

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090721\
 Data File : VW019986.D
 Acq On : 07 Sep 2021 16:07
 Operator : SY/VA
 Sample : VW0907SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 08 12:27:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 08 12:18:21 2021
 Response via : Initial Calibration

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

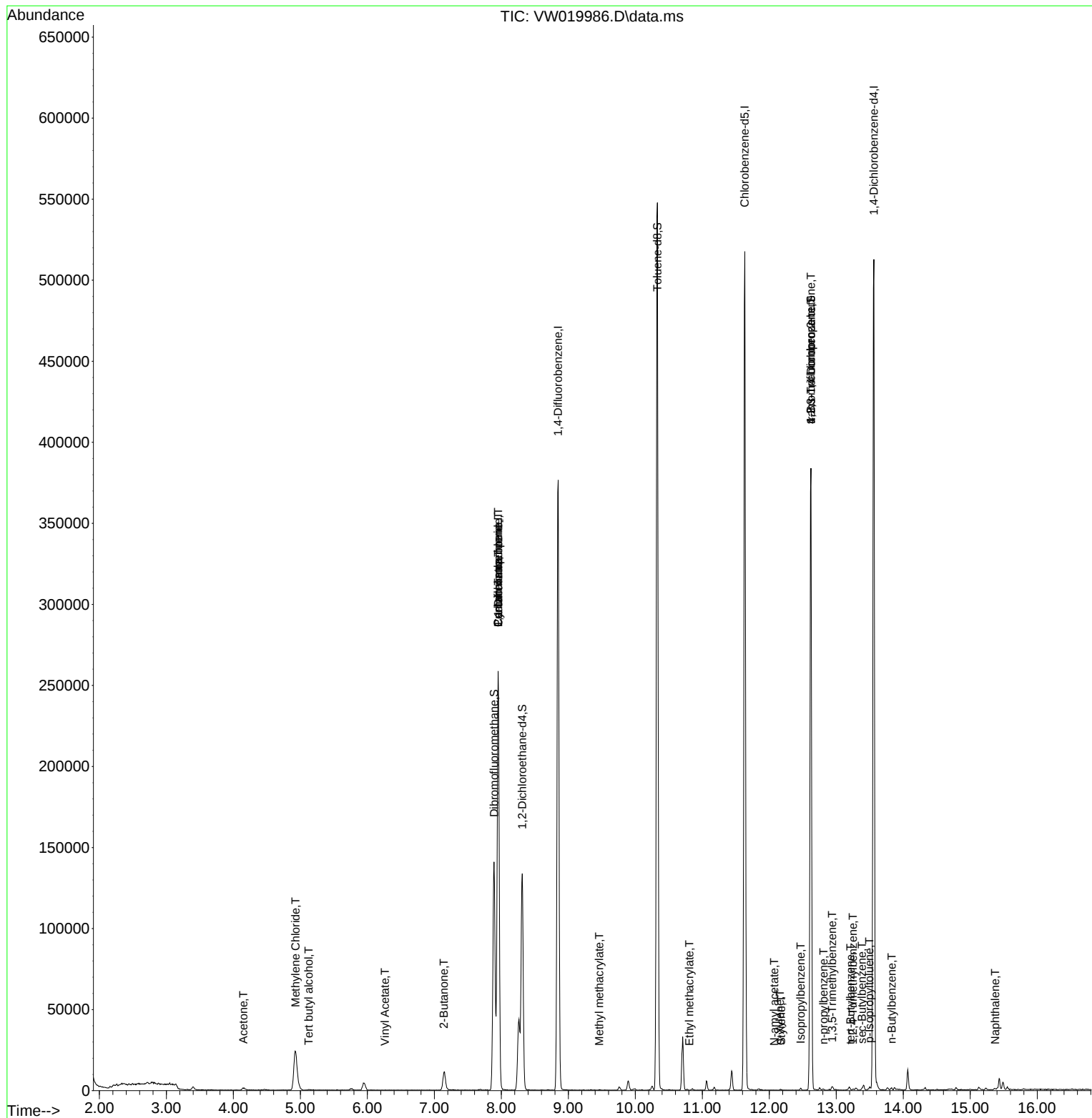
Internal Standards						
1) Pentafluorobenzene	7.952	168	181412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	313248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	282070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	129707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	108160	51.358	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.720%			
35) Dibromofluoromethane	7.891	113	98806	48.032	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.060%			
50) Toluene-d8	10.329	98	361040	47.214	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.420%			
62) 4-Bromofluorobenzene	12.621	95	122479	43.288	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.580%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.123	59	170	1.686	ug/l #	72
16) Acetone	4.147	43	2962	8.757	ug/l	99
20) Methylene Chloride	4.928	84	21188	6.167	ug/l	93
23) Vinyl Acetate	6.263	43	38	17.417	ug/l #	70
25) 2-Butanone	7.141	43	577	1.190	ug/l #	47
31) Cyclohexane	7.952	56	4442	1.294	ug/l #	23
36) 1,1-Dichloropropene	7.952	75	15476	4.696	ug/l #	49
38) Carbon Tetrachloride	7.952	117	18961	5.643	ug/l #	19
48) Methyl methacrylate	9.463	41	40	5.217	ug/l #	8
56) Ethyl methacrylate	10.805	69	25	4.067	ug/l #	25
69) o-Xylene	12.158	106	90	1.520	ug/l #	1
70) Styrene	12.176	104	140	1.711	ug/l #	48
73) Isopropylbenzene	12.469	105	394	2.215	ug/l	85
74) N-amyl acetate	12.073	43	42	3.920	ug/l #	41
76) 1,2,3-Trichloropropane	12.621	75	65536	54.394	ug/l #	100
78) n-propylbenzene	12.810	91	663	1.390	ug/l	98
80) 1,3,5-Trimethylbenzene	12.938	105	544	1.259	ug/l	83
81) trans-1,4-Dichloro-2-b...	12.621	75	65536	113.274	ug/l #	7
83) tert-Butylbenzene	13.213	119	406	2.147	ug/l #	80
84) 1,2,4-Trimethylbenzene	13.249	105	654	1.338	ug/l	76
85) sec-Butylbenzene	13.384	105	660	1.086	ug/l #	76
86) p-Isopropyltoluene	13.493	119	608	1.391	ug/l	96
89) n-Butylbenzene	13.829	91	874	1.398	ug/l	96
95) Naphthalene	15.371	128	1068	2.617	ug/l #	84

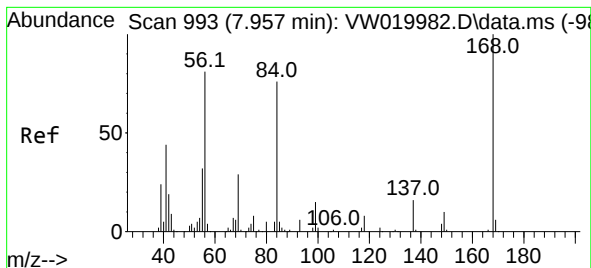
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

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Quant Time: Sep 08 12:27:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 08 12:18:21 2021
Response via : Initial Calibration

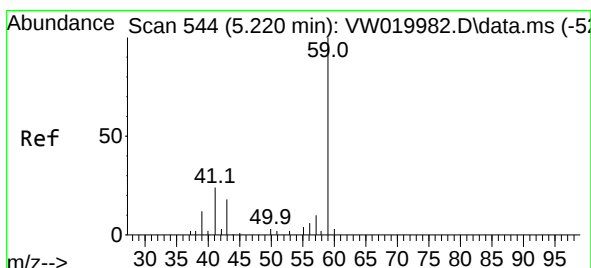
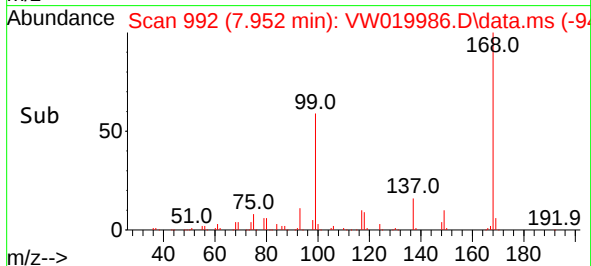
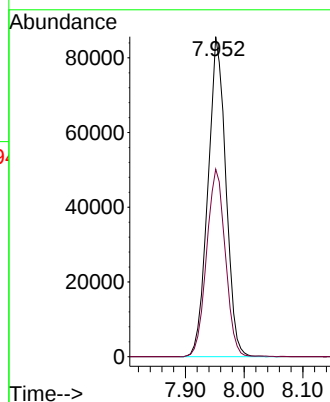
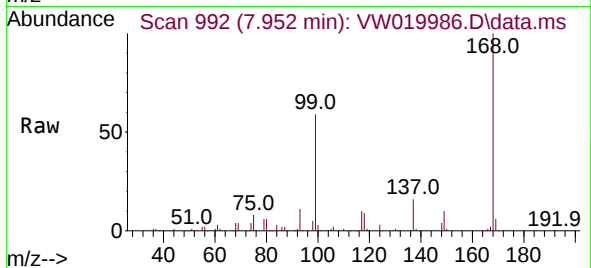




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.005 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

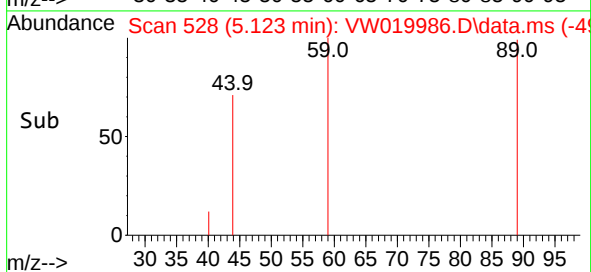
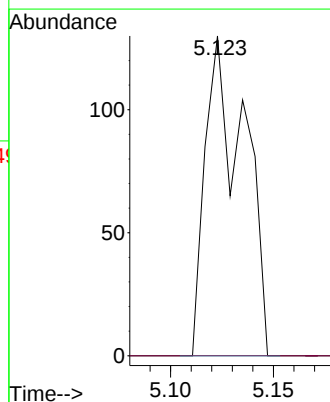
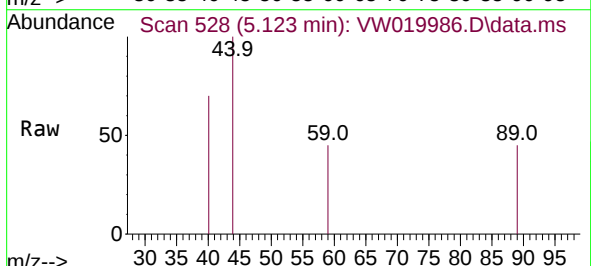
Instrument :
MSVOA_W
ClientSampled :

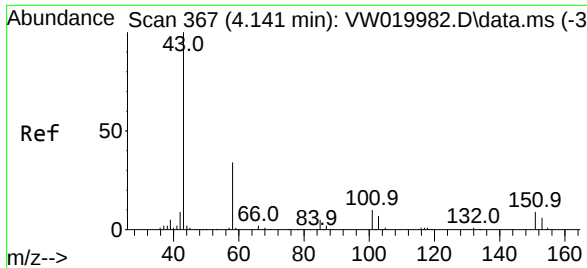
Tgt Ion:168 Resp: 181412
Ion Ratio Lower Upper
168 100
99 58.6 42.9 64.3



#11
Tert butyl alcohol
Concen: 1.686 ug/l
RT: 5.123 min Scan# 528
Delta R.T. -0.097 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

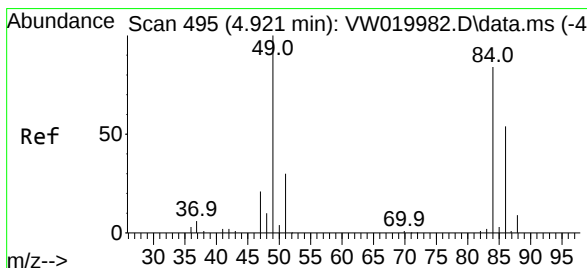
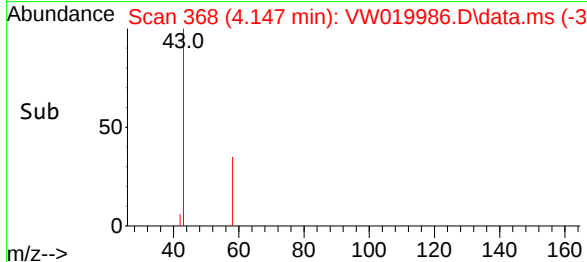
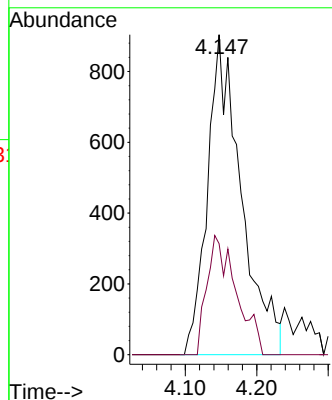
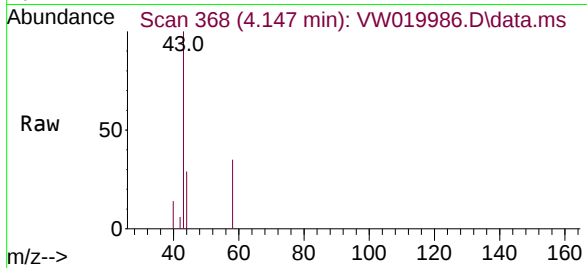




#16
Acetone
Concen: 8.757 ug/l
RT: 4.147 min Scan# 368
Delta R.T. 0.006 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

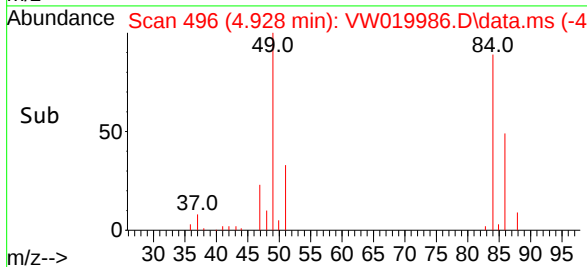
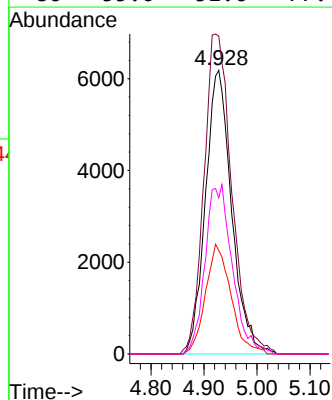
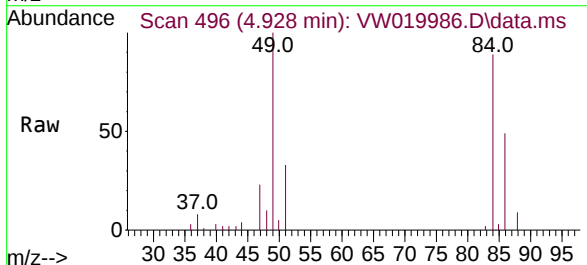
Instrument :
MSVOA_W
ClientSampled :

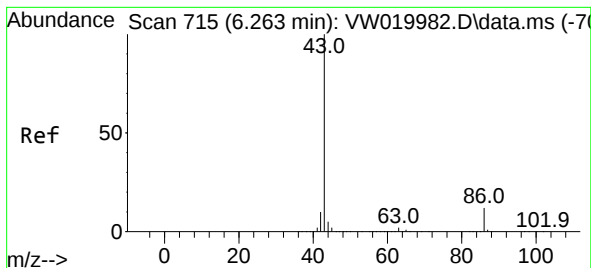
Tgt Ion: 43 Resp: 2962
Ion Ratio Lower Upper
43 100
58 34.7 27.2 40.8



#20
Methylene Chloride
Concen: 6.167 ug/l
RT: 4.928 min Scan# 496
Delta R.T. 0.007 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion: 84 Resp: 21188
Ion Ratio Lower Upper
84 100
49 112.1 95.4 143.0
51 36.5 28.9 43.3
86 55.0 51.6 77.4

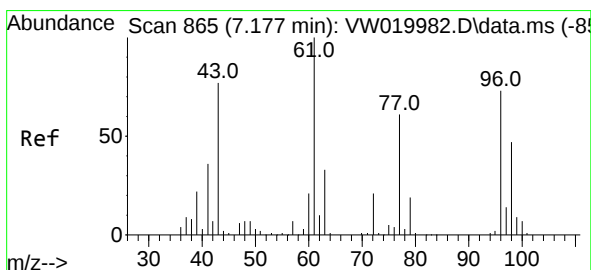
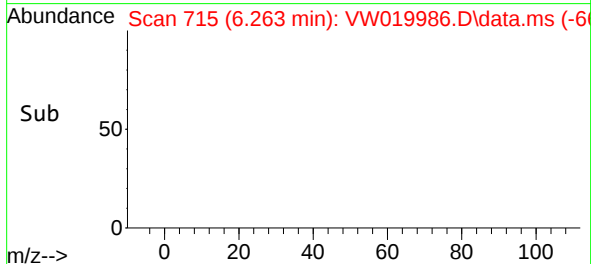
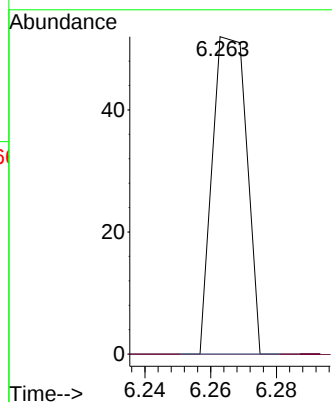
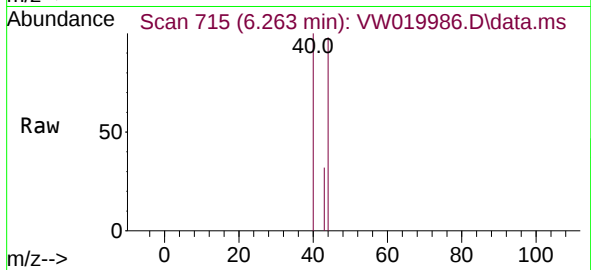




#23
 Vinyl Acetate
 Concen: 17.417 ug/l
 RT: 6.263 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VW019986.D
 Acq: 07 Sep 2021 16:07

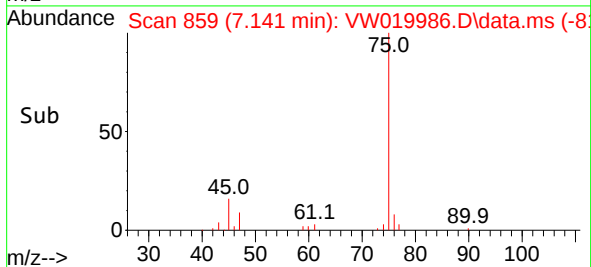
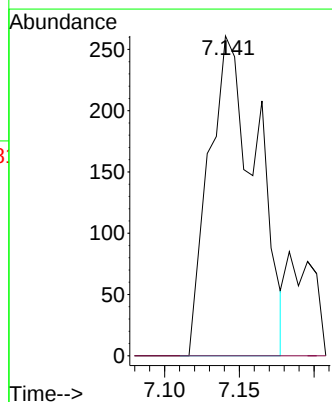
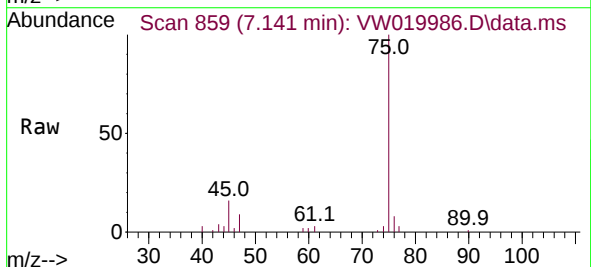
Instrument :
 MSVOA_W
 ClientSampled :

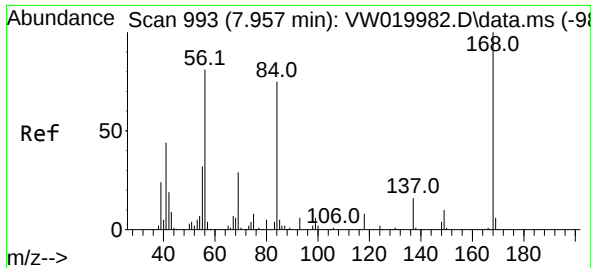
Tgt Ion: 43 Resp: 38
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.3 13.9#



#25
 2-Butanone
 Concen: 1.190 ug/l
 RT: 7.141 min Scan# 859
 Delta R.T. -0.036 min
 Lab File: VW019986.D
 Acq: 07 Sep 2021 16:07

Tgt Ion: 43 Resp: 577
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.9 32.9#

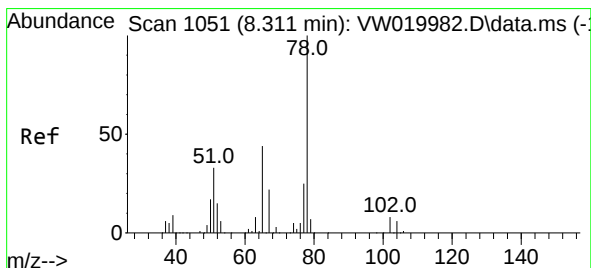
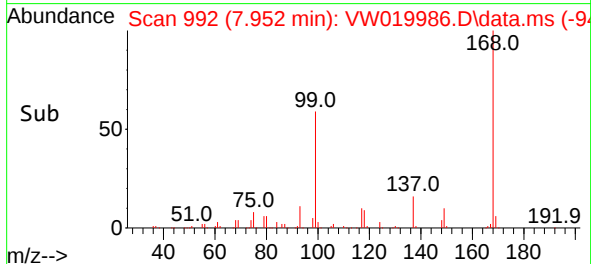
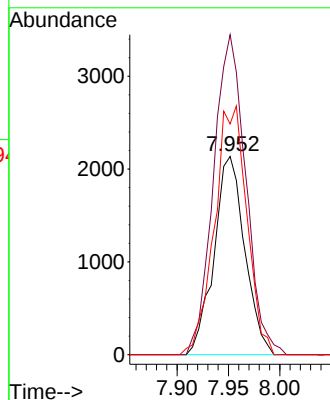
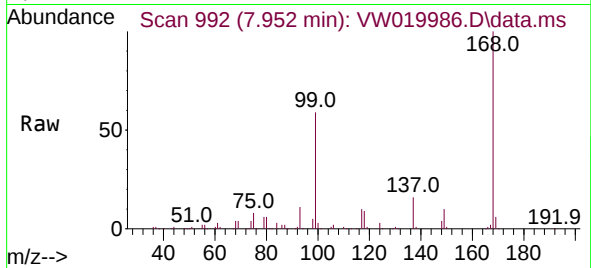




#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

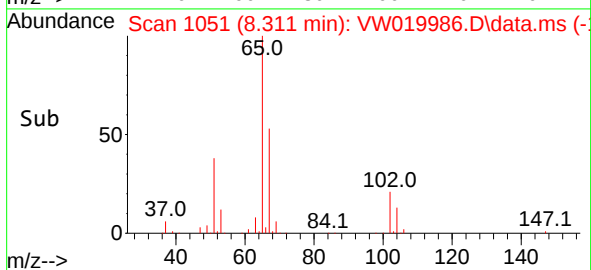
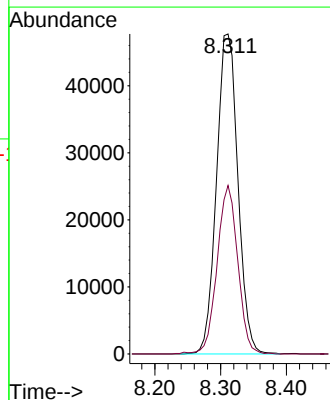
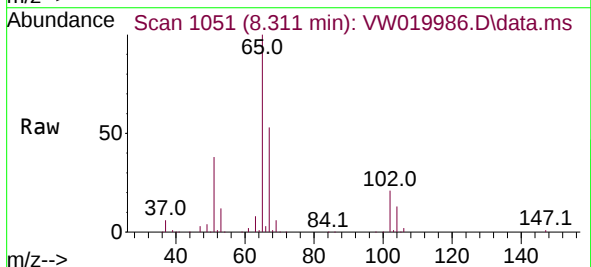
Instrument :
MSVOA_W
ClientSampled :

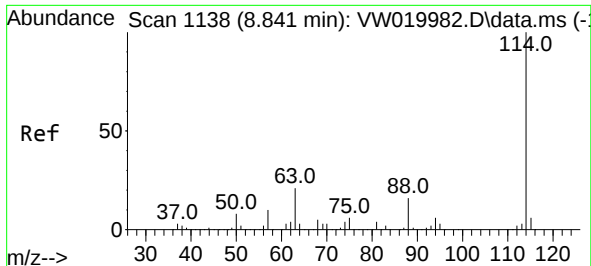
Tgt Ion: 56 Resp: 4442
Ion Ratio Lower Upper
56 100
69 161.3 28.6 42.8#
84 116.4 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 51.358 ug/l
RT: 8.311 min Scan# 1051
Delta R.T. 0.000 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion: 65 Resp: 108160
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.2

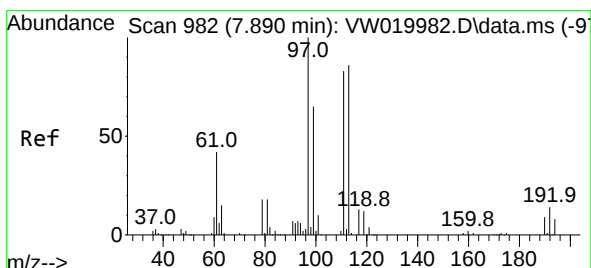
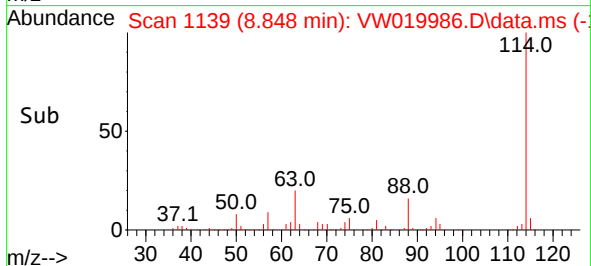
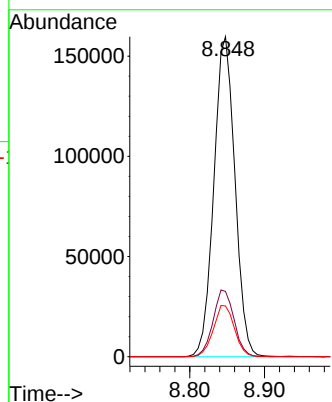
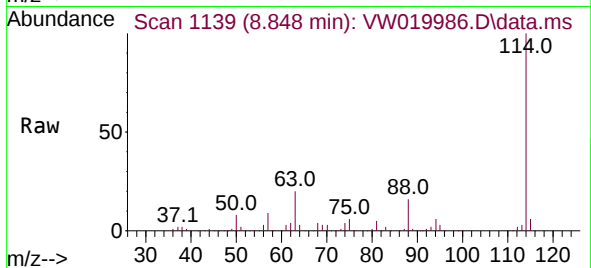




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.848 min Scan# 1139
Delta R.T. 0.007 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

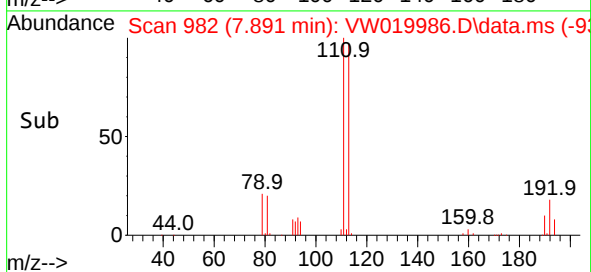
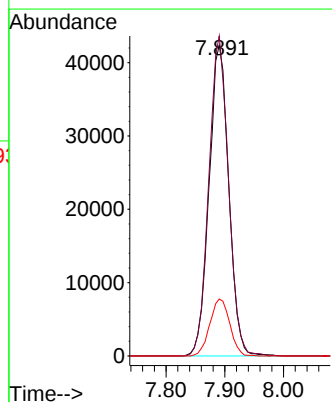
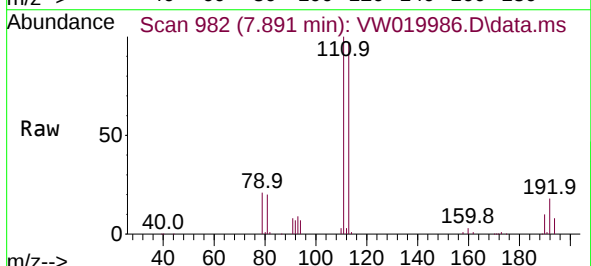
Instrument :
MSVOA_W
ClientSampled :

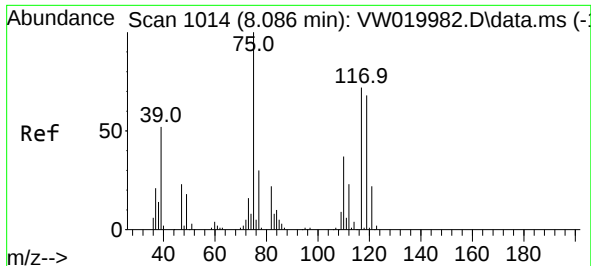
Tgt Ion:114 Resp: 313248
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.032 ug/l
RT: 7.891 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion:113 Resp: 98806
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 18.5 14.6 22.0





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.952 min Scan# 992

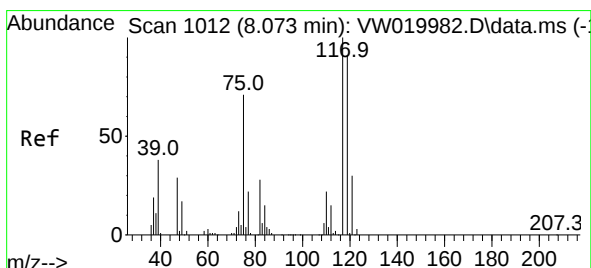
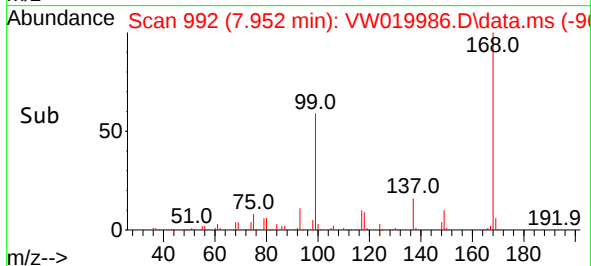
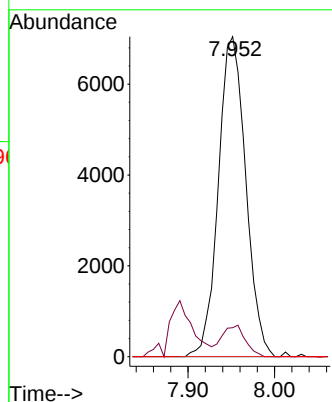
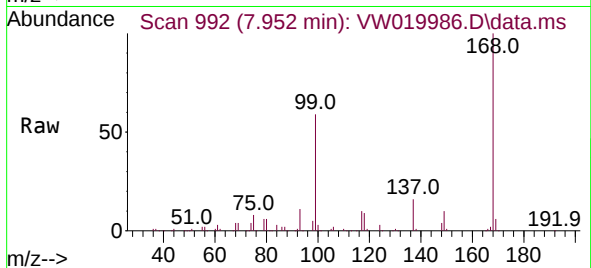
Delta R.T. -0.134 min

Lab File: VW019986.D

Acq: 07 Sep 2021 16:07

Tgt Ion:	75	Resp:	15476
Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.4	52.3#
77	0.0	24.8	37.2#

Instrument :
MSVOA_W
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.643 ug/l

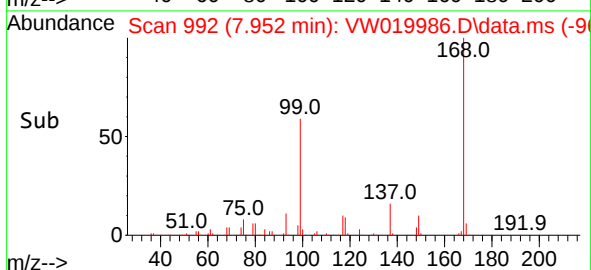
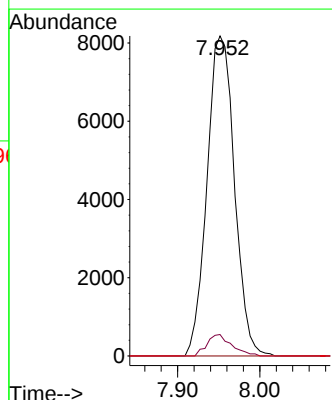
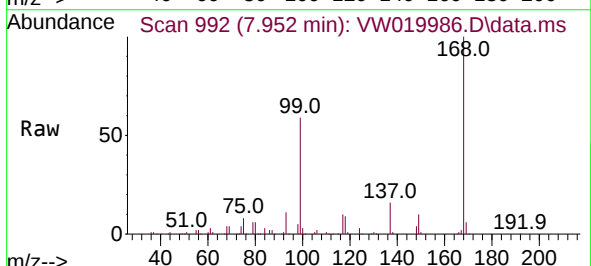
RT: 7.952 min Scan# 992

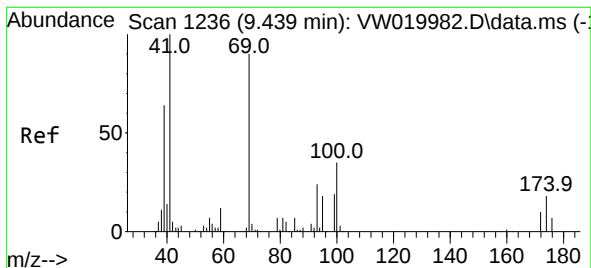
Delta R.T. -0.122 min

Lab File: VW019986.D

Acq: 07 Sep 2021 16:07

Tgt Ion:	117	Resp:	18961
Ion	Ratio	Lower	Upper
117	100		
119	6.7	73.0	109.4#
121	0.0	23.9	35.9#

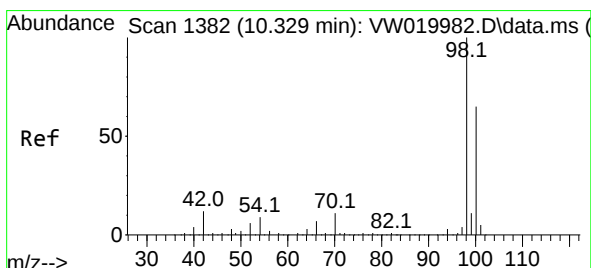
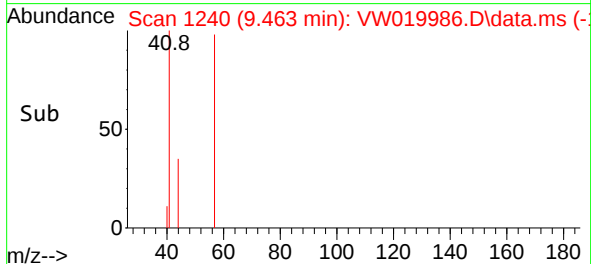
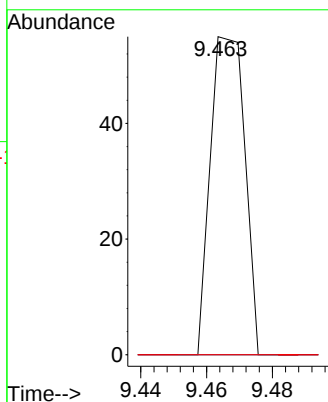
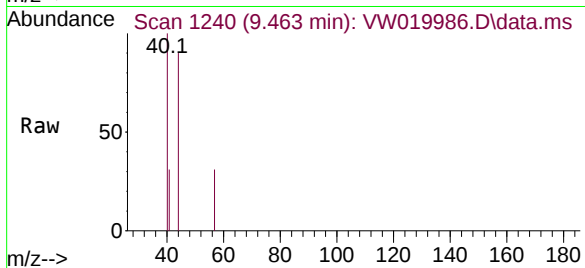




#48
Methyl methacrylate
Concen: 5.217 ug/l
RT: 9.463 min Scan# 1240
Delta R.T. 0.024 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

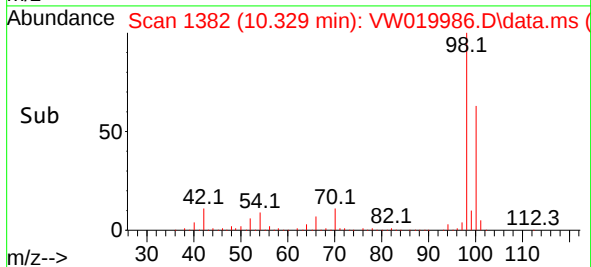
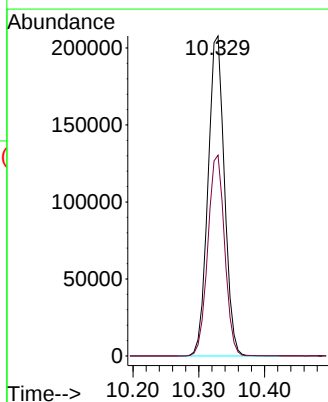
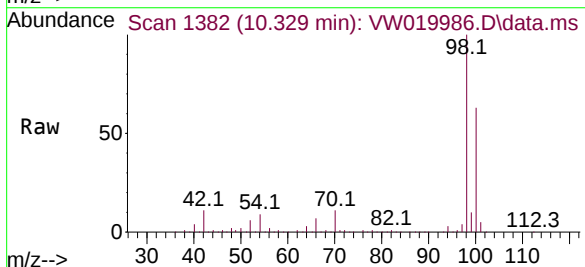
Instrument :
MSVOA_W
ClientSampled :

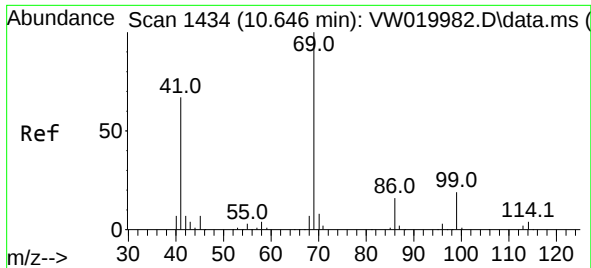
Tgt Ion: 41 Resp: 40
Ion Ratio Lower Upper
41 100
69 0.0 76.7 115.1#
39 0.0 51.4 77.0#



#50
Toluene-d8
Concen: 47.214 ug/l
RT: 10.329 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion: 98 Resp: 361040
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

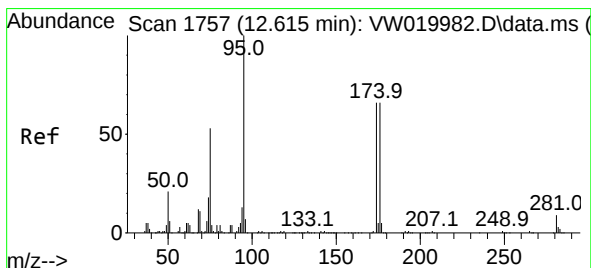
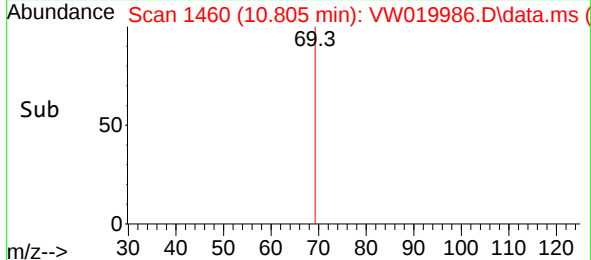
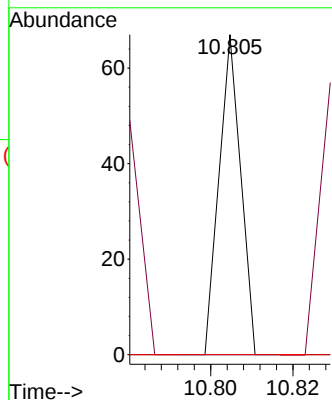
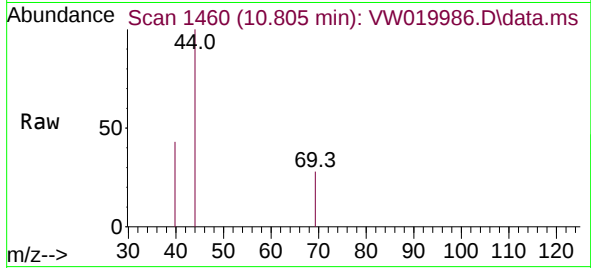




#56
Ethyl methacrylate
Concen: 4.067 ug/l
RT: 10.805 min Scan# 1460
Delta R.T. 0.159 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

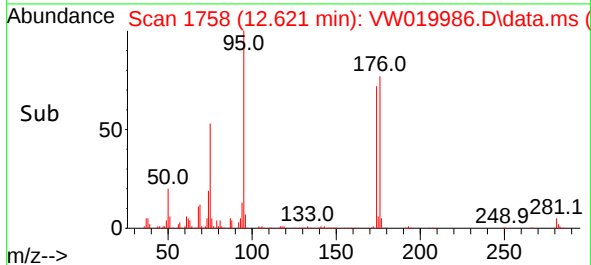
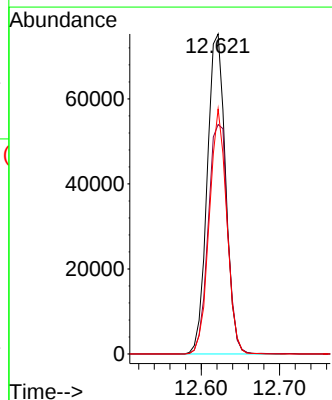
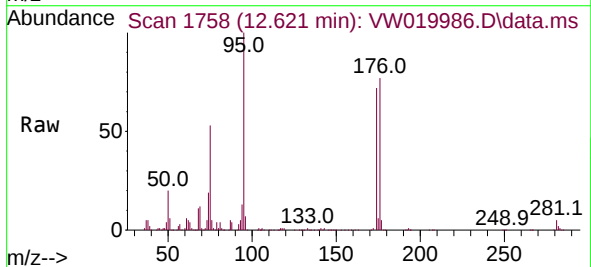
Instrument :
MSVOA_W
ClientSampled :

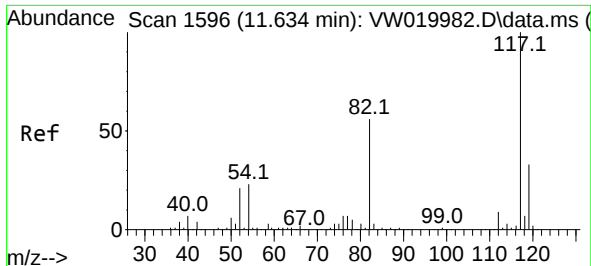
Tgt Ion: 69 Resp: 25
Ion Ratio Lower Upper
69 100
41 0.0 50.6 76.0#
39 0.0 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 43.288 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.006 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion: 95 Resp: 122479
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.2
176 72.6 0.0 146.4

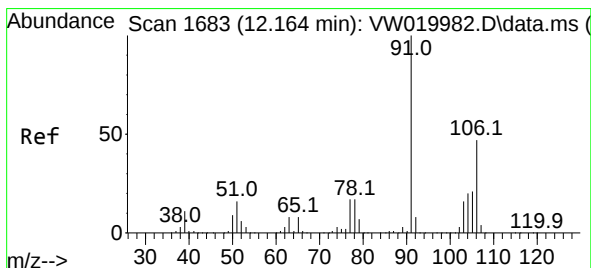
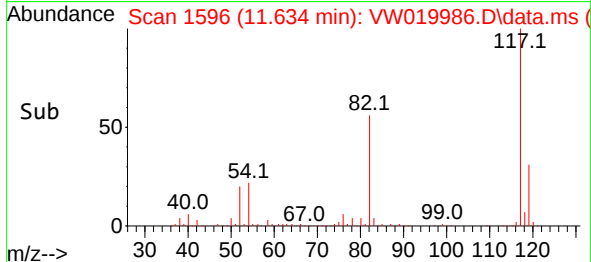
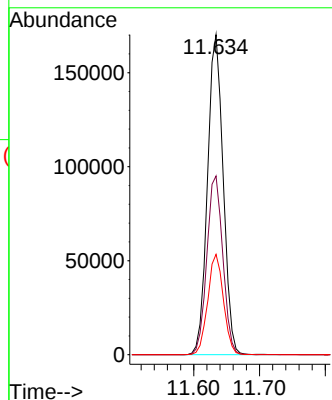
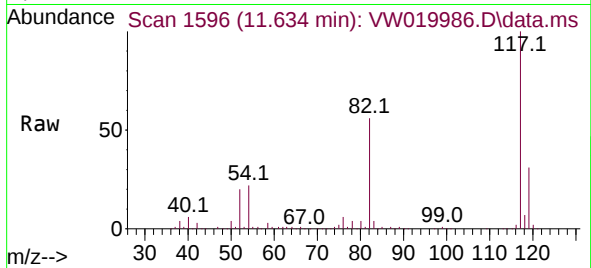




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

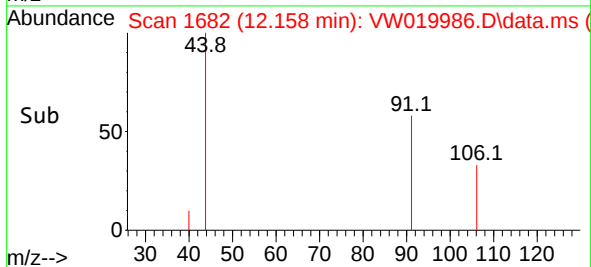
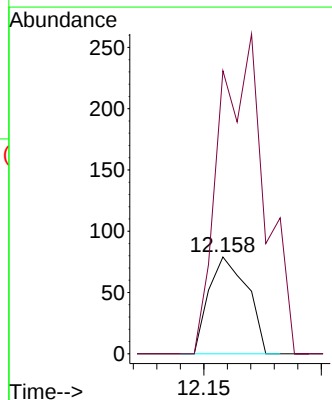
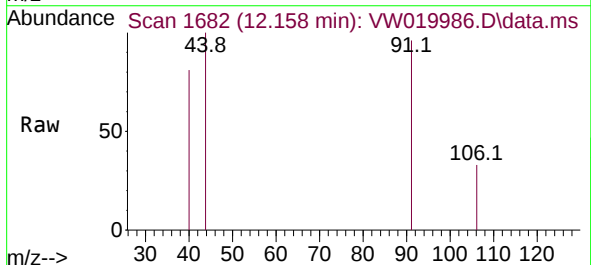
Instrument :
MSVOA_W
ClientSampleId :

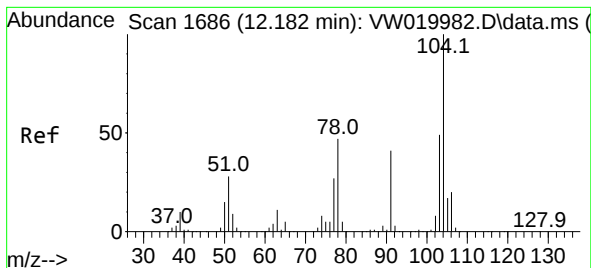
Tgt Ion:117 Resp: 282070
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 31.4 26.2 39.2



#69
o-Xylene
Concen: 1.520 ug/l
RT: 12.158 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion:106 Resp: 90
Ion Ratio Lower Upper
106 100
91 387.8 109.2 327.6#





#70

Styrene

Concen: 1.711 ug/l

RT: 12.176 min Scan# 1685

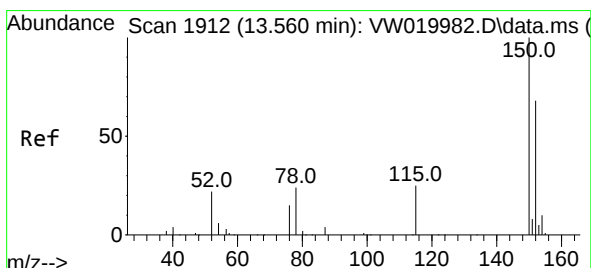
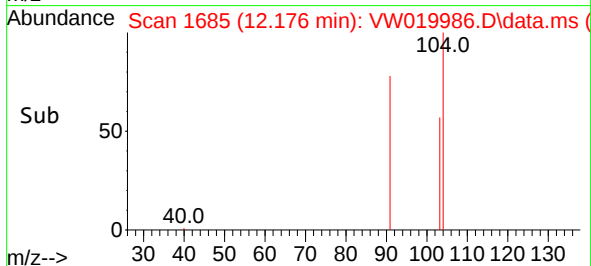
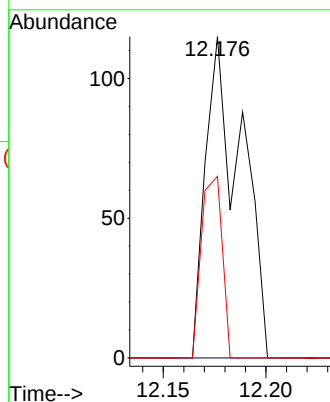
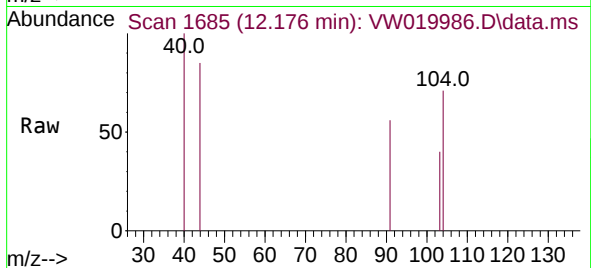
Delta R.T. -0.006 min

Lab File: VW019986.D

Acq: 07 Sep 2021 16:07

Tgt Ion:104	Resp:	140
Ion Ratio	Lower	Upper
104	100	
78	0.0	42.6 63.8#
103	32.9	43.8 65.6#

Instrument :
MSVOA_W
ClientSampled :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

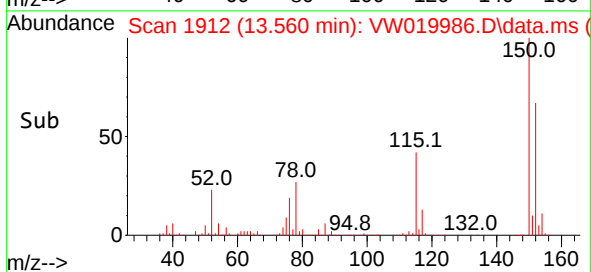
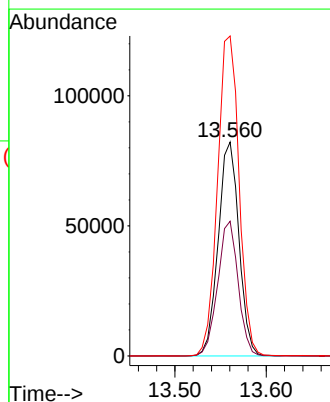
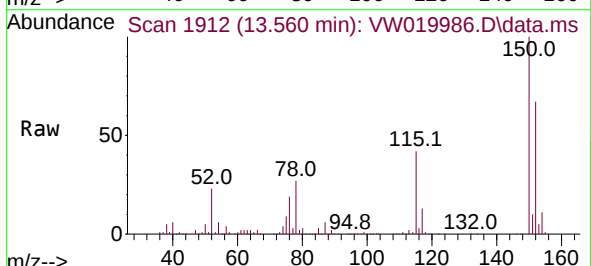
RT: 13.560 min Scan# 1912

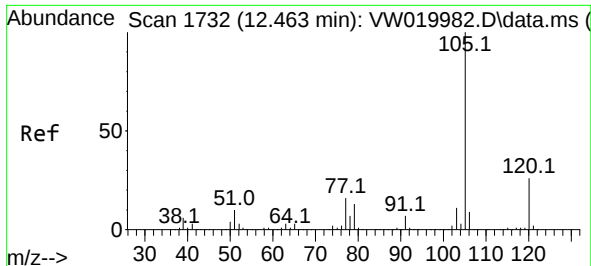
Delta R.T. 0.000 min

Lab File: VW019986.D

Acq: 07 Sep 2021 16:07

Tgt Ion:152	Resp:	129707
Ion Ratio	Lower	Upper
152	100	
115	62.2	30.8 92.3
150	155.3	0.0 359.2

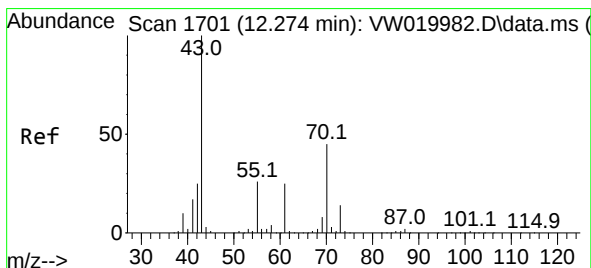
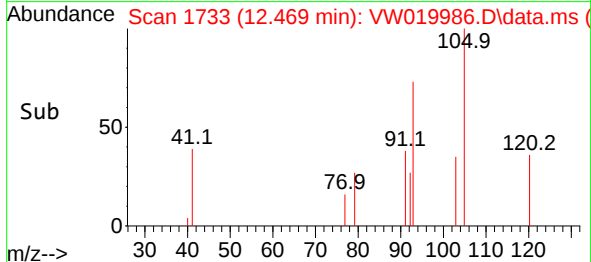
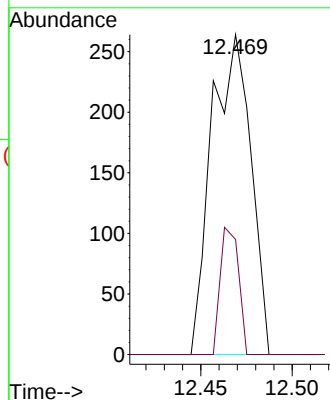
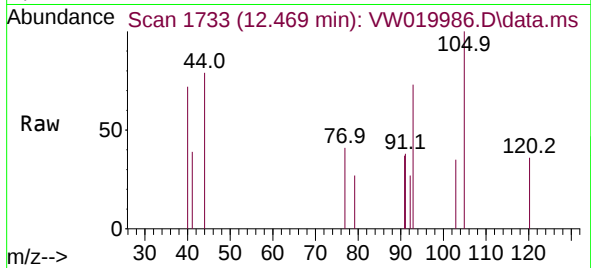




#73
Isopropylbenzene
Concen: 2.215 ug/l
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

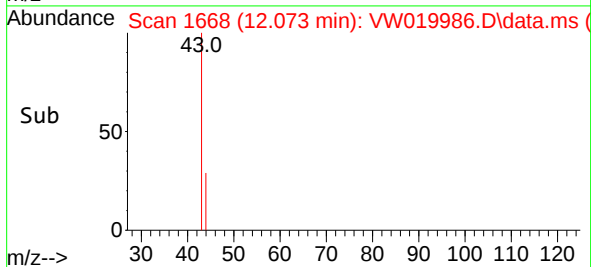
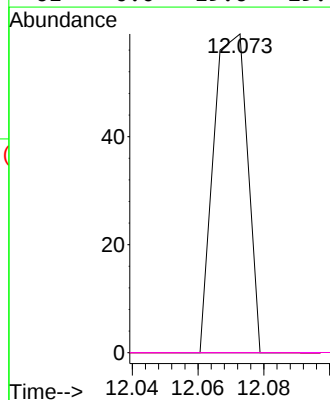
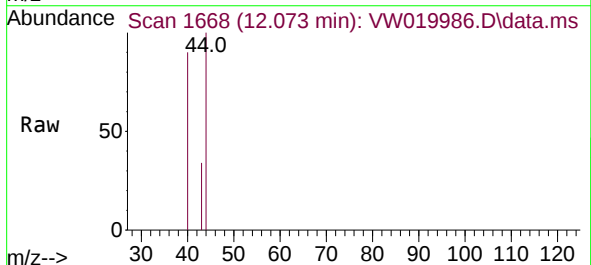
Instrument :
MSVOA_W
ClientSampled :

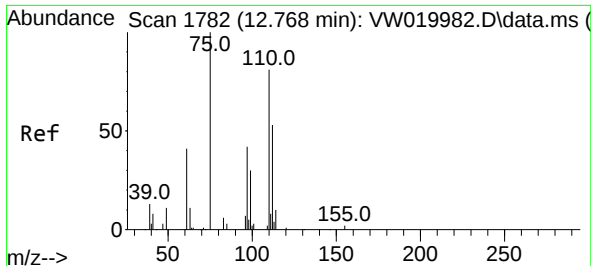
Tgt Ion:105 Resp: 394
Ion Ratio Lower Upper
105 100
120 18.5 13.0 39.0



#74
N-ethyl acetate
Concen: 3.920 ug/l
RT: 12.073 min Scan# 1668
Delta R.T. -0.201 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
70 0.0 35.1 52.7#
55 0.0 21.4 32.2#
61 0.0 19.6 29.4#

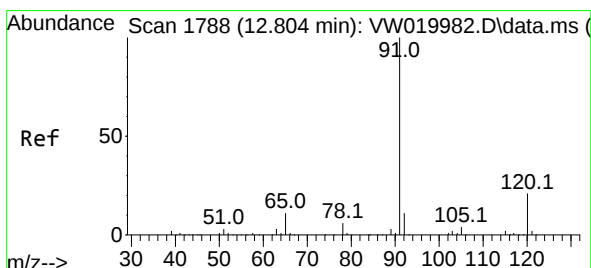
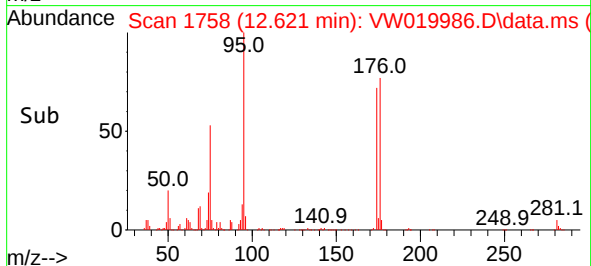
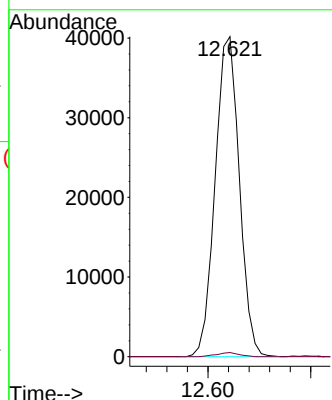
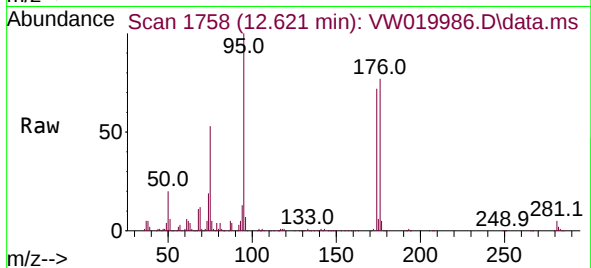




#76
1,2,3-Trichloropropane
Concen: 54.394 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.146 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

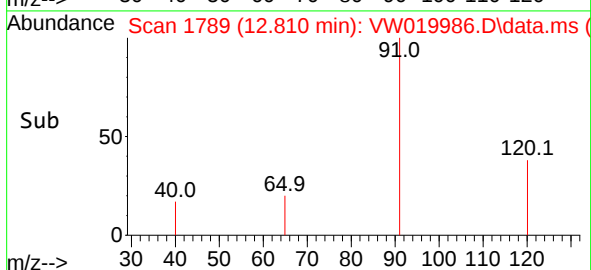
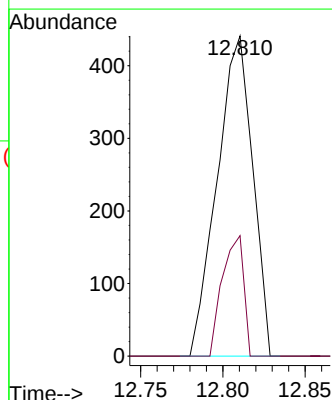
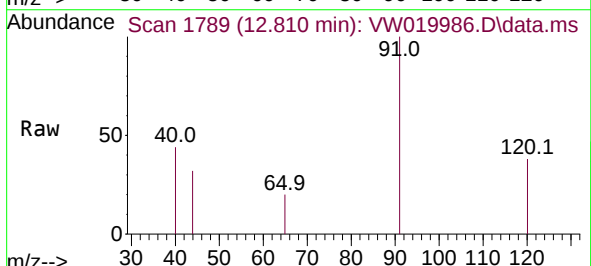
Instrument :
MSVOA_W
ClientSampled :

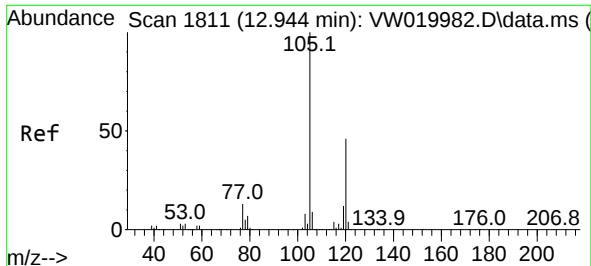
Tgt Ion: 75 Resp: 65536
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#78
n-propylbenzene
Concen: 1.390 ug/l
RT: 12.810 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion: 91 Resp: 663
Ion Ratio Lower Upper
91 100
120 22.6 10.9 32.7

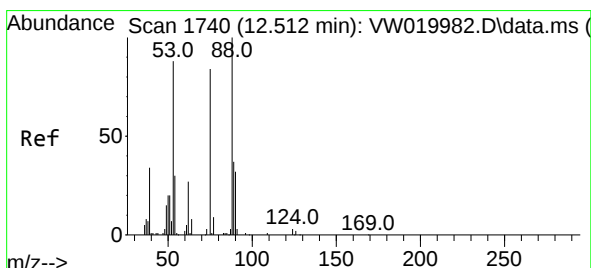
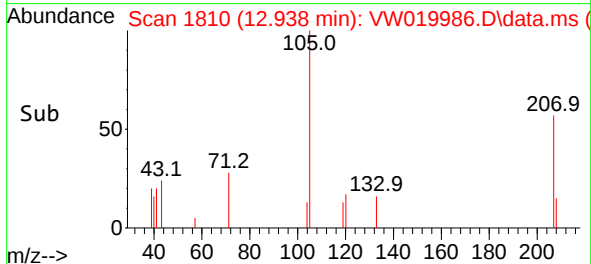
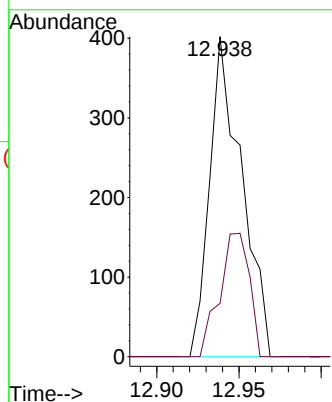
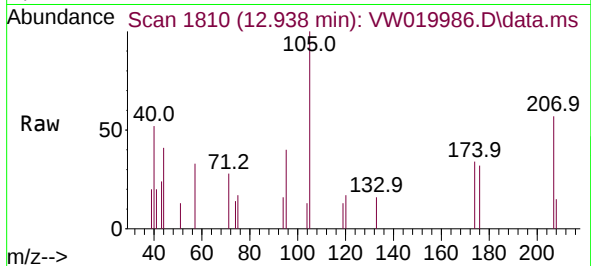




#80
1,3,5-Trimethylbenzene
Concen: 1.259 ug/l
RT: 12.938 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

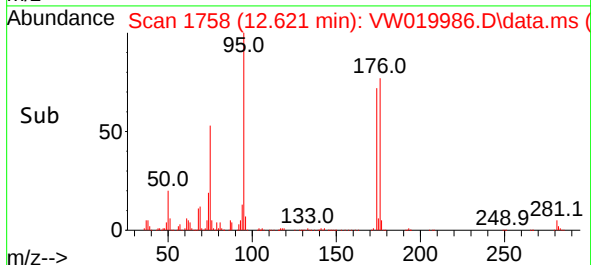
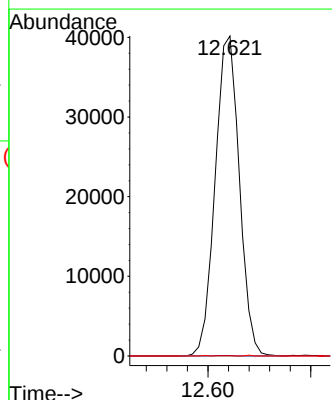
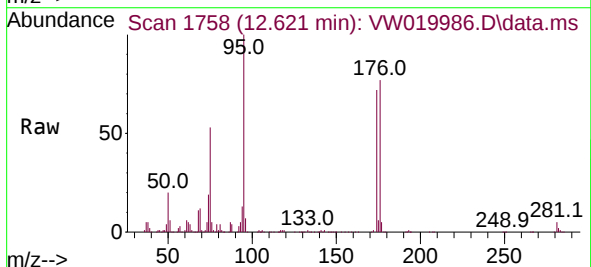
Instrument :
MSVOA_W
ClientSampled :

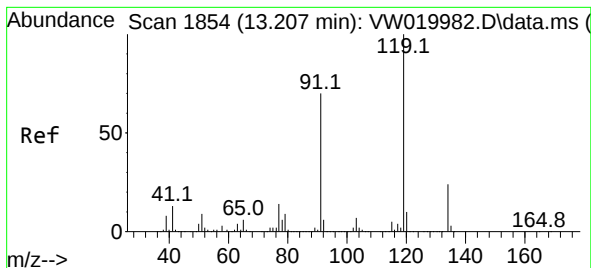
Tgt Ion:105 Resp: 544
Ion Ratio Lower Upper
105 100
120 35.8 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 113.274 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.109 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

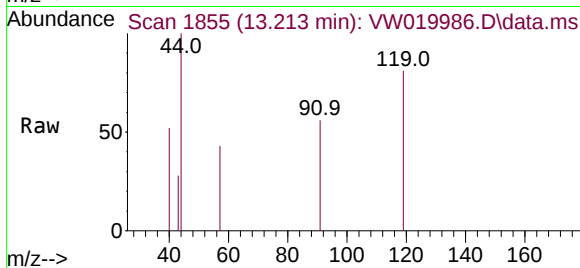
Tgt Ion: 75 Resp: 65536
Ion Ratio Lower Upper
75 100
53 0.1 86.1 129.1#
89 0.0 37.7 56.5#



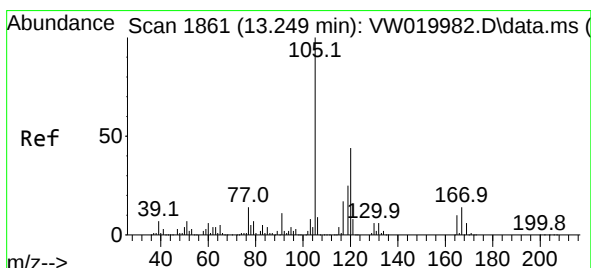
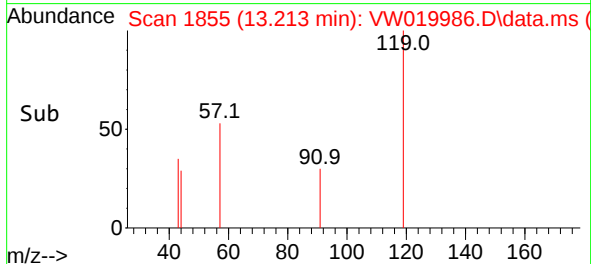
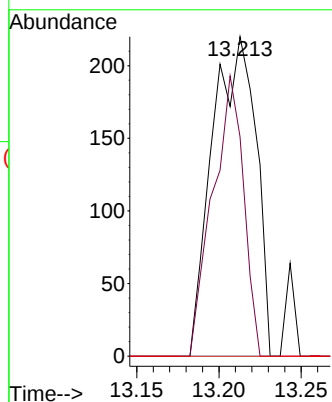


#83
tert-Butylbenzene
Concen: 2.147 ug/l
RT: 13.213 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Instrument :
MSVOA_W
ClientSampled :

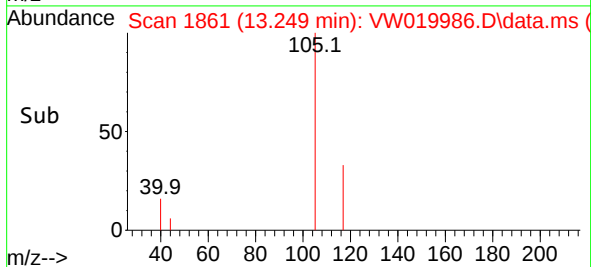
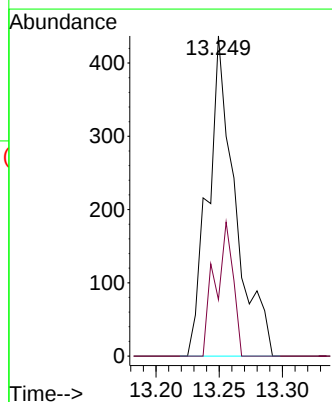
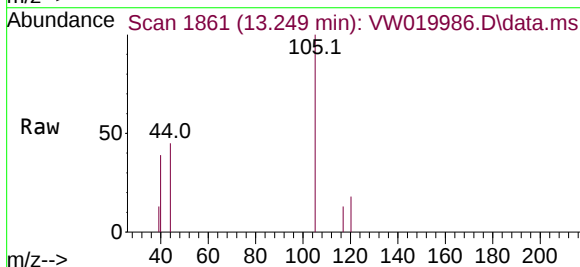


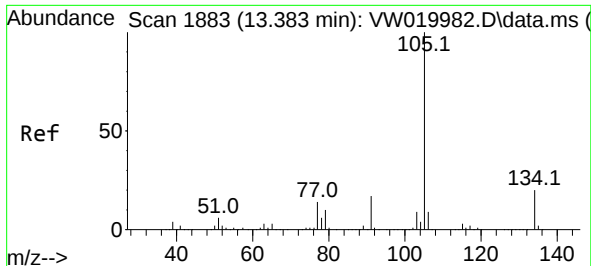
Tgt Ion:119 Resp: 406
Ion Ratio Lower Upper
119 100
91 62.1 35.0 105.0
134 0.0 12.4 37.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.338 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion:105 Resp: 654
Ion Ratio Lower Upper
105 100
120 27.4 21.4 64.3

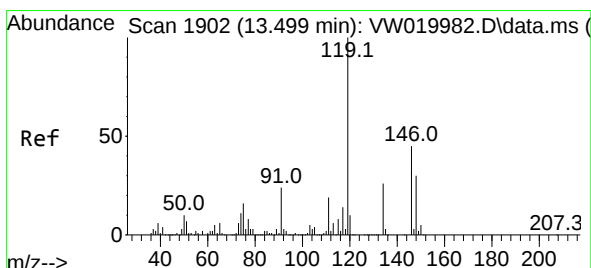
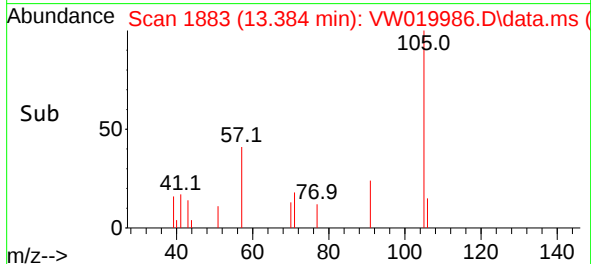
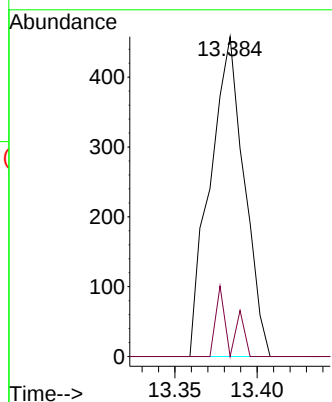
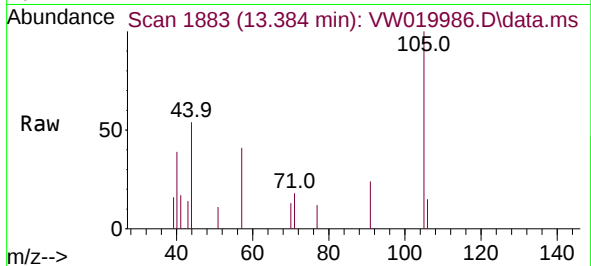




#85
sec-Butylbenzene
Concen: 1.086 ug/l
RT: 13.384 min Scan# 1883
Delta R.T. 0.001 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

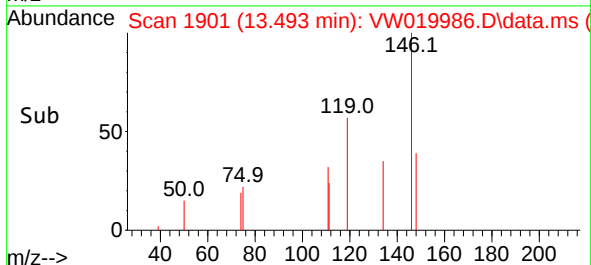
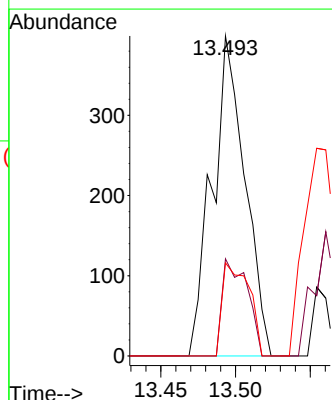
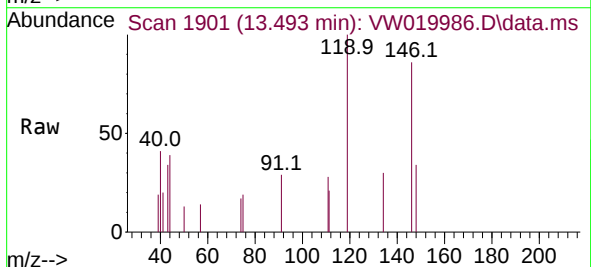
Instrument :
MSVOA_W
ClientSampled :

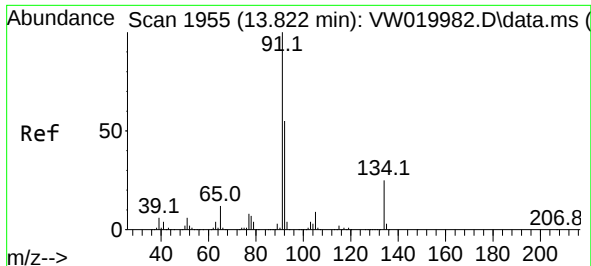
Tgt Ion:105 Resp: 660
Ion Ratio Lower Upper
105 100
134 9.2 10.1 30.1#



#86
p-Isopropyltoluene
Concen: 1.391 ug/l
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW019986.D
Acq: 07 Sep 2021 16:07

Tgt Ion:119 Resp: 608
Ion Ratio Lower Upper
119 100
134 23.0 12.8 38.4
91 23.7 12.4 37.0





#89

n-Butylbenzene

Concen: 1.398 ug/l

RT: 13.829 min Scan# 1956

Delta R.T. 0.007 min

Lab File: VW019986.D

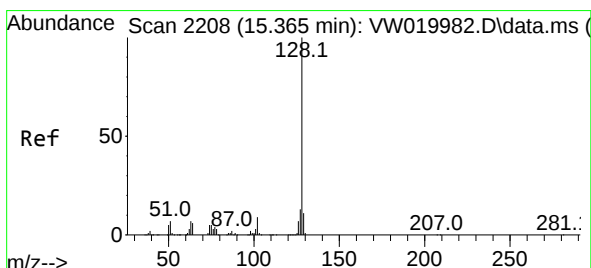
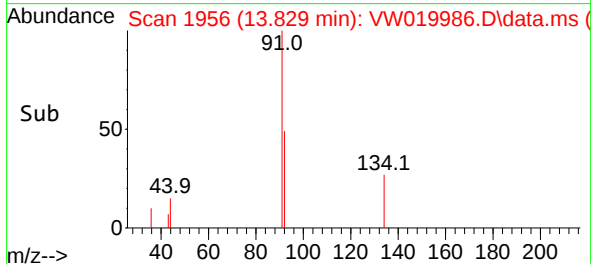
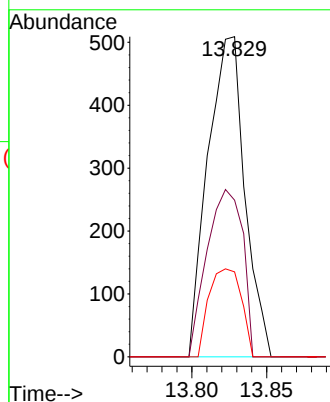
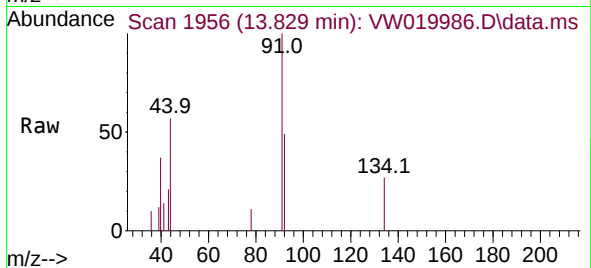
Acq: 07 Sep 2021 16:07

Instrument :

MSVOA_W

ClientSampled :

Tgt Ion: 91	Resp:	874
Ion	Ratio	Lower Upper
91	100	
92	50.5	27.1 81.3
134	24.1	12.4 37.2



#95

Naphthalene

Concen: 2.617 ug/l

RT: 15.371 min Scan# 2209

Delta R.T. 0.006 min

Lab File: VW019986.D

Acq: 07 Sep 2021 16:07

Tgt Ion: 128	Resp:	1068
Ion	Ratio	Lower Upper
128	100	
127	10.6	10.4 15.6
129	0.0	8.7 13.1#

