

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021449.D
 Acq On : 18 Dec 2021 02:52
 Operator : SY/VA
 Sample : M5153-06
 Misc : 5.42g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 04:00:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	94687	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	101539	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	56587	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	16223	9.407	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	37.640%
7) Chloroethane-d5	2.879	69	12300	10.789	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	43.160%
11) 1,1-Dichloroethene-d2	4.013	63	24750	10.765	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.080%#
21) 2-Butanone-d5	7.080	46	20136	82.835	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	165.660%#
24) Chloroform-d	7.647	84	54472	20.643	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.560%
26) 1,2-Dichloroethane-d4	8.305	65	38081	27.131	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.520%
32) Benzene-d6	8.275	84	103453	18.588	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.360%
36) 1,2-Dichloropropane-d6	9.274	67	32951	22.075	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.320%
41) Toluene-d8	10.323	98	100043	17.592	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.360%
43) trans-1,3-Dichloroprop...	10.579	79	14889	21.663	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.640%
47) 2-Hexanone-d5	10.927	63	16408	74.337	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.680%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	30616	23.860	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.440%
66) 1,2-Dichlorobenzene-d4	13.853	152	41188	18.781	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.120%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	16325	74.913	ug/L	90
22) 2-Butanone	7.177	43	3700	13.001	ug/L	92
34) Trichloroethene	8.842	95	2891	1.862	ug/L	# 5
37) 1,2-Dichloropropane	9.274	63	4053	3.285	ug/L	# 88
39) cis-1,3-Dichloropropene	10.036	75	1119	0.575	ug/L	# 63
40) 4-Methyl-2-pentanone	10.213	43	2130	3.168	ug/L	# 89
51) Chlorobenzene	11.658	112	175473	40.514	ug/L	90
52) Ethylbenzene	11.731	91	39111	5.291	ug/L	94
53) m,p-Xylene	11.835	106	18864	6.325	ug/L	98
54) o-Xylene	12.164	106	28144	9.944	ug/L	96
55) Styrene	12.170	104	2955	0.613	ug/L	# 1
60) Isopropylbenzene	12.463	105	31890	4.147	ug/L	98
61) 1,2,3-Trichloropropane	12.829	75	1112	1.350	ug/L	# 1
62) 1,3,5-Trimethylbenzene	12.938	105	34771	5.314	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	304267	47.141	ug/L	95
64) 1,3-Dichlorobenzene	13.499	146	7480	2.062	ug/L	# 82
65) 1,4-Dichlorobenzene	13.572	146	37592	10.433	ug/L	93
67) 1,2-Dichlorobenzene	13.865	146	49335	15.451	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.450	75	1658	9.760	ug/L	# 15

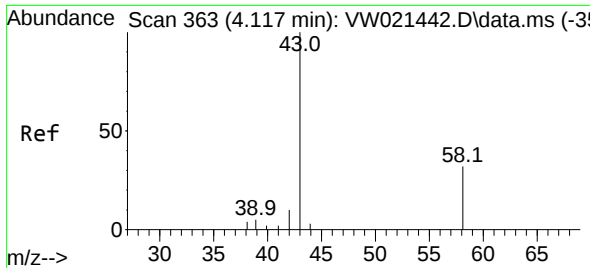
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
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Acq On : 18 Dec 2021 02:52
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Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.133	180	123939	56.845	ug/L #	86
71) Naphthalene	15.365	128	1100407	310.654	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	32582	18.082	ug/L #	69

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



#13

Acetone

Concen: 74.913 ug/L

RT: 4.135 min Scan# 3

Delta R.T. 0.018 min

Lab File: VW021449.D

Acq: 18 Dec 2021 02:52

Instrument :

MSVOA_W

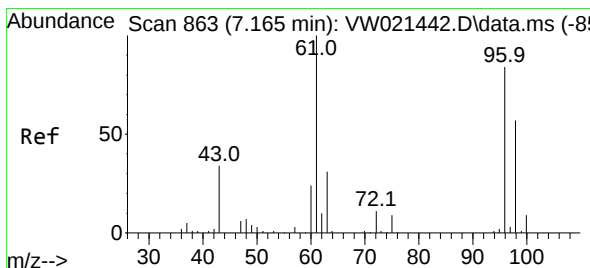
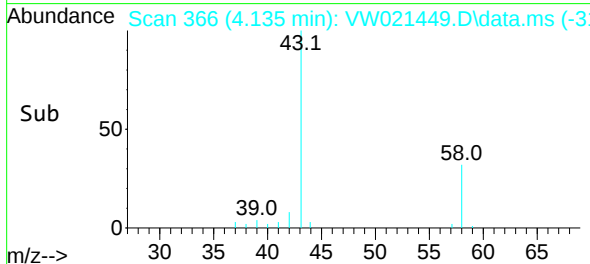
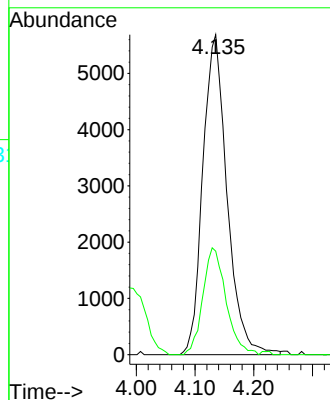
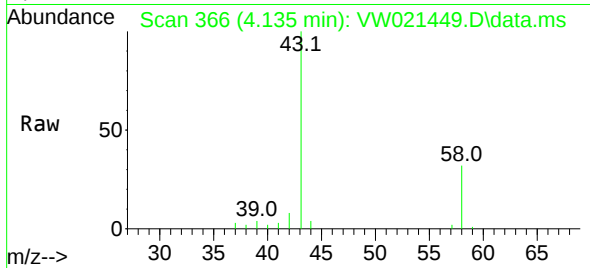
ClientSampleId :

Tgt Ion: 43 Resp: 16325

Ion Ratio Lower Upper

43 100

58 31.6 0.0 52.8



#22

2-Butanone

Concen: 13.001 ug/L

RT: 7.177 min Scan# 865

Delta R.T. 0.012 min

Lab File: VW021449.D

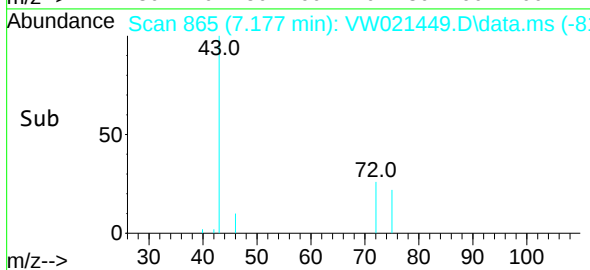
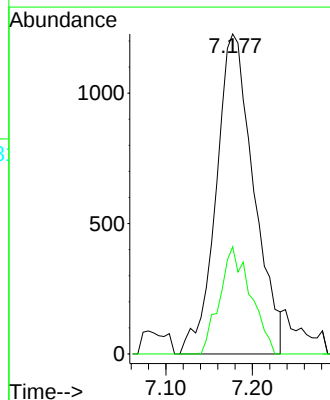
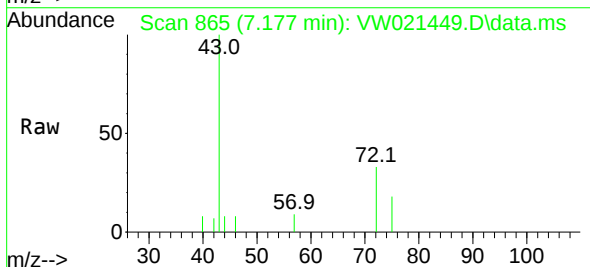
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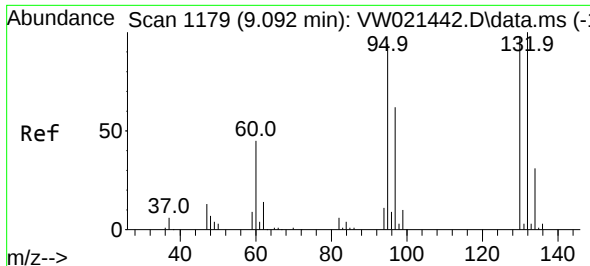
Tgt Ion: 43 Resp: 3700

Ion Ratio Lower Upper

43 100

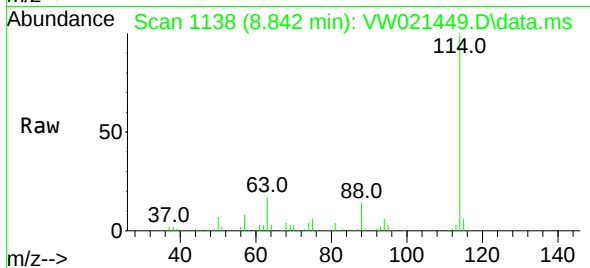
72 27.5 11.8 35.4



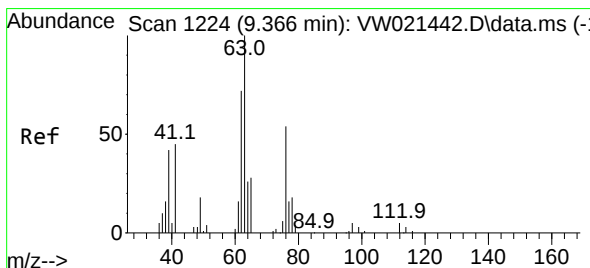
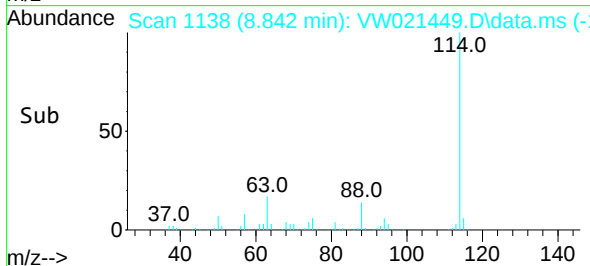
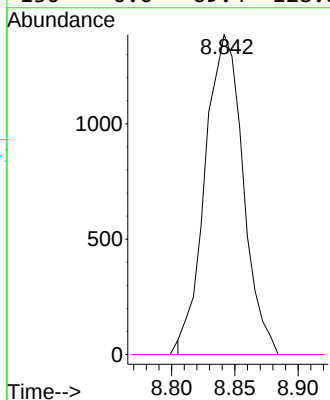


#34
Trichloroethene
Concen: 1.862 ug/L
RT: 8.842 min Scan# 1179
Delta R.T. -0.250 min
Lab File: VW021449.D
Acq: 18 Dec 2021 02:52

Instrument :
MSVOA_W
ClientSampleId :

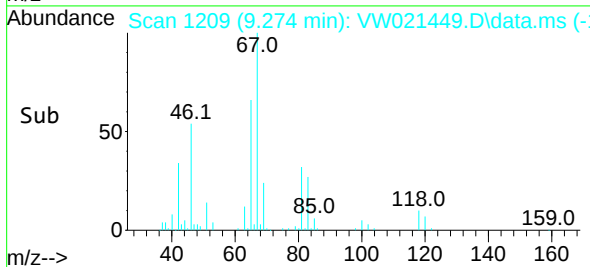
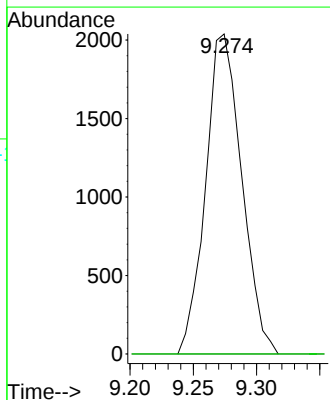
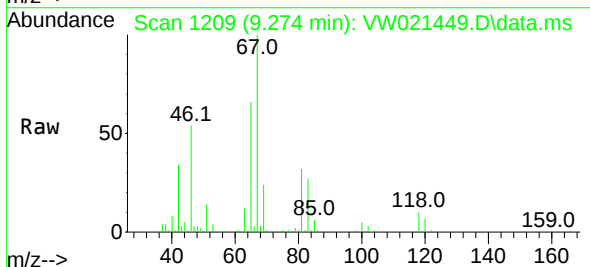


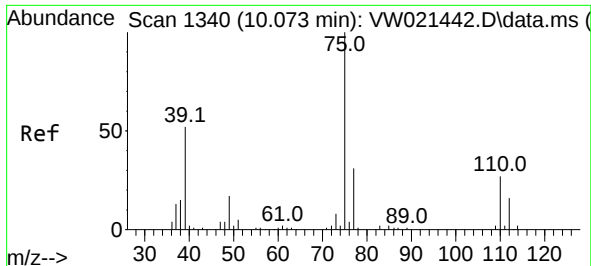
Tgt Ion: 95	Resp: 2891
Ion Ratio	Lower Upper
95	100
97	0.0 47.0 87.2#
132	0.0 65.5 121.6#
130	0.0 69.4 128.8#



#37
1,2-Dichloropropane
Concen: 3.285 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.092 min
Lab File: VW021449.D
Acq: 18 Dec 2021 02:52

Tgt Ion: 63	Resp: 4053
Ion Ratio	Lower Upper
63	100
112	0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.575 ug/L

RT: 10.036 min Scan# 1119

Delta R.T. -0.037 min

Lab File: VW021449.D

Acq: 18 Dec 2021 02:52

Instrument :

MSVOA_W

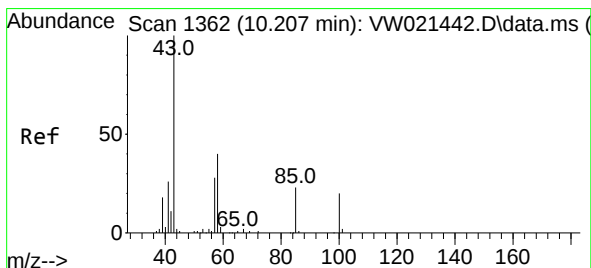
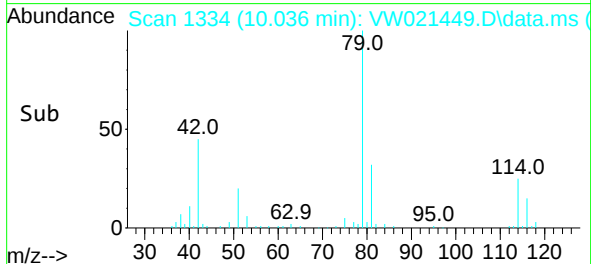
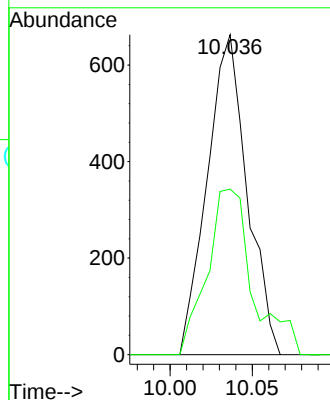
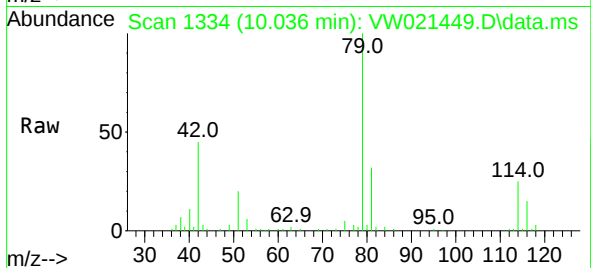
ClientSampleId :

Tgt Ion: 75 Resp: 1119

Ion Ratio Lower Upper

75 100

77 51.7 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 3.168 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW021449.D

Acq: 18 Dec 2021 02:52

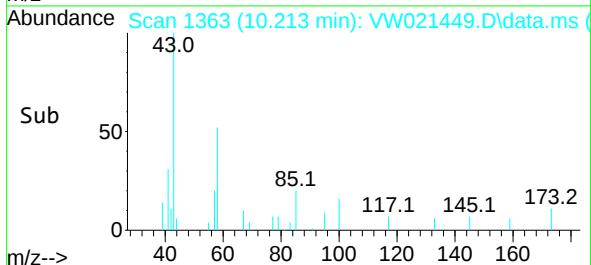
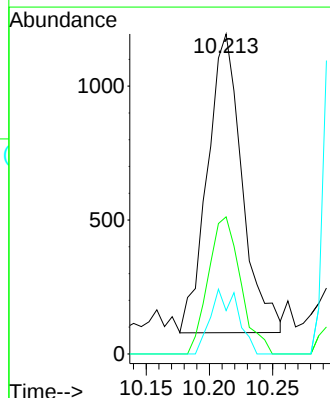
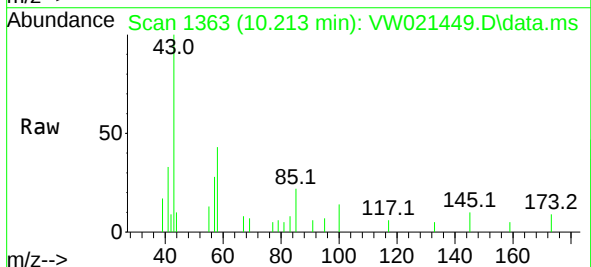
Tgt Ion: 43 Resp: 2130

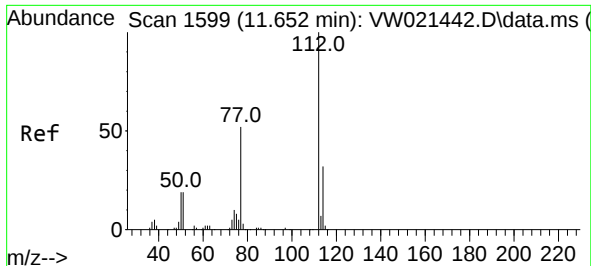
Ion Ratio Lower Upper

43 100

58 42.6 28.8 43.2

100 17.2 10.0 15.0#

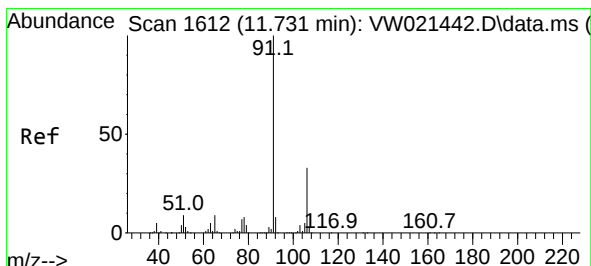
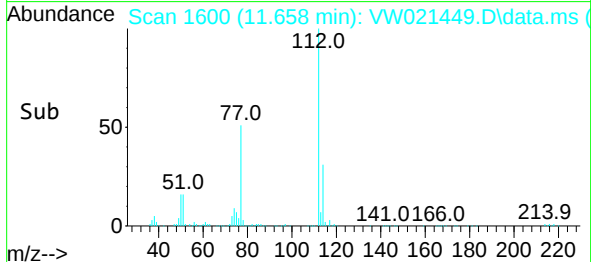
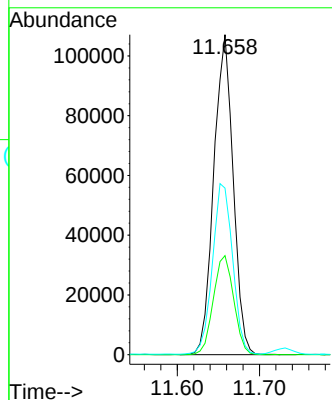
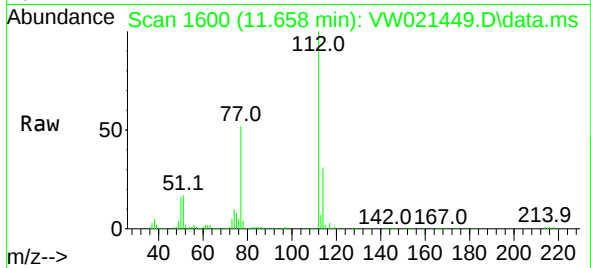




#51
Chlorobenzene
Concen: 40.514 ug/L
RT: 11.658 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW021449.D
Acq: 18 Dec 2021 02:52

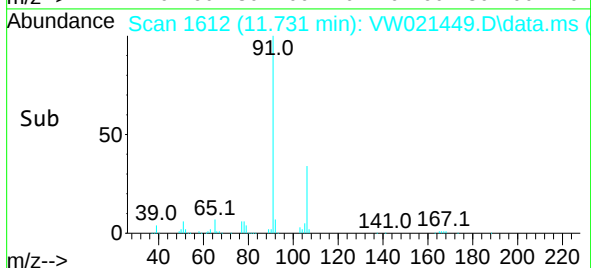
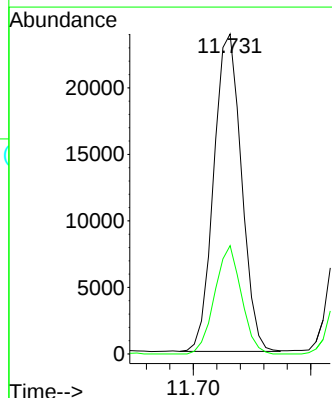
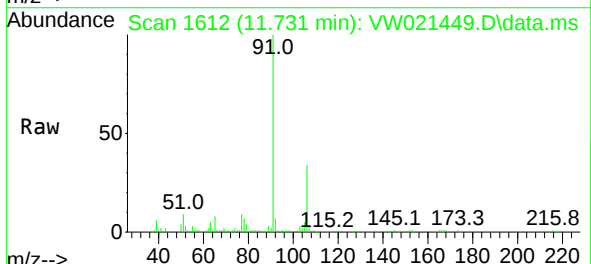
Instrument :
MSVOA_W
ClientSampleId :

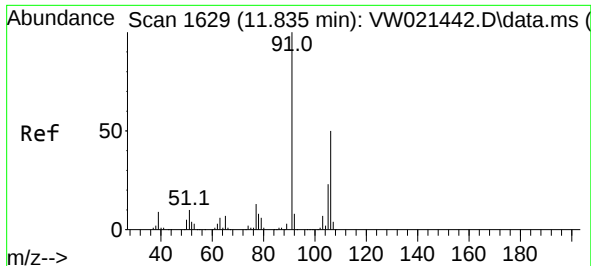
Tgt Ion:112 Resp: 175473
Ion Ratio Lower Upper
112 100
114 31.0 22.4 41.6
77 52.0 50.2 75.4



#52
Ethylbenzene
Concen: 5.291 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021449.D
Acq: 18 Dec 2021 02:52

Tgt Ion: 91 Resp: 39111
Ion Ratio Lower Upper
91 100
106 33.9 21.5 39.9

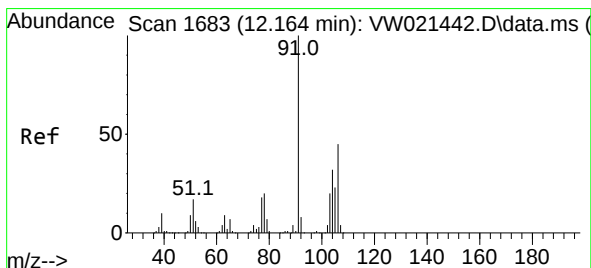
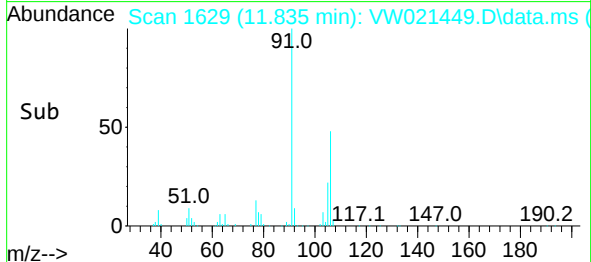
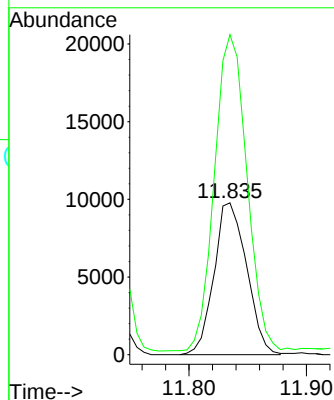
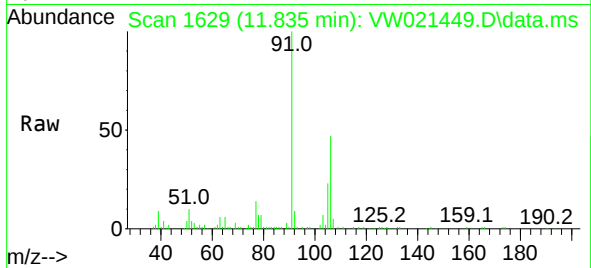




#53
m,p-Xylene
Concen: 6.325 ug/L
RT: 11.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021449.D
Acq: 18 Dec 2021 02:52

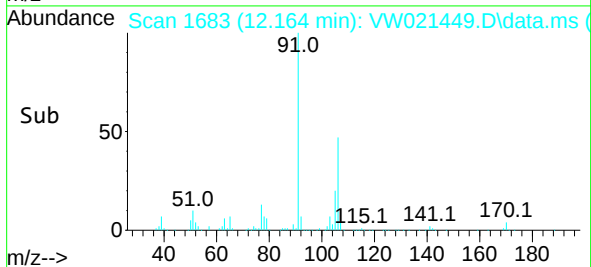
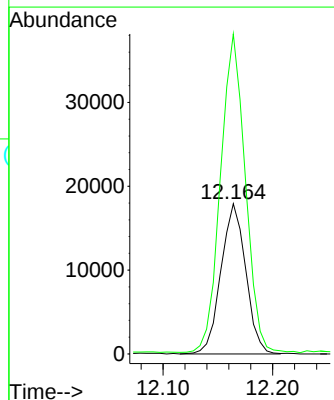
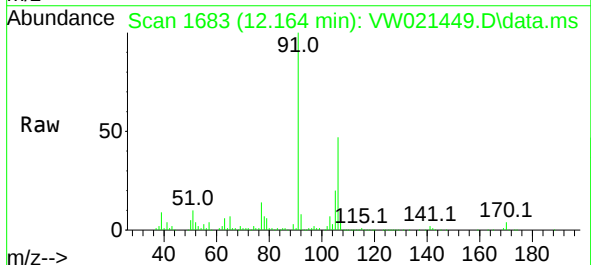
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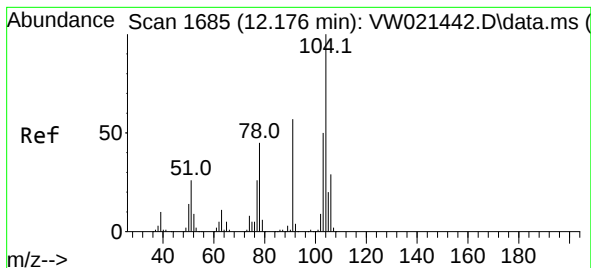
Tgt Ion:106 Resp: 18864
Ion Ratio Lower Upper
106 100
91 210.8 149.9 278.3



#54
o-Xylene
Concen: 9.944 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021449.D
Acq: 18 Dec 2021 02:52

Tgt Ion:106 Resp: 28144
Ion Ratio Lower Upper
106 100
91 212.9 153.6 285.3





#55

Styrene

Concen: 0.613 ug/L

RT: 12.170 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW021449.D

Acq: 18 Dec 2021 02:52

Instrument :

MSVOA_W

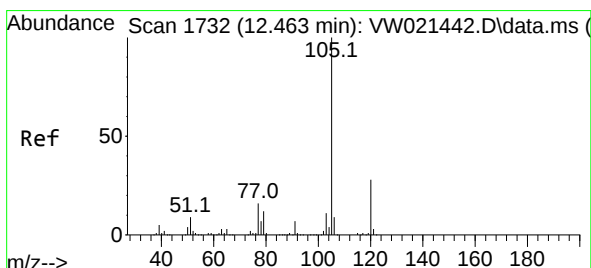
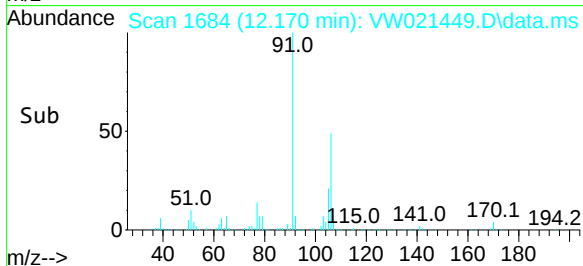
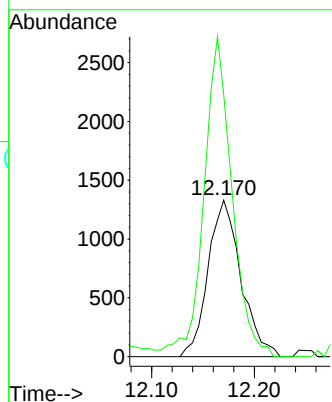
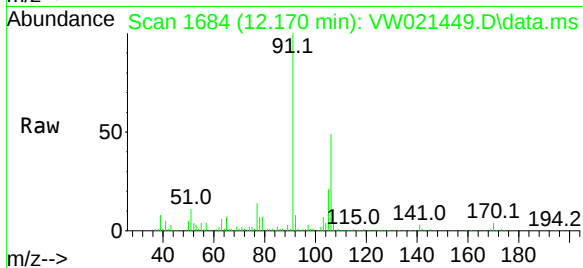
ClientSampleId :

Tgt Ion:104 Resp: 2955

Ion Ratio Lower Upper

104 100

78 167.5 34.4 64.0#



#60

Isopropylbenzene

Concen: 4.147 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW021449.D

Acq: 18 Dec 2021 02:52

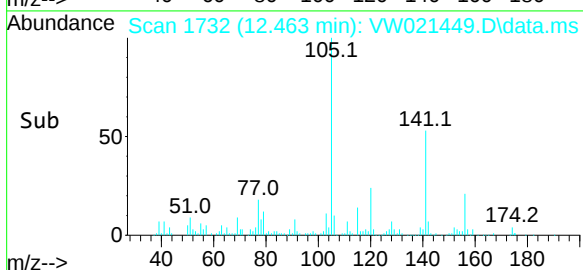
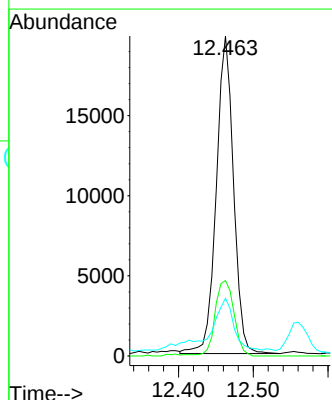
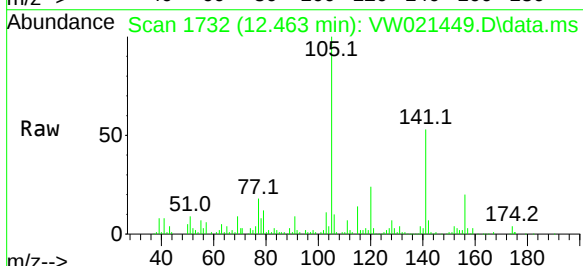
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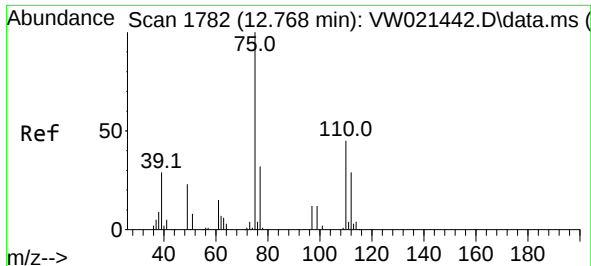
Ion Ratio Lower Upper

105 100

120 25.7 20.1 30.1

77 18.9 13.8 20.8

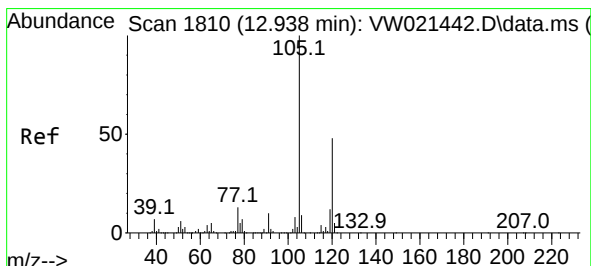
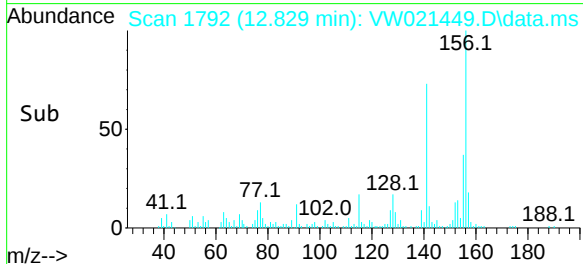
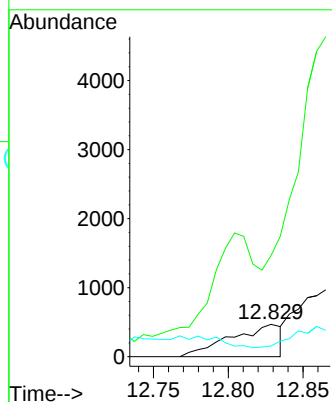
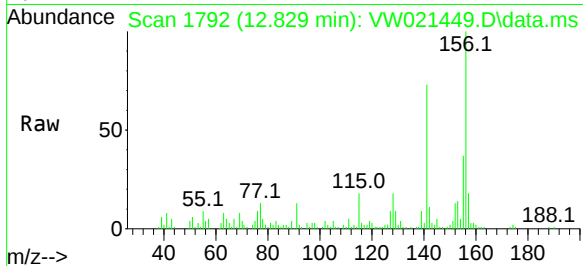




#61
 1,2,3-Trichloropropane
 Concen: 1.350 ug/L
 RT: 12.829 min Scan# 1112
 Delta R.T. 0.061 min
 Lab File: VW021449.D
 Acq: 18 Dec 2021 02:52

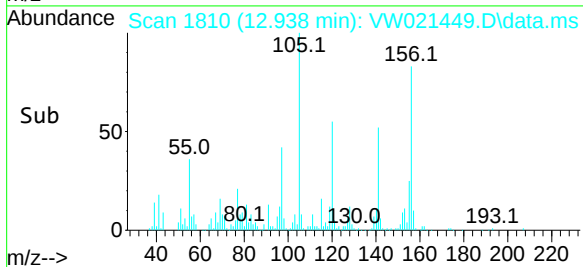
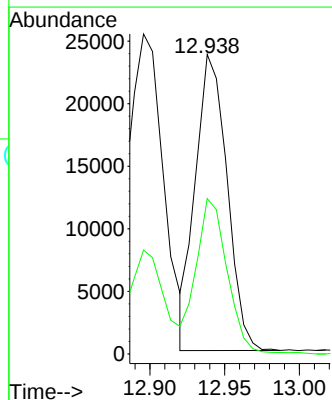
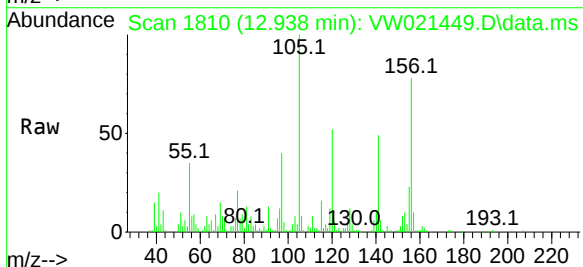
Instrument :
 MSVOA_W
 ClientSampleId :

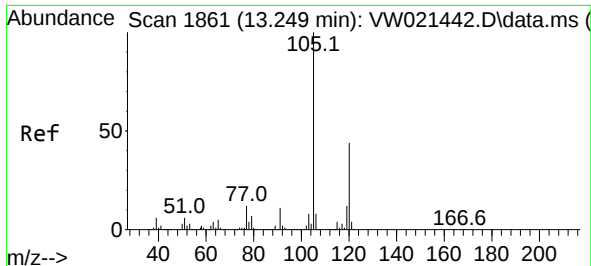
Tgt Ion: 75 Resp: 1112
 Ion Ratio Lower Upper
 75 100
 77 275.7 25.8 38.8#
 110 27.8 29.0 43.4#



#62
 1,3,5-Trimethylbenzene
 Concen: 5.314 ug/L
 RT: 12.938 min Scan# 1810
 Delta R.T. -0.000 min
 Lab File: VW021449.D
 Acq: 18 Dec 2021 02:52

Tgt Ion:105 Resp: 34771
 Ion Ratio Lower Upper
 105 100
 120 50.3 37.4 56.2

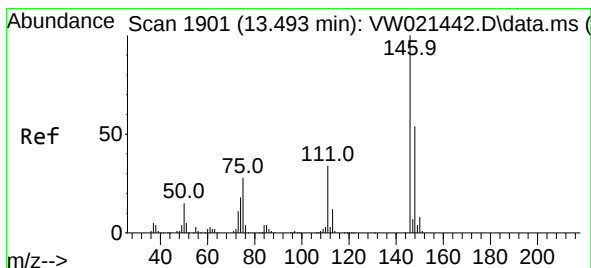
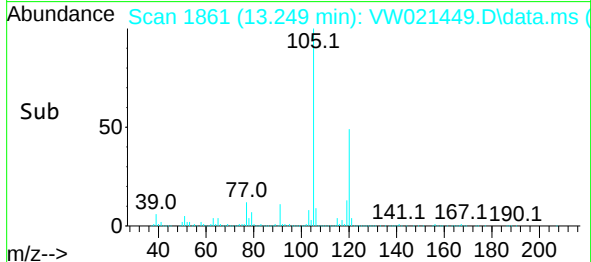
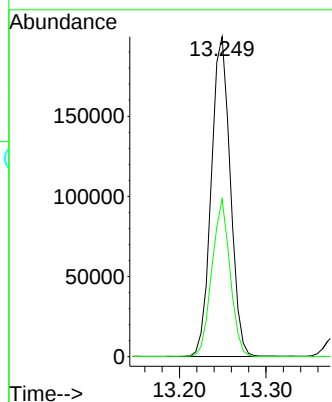
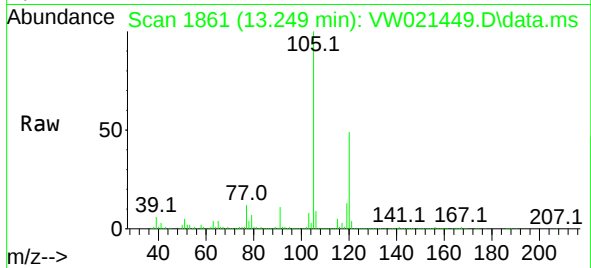




#63
1,2,4-Trimethylbenzene
Concen: 47.141 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021449.D
Acq: 18 Dec 2021 02:52

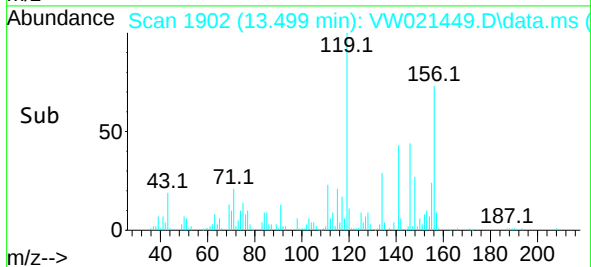
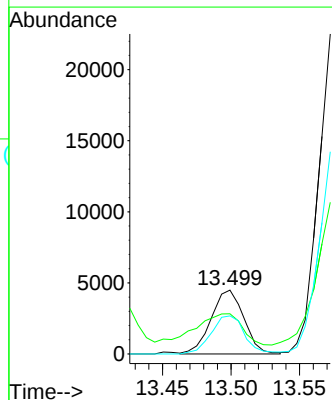
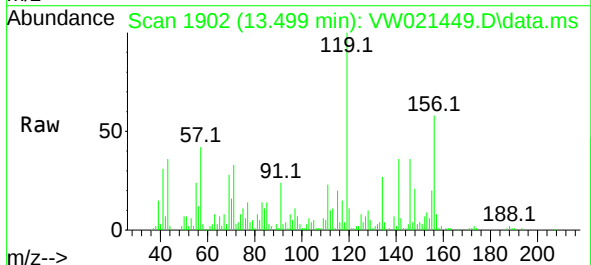
Instrument :
MSVOA_W
ClientSampleId :

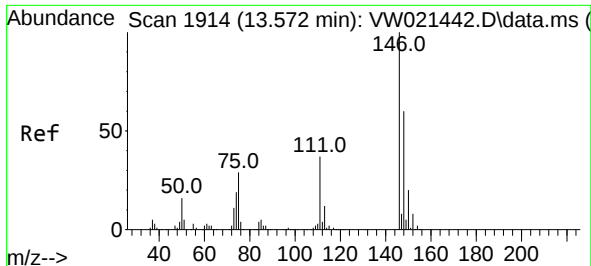
Tgt Ion:105 Resp: 304267
Ion Ratio Lower Upper
105 100
120 46.9 35.0 52.6



#64
1,3-Dichlorobenzene
Concen: 2.062 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VW021449.D
Acq: 18 Dec 2021 02:52

Tgt Ion:146 Resp: 7480
Ion Ratio Lower Upper
146 100
111 63.1 29.8 55.3#
148 59.7 46.2 85.8





#65

1,4-Dichlorobenzene

Concen: 10.433 ug/L

RT: 13.572 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW021449.D

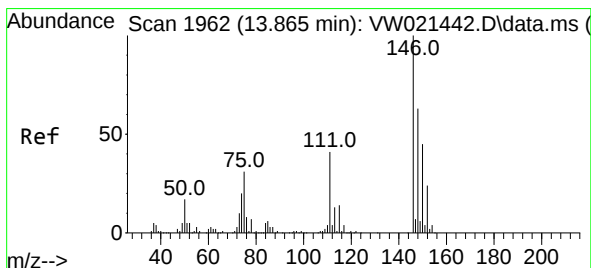
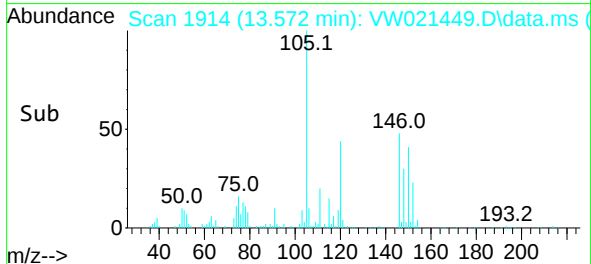
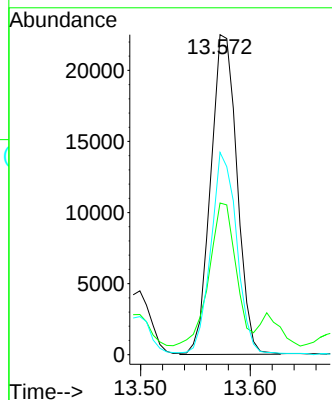
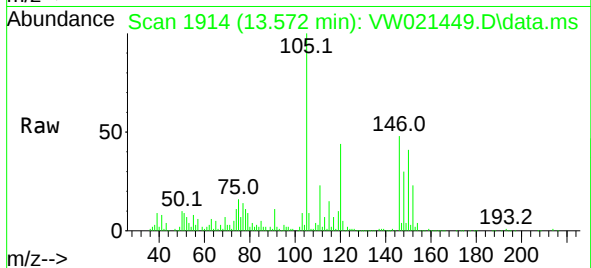
Acq: 18 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	37592
Ion	Ratio	Lower Upper
146	100	
111	47.4	29.0 53.9
148	63.2	46.9 87.1



#67

1,2-Dichlorobenzene

Concen: 15.451 ug/L

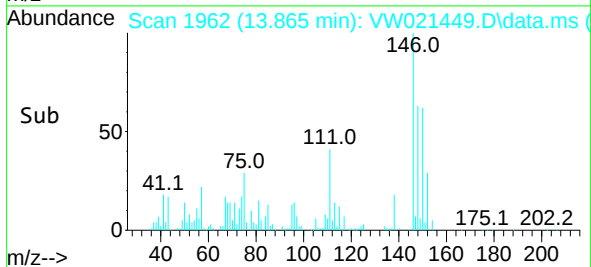
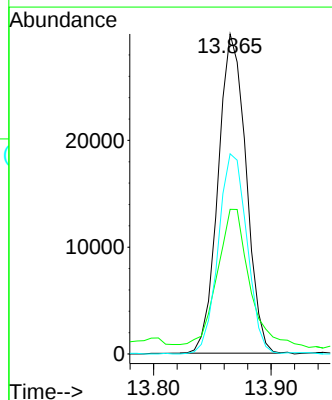
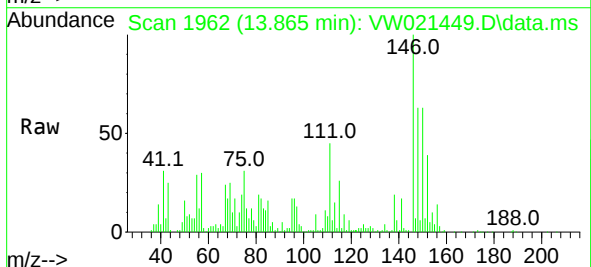
RT: 13.865 min Scan# 1962

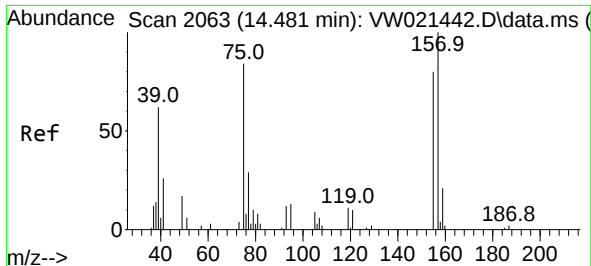
Delta R.T. -0.000 min

Lab File: VW021449.D

Acq: 18 Dec 2021 02:52

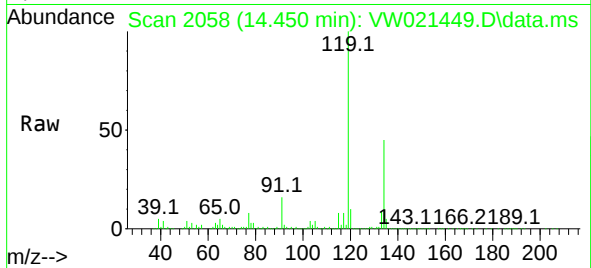
Tgt Ion:146	Resp:	49335
Ion	Ratio	Lower Upper
146	100	
111	45.2	33.1 49.7
148	62.6	47.4 71.2



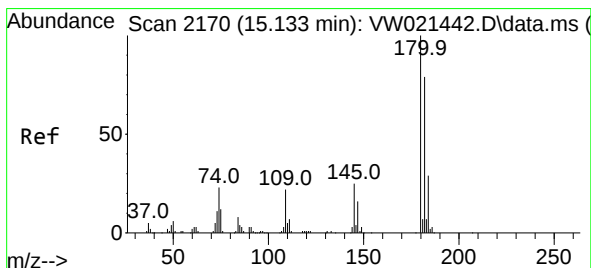
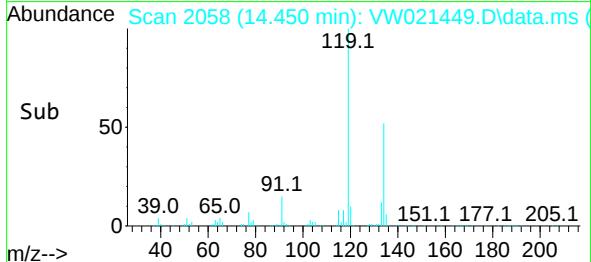
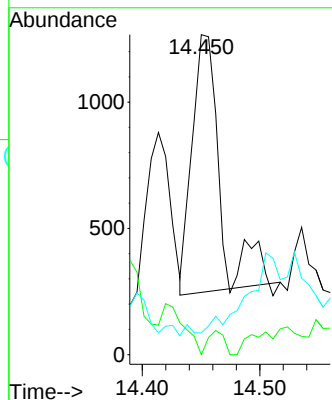


#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.760 ug/L
 RT: 14.450 min Scan# 2063
 Delta R.T. -0.031 min
 Lab File: VW021449.D
 Acq: 18 Dec 2021 02:52

Instrument :
 MSVOA_W
 ClientSampleId :

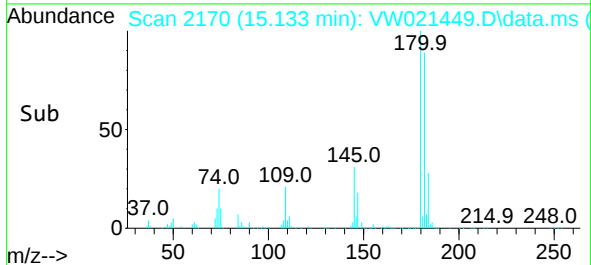
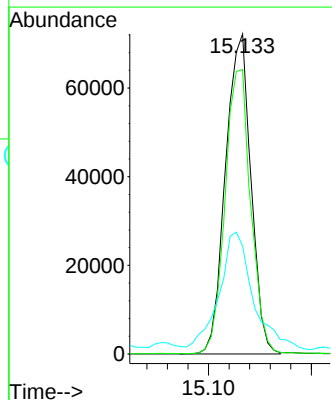
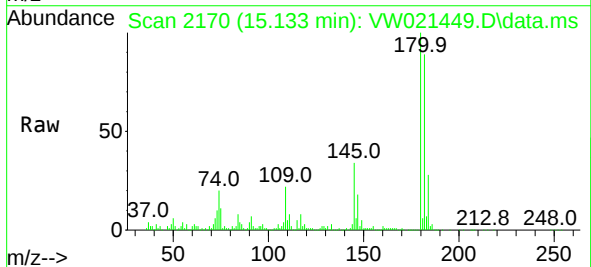


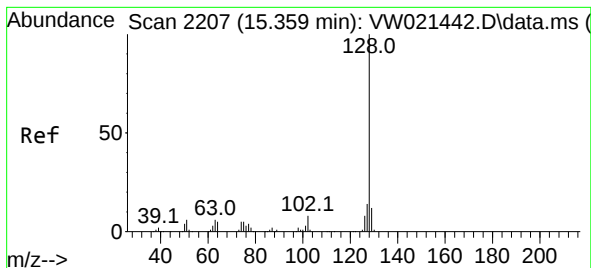
Tgt Ion: 75 Resp: 1658
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.2 81.2#
 157 6.8 69.4 104.2#



#70
 1,2,4-trichlorobenzene
 Concen: 56.845 ug/L
 RT: 15.133 min Scan# 2170
 Delta R.T. -0.000 min
 Lab File: VW021449.D
 Acq: 18 Dec 2021 02:52

Tgt Ion:180 Resp: 123939
 Ion Ratio Lower Upper
 180 100
 182 89.7 79.0 118.6
 145 49.4 26.0 39.0#





#71

Naphthalene

Concen: 310.654 ug/L

RT: 15.365 min Scan# 2207

Delta R.T. 0.006 min

Lab File: VW021449.D

Acq: 18 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

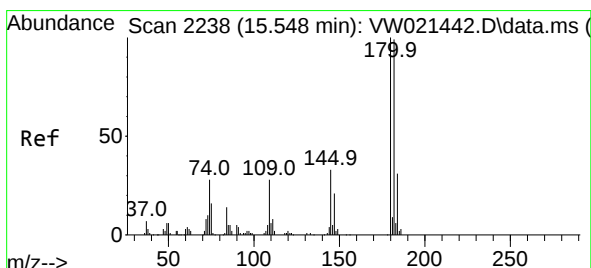
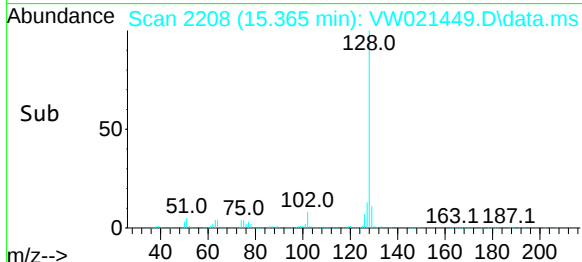
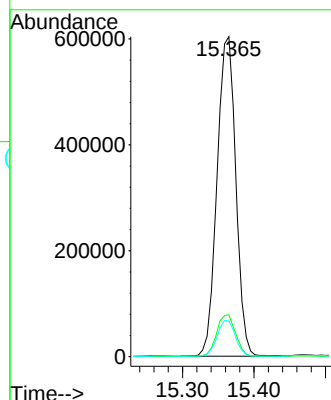
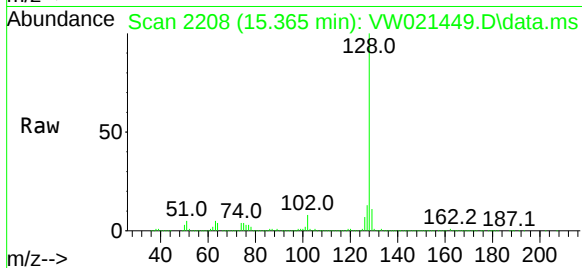
Tgt Ion:128 Resp: 1100407

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 18.082 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW021449.D

Acq: 18 Dec 2021 02:52

Tgt Ion:180 Resp: 32582

Ion Ratio Lower Upper

180 100

182 94.2 76.6 114.8

145 99.6 27.4 41.0#

