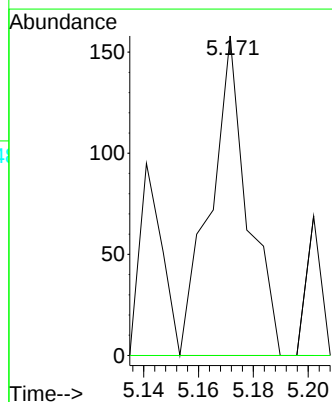
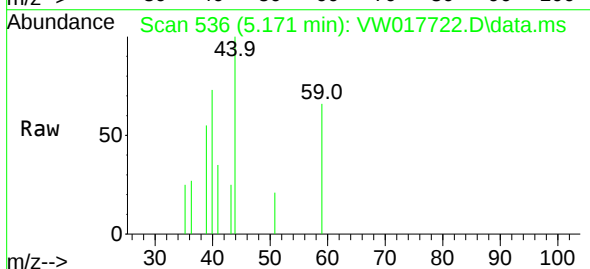
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MSVOA_W
ClientSampleId :
OR-03-122320

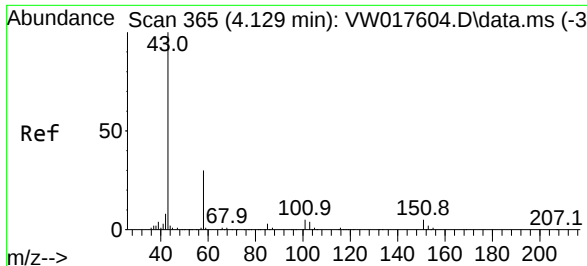
Tgt Ion:168 Resp: 137177
Ion Ratio Lower Upper
168 100
99 57.3 40.7 61.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.171 min Scan# 536
Delta R.T. -0.013 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 59 Resp: 148
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

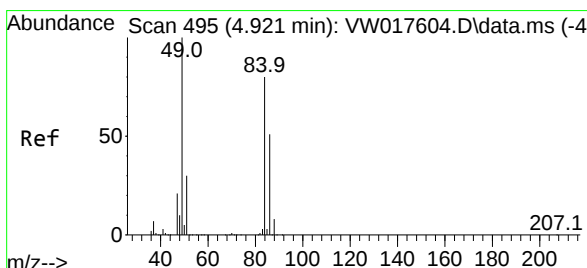
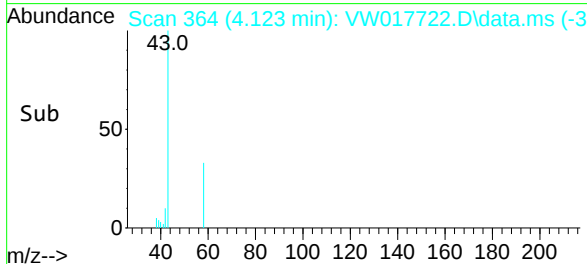
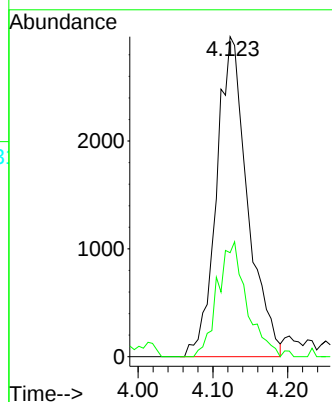
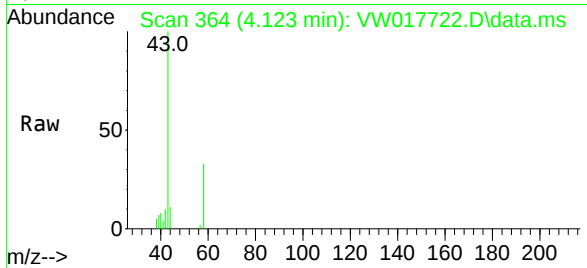




#16
Acetone
Concen: 23.59 ug/l
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

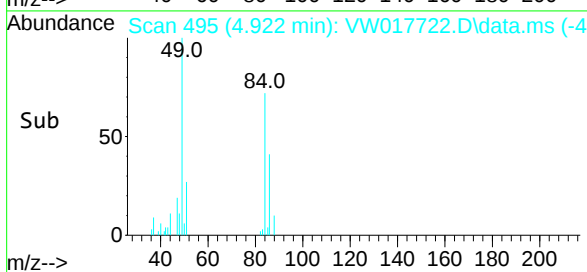
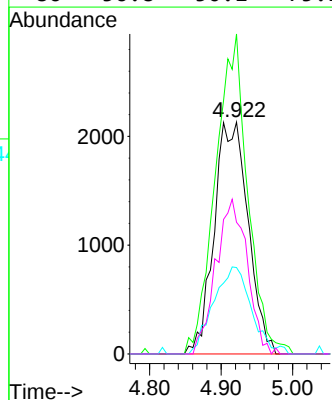
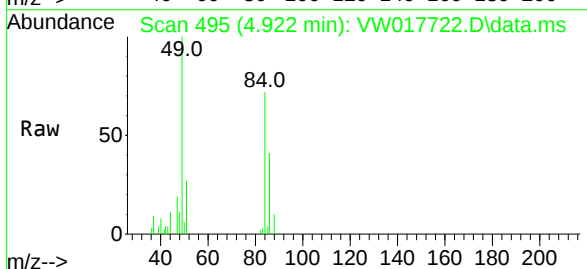
Instrument :
MSVOA_W
ClientSampleId :
OR-03-122320

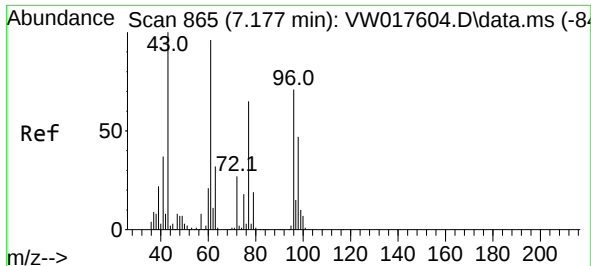
Tgt Ion: 43 Resp: 8578
Ion Ratio Lower Upper
43 100
58 32.5 25.7 38.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.922 min Scan# 495
Delta R.T. 0.001 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 84 Resp: 7021
Ion Ratio Lower Upper
84 100
49 138.0 79.0 118.6#
51 37.2 26.1 39.1
86 56.8 50.1 75.1

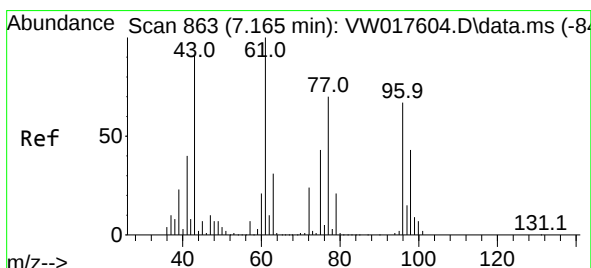
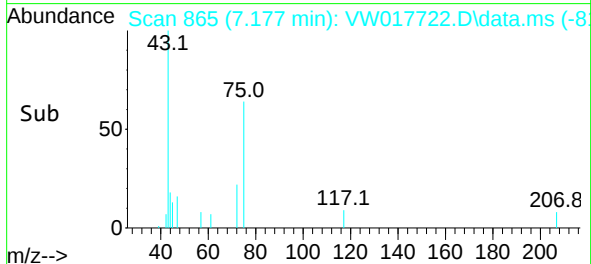
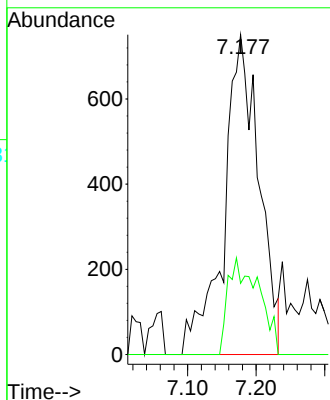
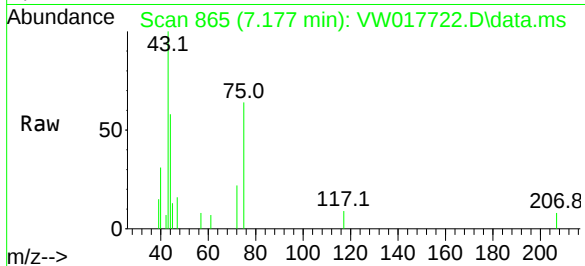




#25
2-Butanone
Concen: 5.51 ug/l
RT: 7.177 min Scan# 865
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

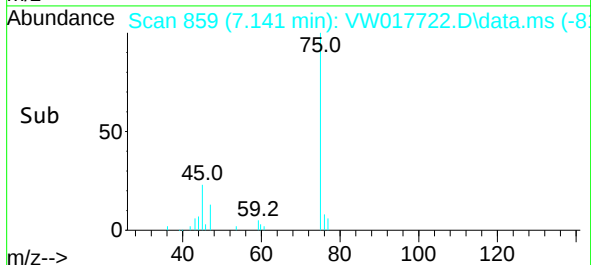
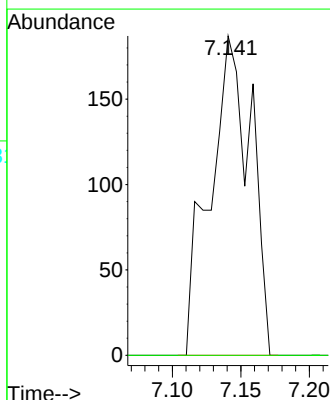
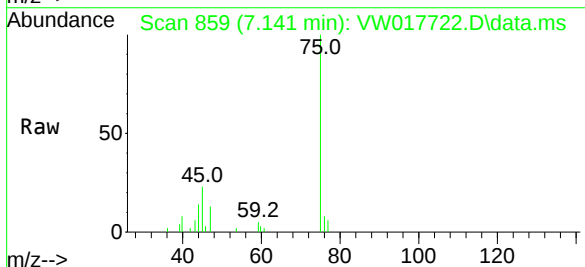
Instrument :
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OR-03-122320

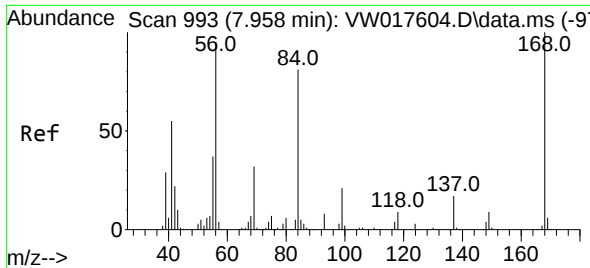
Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
72 22.2 25.4 38.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.141 min Scan# 859
Delta R.T. -0.024 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 77 Resp: 390
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#

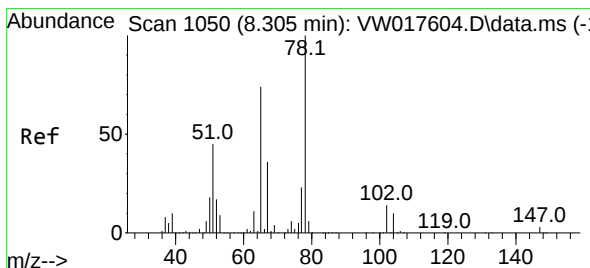
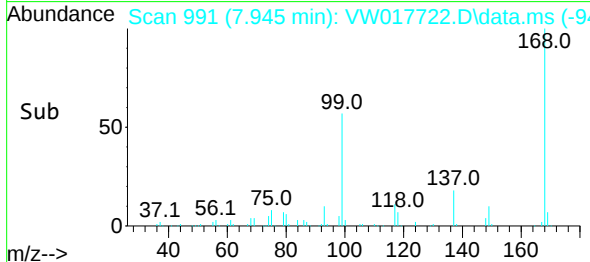
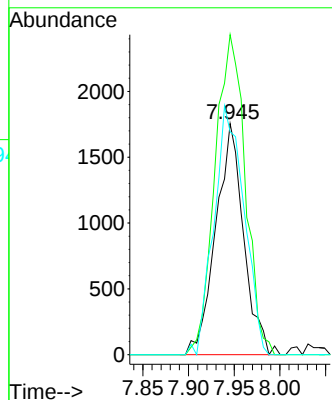
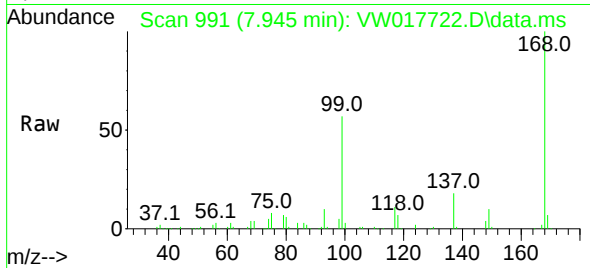




#31
Cyclohexane
Concen: 1.29 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.013 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

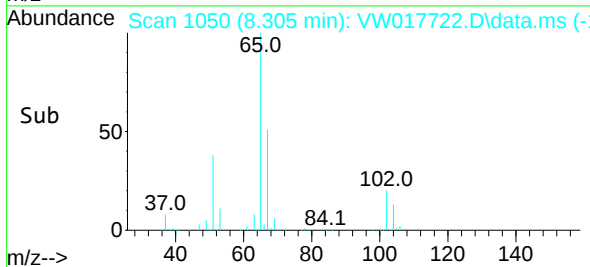
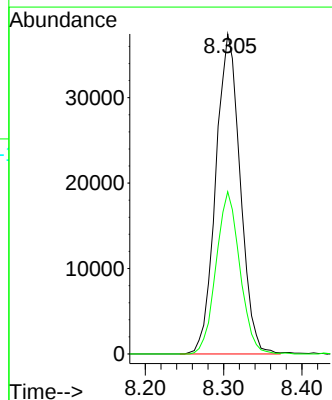
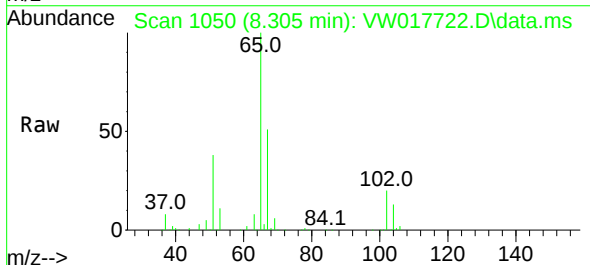
Instrument :
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ClientSampleId :
OR-03-122320

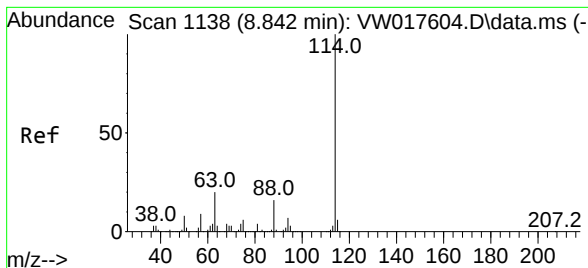
Tgt Ion: 56 Resp: 3719
Ion Ratio Lower Upper
56 100
69 138.5 29.3 43.9#
84 96.5 80.5 120.7



#33
1,2-Dichloroethane-d4
Concen: 48.55 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 65 Resp: 81121
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.8

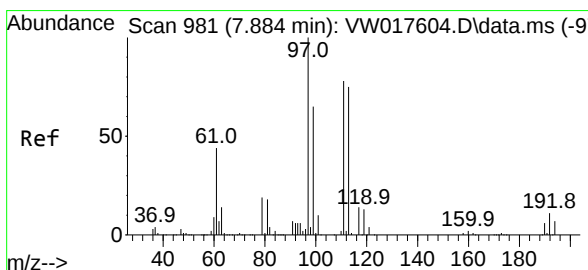
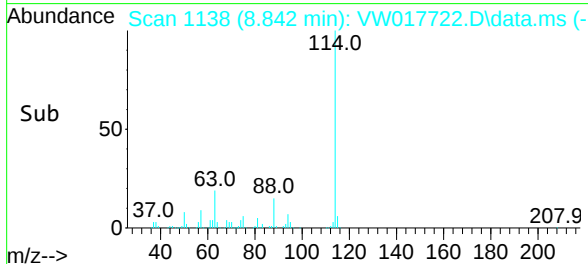
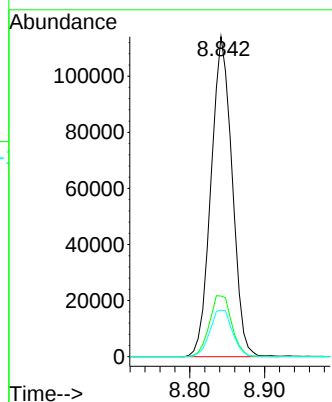
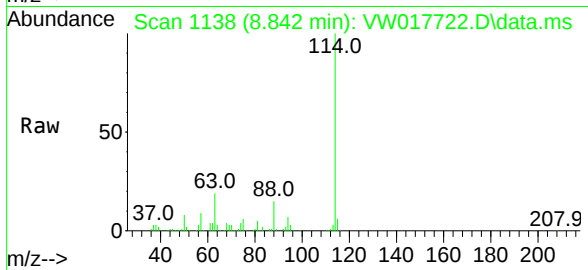




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

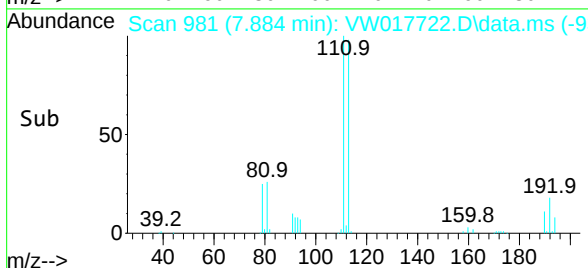
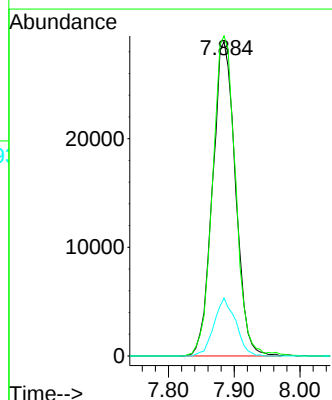
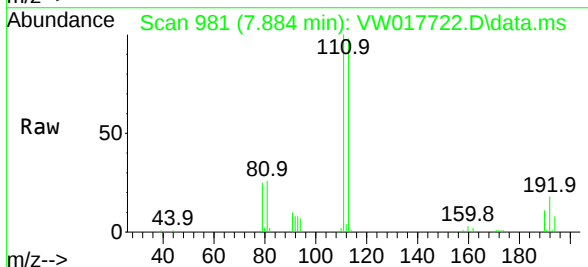
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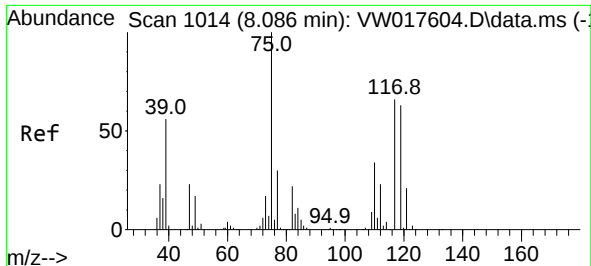
Tgt Ion:114 Resp: 223224
Ion Ratio Lower Upper
114 100
63 19.0 0.0 35.6
88 14.5 0.0 30.4



#35
Dibromofluoromethane
Concen: 47.37 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion:113 Resp: 69973
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.2
192 17.5 17.8 26.8#

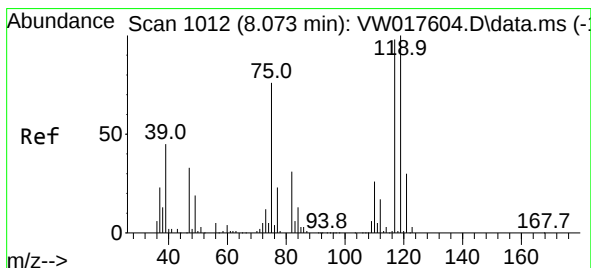
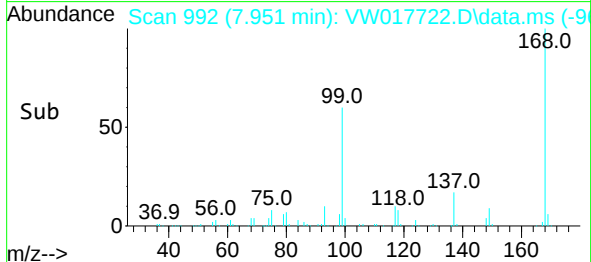
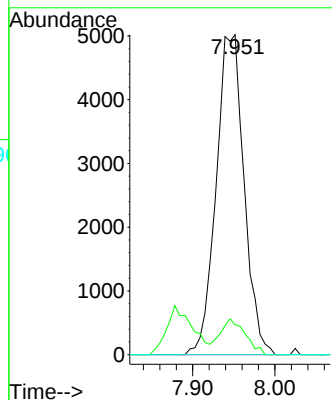
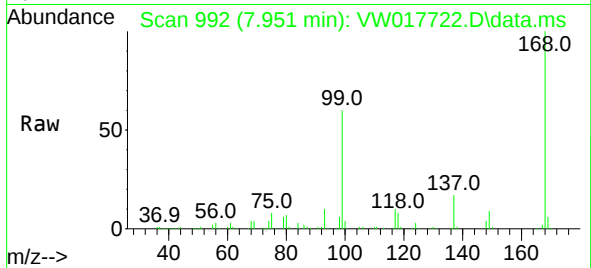




#36
1,1-Dichloropropene
Concen: 5.07 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.135 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

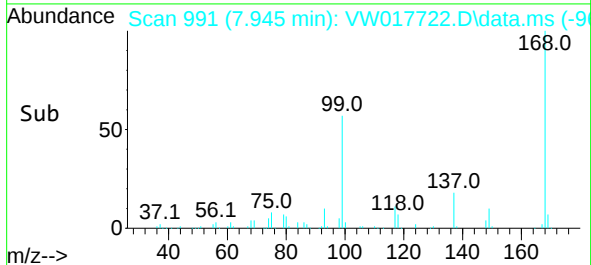
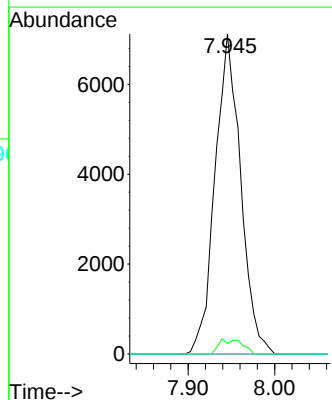
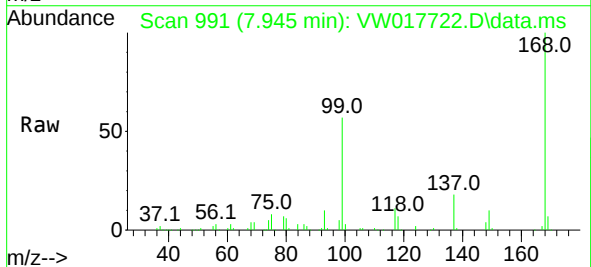
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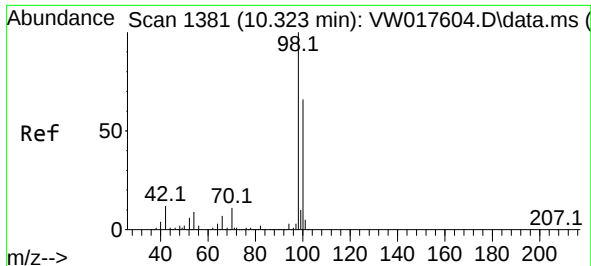
Tgt Ion: 75 Resp: 11843
Ion Ratio Lower Upper
75 100
110 10.0 19.3 57.9#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.22 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.128 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 117 Resp: 14620
Ion Ratio Lower Upper
117 100
119 3.3 81.6 122.4#
121 0.0 25.7 38.5#

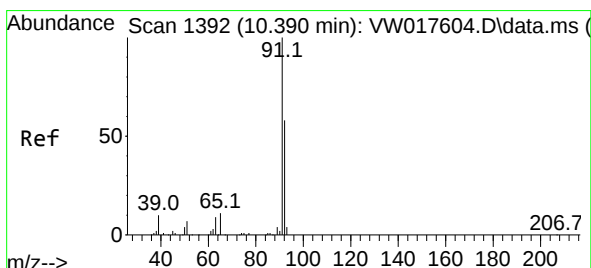
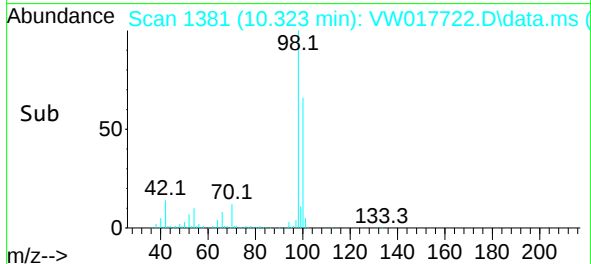
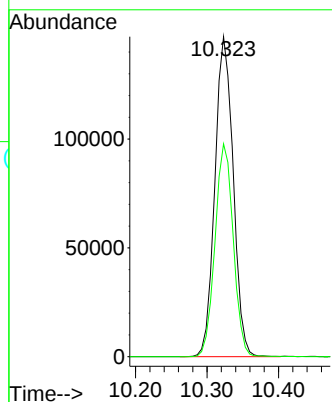
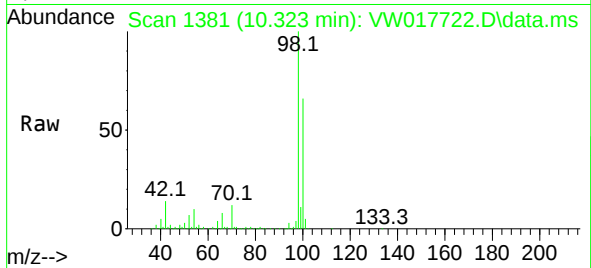




#50
Toluene-d8
Concen: 45.49 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

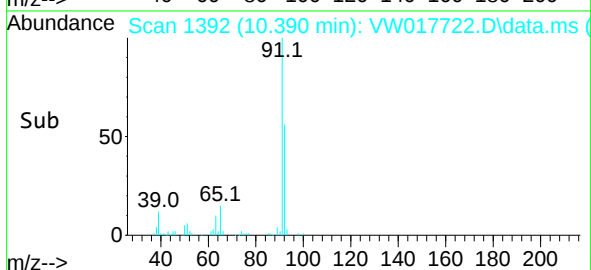
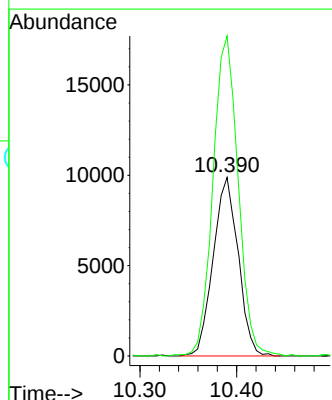
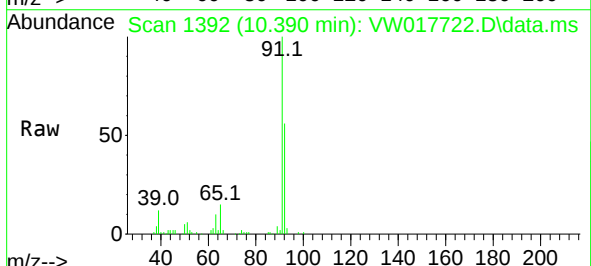
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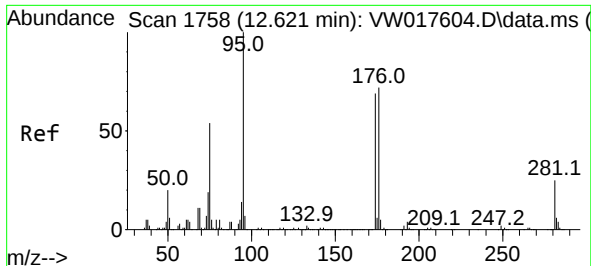
Tgt Ion: 98 Resp: 261636
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#52
Toluene
Concen: 4.38 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 92 Resp: 17731
Ion Ratio Lower Upper
92 100
91 180.5 134.7 202.1

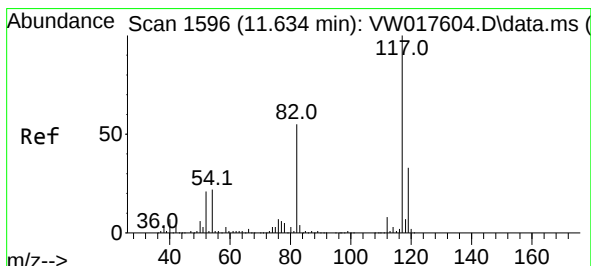
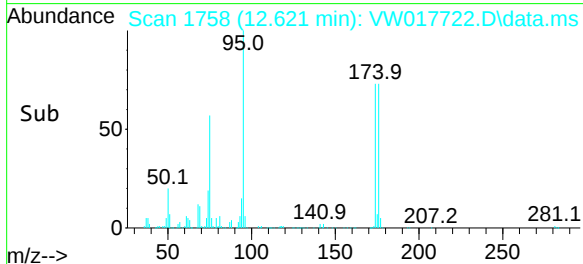
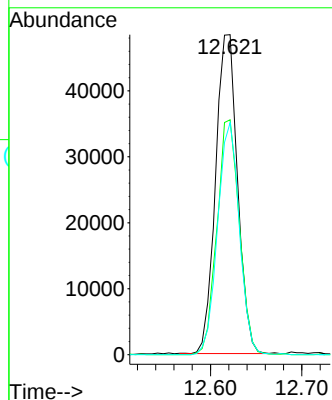
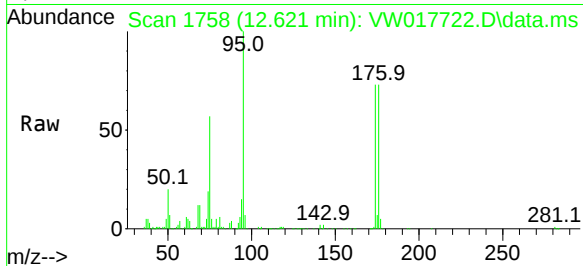




#62
4-Bromofluorobenzene
Concen: 39.34 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

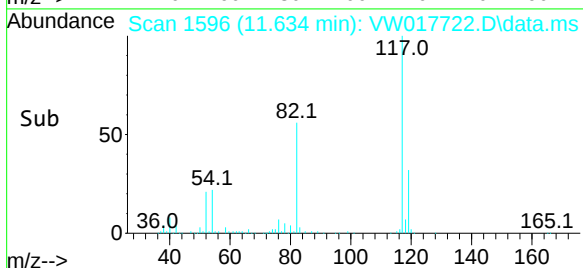
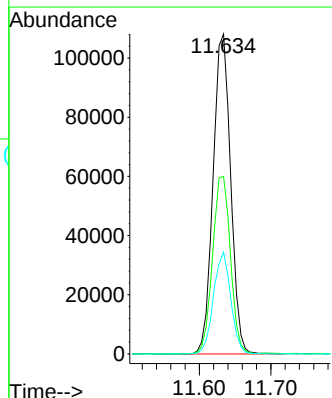
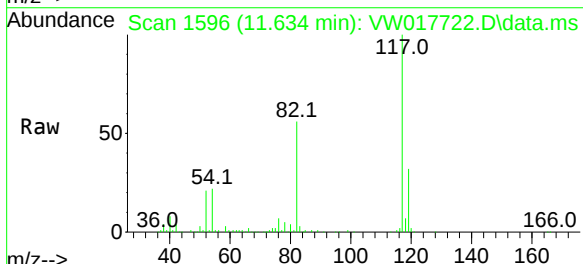
Instrument :
MSVOA_W
ClientSampleId :
OR-03-122320

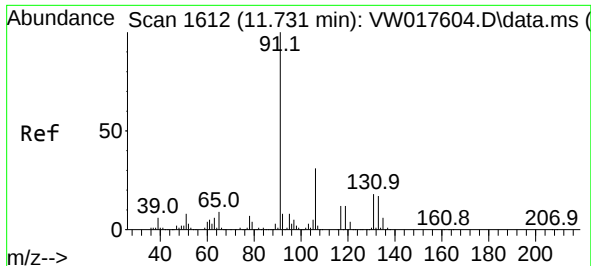
Tgt Ion: 95 Resp: 80791
Ion Ratio Lower Upper
95 100
174 75.1 0.0 180.6
176 72.0 0.0 177.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion:117 Resp: 184525
Ion Ratio Lower Upper
117 100
82 55.5 40.7 61.1
119 31.8 25.0 37.4

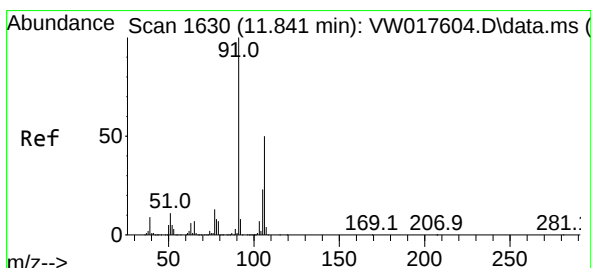
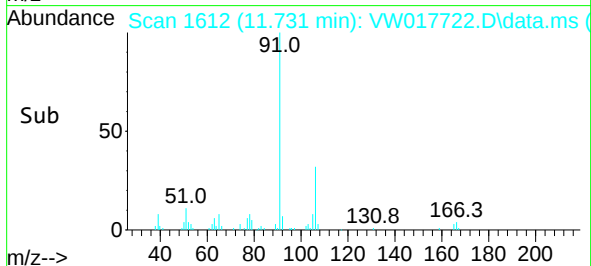
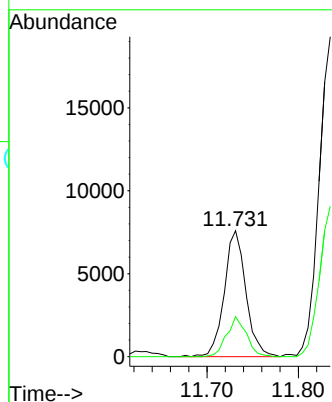
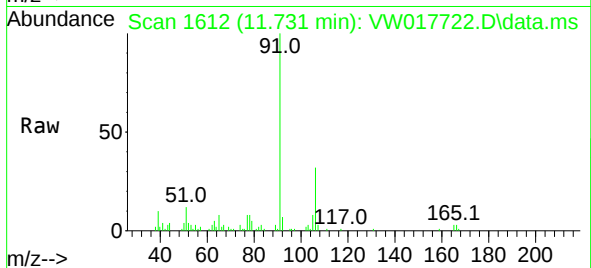




#67
Ethyl Benzene
Concen: 1.69 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

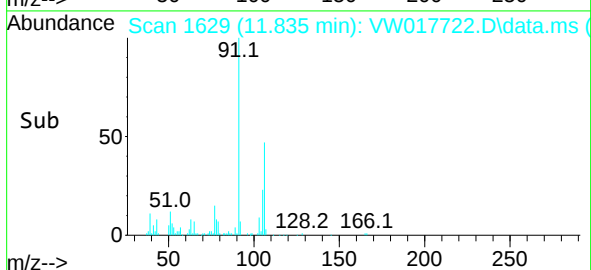
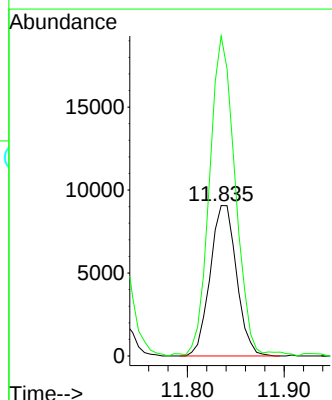
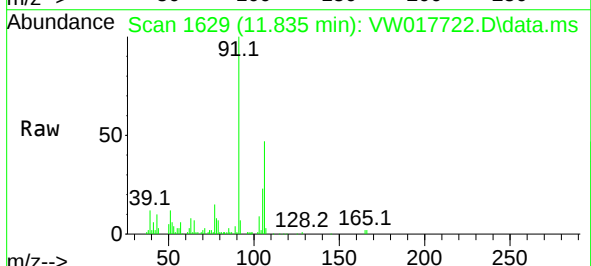
Instrument :
MSVOA_W
ClientSampleId :
OR-03-122320

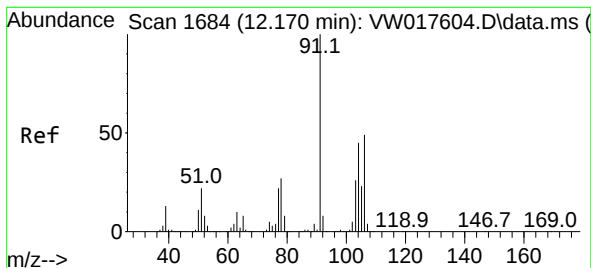
Tgt Ion: 91 Resp: 12484
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9



#68
m/p-Xylenes
Concen: 6.12 ug/l
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 106 Resp: 17192
Ion Ratio Lower Upper
106 100
91 207.9 157.4 236.0

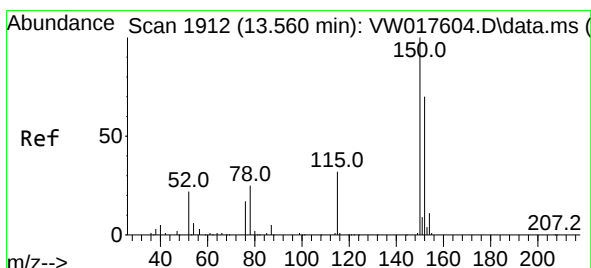
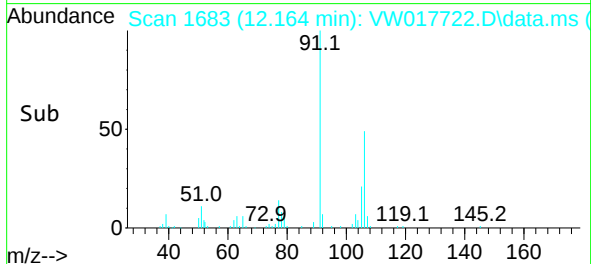
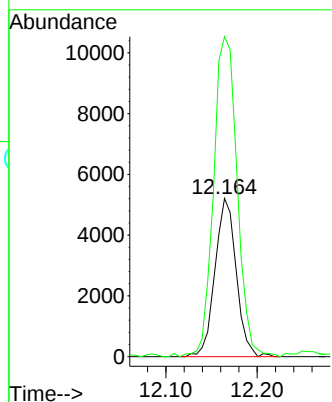
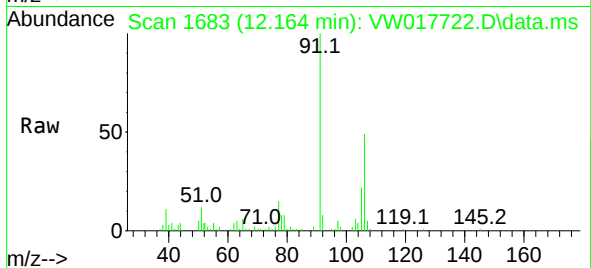




#69
o-Xylene
Concen: 3.17 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. -0.006 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

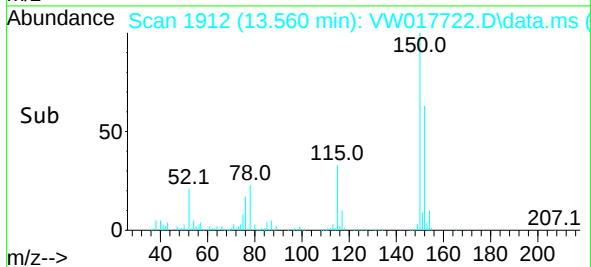
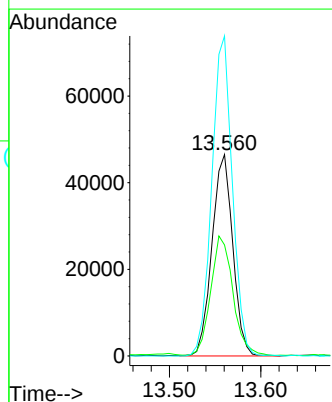
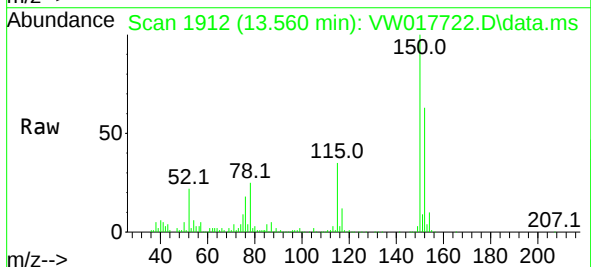
Instrument :
MSVOA_W
ClientSampleId :
OR-03-122320

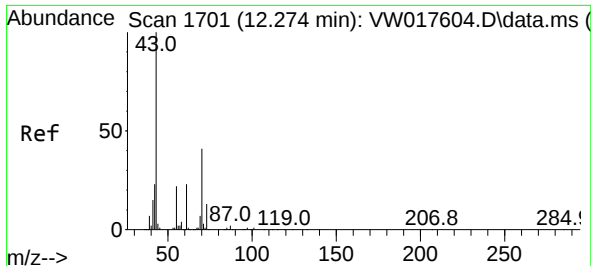
Tgt Ion:106 Resp: 8413
Ion Ratio Lower Upper
106 100
91 225.0 103.6 310.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion:152 Resp: 73560
Ion Ratio Lower Upper
152 100
115 63.0 27.9 83.7
150 156.6 0.0 344.0

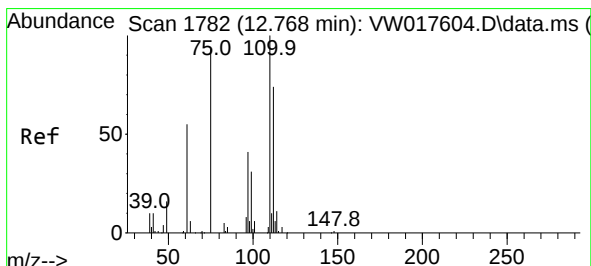
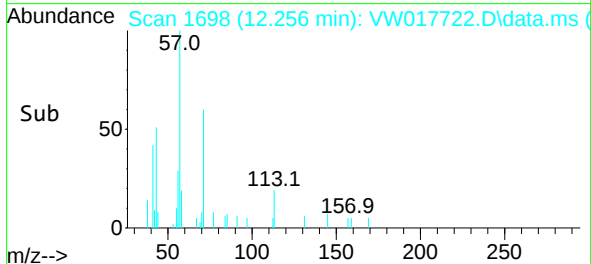
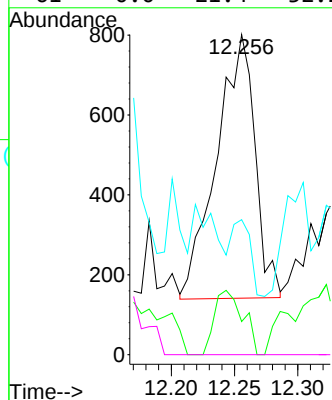
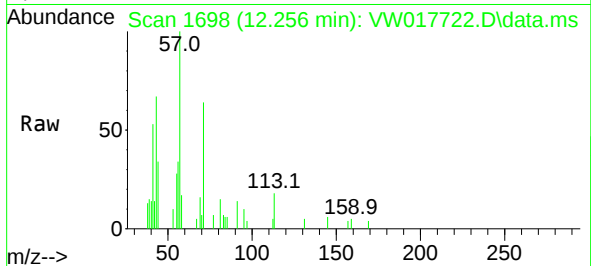




#74
N-amy1 acetate
Concen: 1.15 ug/l
RT: 12.256 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

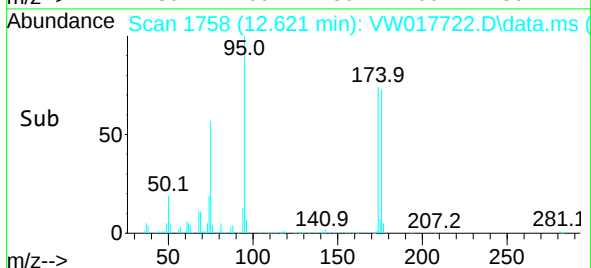
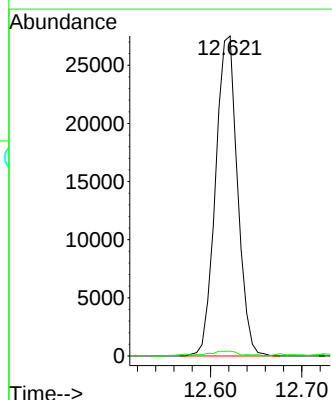
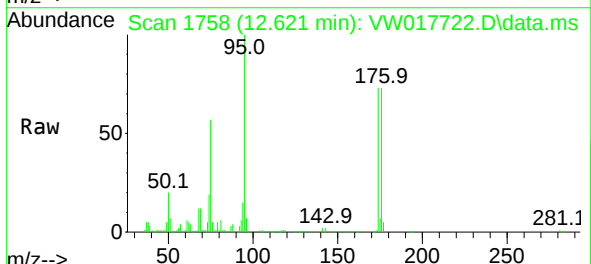
Instrument :
MSVOA_W
ClientSampleId :
OR-03-122320

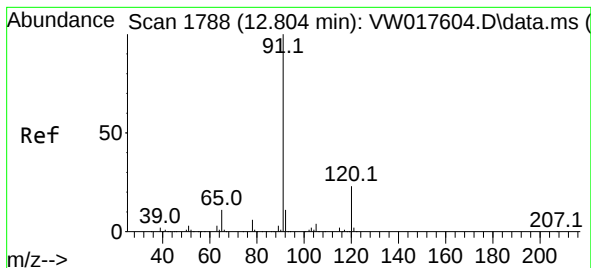
Tgt Ion: 43	Resp: 1400
Ion Ratio	Lower Upper
43 100	
70 18.1	40.2 60.4#
55 13.9	21.4 32.0#
61 0.0	21.4 32.2#



#76
1,2,3-Trichloropropane
Concen: 64.81 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.147 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 75	Resp: 45891
Ion Ratio	Lower Upper
75 100	
77 2.1	178.8 536.3#

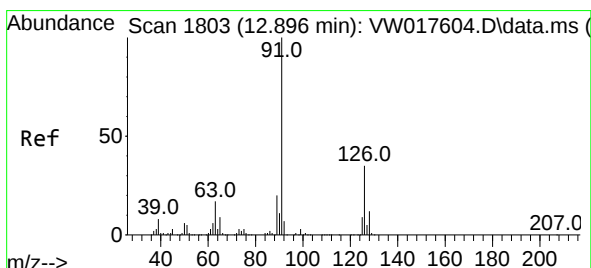
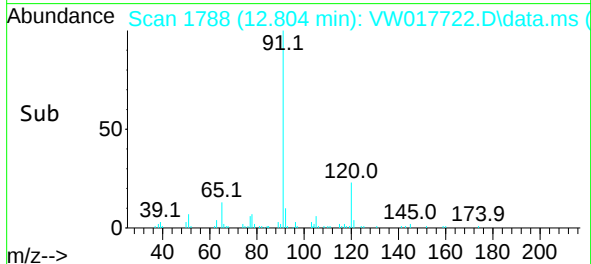
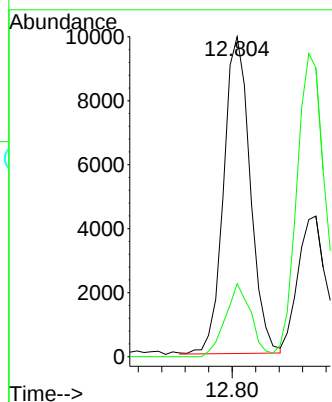
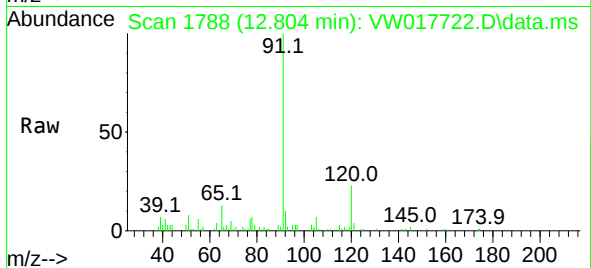




#78
n-propylbenzene
Concen: 2.26 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

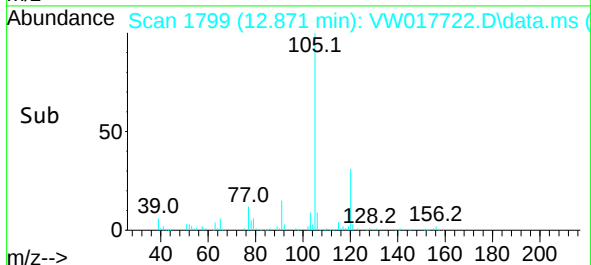
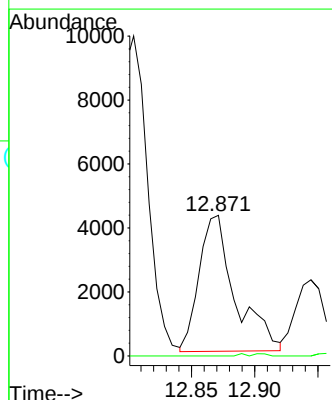
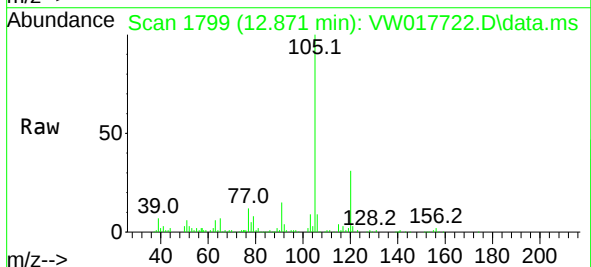
Instrument :
MSVOA_W
ClientSampled :
OR-03-122320

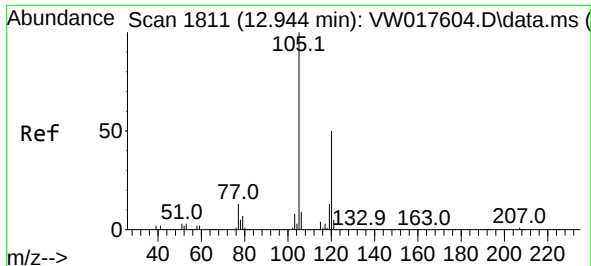
Tgt Ion: 91 Resp: 15577
Ion Ratio Lower Upper
91 100
120 22.3 12.0 36.1



#79
2-Chlorotoluene
Concen: 2.20 ug/l
RT: 12.871 min Scan# 1799
Delta R.T. -0.025 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 91 Resp: 8478
Ion Ratio Lower Upper
91 100
126 0.3 17.9 53.8#

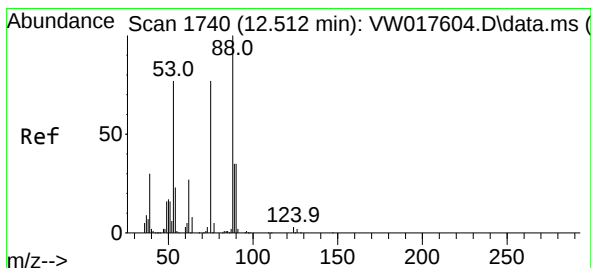
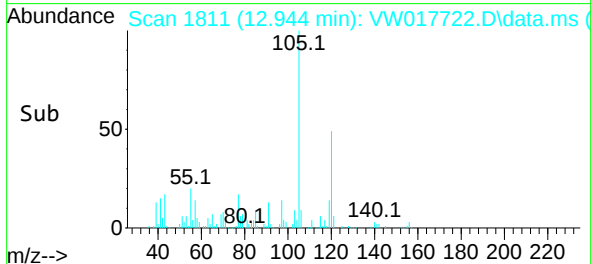
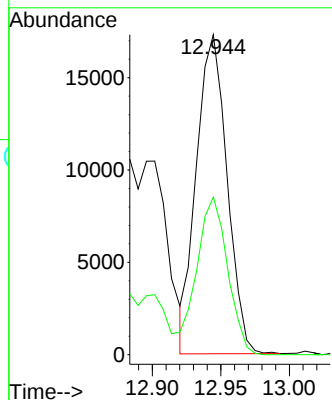
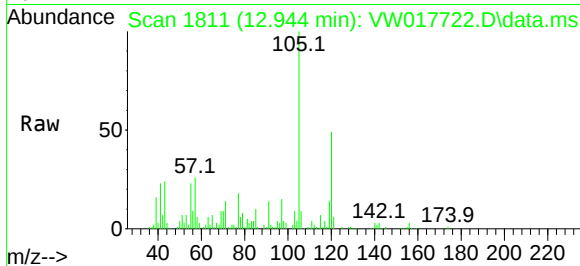




#80
1,3,5-Trimethylbenzene
Concen: 5.45 ug/l
RT: 12.944 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

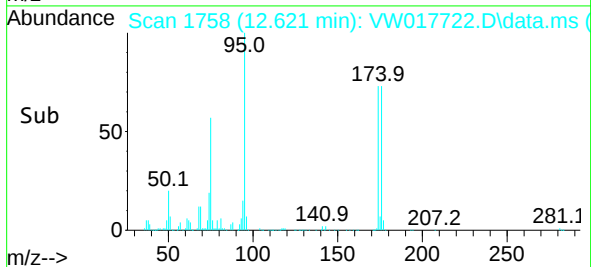
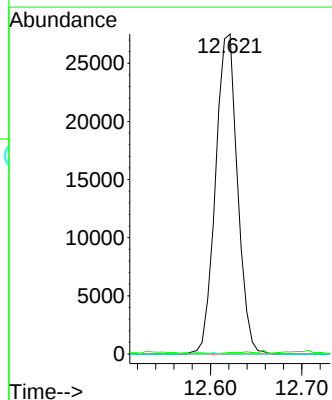
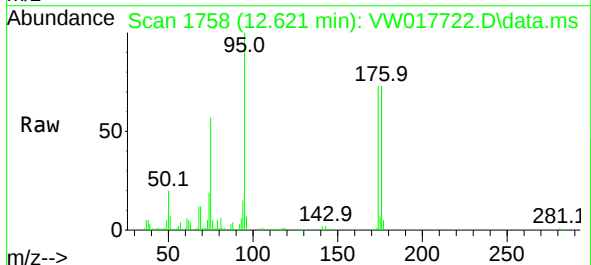
Instrument :
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ClientSampleId :
OR-03-122320

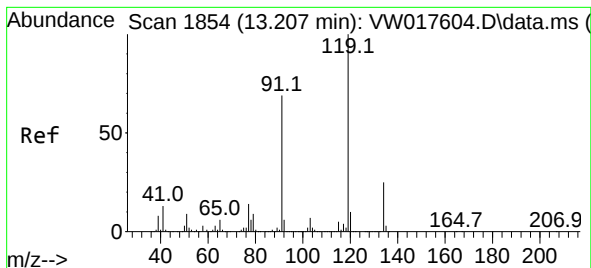
Tgt Ion:105 Resp: 26824
Ion Ratio Lower Upper
105 100
120 50.8 24.9 74.8



#81
trans-1,4-Dichloro-2-butene
Concen: 131.31 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.109 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion: 75 Resp: 45891
Ion Ratio Lower Upper
75 100
53 0.4 77.0 115.4#
89 0.0 38.7 58.1#

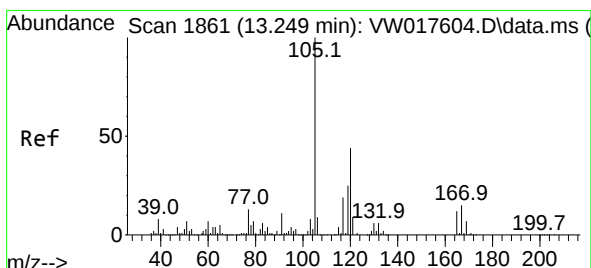
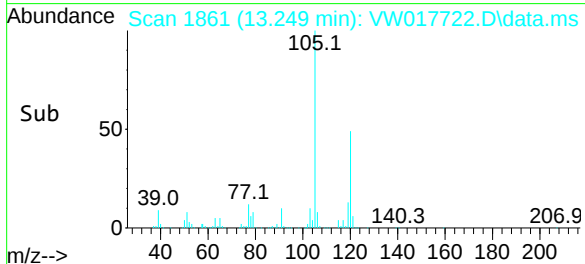
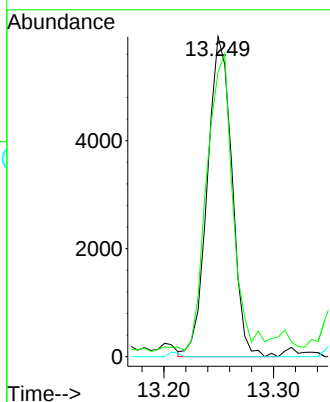
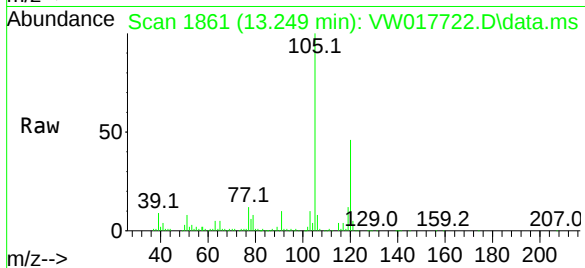




#83
tert-Butylbenzene
Concen: 2.19 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.042 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

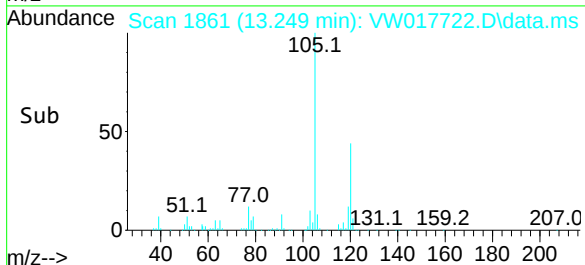
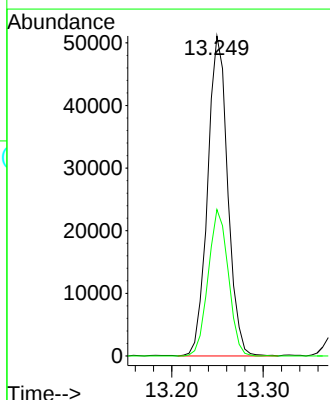
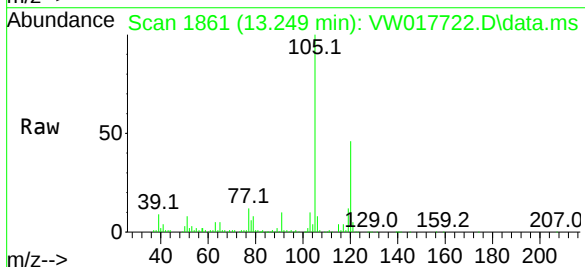
Instrument :
MSVOA_W
ClientSampleId :
OR-03-122320

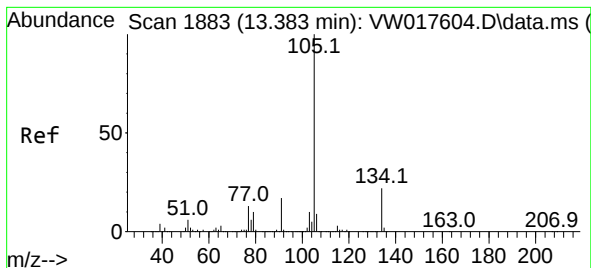
Tgt Ion:119 Resp: 9240
Ion Ratio Lower Upper
119 100
91 99.4 31.3 93.9#
134 0.0 14.0 42.0#



#84
1,2,4-Trimethylbenzene
Concen: 16.07 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

Tgt Ion:105 Resp: 77893
Ion Ratio Lower Upper
105 100
120 45.8 23.4 70.0

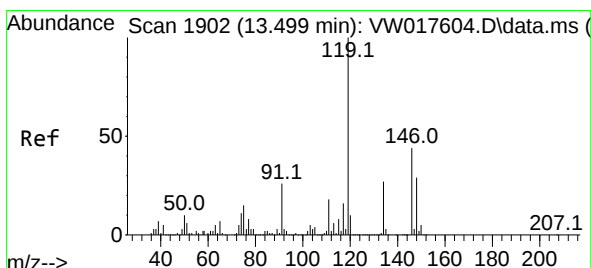
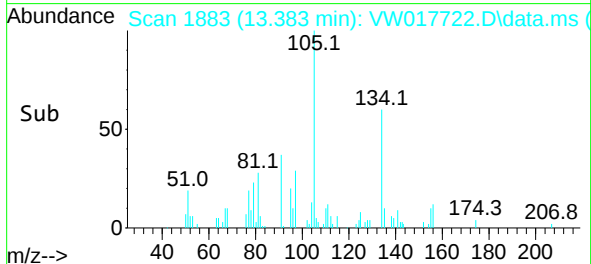
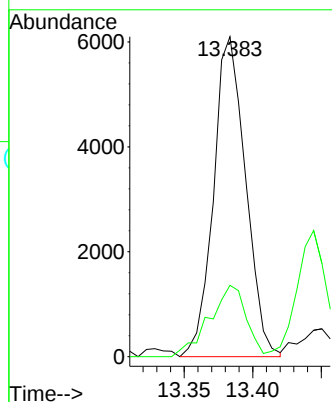
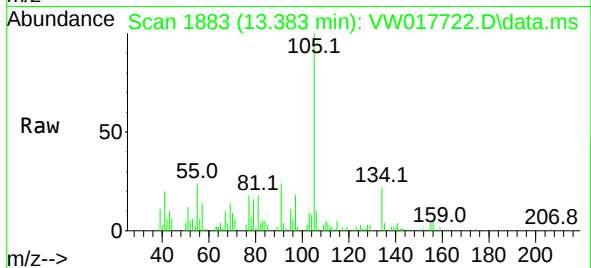




#85
 sec-Butylbenzene
 Concen: 1.68 ug/l
 RT: 13.383 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: VW017722.D
 Acq: 23 Dec 2020 19:27

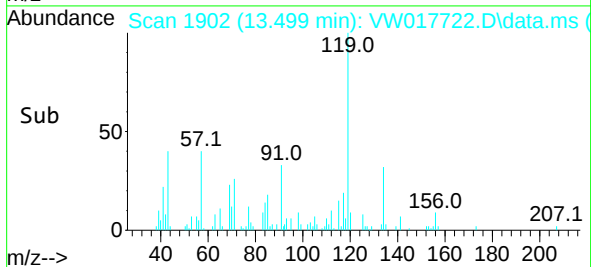
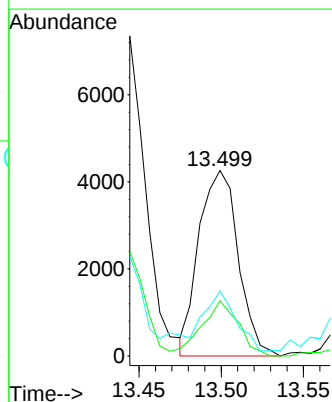
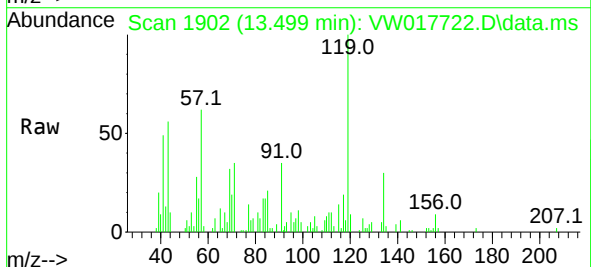
Instrument :
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 ClientSampled :
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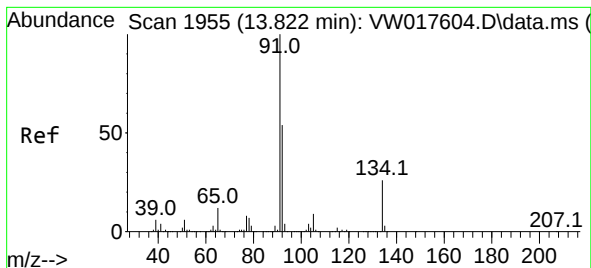
Tgt Ion:105 Resp: 9930
 Ion Ratio Lower Upper
 105 100
 134 25.5 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 1.33 ug/l
 RT: 13.499 min Scan# 1902
 Delta R.T. 0.000 min
 Lab File: VW017722.D
 Acq: 23 Dec 2020 19:27

Tgt Ion:119 Resp: 7083
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.8 41.3
 91 27.5 11.3 33.9

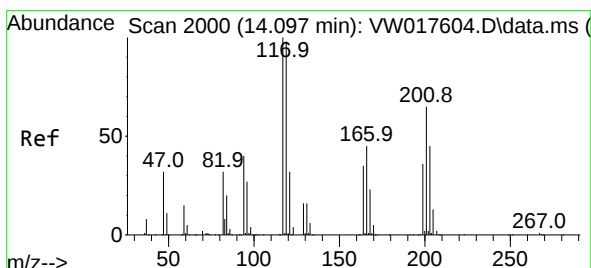
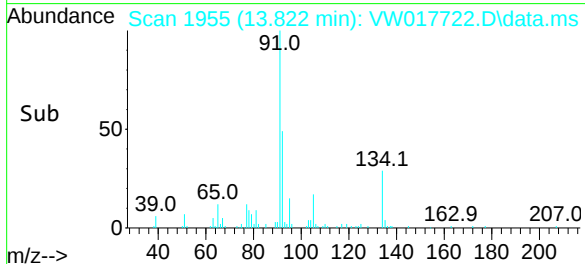
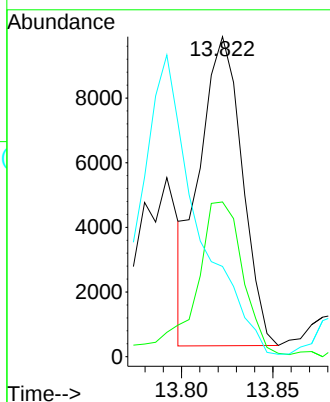
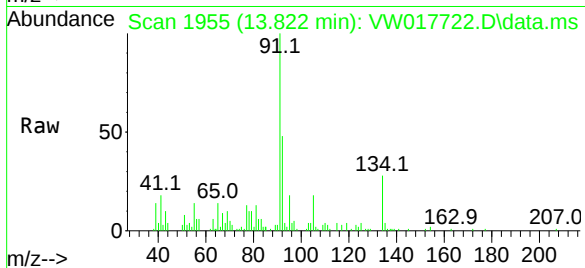




#89
n-Butylbenzene
Concen: 2.97 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

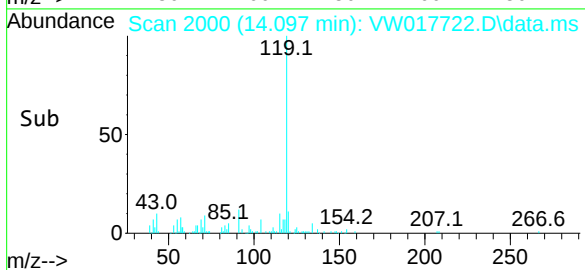
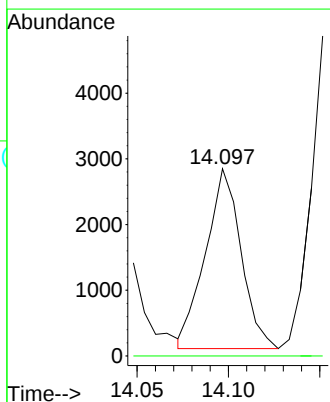
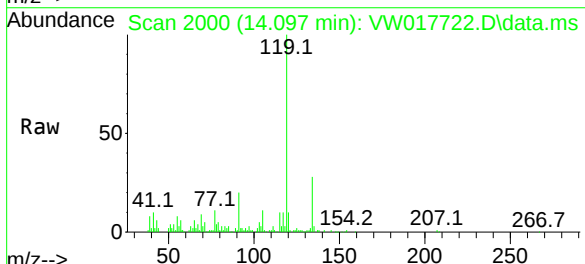
Instrument :
MSVOA_W
ClientSampleId :
OR-03-122320

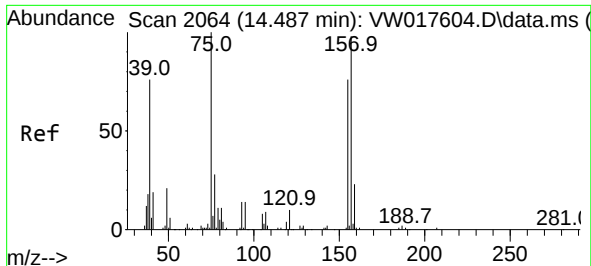
Tgt Ion:	91	Resp:	15560
Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.6	79.7
134	0.0	14.3	42.9#



#90
Hexachloroethane
Concen: 3.53 ug/l
RT: 14.097 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

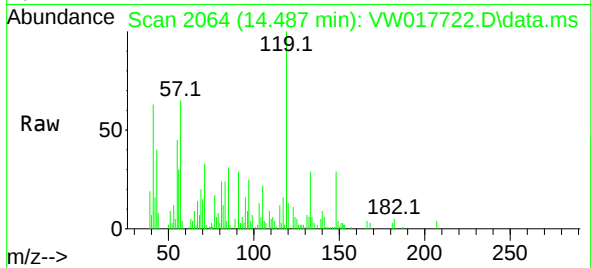
Tgt Ion:	117	Resp:	3707
Ion	Ratio	Lower	Upper
117	100		
201	0.0	41.9	125.7#



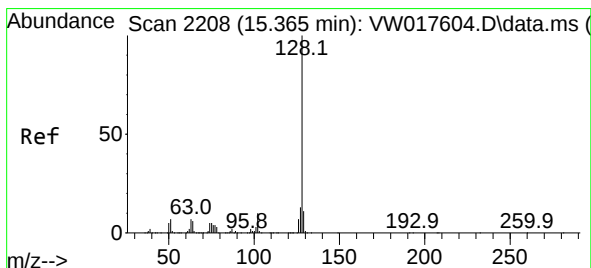
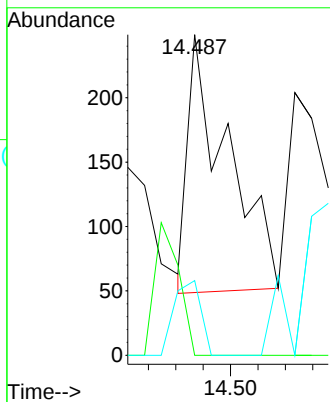
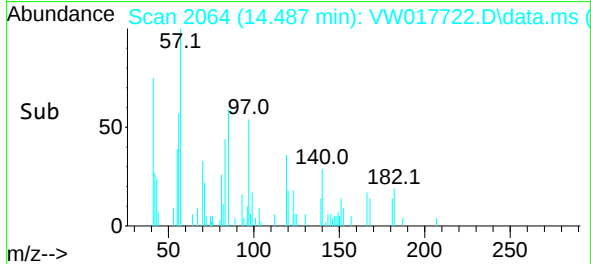


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.15 ug/l
RT: 14.487 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27

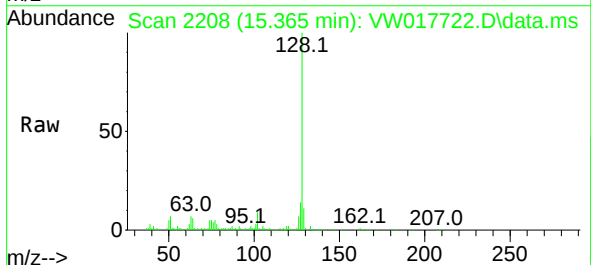
Instrument :
MSVOA_W
ClientSampleId :
OR-03-122320



Tgt Ion: 75 Resp: 203
Ion Ratio Lower Upper
75 100
155 31.0 47.6 142.8#
157 19.7 62.2 186.6#



#95
Naphthalene
Concen: 45.90 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017722.D
Acq: 23 Dec 2020 19:27



Tgt Ion: 128 Resp: 132561
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 10.9 8.6 12.8

