

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111221\
 Data File : VW020875.D
 Acq On : 13 Nov 2021 00:01
 Operator : SY/VA
 Sample : M4654-02
 Misc : 6.30g/5mL/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 15 00:14:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111021S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 13 07:30:48 2021
 Response via : Initial Calibration

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

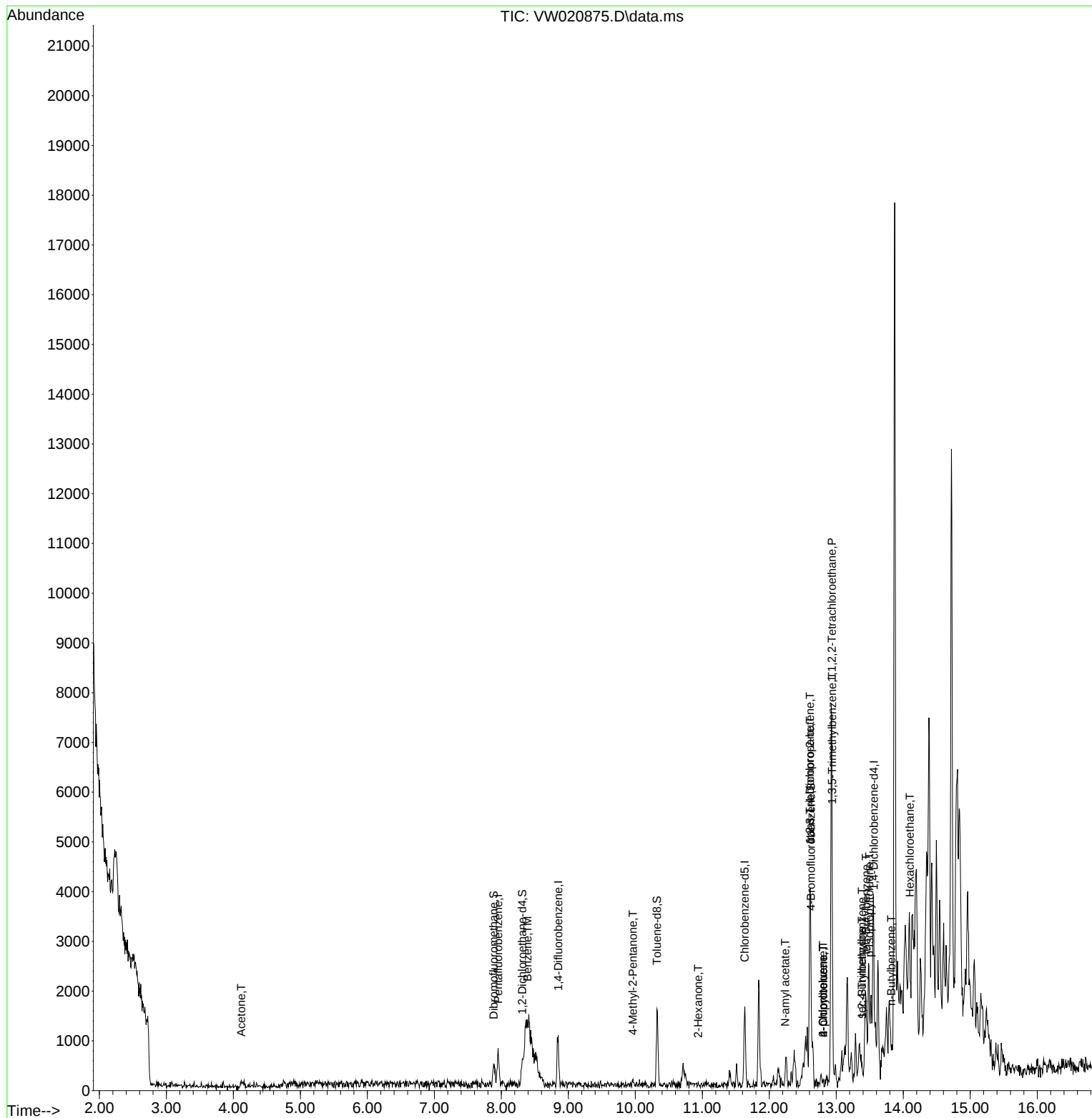
Internal Standards						
1) Pentafluorobenzene	7.952	168	788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	1228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	1052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	492	75.501	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.000%	
35) Dibromofluoromethane	7.885	113	443	64.528	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.060%	
50) Toluene-d8	10.323	98	1226	45.644	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.280%	
62) 4-Bromofluorobenzene	12.622	95	473	48.810	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.620%	
Target Compounds						Qvalue
16) Acetone	4.117	43	77	51.949	ug/l #	44
40) Benzene	8.391	78	2408	88.632	ug/l	93
51) 4-Methyl-2-Pentanone	9.963	43	24	4.851	ug/l #	37
59) 2-Hexanone	10.939	43	22	6.058	ug/l #	25
74) N-amyl acetate	12.237	43	97	12.264	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.932	83	101	17.081	ug/l #	1
76) 1,2,3-Trichloropropane	12.609	75	253	61.968	ug/l #	100
78) n-propylbenzene	12.804	91	80	1.988	ug/l #	52
79) 2-Chlorotoluene	12.804	91	80	3.624	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.939	105	300	10.871	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.609	75	253	121.979	ug/l #	8
82) 4-Chlorotoluene	12.804	91	80	3.502	ug/l #	41
83) tert-Butylbenzene	13.445	119	188	7.256	ug/l #	52
84) 1,2,4-Trimethylbenzene	13.384	105	138	5.088	ug/l #	31
85) sec-Butylbenzene	13.384	105	138	3.726	ug/l #	56
86) p-Isopropyltoluene	13.493	119	120	3.780	ug/l #	50
89) n-Butylbenzene	13.823	91	216	7.309	ug/l #	73
90) Hexachloroethane	14.097	117	23	3.768	ug/l #	7

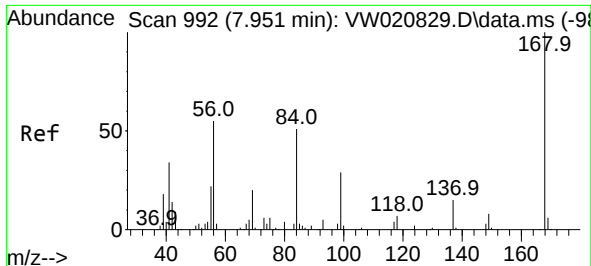
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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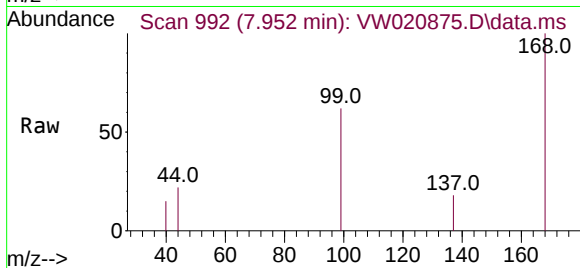
Quant Time: Nov 15 00:14:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111021S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 13 07:30:48 2021
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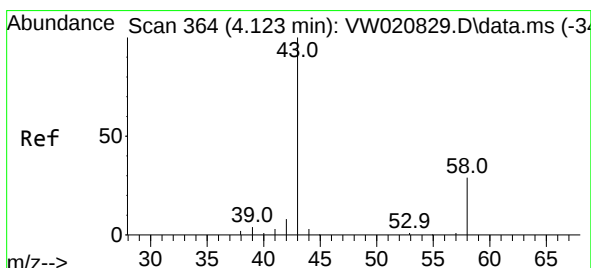
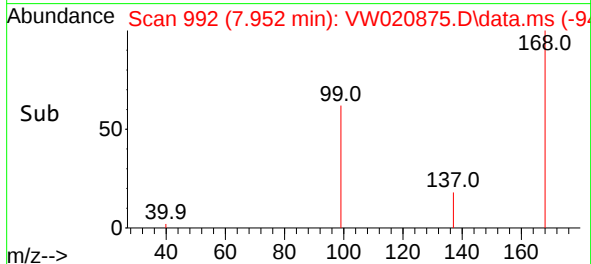
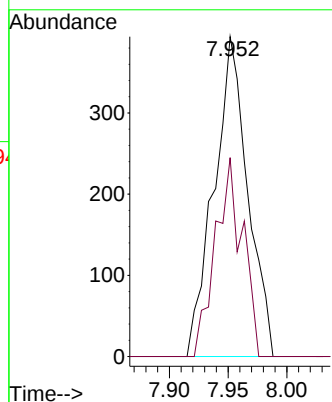


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.952 min Scan# 99
Delta R.T. 0.001 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Instrument :
MSVOA_W
ClientSampleId :

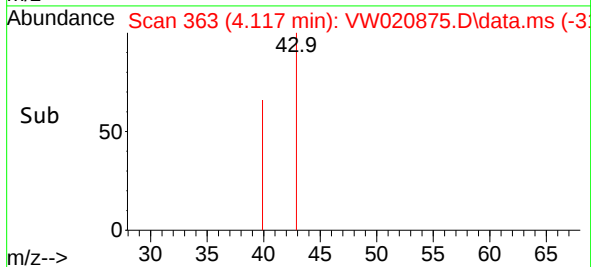
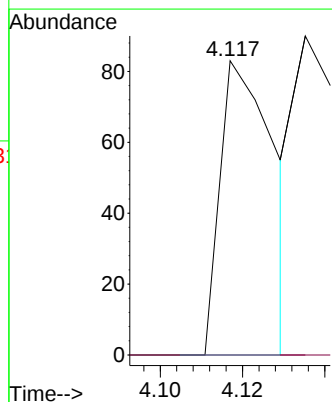
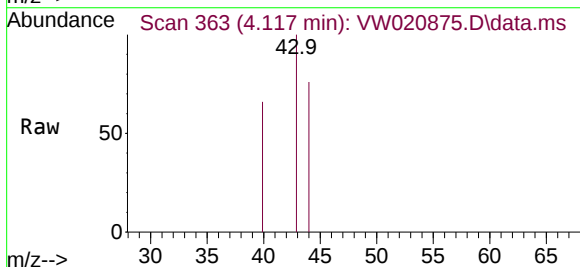


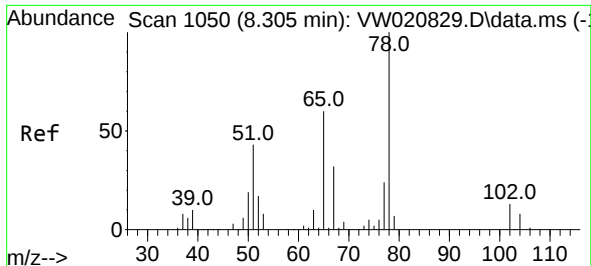
Tgt Ion:168 Resp: 788
Ion Ratio Lower Upper
168 100
99 62.2 45.4 68.0



#16
Acetone
Concen: 51.949 ug/l
RT: 4.117 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#





#33

1,2-Dichloroethane-d4

Concen: 75.501 ug/l

RT: 8.311 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VW020875.D

Acq: 13 Nov 2021 00:01

Instrument :

MSVOA_W

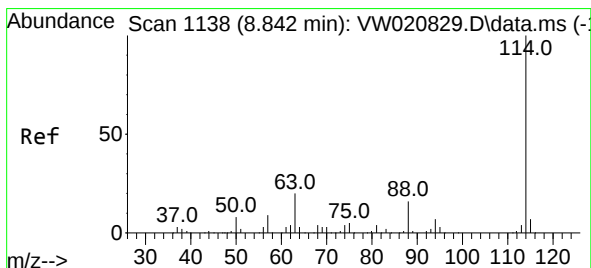
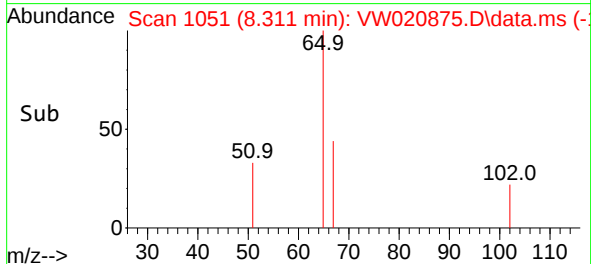
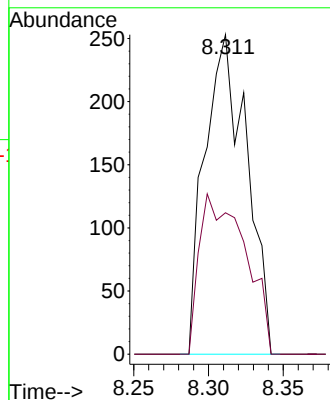
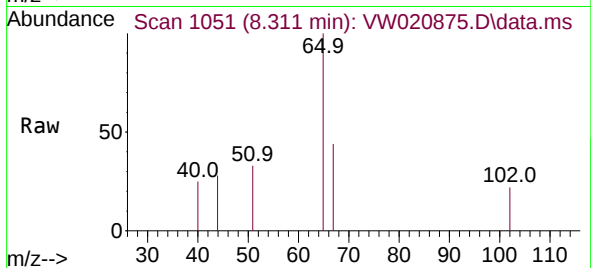
ClientSampleId :

Tgt Ion: 65 Resp: 492

Ion Ratio Lower Upper

65 100

67 54.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.848 min Scan# 1139

Delta R.T. 0.006 min

Lab File: VW020875.D

Acq: 13 Nov 2021 00:01

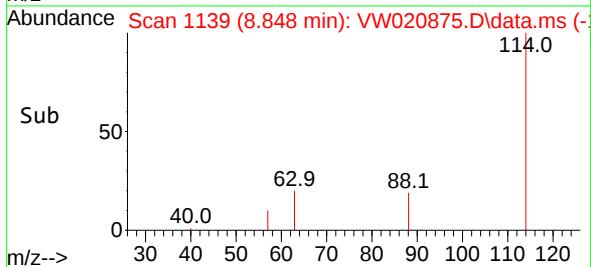
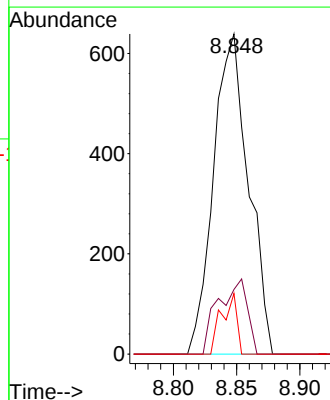
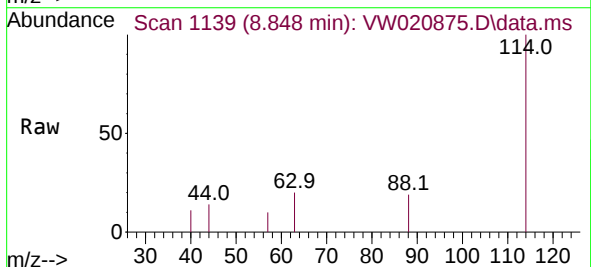
Tgt Ion: 114 Resp: 1228

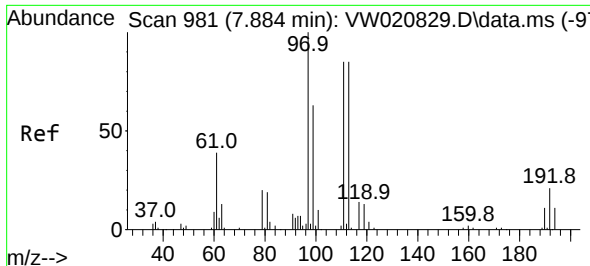
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

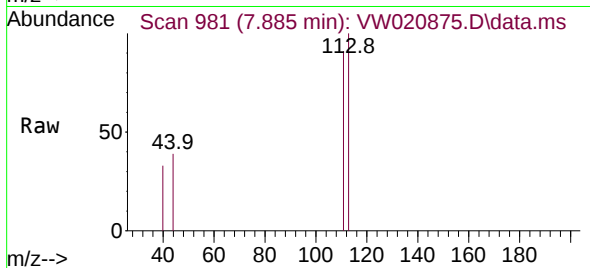
88 18.9 0.0 33.0



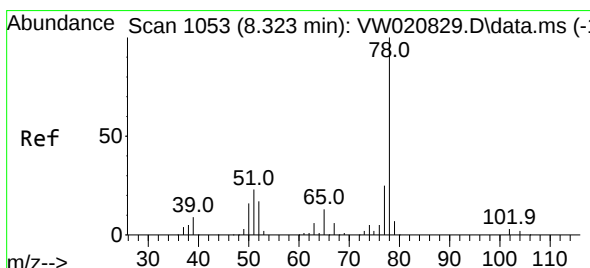
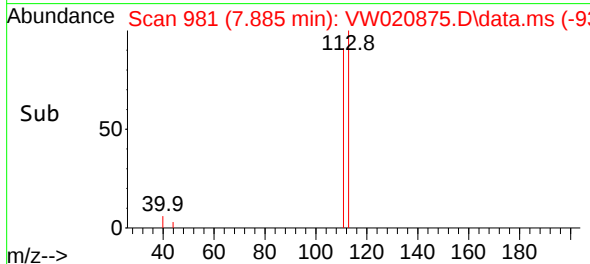
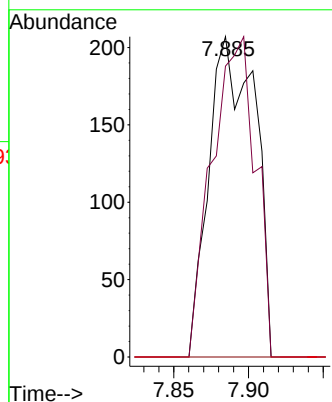


#35
Dibromofluoromethane
Concen: 64.528 ug/l
RT: 7.885 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Instrument :
MSVOA_W
ClientSampleId :

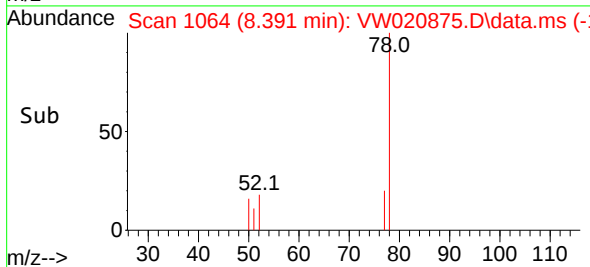
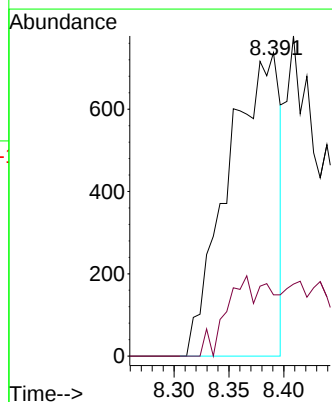
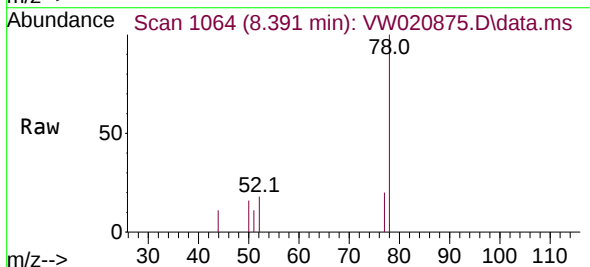


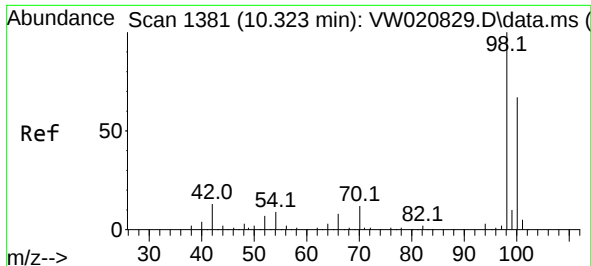
Tgt Ion:113 Resp: 443
Ion Ratio Lower Upper
113 100
111 94.4 82.1 123.1
192 0.0 17.8 26.8#



#40
Benzene
Concen: 88.632 ug/l
RT: 8.391 min Scan# 1064
Delta R.T. 0.067 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Tgt Ion: 78 Resp: 2408
Ion Ratio Lower Upper
78 100
77 20.2 19.0 28.6

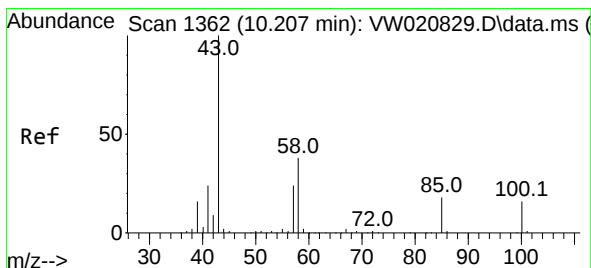
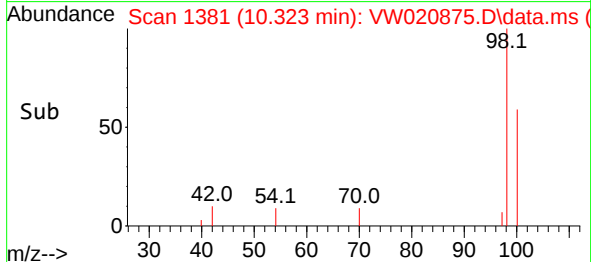
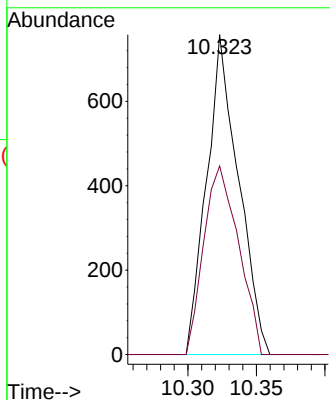
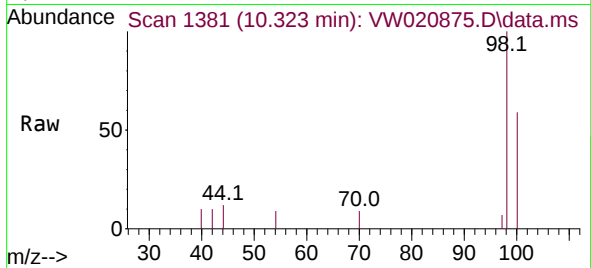




#50
Toluene-d8
Concen: 45.644 ug/l
RT: 10.323 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

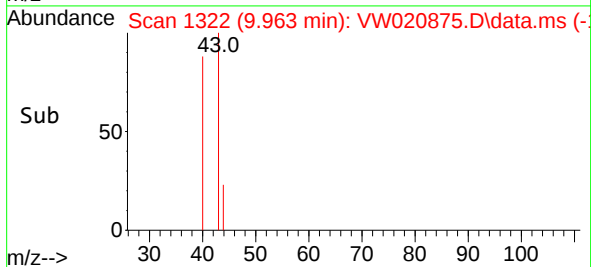
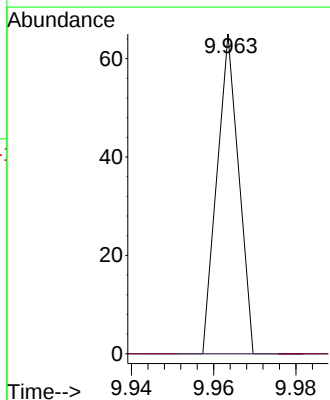
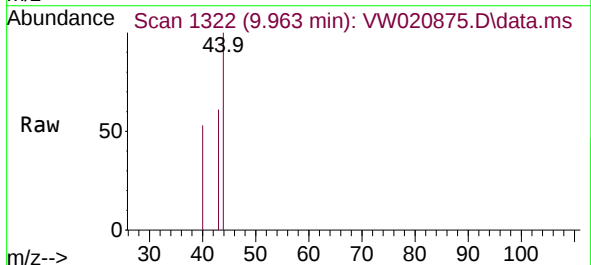
Instrument :
MSVOA_W
ClientSampleId :

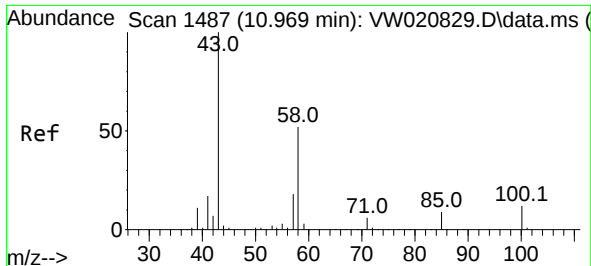
Tgt Ion: 98 Resp: 1226
Ion Ratio Lower Upper
98 100
100 64.4 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 4.851 ug/l
RT: 9.963 min Scan# 1322
Delta R.T. -0.244 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#

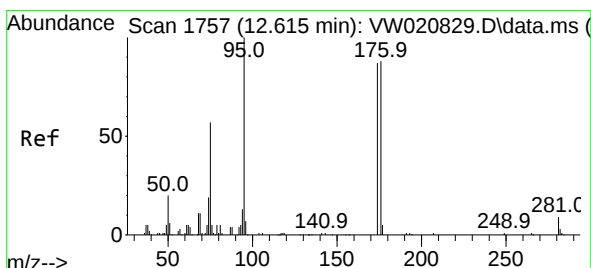
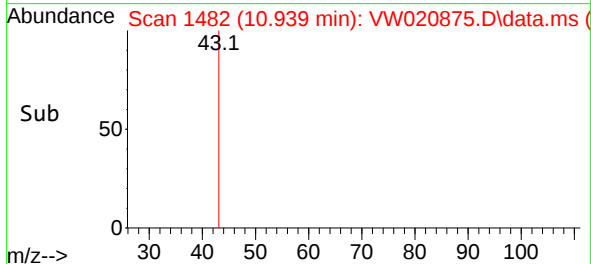
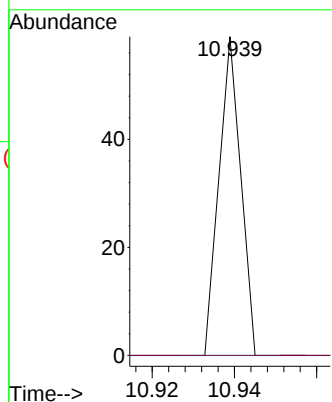
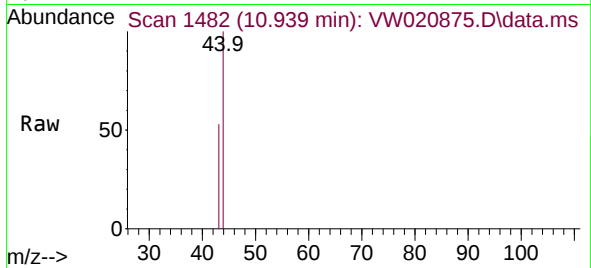




#59
2-Hexanone
Concen: 6.058 ug/l
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

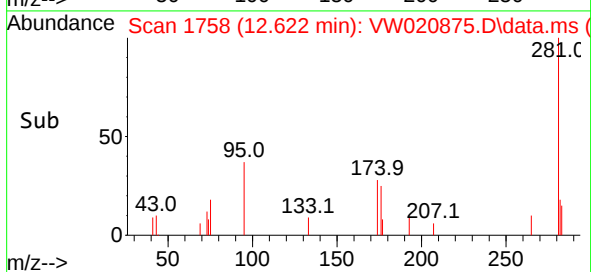
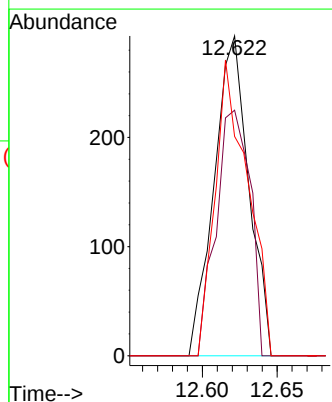
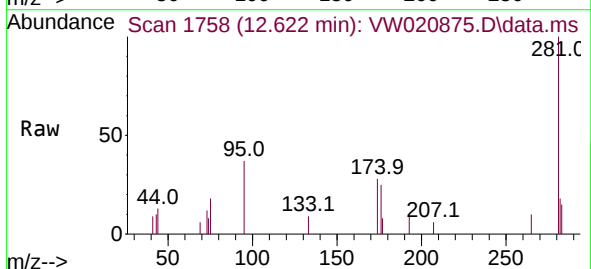
Instrument :
MSVOA_W
ClientSampleId :

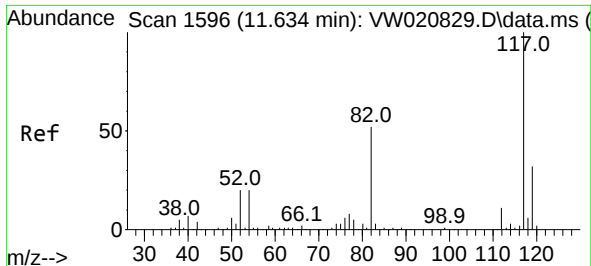
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
58 0.0 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 48.810 ug/l
RT: 12.622 min Scan# 1758
Delta R.T. 0.006 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

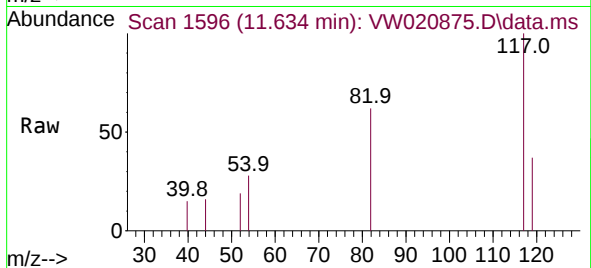
Tgt Ion: 95 Resp: 473
Ion Ratio Lower Upper
95 100
174 75.3 0.0 166.4
176 86.9 0.0 159.8



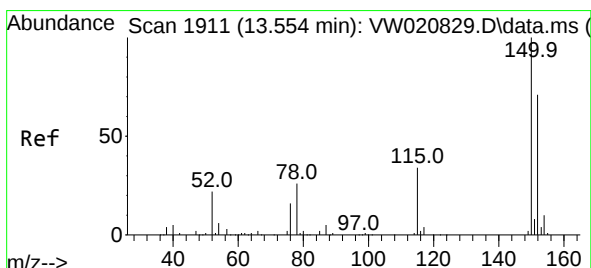
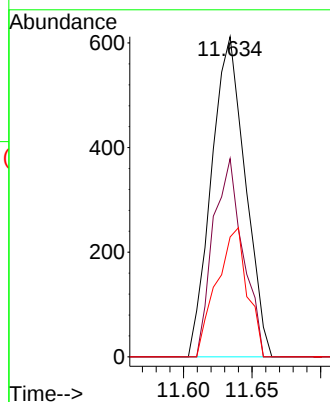
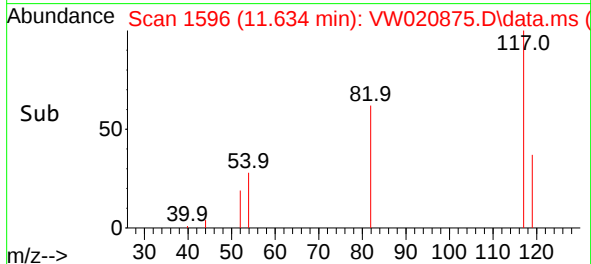


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

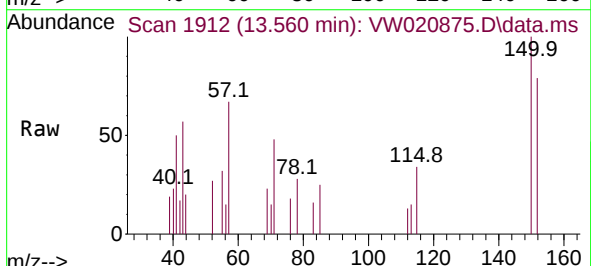
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MSVOA_W
ClientSampleId :



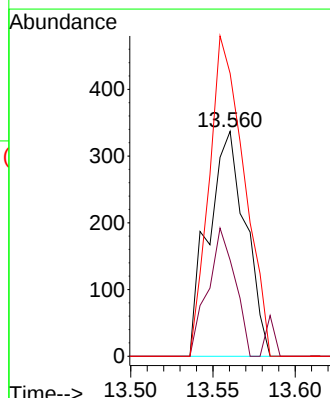
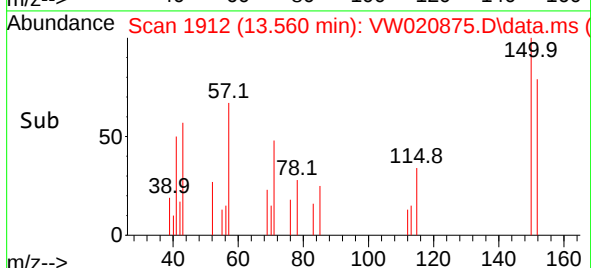
Tgt Ion:117 Resp: 1052
Ion Ratio Lower Upper
117 100
82 61.9 45.6 68.4
119 37.4 25.0 37.4

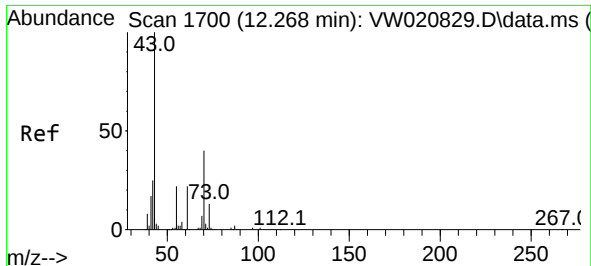


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01



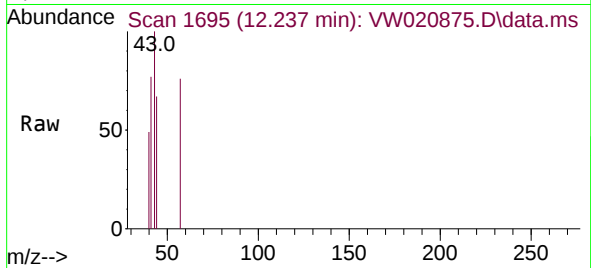
Tgt Ion:152 Resp: 531
Ion Ratio Lower Upper
152 100
115 41.4 29.6 88.9
150 134.1 0.0 352.6



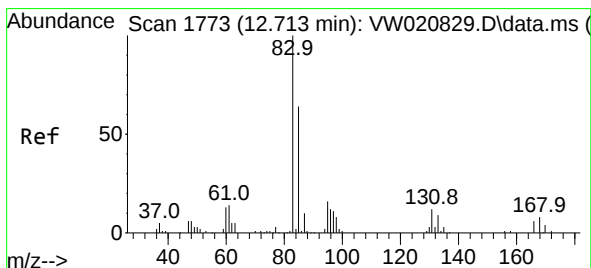
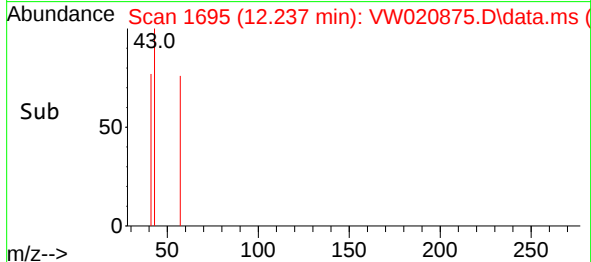
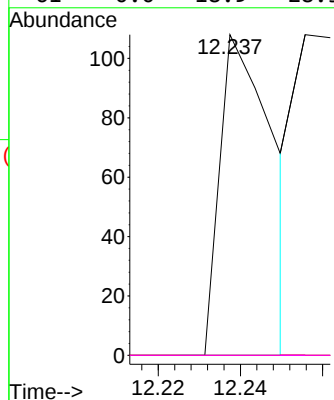


#74
N-amy1 acetate
Concen: 12.264 ug/l
RT: 12.237 min Scan# 1
Delta R.T. -0.030 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Instrument :
MSVOA_W
ClientSampleId :

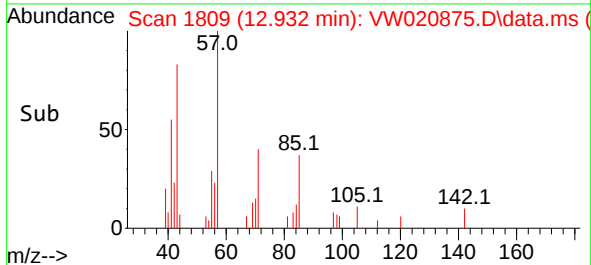
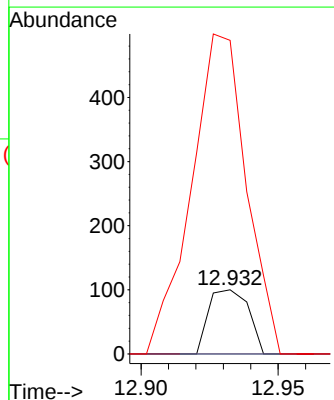
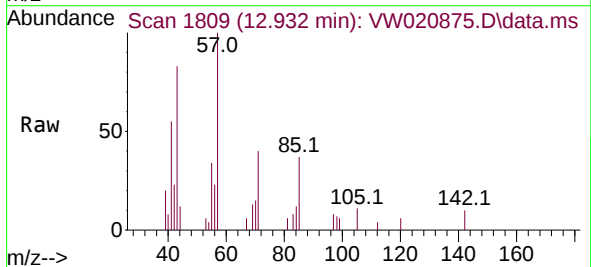


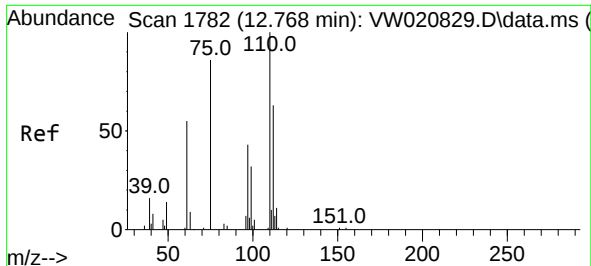
Tgt Ion: 43	Resp: 97
Ion Ratio	Lower Upper
43 100	
70 0.0	33.4 50.2#
55 0.0	20.1 30.1#
61 0.0	18.9 28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 17.081 ug/l
RT: 12.932 min Scan# 1809
Delta R.T. 0.220 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Tgt Ion: 83	Resp: 101
Ion Ratio	Lower Upper
83 100	
131 0.0	5.8 17.3#
85 689.1	31.8 95.4#

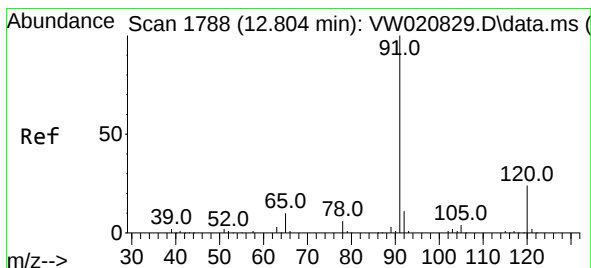
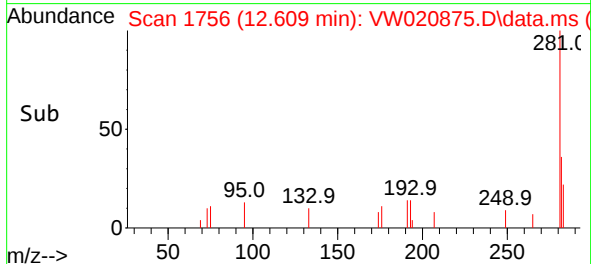
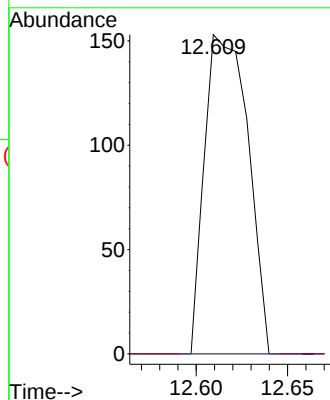
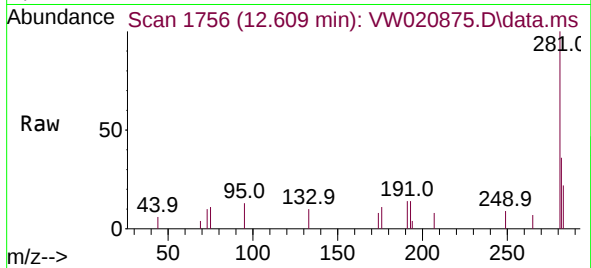




#76
1,2,3-Trichloropropane
Concen: 61.968 ug/l
RT: 12.609 min Scan# 1756
Delta R.T. -0.158 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

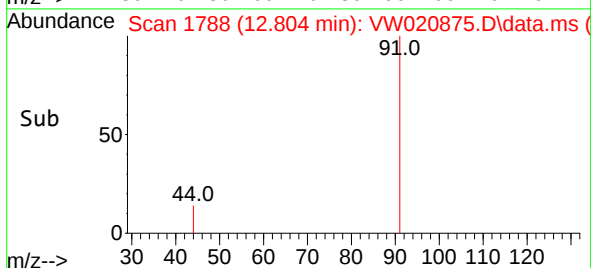
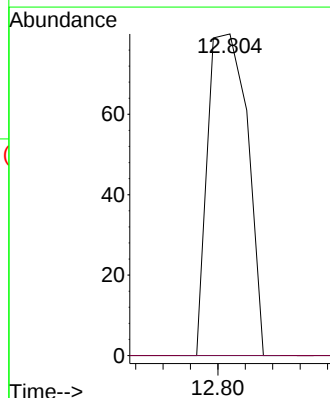
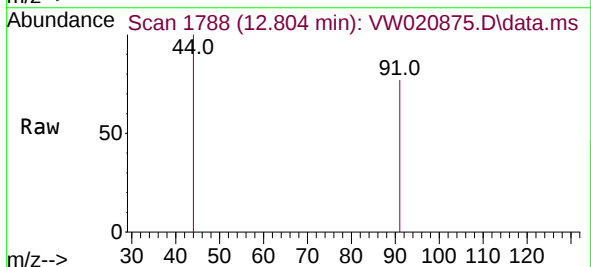
Instrument :
MSVOA_W
ClientSampleId :

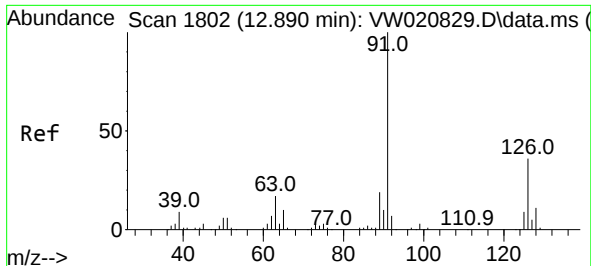
Tgt Ion: 75 Resp: 253
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.988 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Tgt Ion: 91 Resp: 80
Ion Ratio Lower Upper
91 100
120 0.0 11.7 35.0#





#79

2-Chlorotoluene

Concen: 3.624 ug/l

RT: 12.804 min Scan# 11

Delta R.T. -0.085 min

Lab File: VW020875.D

Acq: 13 Nov 2021 00:01

Instrument :

MSVOA_W

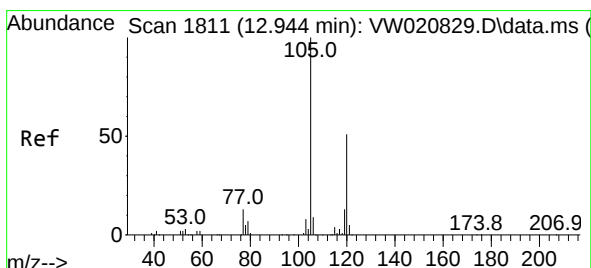
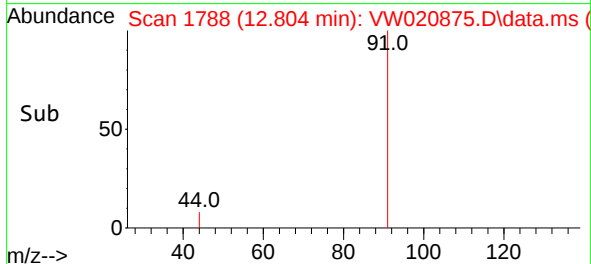
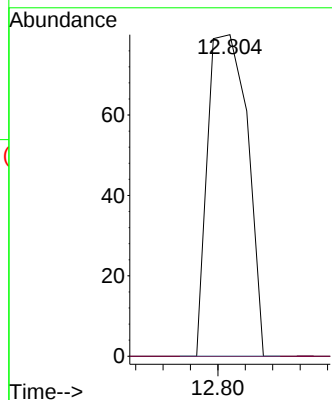
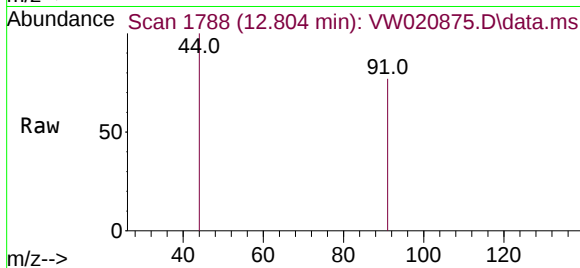
ClientSampleId :

Tgt Ion: 91 Resp: 80

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.0#



#80

1,3,5-Trimethylbenzene

Concen: 10.871 ug/l

RT: 12.939 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW020875.D

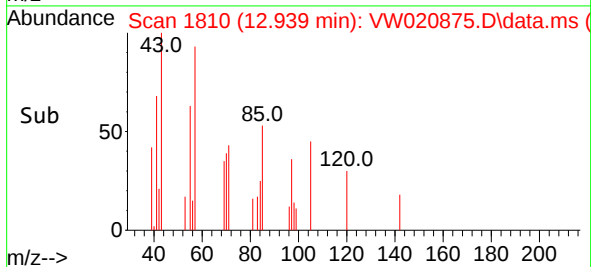
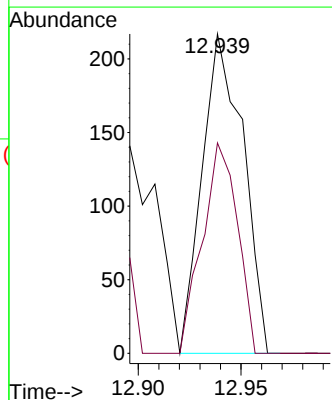
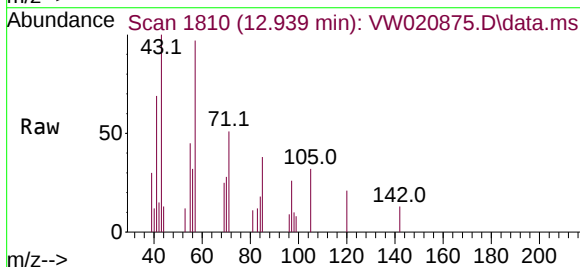
Acq: 13 Nov 2021 00:01

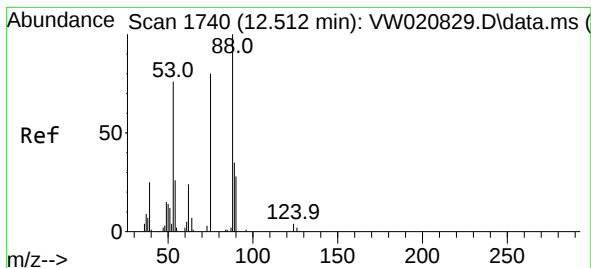
Tgt Ion:105 Resp: 300

Ion Ratio Lower Upper

105 100

120 56.7 24.3 72.9

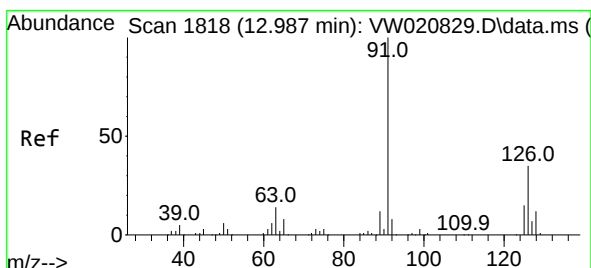
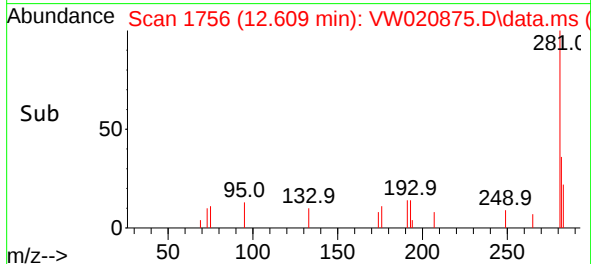
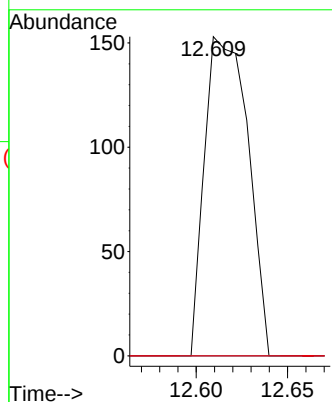
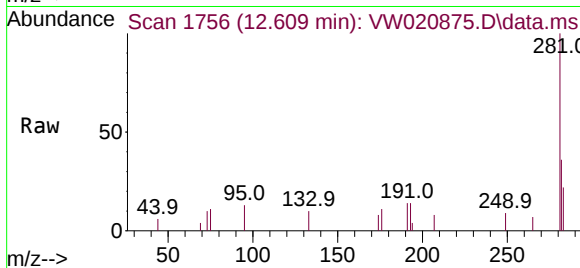




#81
trans-1,4-Dichloro-2-butene
Concen: 121.979 ug/l
RT: 12.609 min Scan# 1756
Delta R.T. 0.098 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

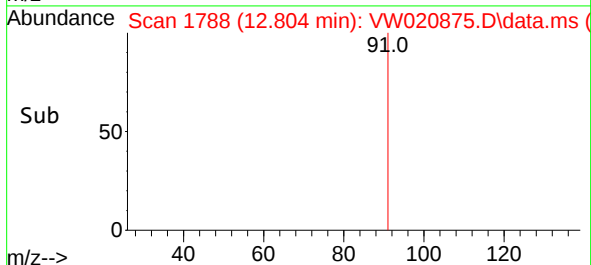
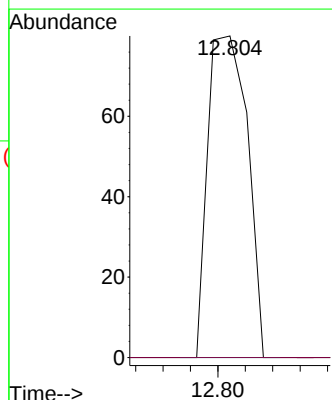
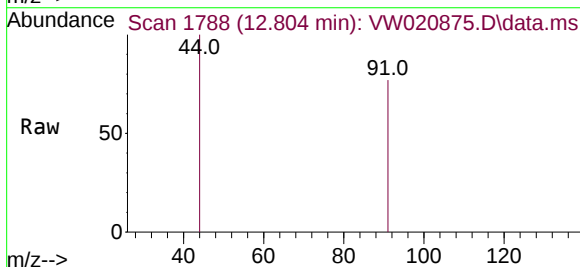
Instrument :
MSVOA_W
ClientSampleId :

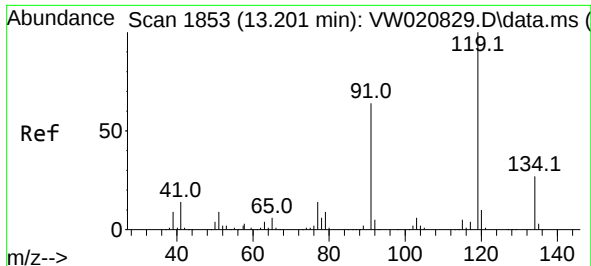
Tgt Ion: 75 Resp: 253
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 36.7 55.1#



#82
4-Chlorotoluene
Concen: 3.502 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. -0.183 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Tgt Ion: 91 Resp: 80
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.4#

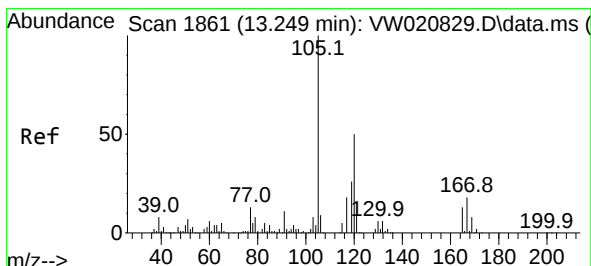
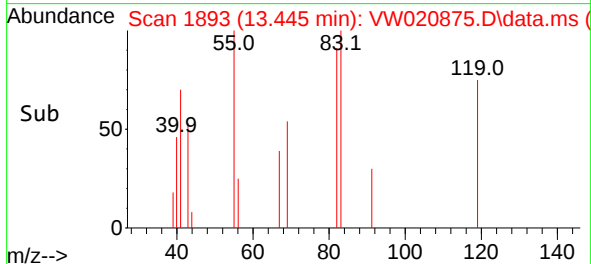
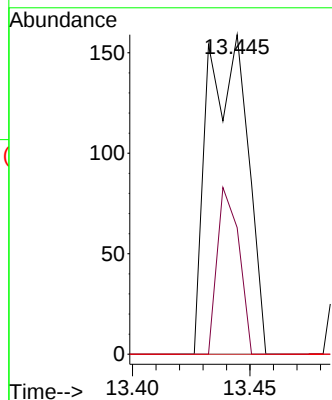
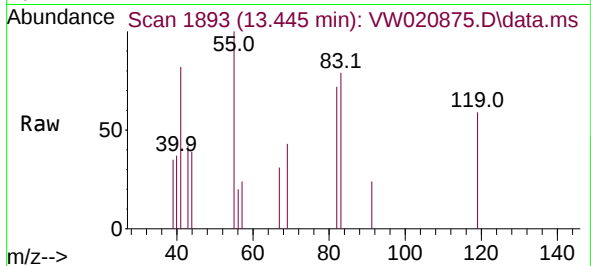




#83
tert-Butylbenzene
Concen: 7.256 ug/l
RT: 13.445 min Scan# 1883
Delta R.T. 0.244 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

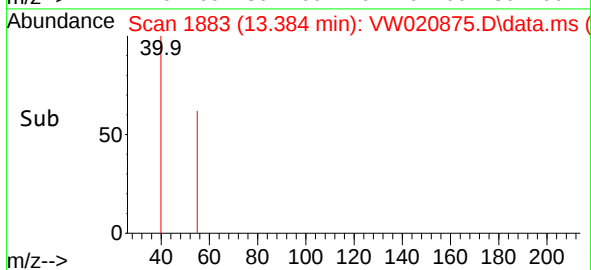
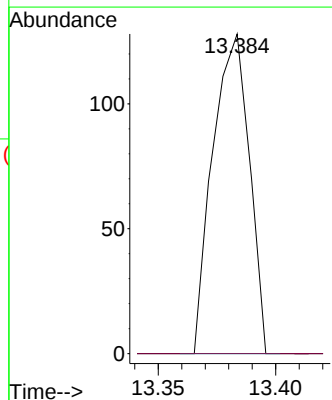
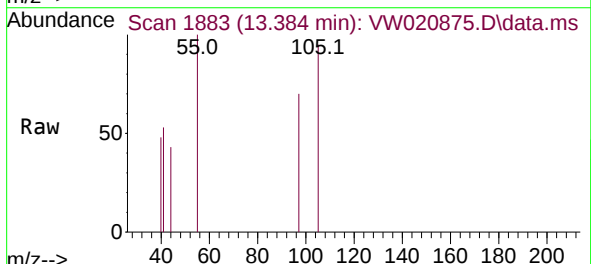
Instrument :
MSVOA_W
ClientSampleId :

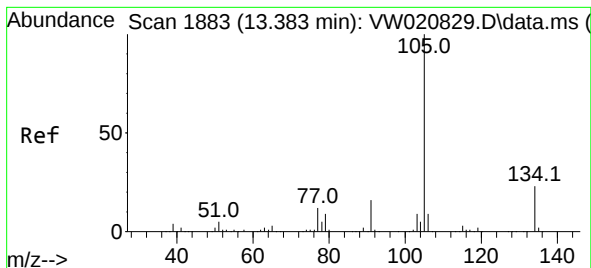
Tgt Ion:119 Resp: 188
Ion Ratio Lower Upper
119 100
91 28.2 32.9 98.7#
134 0.0 12.4 37.2#



#84
1,2,4-Trimethylbenzene
Concen: 5.088 ug/l
RT: 13.384 min Scan# 1883
Delta R.T. 0.134 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Tgt Ion:105 Resp: 138
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.7#





#85

sec-Butylbenzene

Concen: 3.726 ug/l

RT: 13.384 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW020875.D

Acq: 13 Nov 2021 00:01

Instrument :

MSVOA_W

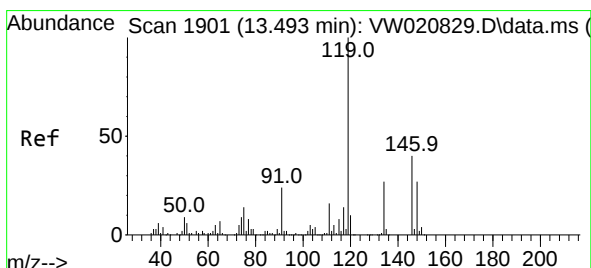
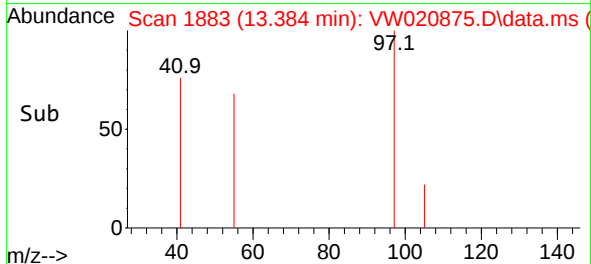
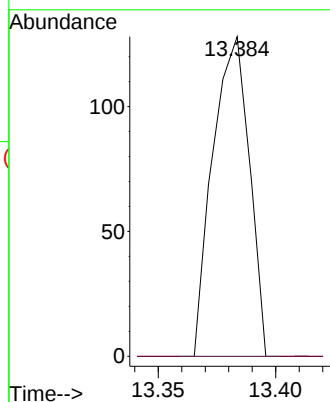
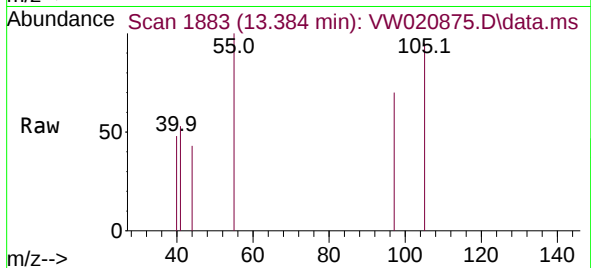
ClientSampleId :

Tgt Ion:105 Resp: 138

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 3.780 ug/l

RT: 13.493 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VW020875.D

Acq: 13 Nov 2021 00:01

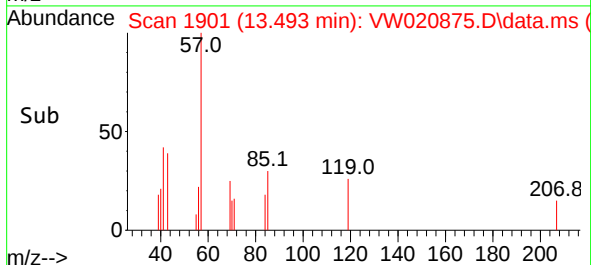
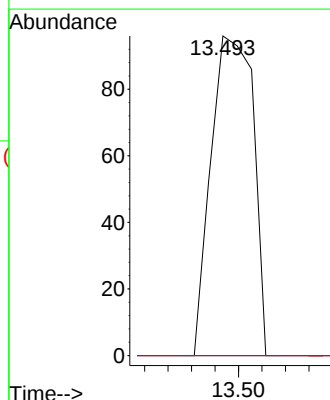
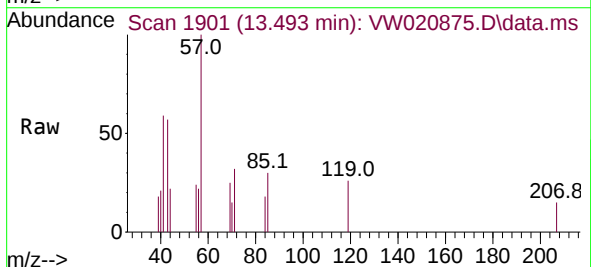
Tgt Ion:119 Resp: 120

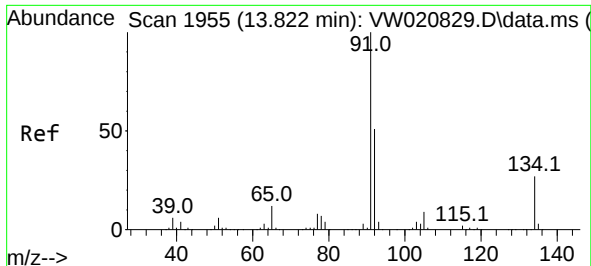
Ion Ratio Lower Upper

119 100

134 0.0 13.0 38.9#

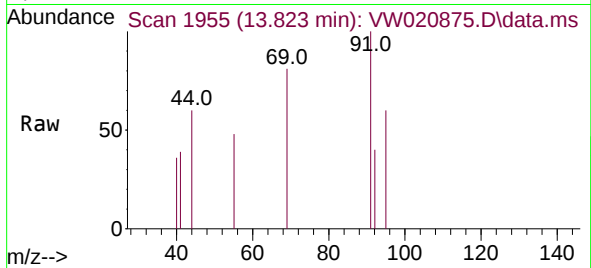
91 0.0 12.0 36.0#



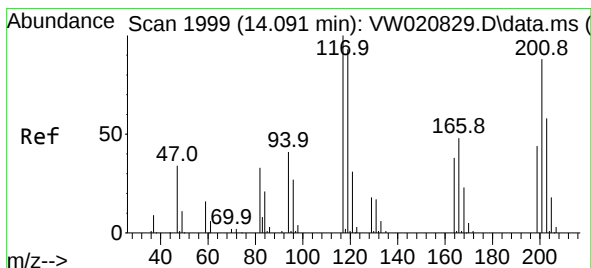
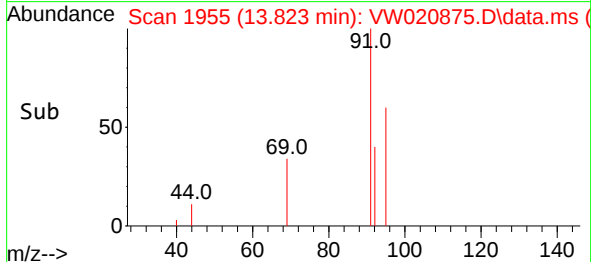
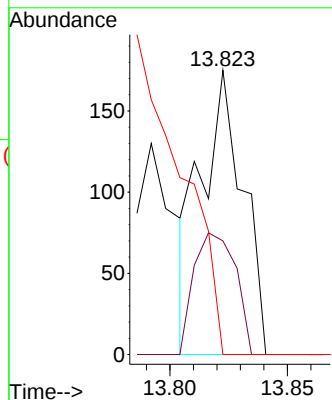


#89
n-Butylbenzene
Concen: 7.309 ug/l
RT: 13.823 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 91 Resp: 216
Ion Ratio Lower Upper
91 100
92 43.1 27.1 81.2
134 0.0 13.4 40.1#



#90
Hexachloroethane
Concen: 3.768 ug/l
RT: 14.097 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VW020875.D
Acq: 13 Nov 2021 00:01

Tgt Ion: 117 Resp: 23
Ion Ratio Lower Upper
117 100
201 0.0 42.4 127.3#

