

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021455.D
 Acq On : 18 Dec 2021 05:16
 Operator : SY/VA
 Sample : M5153-05
 Misc : 6.98g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL70

Quant Time: Dec 18 23:09:18 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	138520	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	109129	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	36821	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	35170	13.941	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.760%
7) Chloroethane-d5	2.879	69	25618	15.361	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.440%
11) 1,1-Dichloroethene-d2	4.013	63	50836	15.115	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.440%
21) 2-Butanone-d5	7.080	46	23443	65.922	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.840%
24) Chloroform-d	7.653	84	79466	20.586	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.360%
26) 1,2-Dichloroethane-d4	8.305	65	47281	23.026	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.120%
32) Benzene-d6	8.275	84	151125	25.264	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.040%
36) 1,2-Dichloropropane-d6	9.275	67	43230	26.948	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.800%
41) Toluene-d8	10.323	98	132303	21.647	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	10.579	79	14958	20.250	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.000%
47) 2-Hexanone-d5	10.921	63	19321	81.447	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	162.900%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	29133	21.125	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.520%
66) 1,2-Dichlorobenzene-d4	13.853	152	24452	17.135	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	68.560%#
Target Compounds						Qvalue
13) Acetone	4.123	43	76111	238.742	ug/L	90
14) Carbon disulfide	4.379	76	21271	4.797	ug/L #	94
22) 2-Butanone	7.171	43	22311	53.590	ug/L	90
33) Benzene	8.323	78	6301	1.060	ug/L	100
35) Methylcyclohexane	9.335	83	7327	2.662	ug/L #	83
40) 4-Methyl-2-pentanone	10.207	43	2656	3.676	ug/L #	87
42) Toluene	10.384	91	10835	1.558	ug/L	92
51) Chlorobenzene	11.658	112	82077	17.632	ug/L	89
52) Ethylbenzene	11.731	91	60810	7.654	ug/L	96
53) m,p-Xylene	11.835	106	37802	11.794	ug/L	92
54) o-Xylene	12.164	106	27739	9.119	ug/L	98
60) Isopropylbenzene	12.463	105	61784	12.349	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	55672	13.076	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	176278	41.972	ug/L	97
64) 1,3-Dichlorobenzene	13.493	146	12904	5.468	ug/L #	84
65) 1,4-Dichlorobenzene	13.573	146	66856	28.514	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	69631	33.514	ug/L	95
70) 1,2,4-trichlorobenzene	15.127	180	48201	33.975	ug/L #	86

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Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

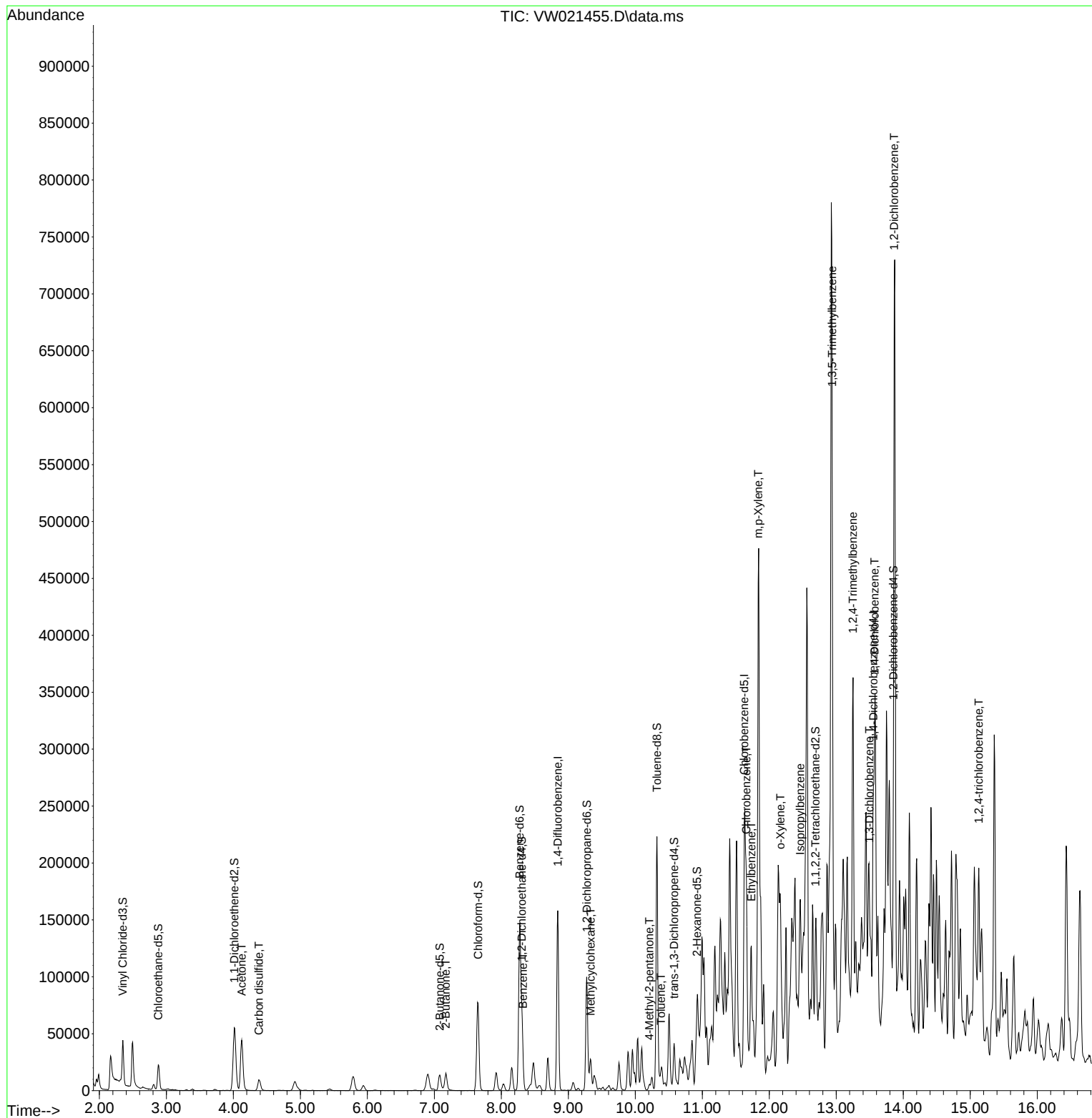
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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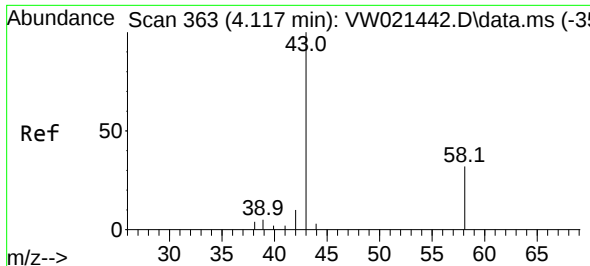
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 238.742 ug/L

RT: 4.123 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021455.D

Acq: 18 Dec 2021 05:16

Instrument :

MSVOA_W

ClientSampleId :

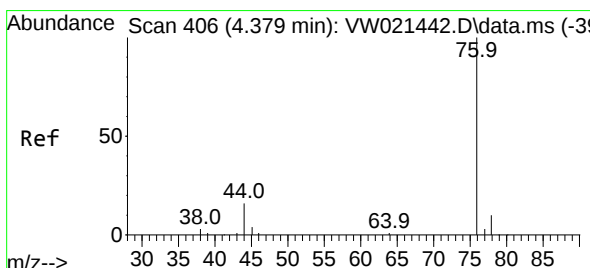
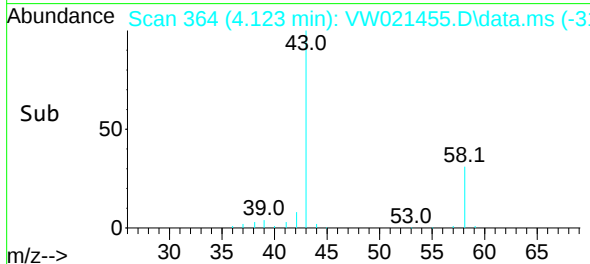
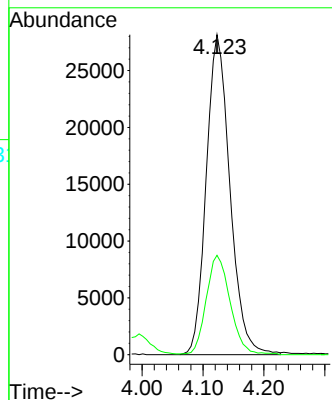
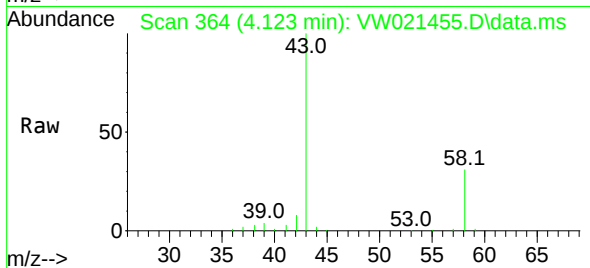
BGL70

Tgt Ion: 43 Resp: 76111

Ion Ratio Lower Upper

43 100

58 31.4 0.0 52.8



#14

Carbon disulfide

Concen: 4.797 ug/L

RT: 4.379 min Scan# 406

Delta R.T. 0.000 min

Lab File: VW021455.D

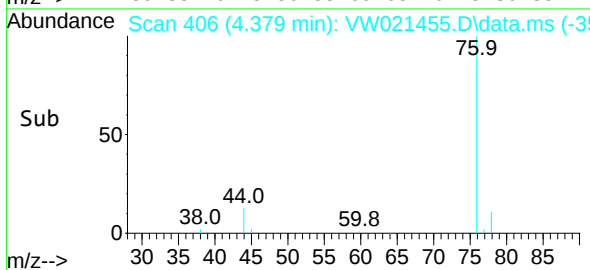
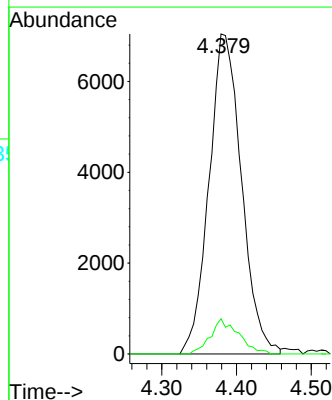
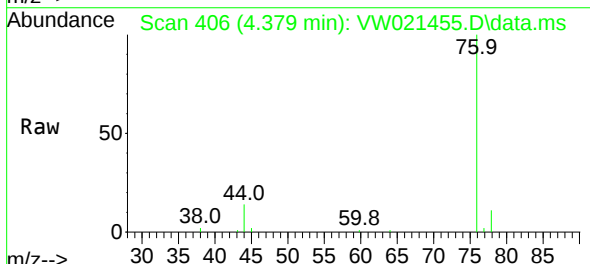
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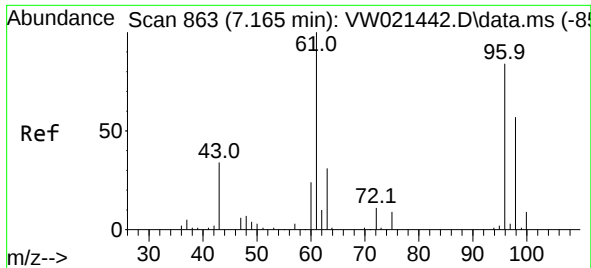
Tgt Ion: 76 Resp: 21271

Ion Ratio Lower Upper

76 100

78 11.0 7.1 10.7#

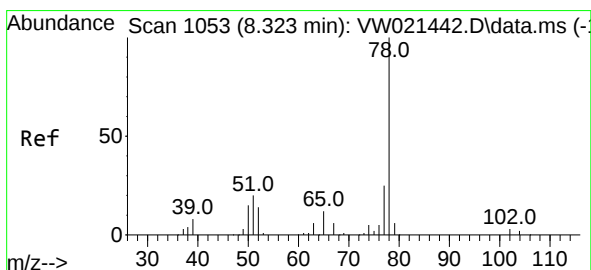
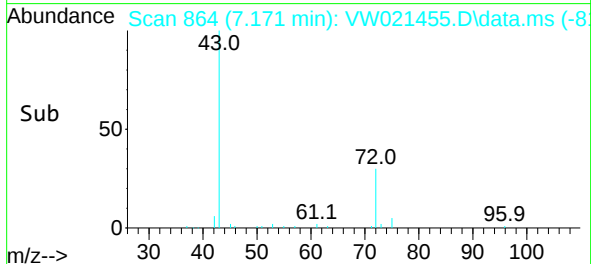
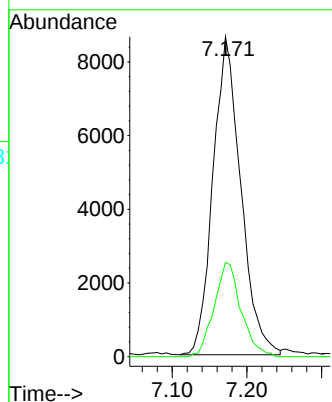
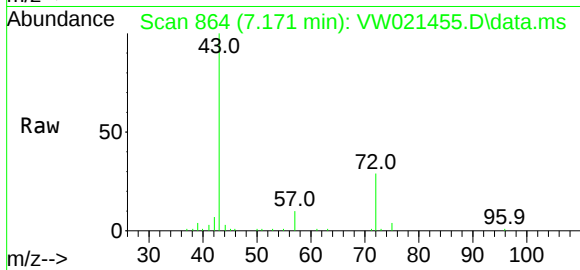




#22
2-Butanone
Concen: 53.590 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

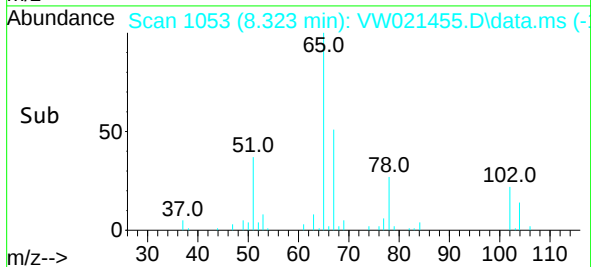
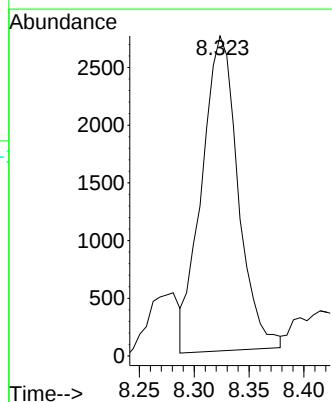
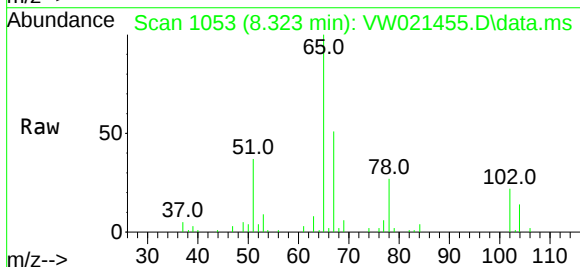
Instrument :
MSVOA_W
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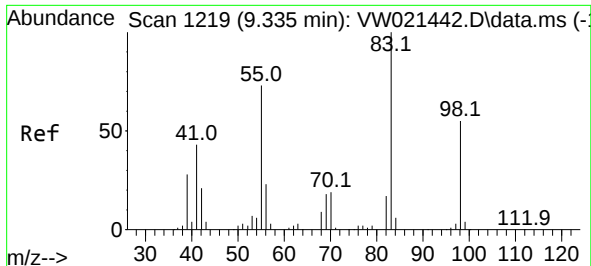
Tgt Ion: 43 Resp: 22311
Ion Ratio Lower Upper
43 100
72 28.7 11.8 35.4



#33
Benzene
Concen: 1.060 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

Tgt Ion: 78 Resp: 6301

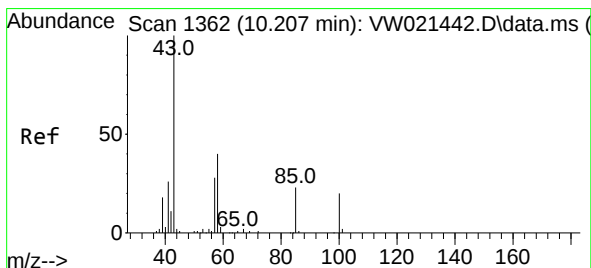
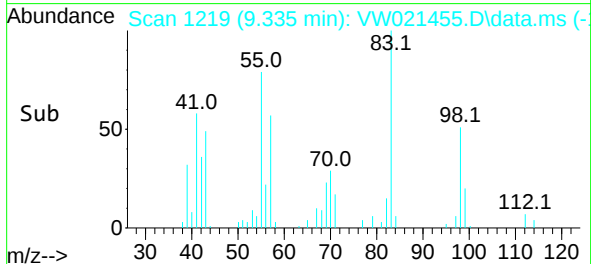
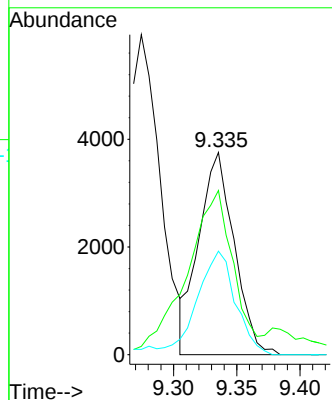
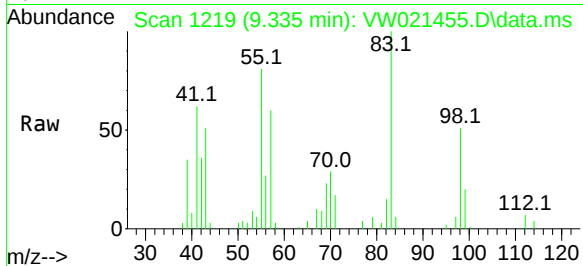




#35
Methylcyclohexane
Concen: 2.662 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

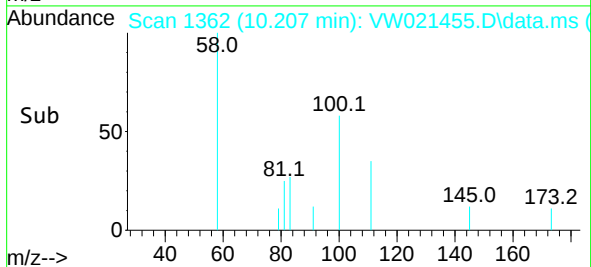
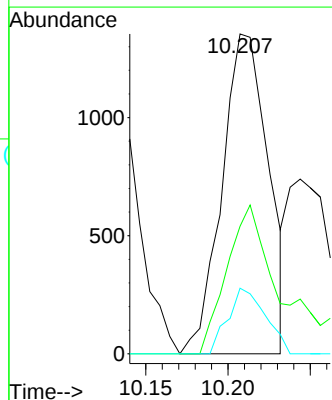
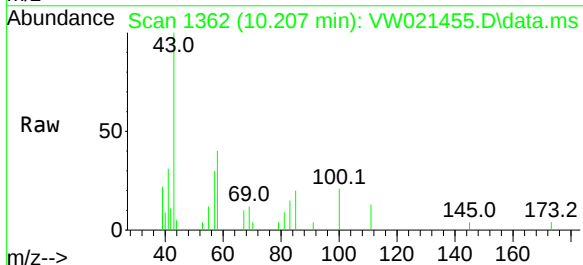
Instrument :
MSVOA_W
ClientSampleId :
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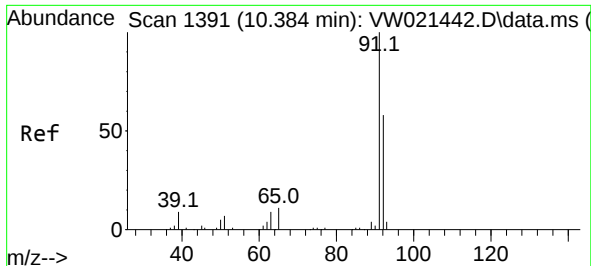
Tgt Ion: 83 Resp: 7327
Ion Ratio Lower Upper
83 100
55 107.2 70.8 106.2#
98 55.2 37.7 56.5



#40
4-Methyl-2-pentanone
Concen: 3.676 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

Tgt Ion: 43 Resp: 2656
Ion Ratio Lower Upper
43 100
58 44.1 28.8 43.2#
100 16.7 10.0 15.0#

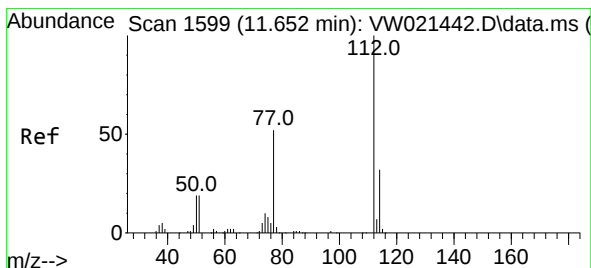
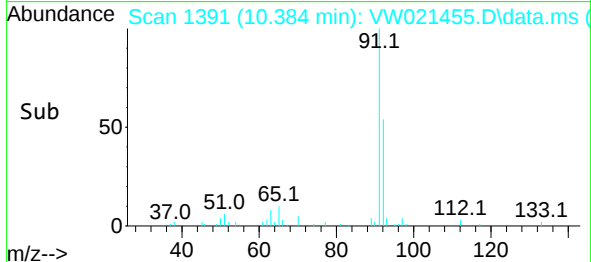
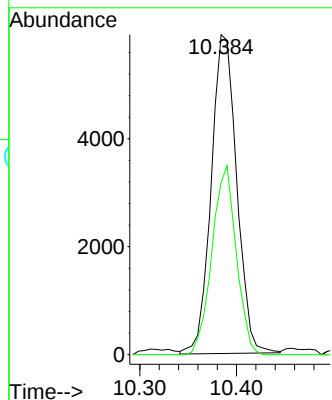
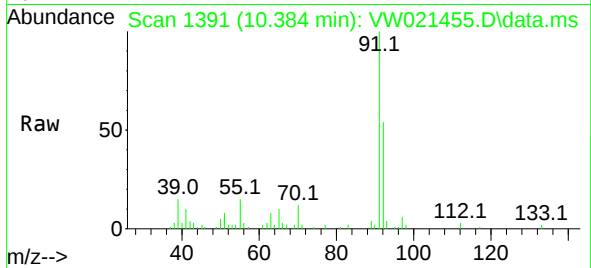




#42
Toluene
Concen: 1.558 ug/L
RT: 10.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

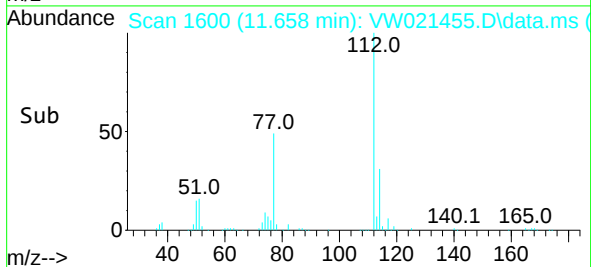
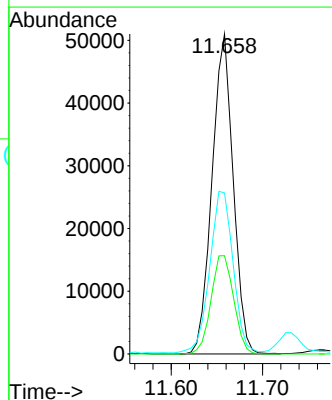
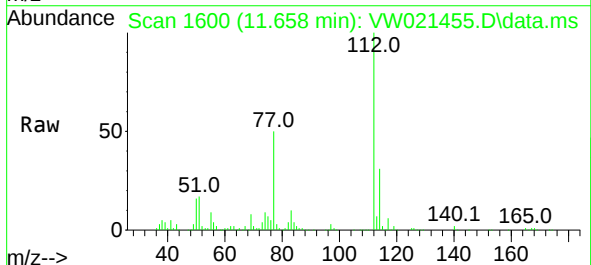
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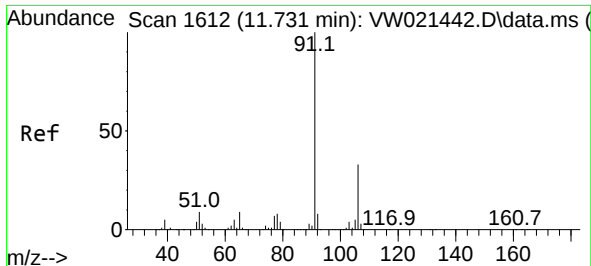
Tgt Ion: 91 Resp: 10835
Ion Ratio Lower Upper
91 100
92 53.8 41.7 77.5



#51
Chlorobenzene
Concen: 17.632 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

Tgt Ion: 112 Resp: 82077
Ion Ratio Lower Upper
112 100
114 30.7 22.4 41.6
77 50.3 50.2 75.4

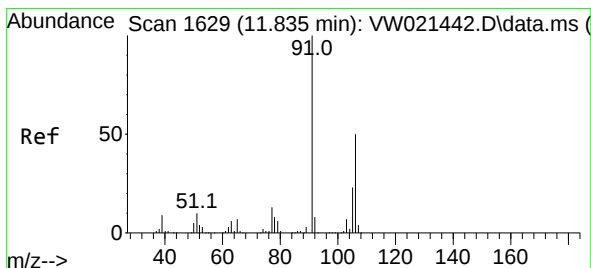
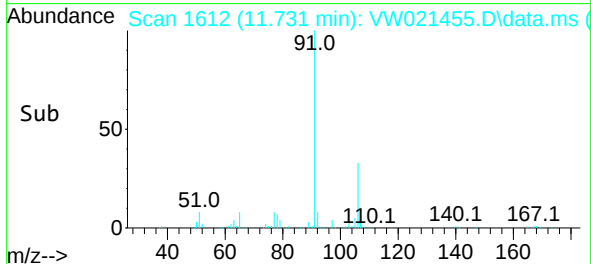
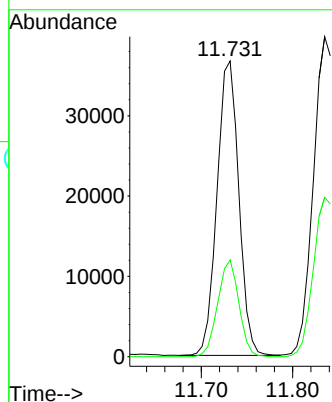
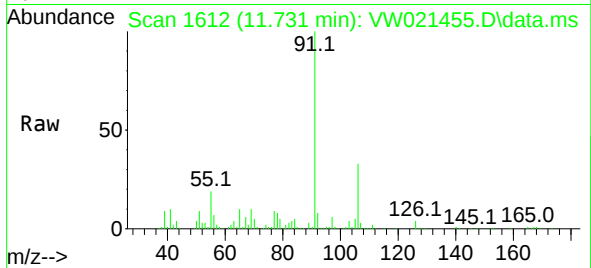




#52
Ethylbenzene
Concen: 7.654 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

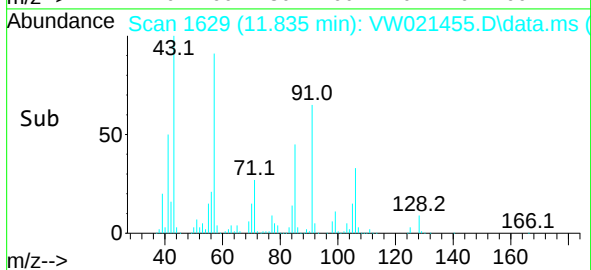
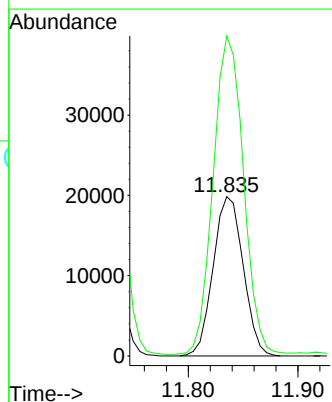
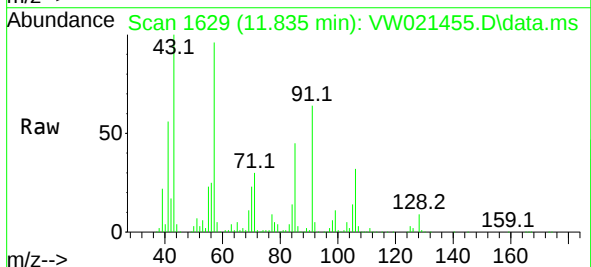
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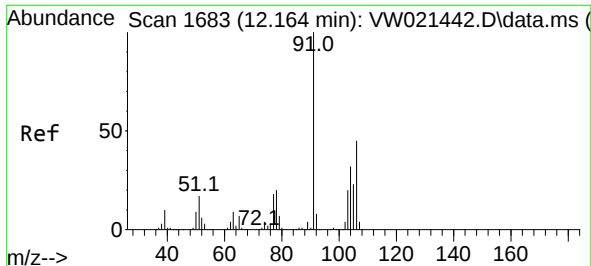
Tgt Ion: 91 Resp: 60810
Ion Ratio Lower Upper
91 100
106 32.8 21.5 39.9



#53
m,p-Xylene
Concen: 11.794 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

Tgt Ion: 106 Resp: 37802
Ion Ratio Lower Upper
106 100
91 200.9 149.9 278.3

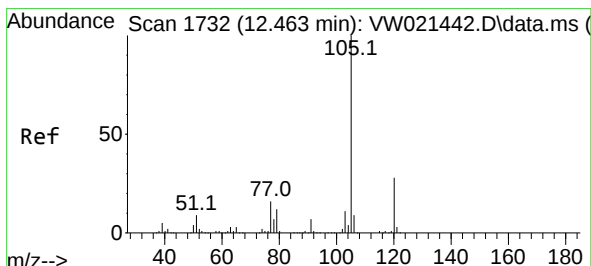
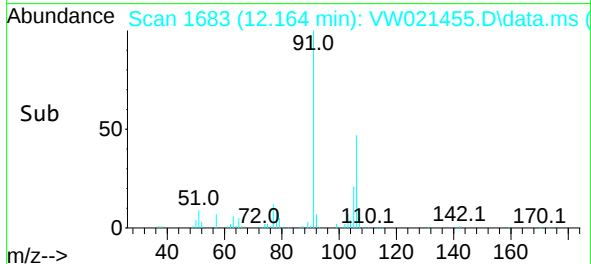
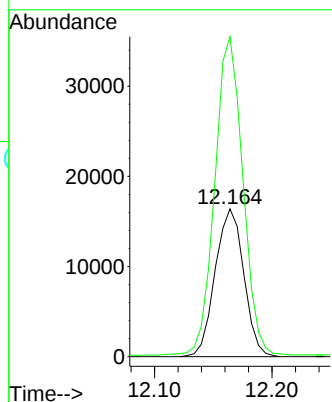
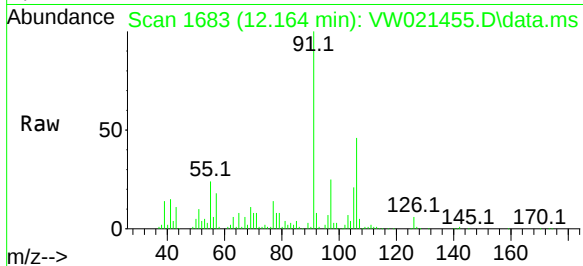




#54
o-Xylene
Concen: 9.119 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

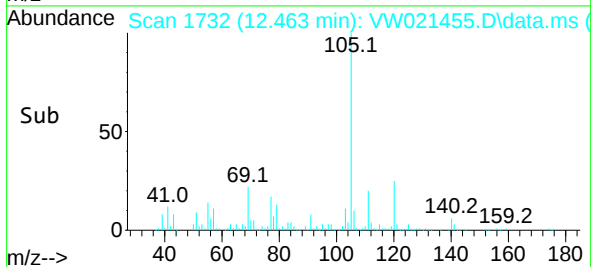
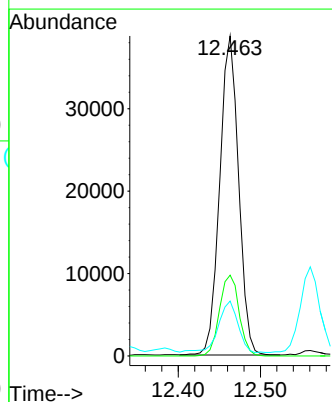
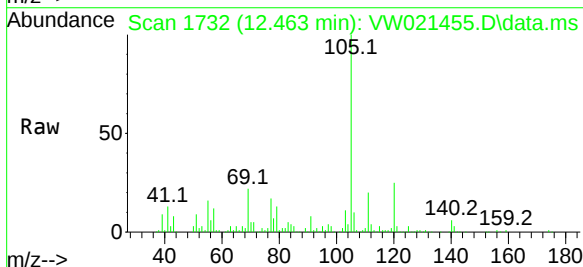
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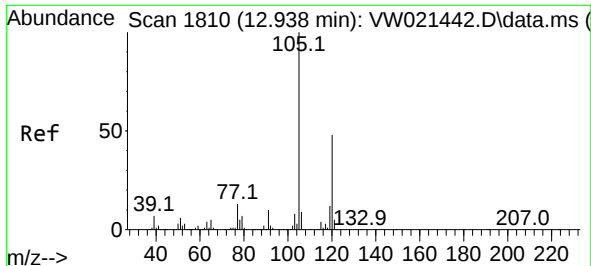
Tgt Ion:106 Resp: 27739
Ion Ratio Lower Upper
106 100
91 216.5 153.6 285.3



#60
Isopropylbenzene
Concen: 12.349 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

Tgt Ion:105 Resp: 61784
Ion Ratio Lower Upper
105 100
120 26.2 20.1 30.1
77 16.3 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 13.076 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW021455.D

Acq: 18 Dec 2021 05:16

Instrument :

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ClientSampleId :

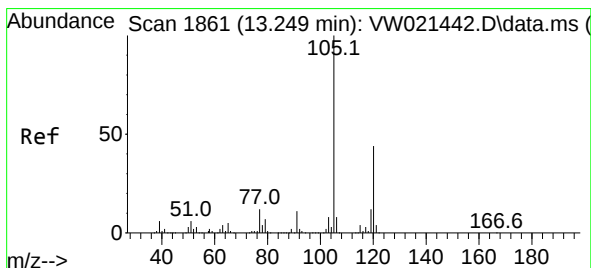
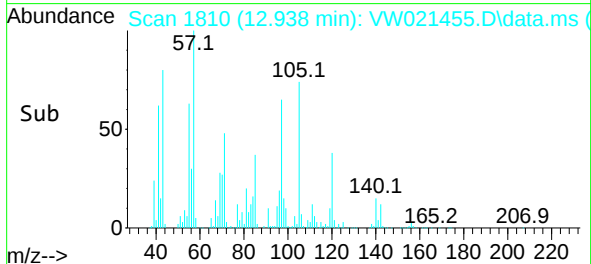
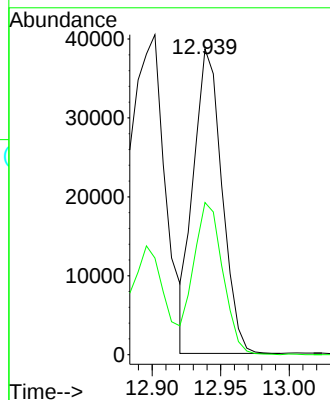
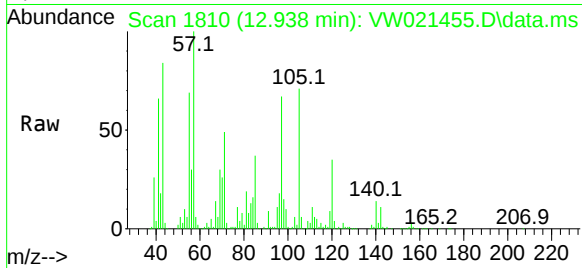
BGL70

Tgt Ion:105 Resp: 55672

Ion Ratio Lower Upper

105 100

120 51.4 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 41.972 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW021455.D

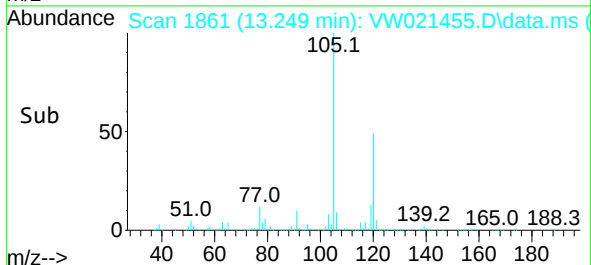
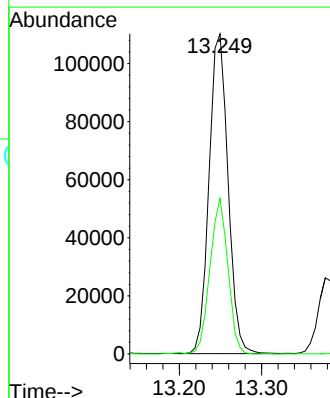
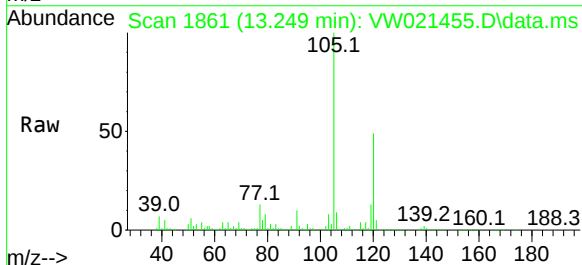
Acq: 18 Dec 2021 05:16

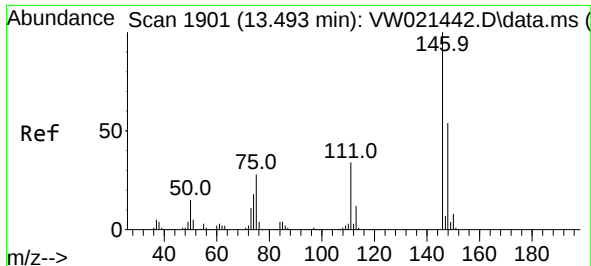
Tgt Ion:105 Resp: 176278

Ion Ratio Lower Upper

105 100

120 46.0 35.0 52.6

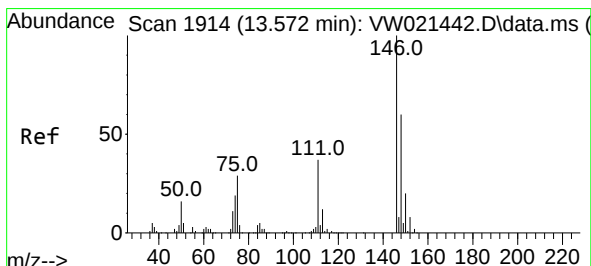
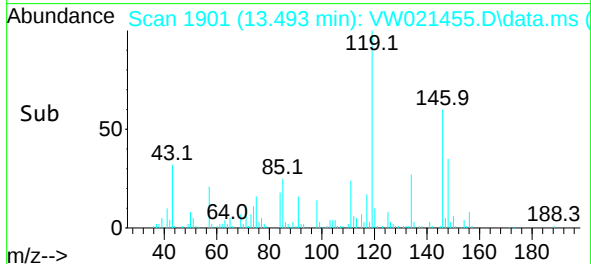
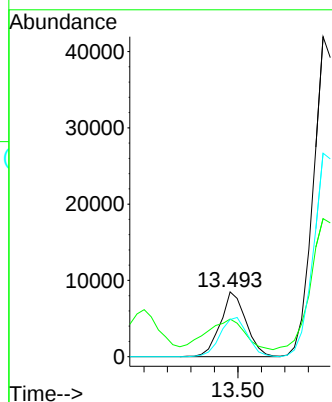
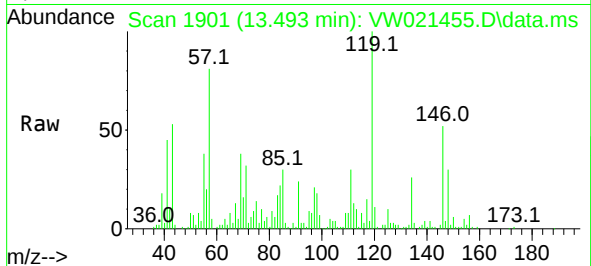




#64
1,3-Dichlorobenzene
Concen: 5.468 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

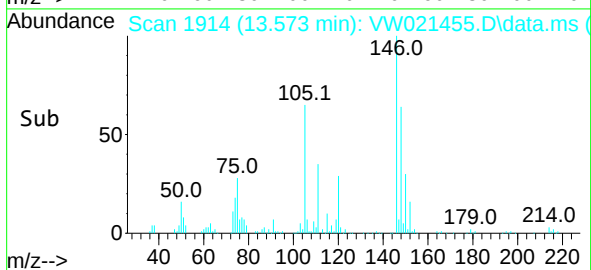
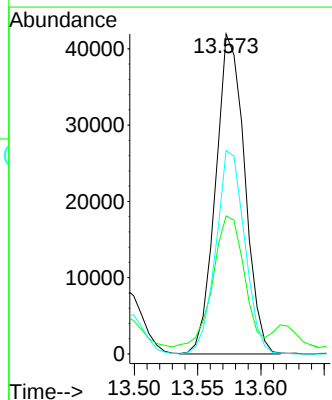
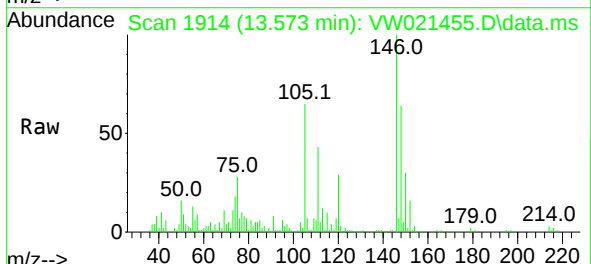
Instrument :
MSVOA_W
ClientSampleId :
BGL70

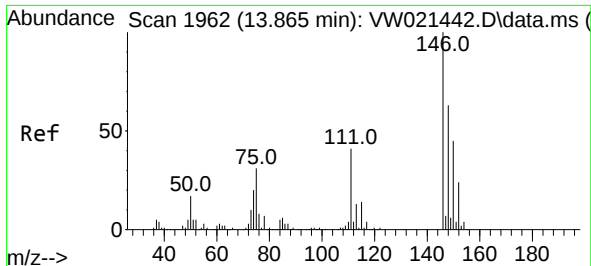
Tgt Ion:146 Resp: 12904
Ion Ratio Lower Upper
146 100
111 57.9 29.8 55.3#
148 57.3 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 28.514 ug/L
RT: 13.573 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW021455.D
Acq: 18 Dec 2021 05:16

Tgt Ion:146 Resp: 66856
Ion Ratio Lower Upper
146 100
111 43.2 29.0 53.9
148 63.6 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 33.514 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW021455.D

Acq: 18 Dec 2021 05:16

Instrument :

MSVOA_W

ClientSampleId :

BGL70

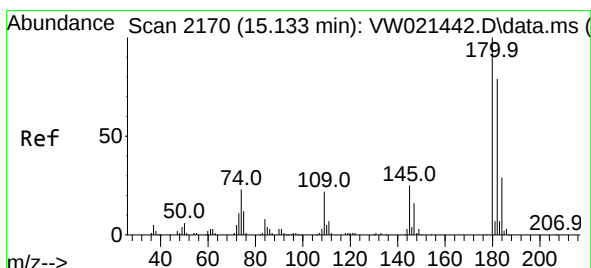
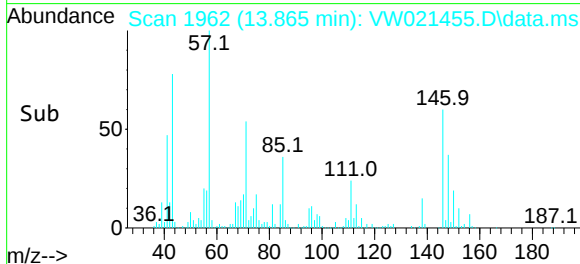
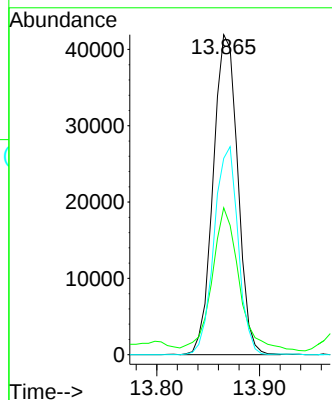
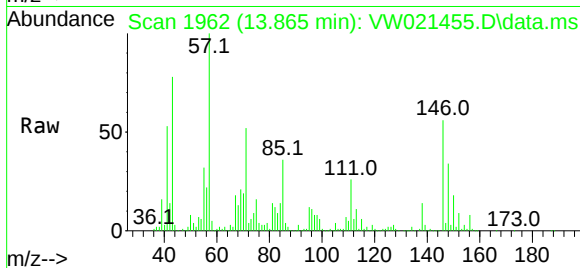
Tgt Ion:146 Resp: 69631

Ion Ratio Lower Upper

146 100

111 45.9 33.1 49.7

148 61.3 47.4 71.2



#70

1,2,4-trichlorobenzene

Concen: 33.975 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW021455.D

Acq: 18 Dec 2021 05:16

Tgt Ion:180 Resp: 48201

Ion Ratio Lower Upper

180 100

182 98.5 79.0 118.6

145 63.9 26.0 39.0#

