

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090821\
 Data File : VW019995.D
 Acq On : 08 Sep 2021 10:27
 Operator : SY/VA
 Sample : VW0908SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBL01

Quant Time: Sep 09 04:08:16 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)

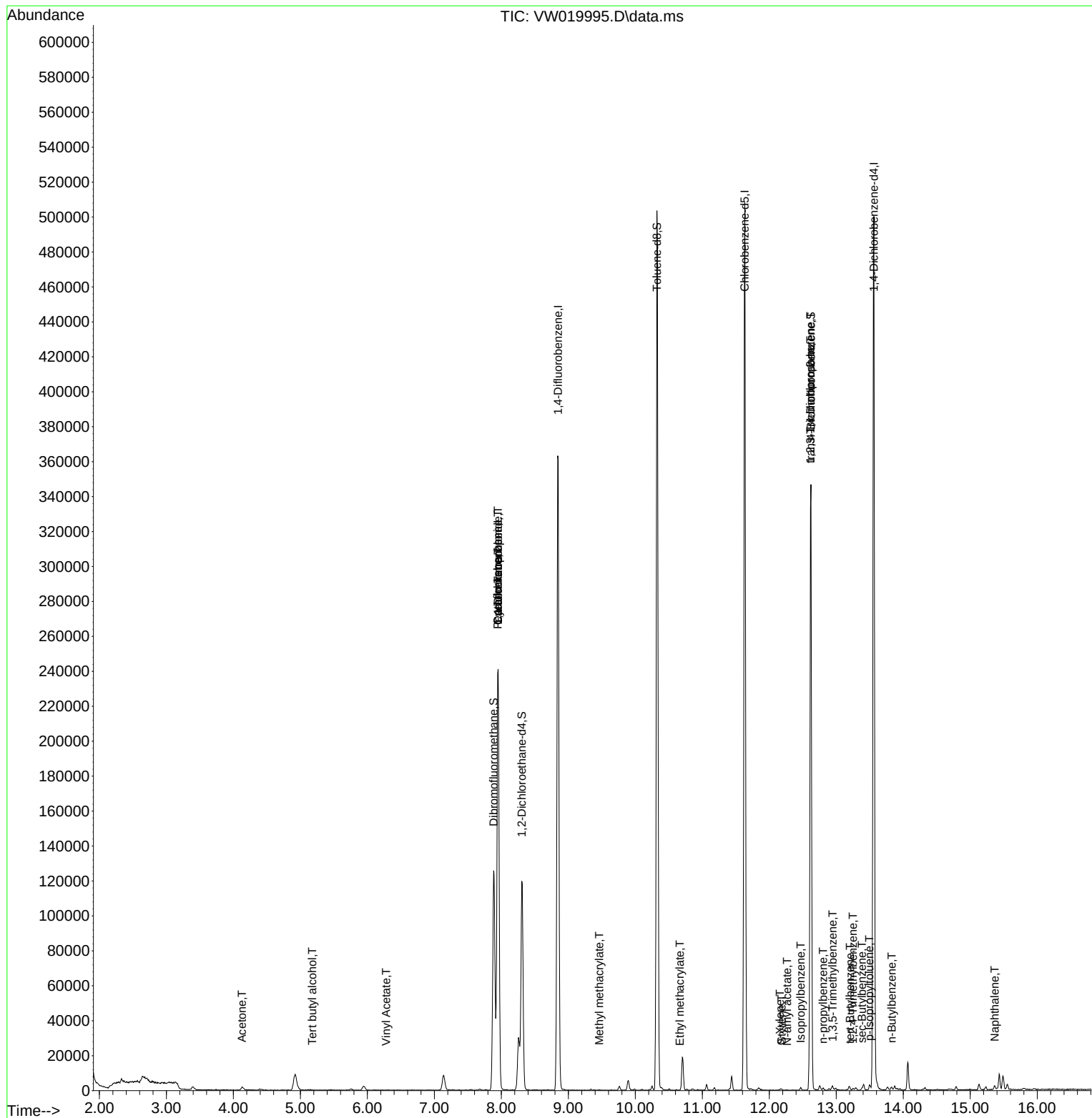
Internal Standards						
1) Pentafluorobenzene	7.946	168	174947	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.848	114	302798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	274818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	128178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	96460	47.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.000%
35) Dibromofluoromethane	7.885	113	89537	45.028	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.060%
50) Toluene-d8	10.323	98	323386	43.750	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.500%
62) 4-Bromofluorobenzene	12.621	95	109864	40.169	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.178	59	127	1.306	ug/l #	72
16) Acetone	4.129	43	3143	9.635	ug/l	95
20) Methylene Chloride	4.922	84	7356	Below Cal		91
23) Vinyl Acetate	6.281	43	175	17.458	ug/l #	70
31) Cyclohexane	7.952	56	4386	1.325	ug/l #	28
36) 1,1-Dichloropropene	7.952	75	14503	4.553	ug/l #	50
38) Carbon Tetrachloride	7.952	117	18952	5.835	ug/l #	18
48) Methyl methacrylate	9.464	41	66	5.239	ug/l #	8
56) Ethyl methacrylate	10.665	69	42	4.075	ug/l #	25
69) o-Xylene	12.158	106	148	1.534	ug/l	66
70) Styrene	12.183	104	422	1.750	ug/l #	70
73) Isopropylbenzene	12.469	105	479	2.223	ug/l #	49
74) N-amyl acetate	12.268	43	119	3.953	ug/l #	41
76) 1,2,3-Trichloropropane	12.615	75	58604	49.221	ug/l #	100
78) n-propylbenzene	12.804	91	1147	1.428	ug/l	90
80) 1,3,5-Trimethylbenzene	12.945	105	620	1.269	ug/l	83
81) trans-1,4-Dichloro-2-b...	12.615	75	58604	102.800	ug/l #	7
83) tert-Butylbenzene	13.207	119	362	2.141	ug/l #	87
84) 1,2,4-Trimethylbenzene	13.249	105	881	1.365	ug/l	90
85) sec-Butylbenzene	13.384	105	758	1.096	ug/l	97
86) p-Isopropyltoluene	13.493	119	722	1.403	ug/l	90
89) n-Butylbenzene	13.829	91	1189	1.433	ug/l	93
95) Naphthalene	15.365	128	1976	2.807	ug/l	99

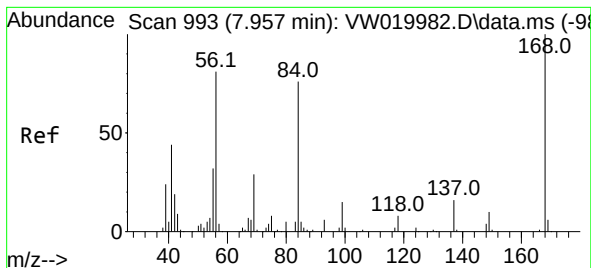
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 09 04:08:16 2021
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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: 7.946 min Scan# 991

Delta R.T. -0.011 min

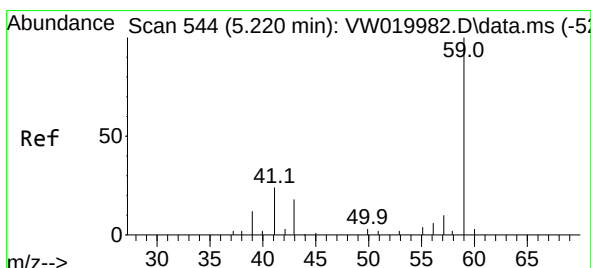
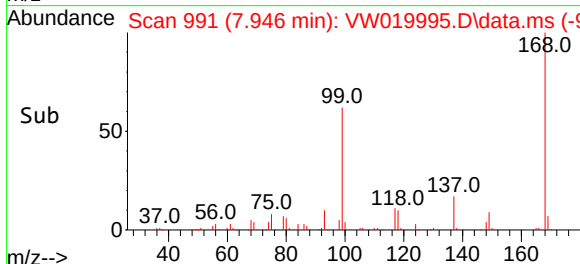
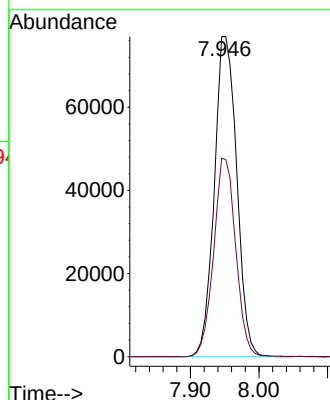
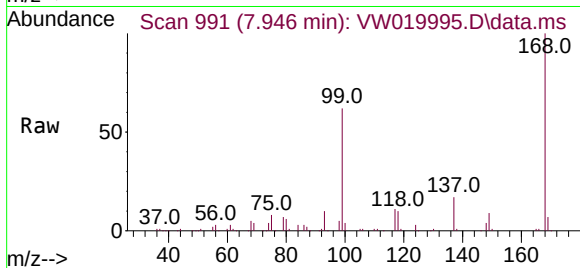
Lab File: VW019995.D

Acq: 08 Sep 2021 10:27

Tgt Ion:168 Resp: 174947

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	62.0	42.9	64.3



#11

Tert butyl alcohol

Concen: 1.306 ug/l

RT: 5.178 min Scan# 537

Delta R.T. -0.042 min

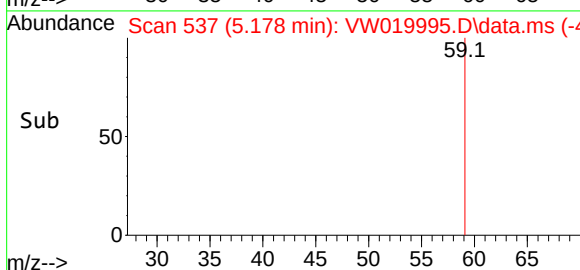
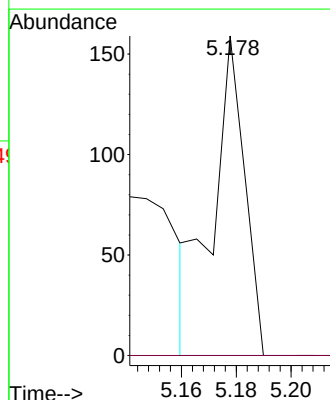
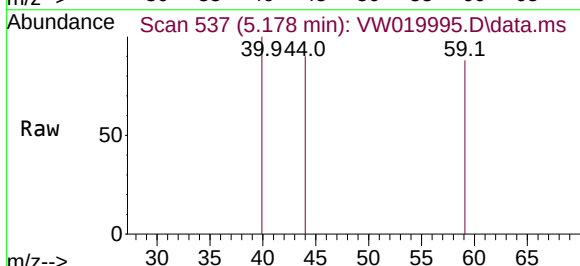
Lab File: VW019995.D

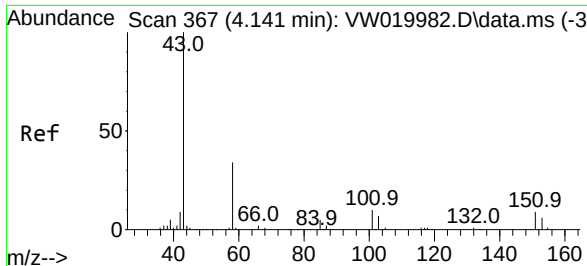
Acq: 08 Sep 2021 10:27

Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

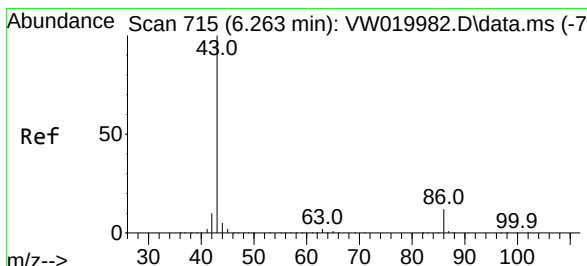
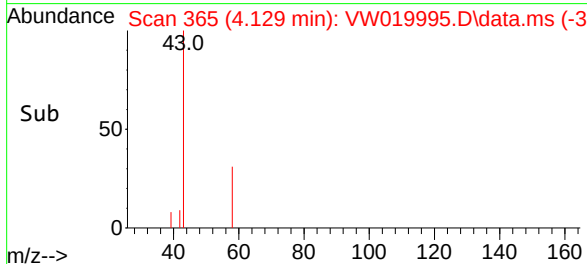
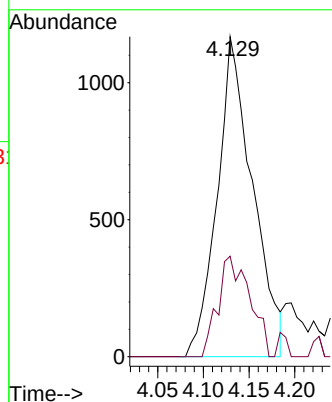
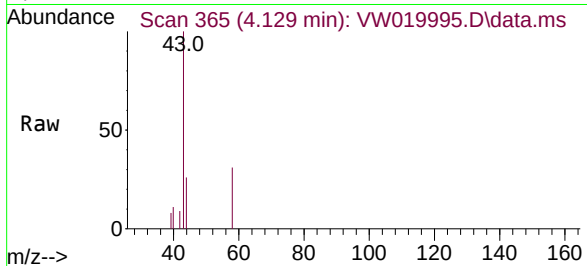




#16
Acetone
Concen: 9.635 ug/l
RT: 4.129 min Scan# 365
Delta R.T. -0.012 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

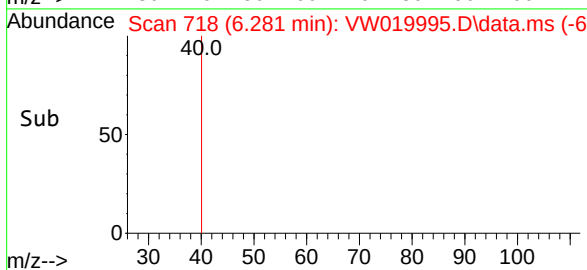
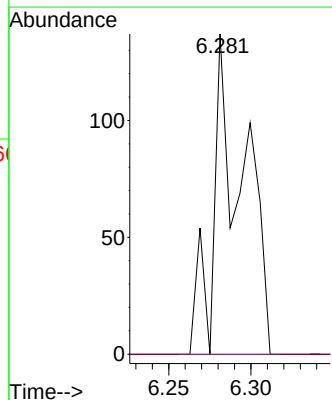
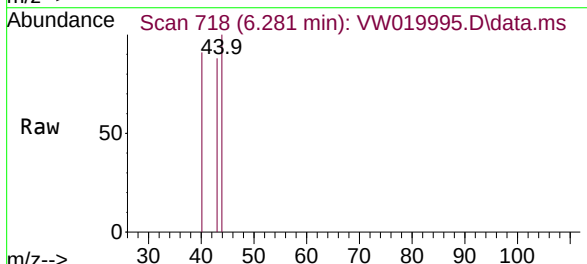
Instrument :
MSVOA_W
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VW0908SBL01

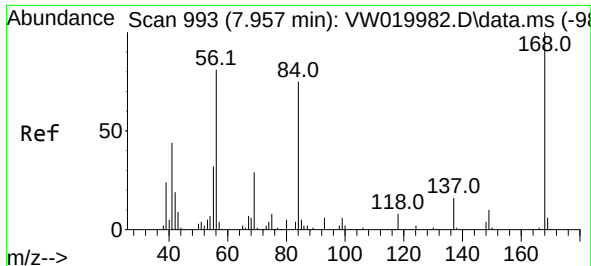
Tgt Ion: 43 Resp: 3143
Ion Ratio Lower Upper
43 100
58 31.4 27.2 40.8



#23
Vinyl Acetate
Concen: 17.458 ug/l
RT: 6.281 min Scan# 718
Delta R.T. 0.018 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
86 0.0 9.3 13.9#

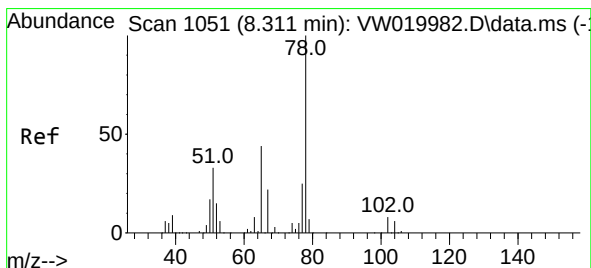
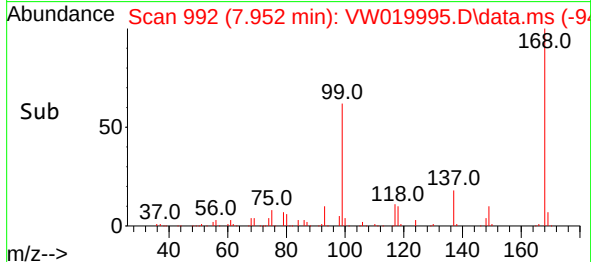
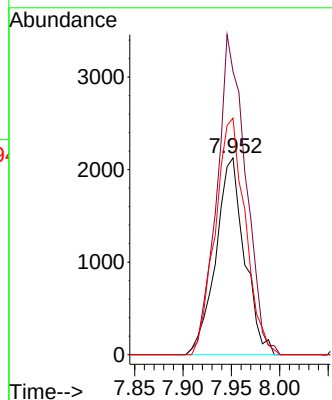
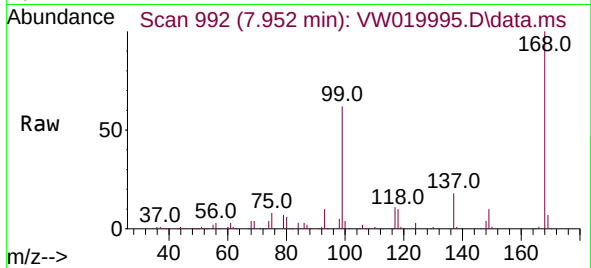




#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

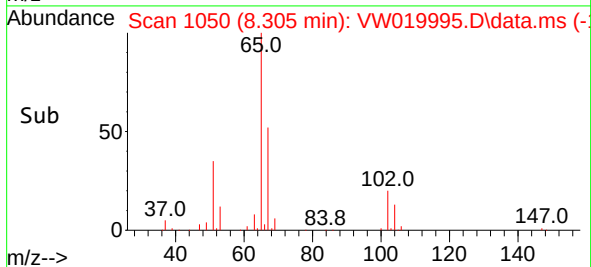
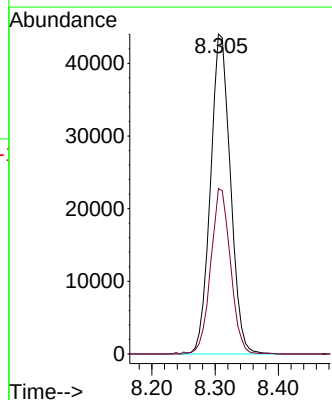
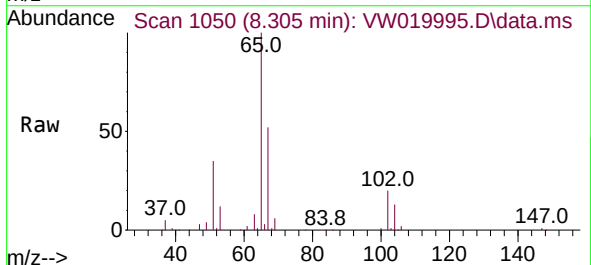
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL01

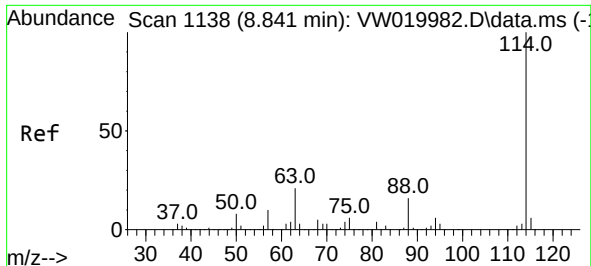
Tgt Ion: 56 Resp: 4386
Ion Ratio Lower Upper
56 100
69 144.0 28.6 42.8#
84 120.2 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 47.495 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. -0.006 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion: 65 Resp: 96460
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.2

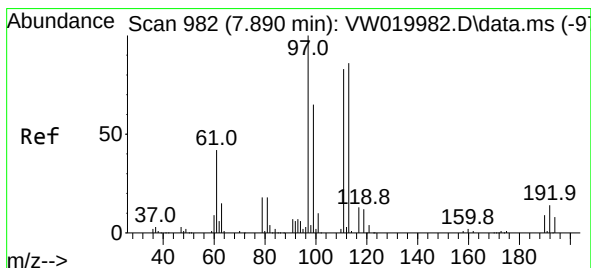
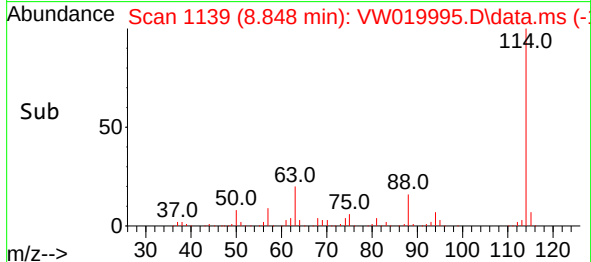
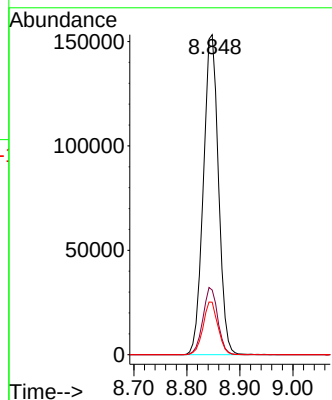
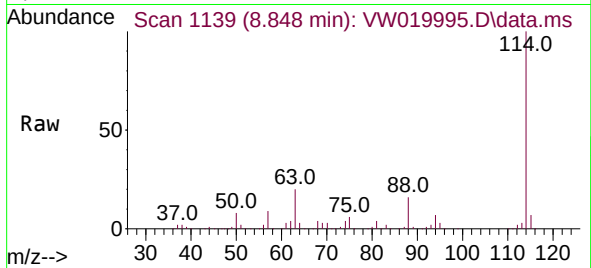




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.848 min Scan# 1139
Delta R.T. 0.007 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

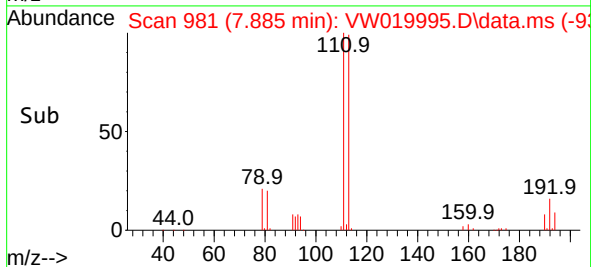
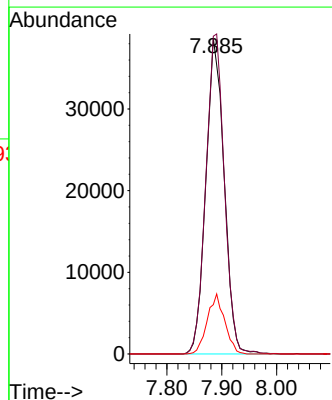
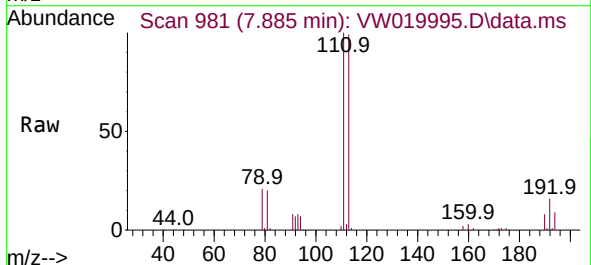
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL01

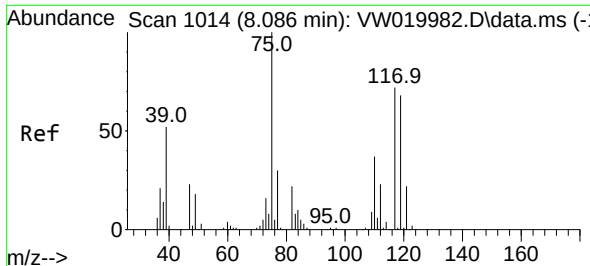
Tgt Ion:114 Resp: 302798
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 16.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.028 ug/l
RT: 7.885 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion:113 Resp: 89537
Ion Ratio Lower Upper
113 100
111 102.4 81.6 122.4
192 18.1 14.6 22.0

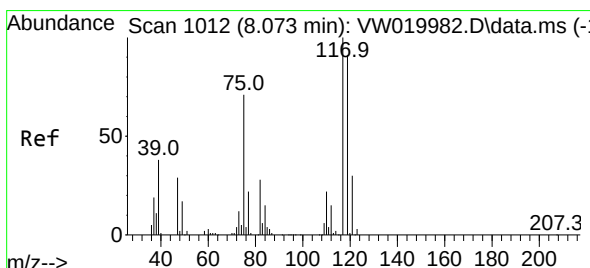
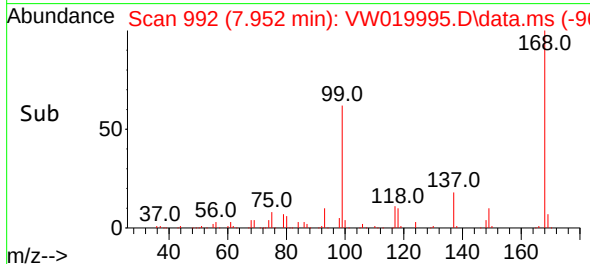
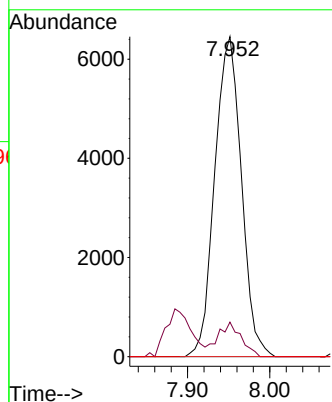
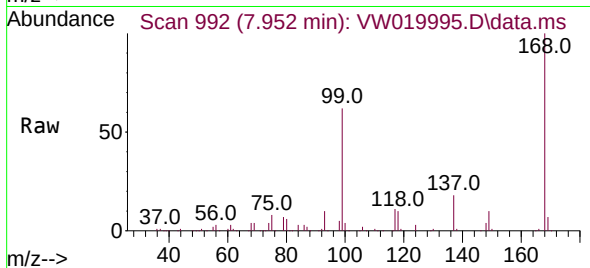




#36
1,1-Dichloropropene
Concen: 4.553 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.134 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

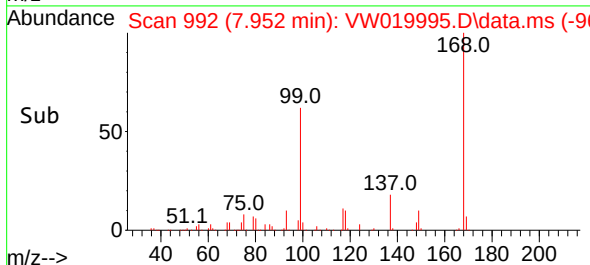
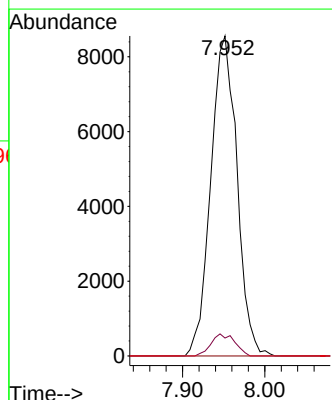
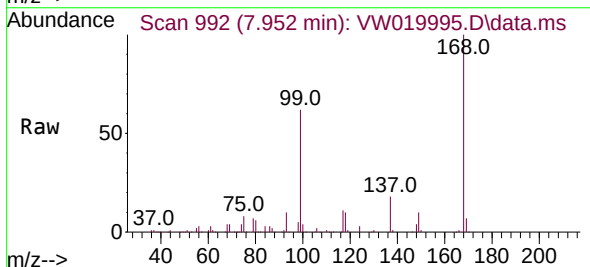
Instrument :
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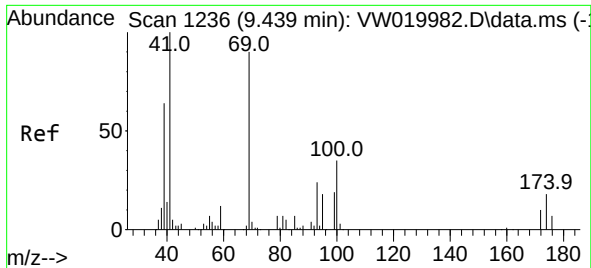
Tgt Ion: 75 Resp: 14503
Ion Ratio Lower Upper
75 100
110 9.4 17.4 52.3#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.835 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.122 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion: 117 Resp: 18952
Ion Ratio Lower Upper
117 100
119 5.6 73.0 109.4#
121 0.0 23.9 35.9#

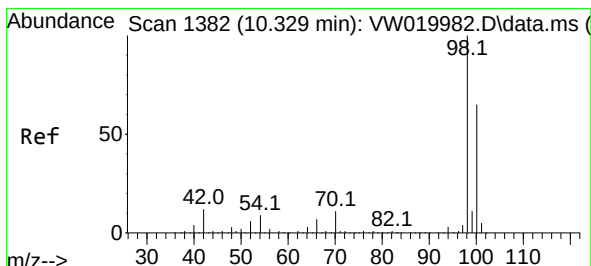
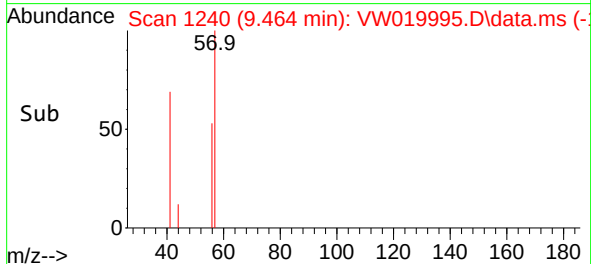
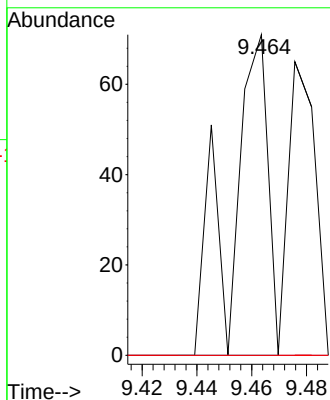
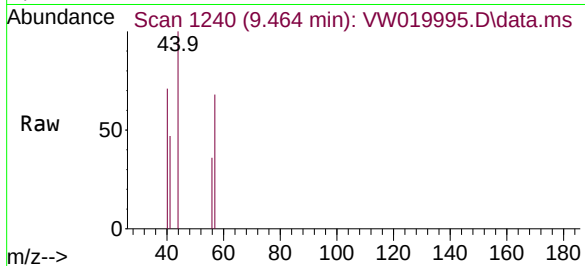




#48
Methyl methacrylate
Concen: 5.239 ug/l
RT: 9.464 min Scan# 1240
Delta R.T. 0.025 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

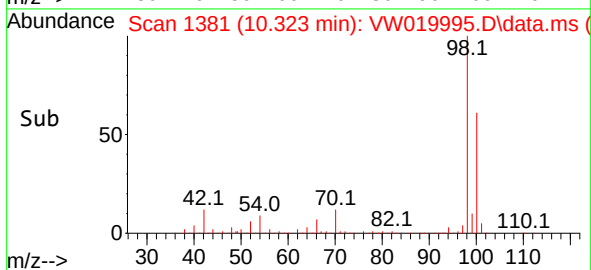
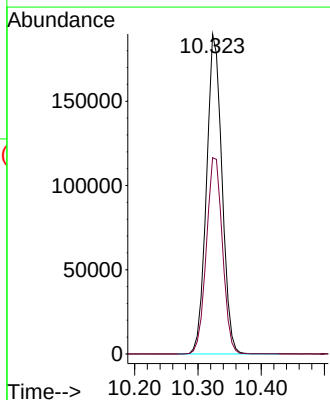
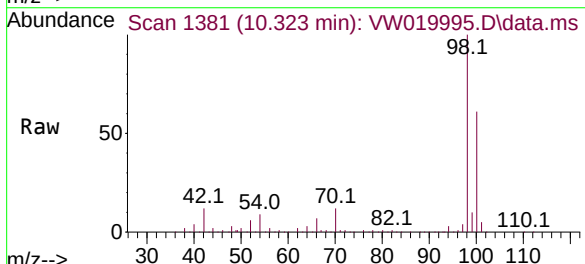
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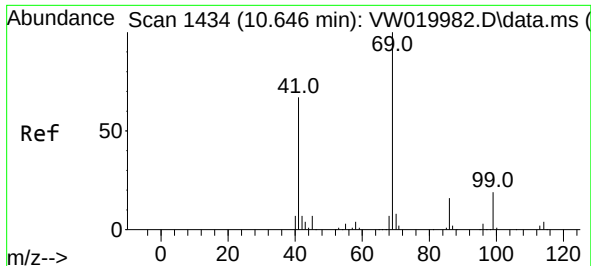
Tgt Ion: 41 Resp: 66
Ion Ratio Lower Upper
41 100
69 0.0 76.7 115.1#
39 0.0 51.4 77.0#



#50
Toluene-d8
Concen: 43.750 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion: 98 Resp: 323386
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

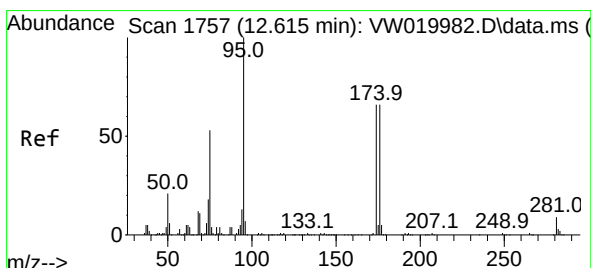
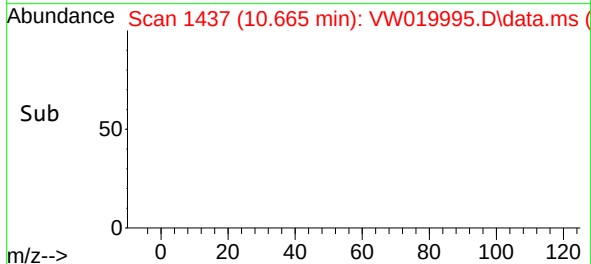
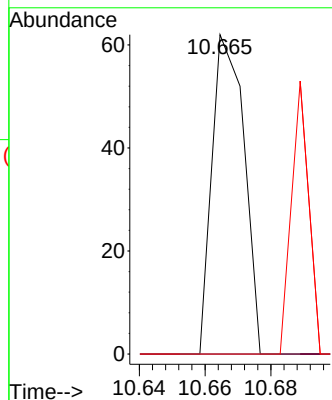
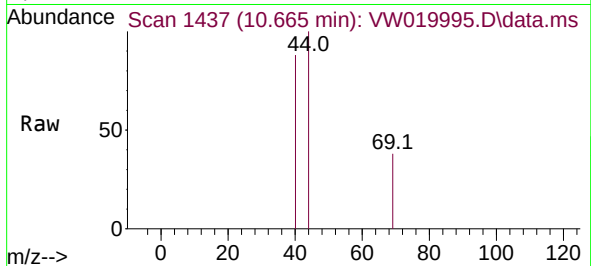




#56
Ethyl methacrylate
Concen: 4.075 ug/l
RT: 10.665 min Scan# 1437
Delta R.T. 0.019 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

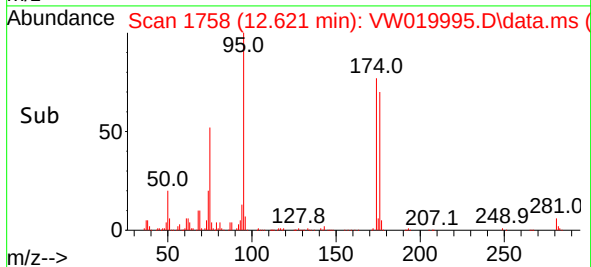
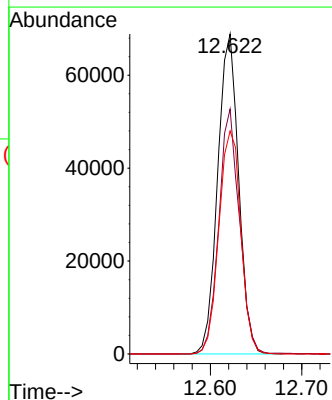
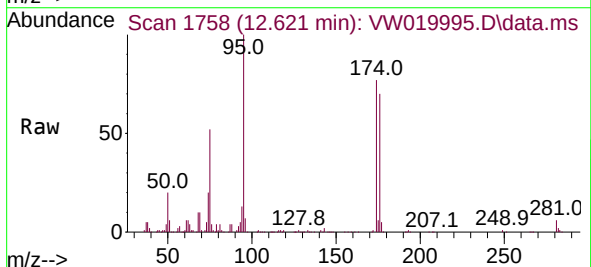
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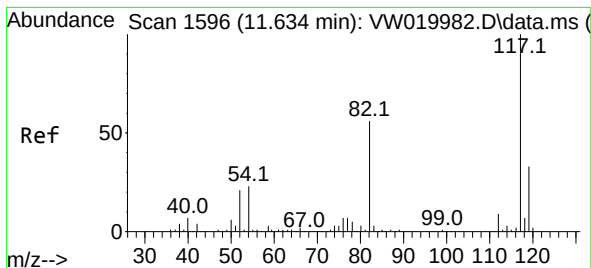
Tgt Ion: 69 Resp: 42
Ion Ratio Lower Upper
69 100
41 0.0 50.6 76.0#
39 0.0 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 40.169 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.006 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion: 95 Resp: 109864
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.2
176 72.9 0.0 146.4

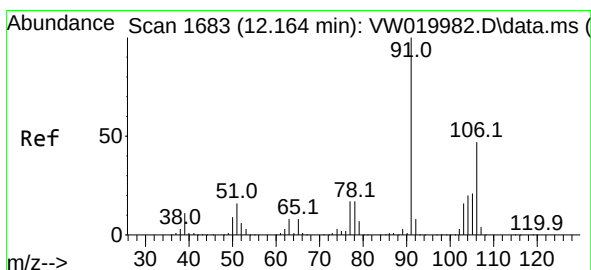
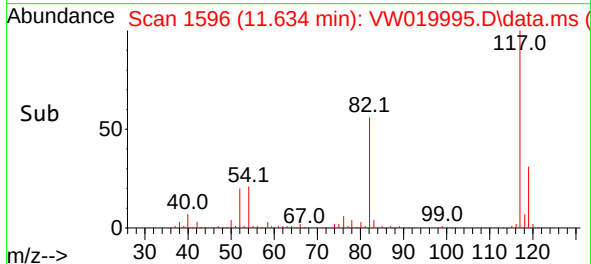
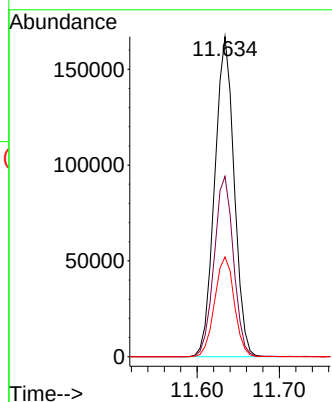
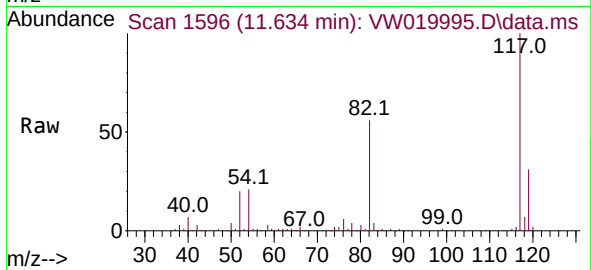




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

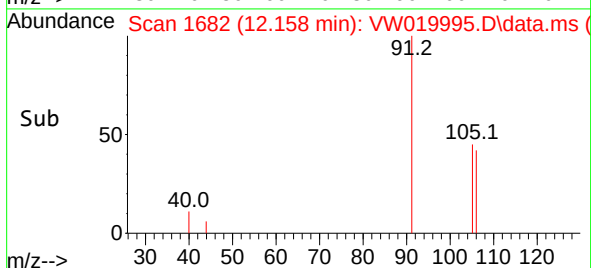
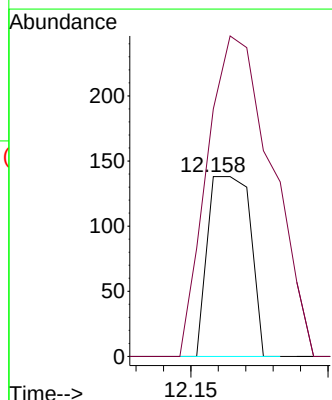
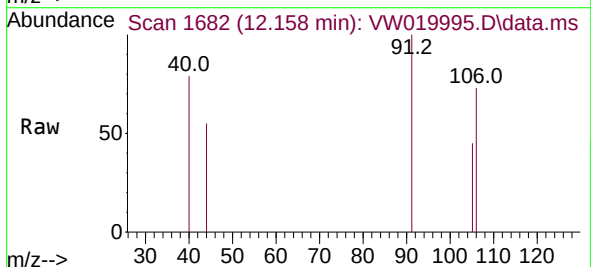
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL01

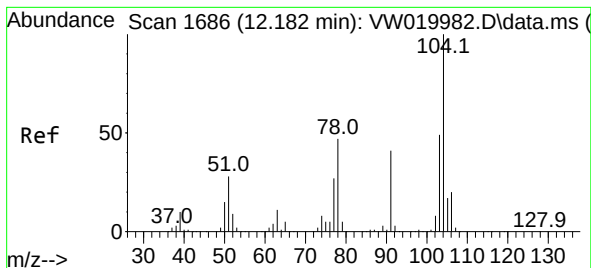
Tgt Ion:117 Resp: 274818
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.4
119 31.1 26.2 39.2



#69
o-Xylene
Concen: 1.534 ug/l
RT: 12.158 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion:106 Resp: 148
Ion Ratio Lower Upper
106 100
91 273.0 109.2 327.6





#70

Styrene

Concen: 1.750 ug/l

RT: 12.183 min Scan# 1686

Delta R.T. 0.001 min

Lab File: VW019995.D

Acq: 08 Sep 2021 10:27

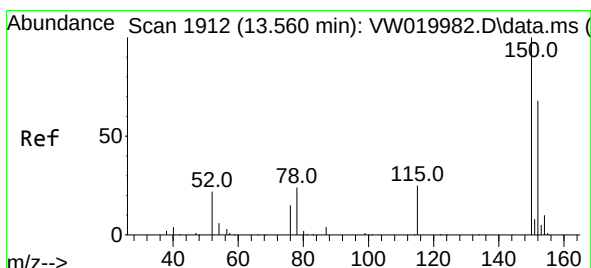
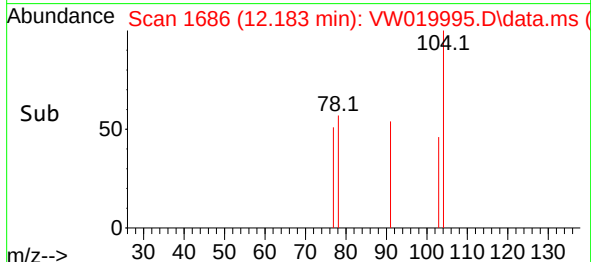
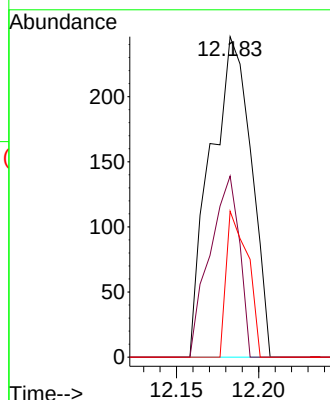
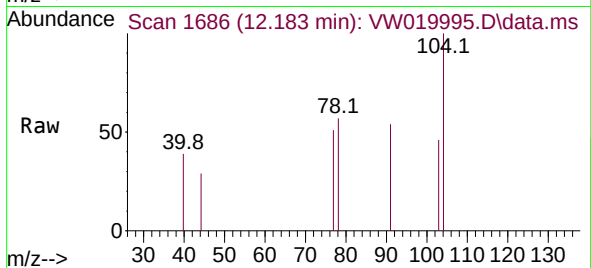
Instrument :

MSVOA_W

ClientSampleId :

VW0908SBL01

Tgt Ion:	104	Resp:	422
Ion	Ratio	Lower	Upper
104	100		
78	41.2	42.6	63.8#
103	24.2	43.8	65.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

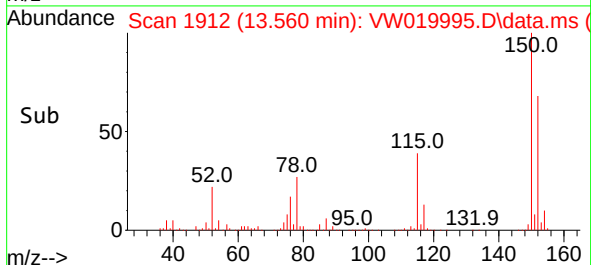
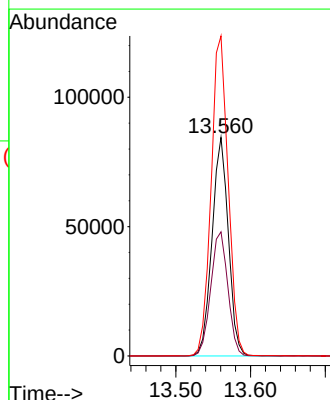
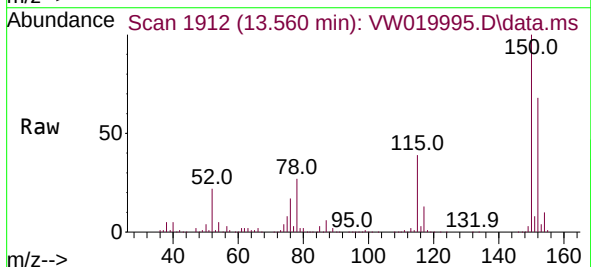
RT: 13.560 min Scan# 1912

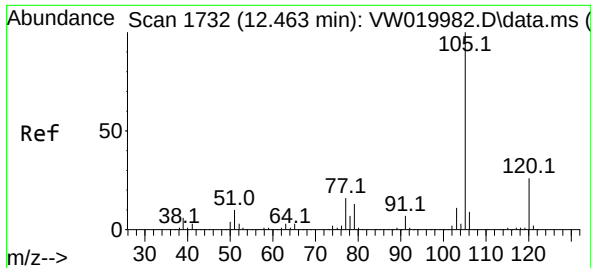
Delta R.T. 0.000 min

Lab File: VW019995.D

Acq: 08 Sep 2021 10:27

Tgt Ion:	152	Resp:	128178
Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.8	92.3
150	152.6	0.0	359.2

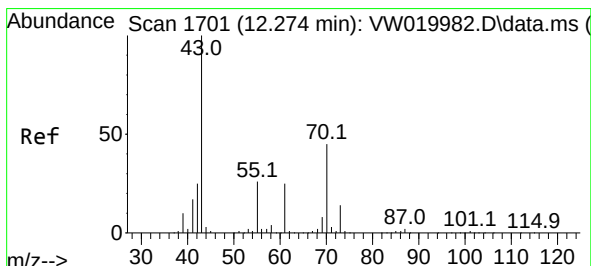
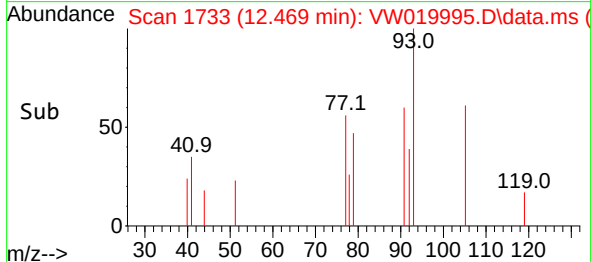
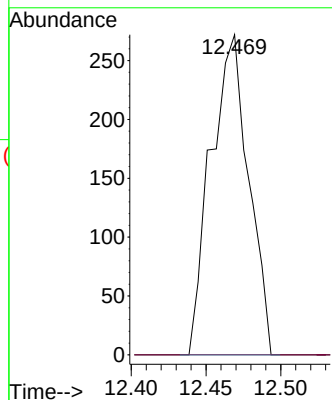
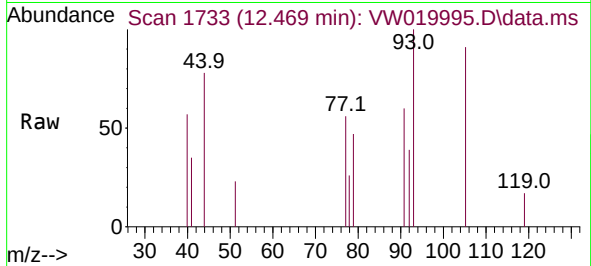




#73
Isopropylbenzene
Concen: 2.223 ug/l
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

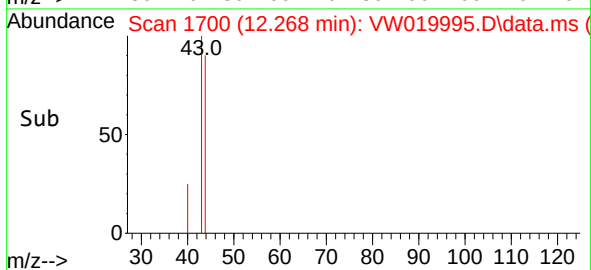
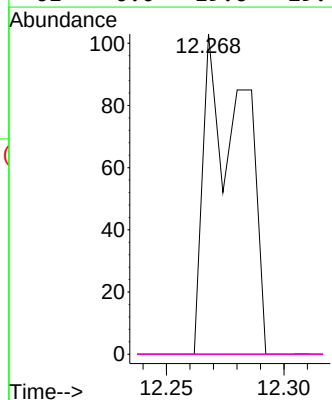
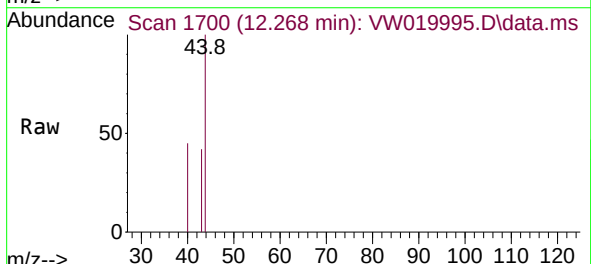
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL01

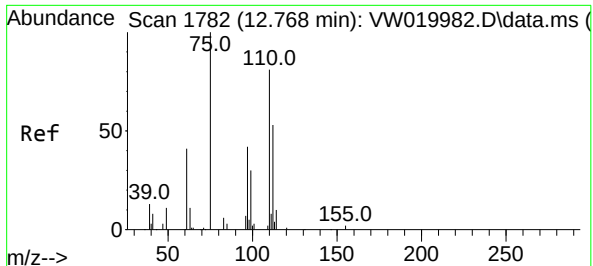
Tgt Ion:105 Resp: 479
Ion Ratio Lower Upper
105 100
120 0.0 13.0 39.0#



#74
N-ethyl acetate
Concen: 3.953 ug/l
RT: 12.268 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion: 43 Resp: 119
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#

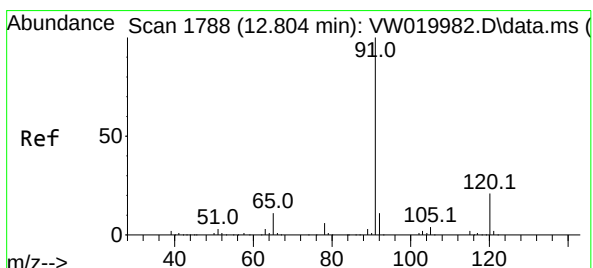
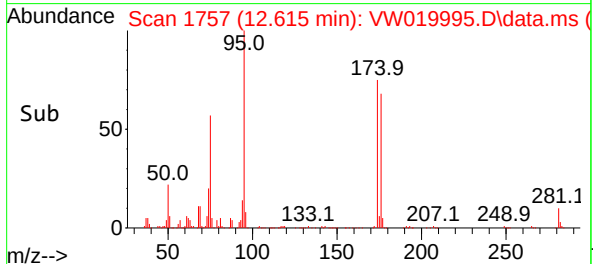
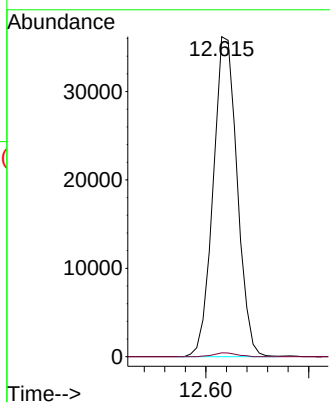
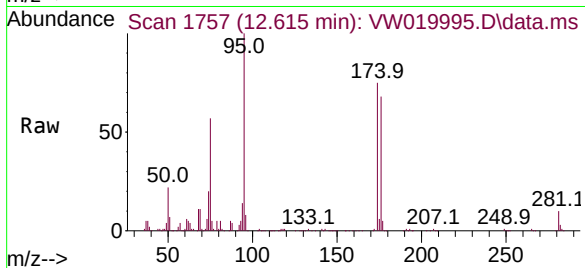




#76
1,2,3-Trichloropropane
Concen: 49.221 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.152 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

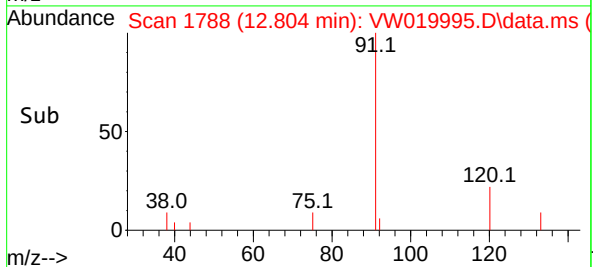
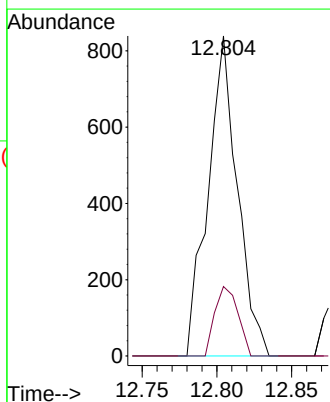
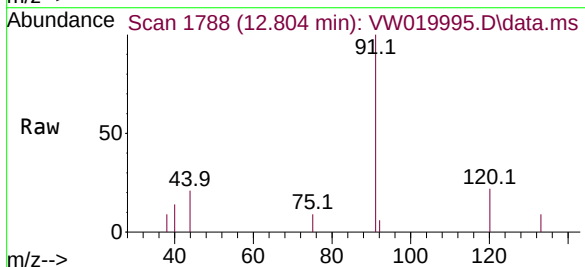
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL01

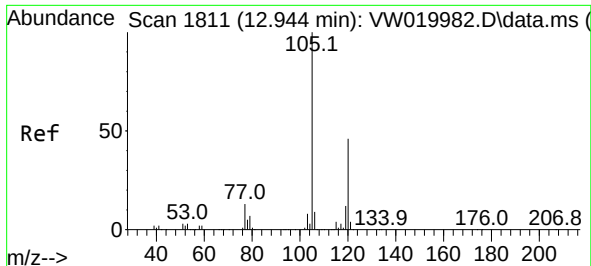
Tgt Ion: 75 Resp: 58604
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#78
n-propylbenzene
Concen: 1.428 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion: 91 Resp: 1147
Ion Ratio Lower Upper
91 100
120 17.0 10.9 32.7

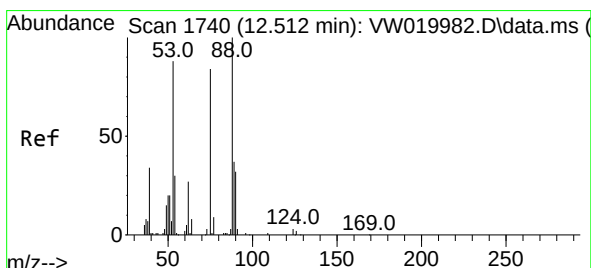
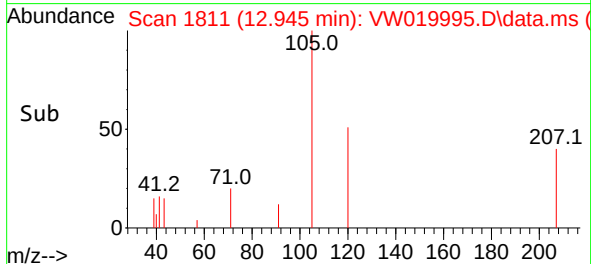
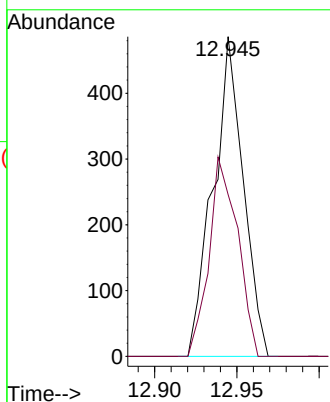
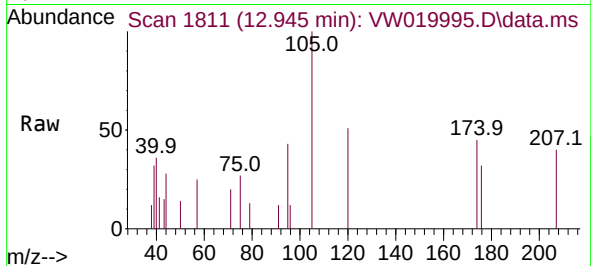




#80
1,3,5-Trimethylbenzene
Concen: 1.269 ug/l
RT: 12.945 min Scan# 1811
Delta R.T. 0.001 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

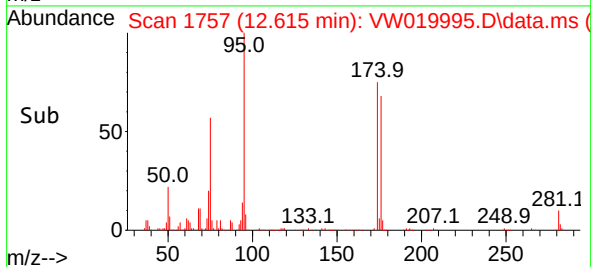
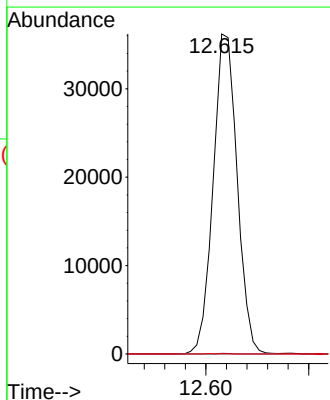
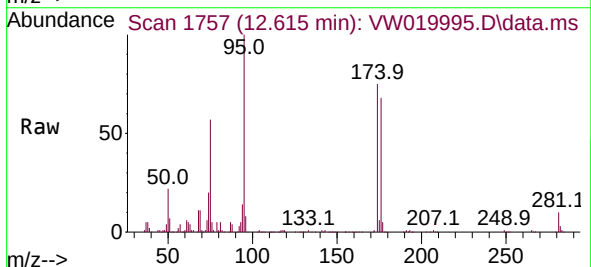
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL01

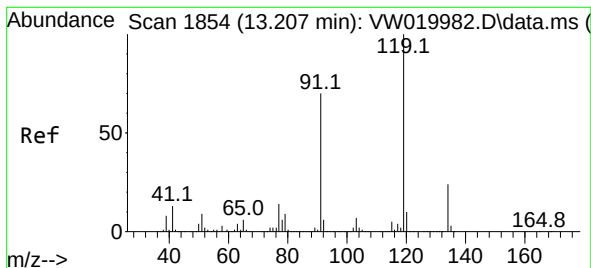
Tgt Ion:105 Resp: 620
Ion Ratio Lower Upper
105 100
120 58.9 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 102.800 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion: 75 Resp: 58604
Ion Ratio Lower Upper
75 100
53 0.1 86.1 129.1#
89 0.0 37.7 56.5#

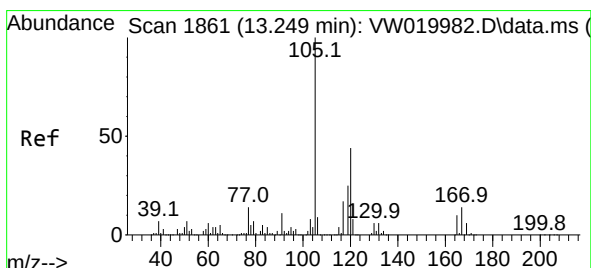
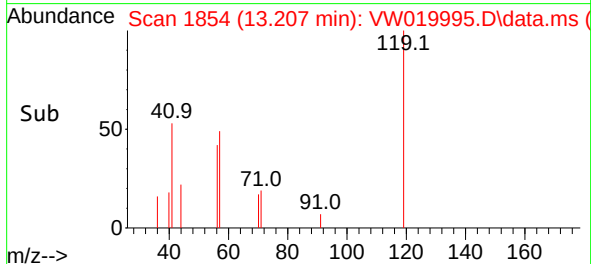
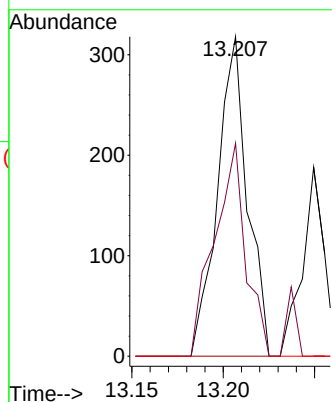
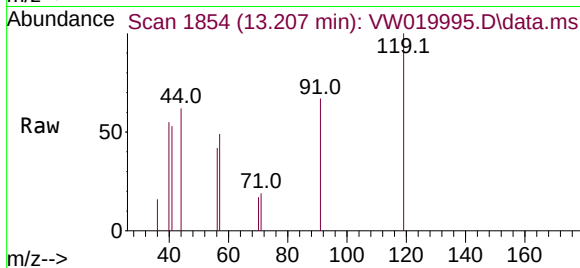




#83
tert-Butylbenzene
Concen: 2.141 ug/l
RT: 13.207 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

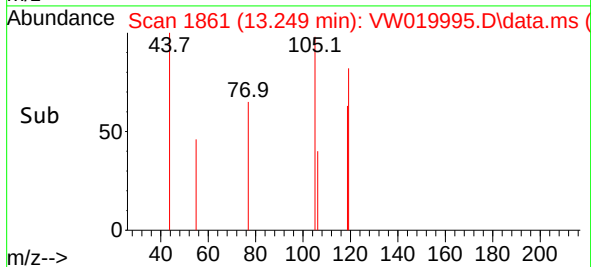
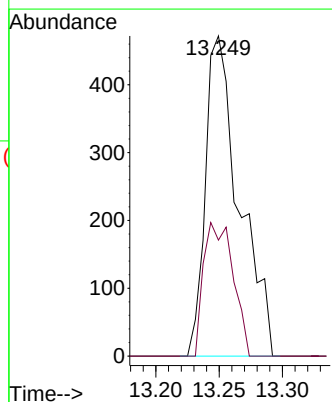
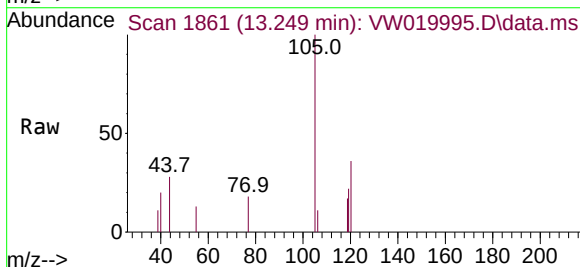
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL01

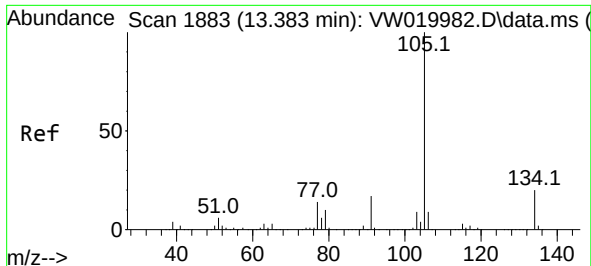
Tgt Ion:119 Resp: 362
Ion Ratio Lower Upper
119 100
91 69.9 35.0 105.0
134 0.0 12.4 37.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.365 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

Tgt Ion:105 Resp: 881
Ion Ratio Lower Upper
105 100
120 36.2 21.4 64.3

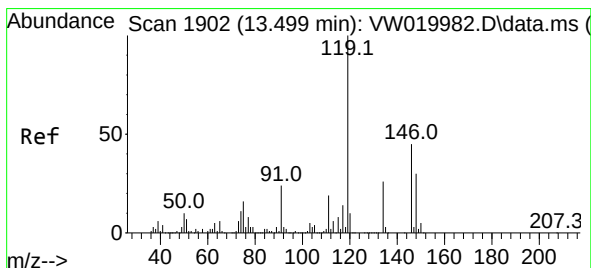
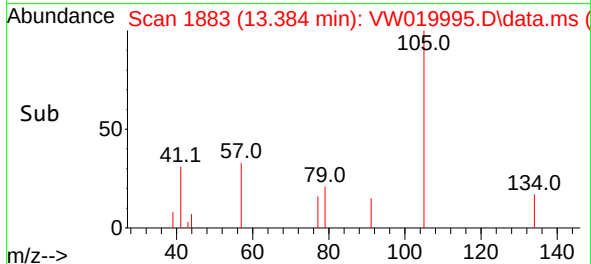
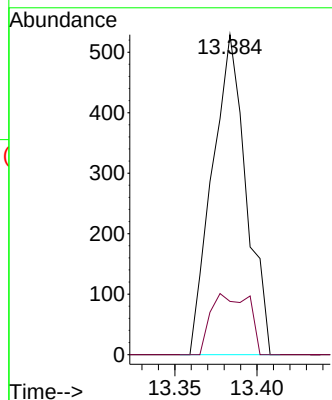
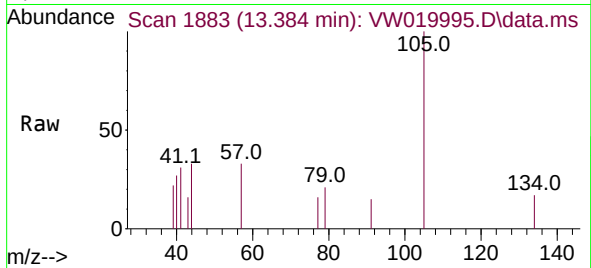




#85
 sec-Butylbenzene
 Concen: 1.096 ug/l
 RT: 13.384 min Scan# 1883
 Delta R.T. 0.001 min
 Lab File: VW019995.D
 Acq: 08 Sep 2021 10:27

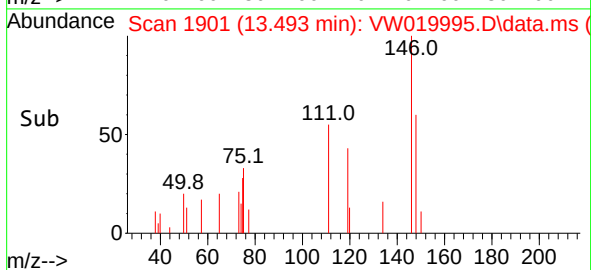
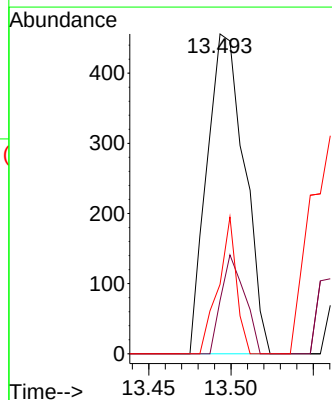
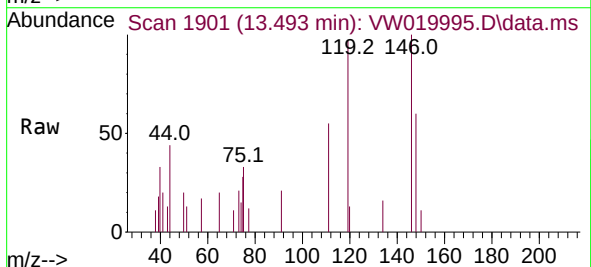
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBL01

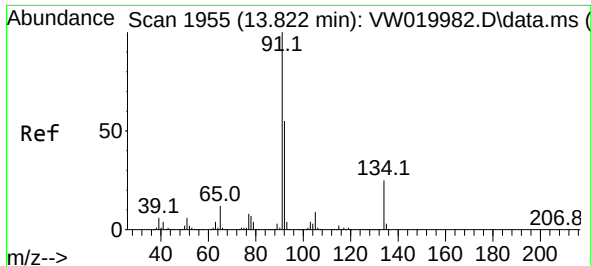
Tgt Ion:105 Resp: 758
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 1.403 ug/l
 RT: 13.493 min Scan# 1901
 Delta R.T. -0.006 min
 Lab File: VW019995.D
 Acq: 08 Sep 2021 10:27

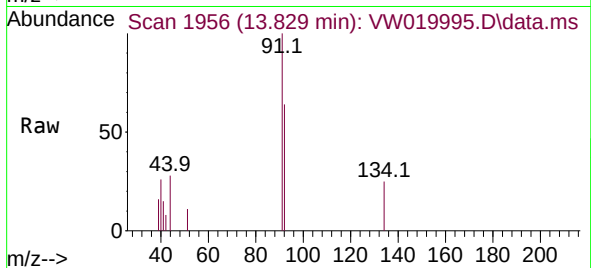
Tgt Ion:119 Resp: 722
 Ion Ratio Lower Upper
 119 100
 134 19.4 12.8 38.4
 91 20.8 12.4 37.0



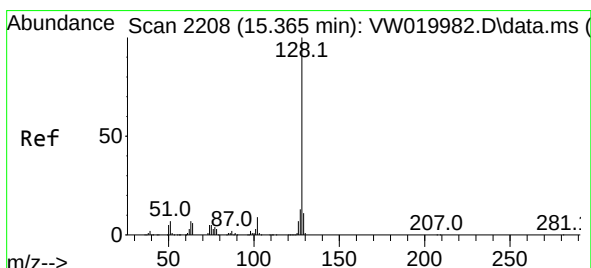
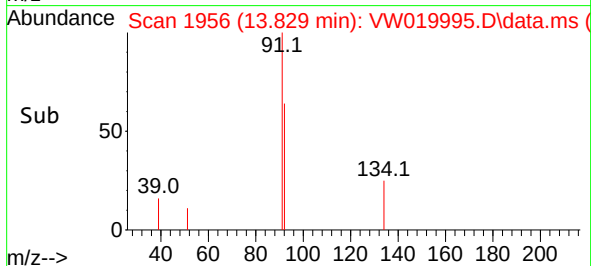
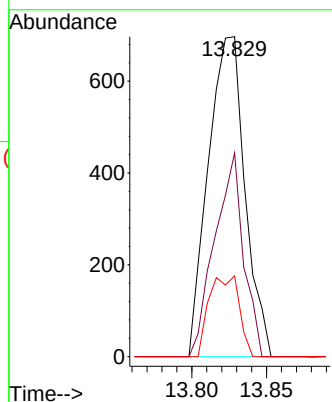


#89
n-Butylbenzene
Concen: 1.433 ug/l
RT: 13.829 min Scan# 1956
Delta R.T. 0.007 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27

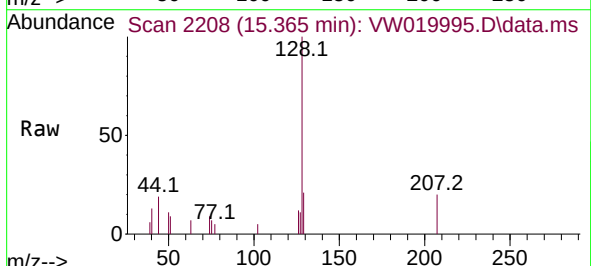
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL01



Tgt Ion: 91	Resp:	1189
Ion	Ratio	Lower Upper
91	100	
92	50.0	27.1 81.3
134	20.8	12.4 37.2



#95
Naphthalene
Concen: 2.807 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW019995.D
Acq: 08 Sep 2021 10:27



Tgt Ion: 128	Resp:	1976
Ion	Ratio	Lower Upper
128	100	
127	12.4	10.4 15.6
129	10.7	8.7 13.1

