

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021444.D
 Acq On : 18 Dec 2021 00:51
 Operator : SY/VA
 Sample : M5153-02
 Misc : 5.48g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL67

Quant Time: Dec 18 03:59:42 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	109814	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	113266	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	67373	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	27896	13.948	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.800%
7) Chloroethane-d5	2.885	69	19075	14.427	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.720%
11) 1,1-Dichloroethene-d2	4.013	63	33327	12.499	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.000%
21) 2-Butanone-d5	7.080	46	16914	59.996	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.000%
24) Chloroform-d	7.647	84	59078	19.305	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.200%
26) 1,2-Dichloroethane-d4	8.305	65	36053	22.148	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	8.275	84	113829	18.334	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.320%
36) 1,2-Dichloropropane-d6	9.274	67	33228	19.956	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.840%
41) Toluene-d8	10.323	98	112350	17.711	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.840%
43) trans-1,3-Dichloroprop...	10.579	79	14111	18.406	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.640%
47) 2-Hexanone-d5	10.927	63	13715	55.703	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.400%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	30930	21.609	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.440%
66) 1,2-Dichlorobenzene-d4	13.853	152	46408	17.773	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	71.080%#
Target Compounds						Qvalue
13) Acetone	4.123	43	64077	253.536	ug/L	93
14) Carbon disulfide	4.385	76	12953	3.685	ug/L	97
22) 2-Butanone	7.177	43	6951	21.060	ug/L	90
33) Benzene	8.323	78	3523	0.571	ug/L	100
35) Methylcyclohexane	9.335	83	2540	0.889	ug/L	97
40) 4-Methyl-2-pentanone	10.213	43	4056	5.409	ug/L	# 95
42) Toluene	10.390	91	55323	7.666	ug/L	98
51) Chlorobenzene	11.658	112	271865	56.271	ug/L	91
52) Ethylbenzene	11.731	91	214880	26.057	ug/L	97
53) m,p-Xylene	11.835	106	160155	48.142	ug/L	89
54) o-Xylene	12.164	106	75936	24.052	ug/L	98
60) Isopropylbenzene	12.463	105	74001	8.083	ug/L	97
62) 1,3,5-Trimethylbenzene	12.938	105	168859	21.676	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	714318	92.953	ug/L	97
64) 1,3-Dichlorobenzene	13.499	146	23585	5.462	ug/L	96
65) 1,4-Dichlorobenzene	13.579	146	150380	35.052	ug/L	94
67) 1,2-Dichlorobenzene	13.871	146	126515	33.280	ug/L	95
70) 1,2,4-trichlorobenzene	15.133	180	18092	6.969	ug/L	# 82

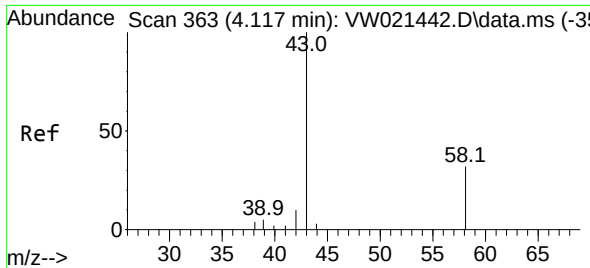
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

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



#13

Acetone

Concen: 253.536 ug/L

RT: 4.123 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021444.D

Acq: 18 Dec 2021 00:51

Instrument :

MSVOA_W

ClientSampleId :

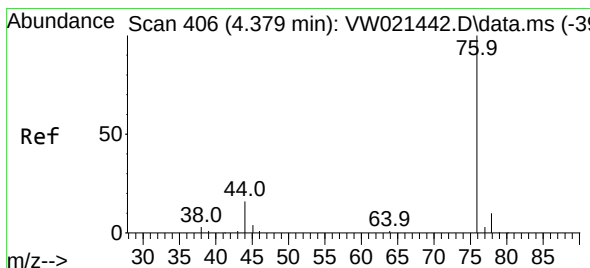
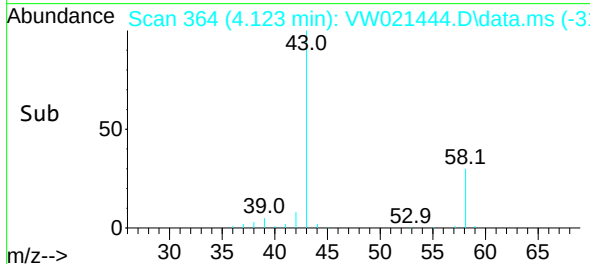
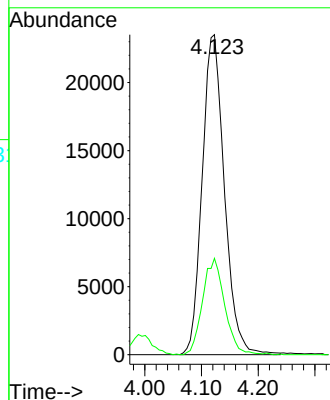
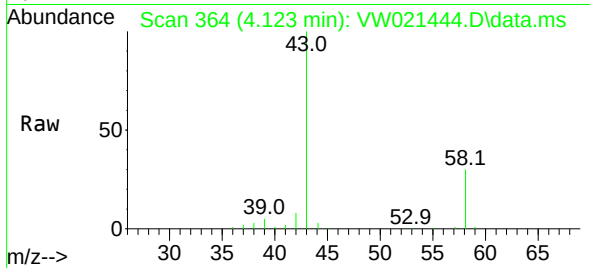
BGL67

Tgt Ion: 43 Resp: 64077

Ion Ratio Lower Upper

43 100

58 29.8 0.0 52.8



#14

Carbon disulfide

Concen: 3.685 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.006 min

Lab File: VW021444.D

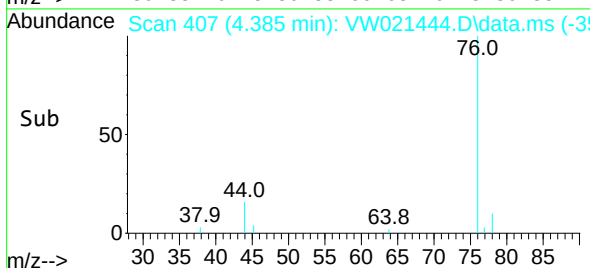
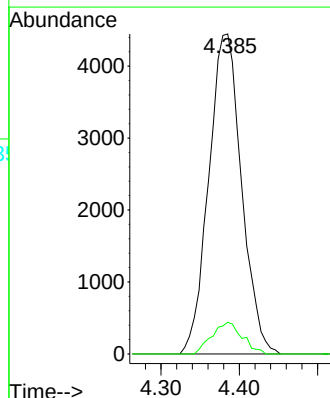
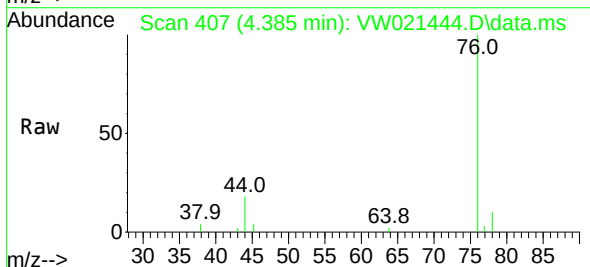
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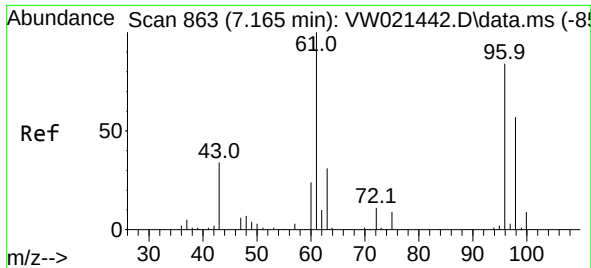
Tgt Ion: 76 Resp: 12953

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7





#22

2-Butanone

Concen: 21.060 ug/L

RT: 7.177 min Scan# 865

Delta R.T. 0.012 min

Lab File: VW021444.D

Acq: 18 Dec 2021 00:51

Instrument :

MSVOA_W

ClientSampleId :

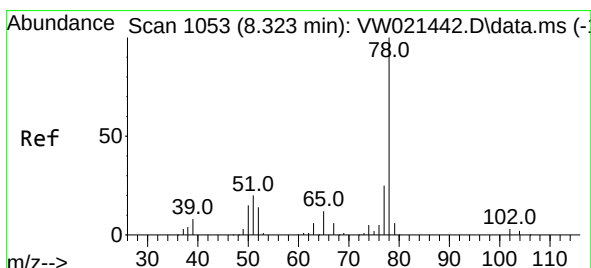
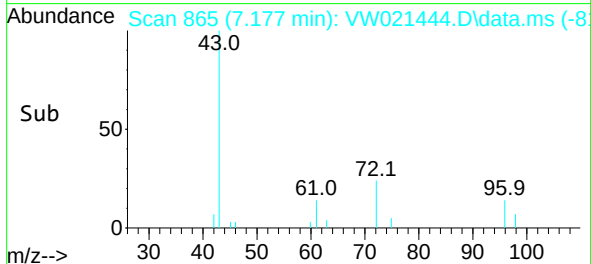
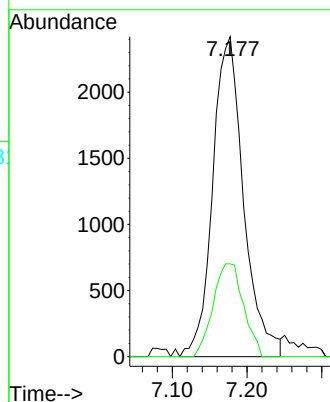
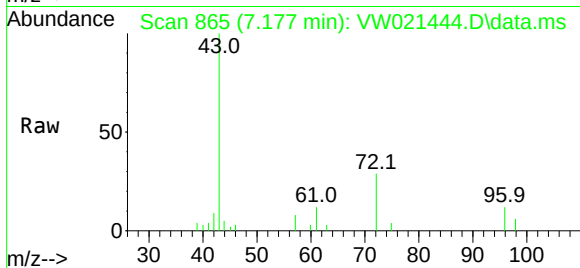
BGL67

Tgt Ion: 43 Resp: 6951

Ion Ratio Lower Upper

43 100

72 28.6 11.8 35.4



#33

Benzene

Concen: 0.571 ug/L

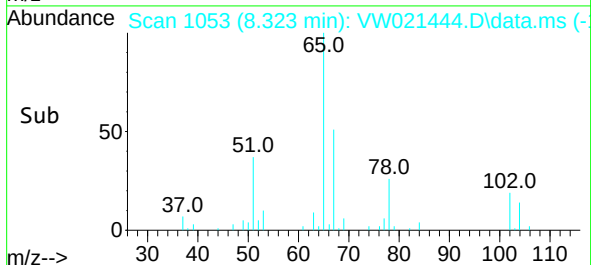
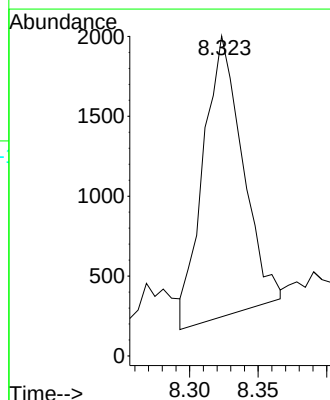
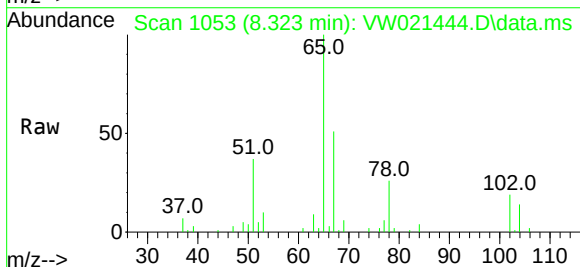
RT: 8.323 min Scan# 1053

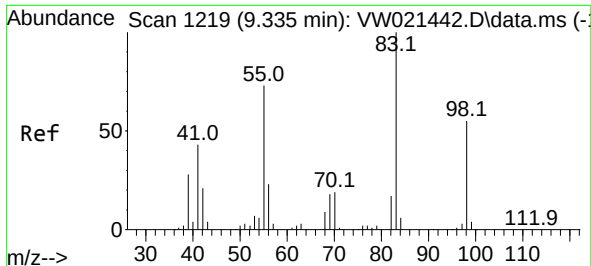
Delta R.T. -0.000 min

Lab File: VW021444.D

Acq: 18 Dec 2021 00:51

Tgt Ion: 78 Resp: 3523

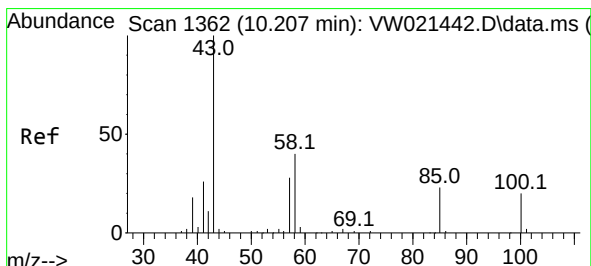
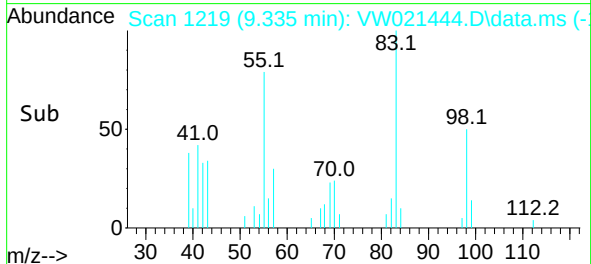
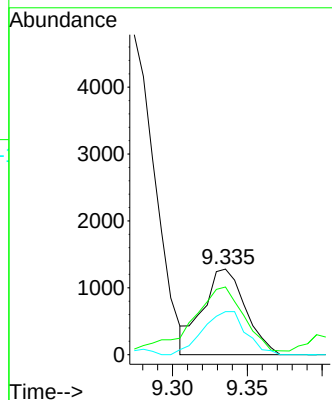
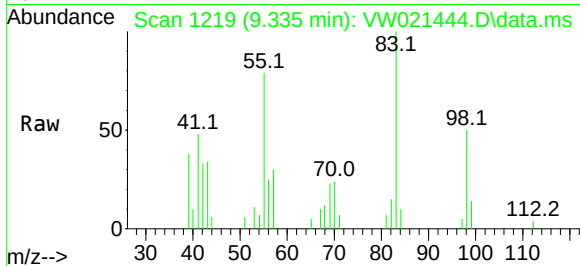




#35
Methylcyclohexane
Concen: 0.889 ug/L
RT: 9.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

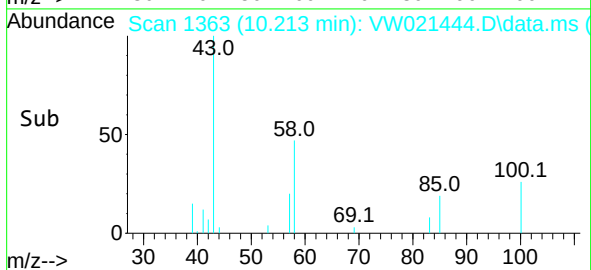
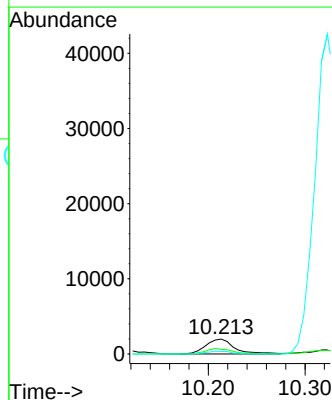
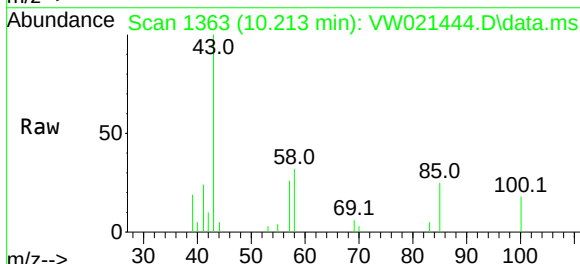
Instrument :
MSVOA_W
ClientSampleId :
BGL67

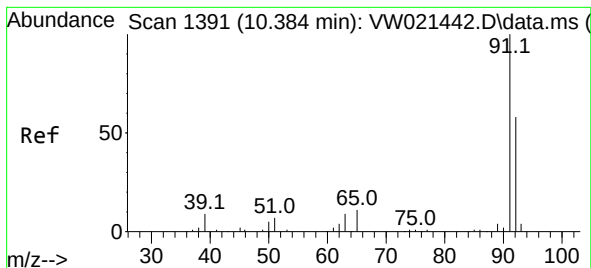
Tgt Ion: 83 Resp: 2540
Ion Ratio Lower Upper
83 100
55 89.4 70.8 106.2
98 50.8 37.7 56.5



#40
4-Methyl-2-pentanone
Concen: 5.409 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

Tgt Ion: 43 Resp: 4056
Ion Ratio Lower Upper
43 100
58 33.7 28.8 43.2
100 16.0 10.0 15.0#





#42

Toluene

Concen: 7.666 ug/L

RT: 10.390 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW021444.D

Acq: 18 Dec 2021 00:51

Instrument :

MSVOA_W

ClientSampleId :

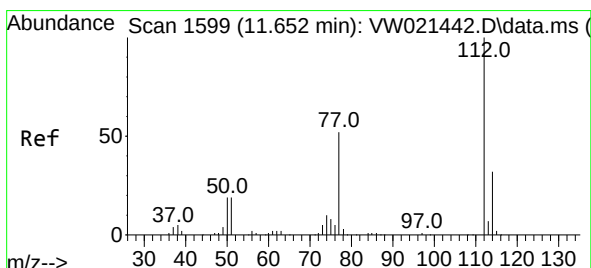
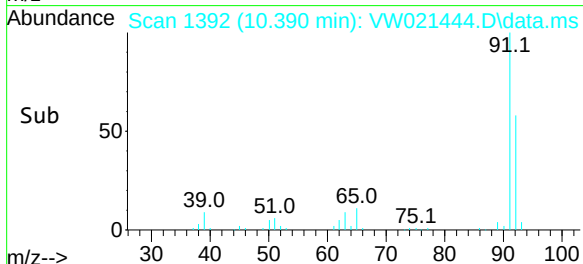
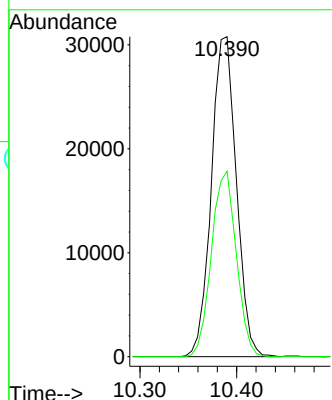
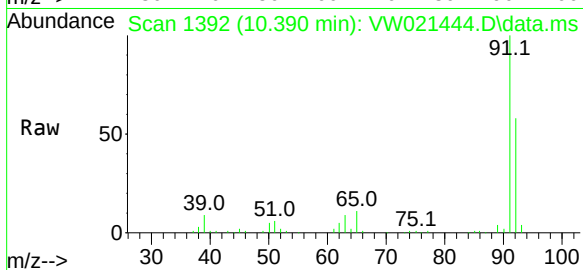
BGL67

Tgt Ion: 91 Resp: 55323

Ion Ratio Lower Upper

91 100

92 57.9 41.7 77.5



#51

Chlorobenzene

Concen: 56.271 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW021444.D

Acq: 18 Dec 2021 00:51

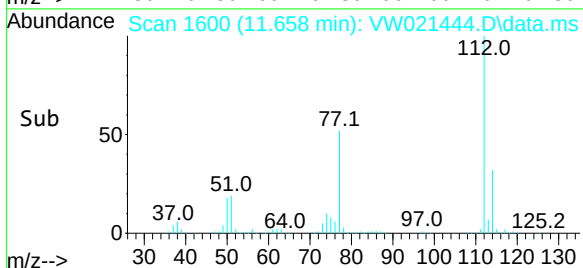
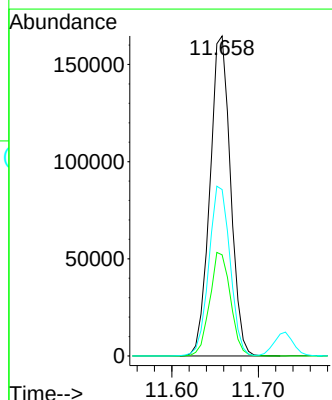
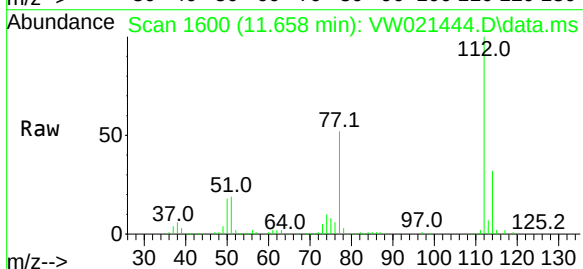
Tgt Ion: 112 Resp: 271865

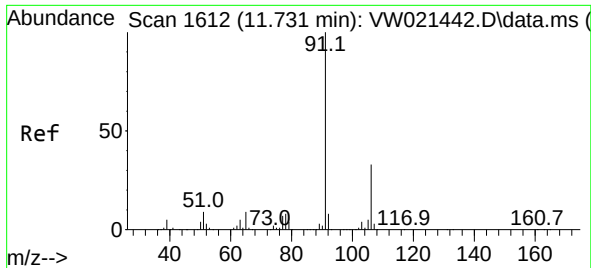
Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 52.0 50.2 75.4

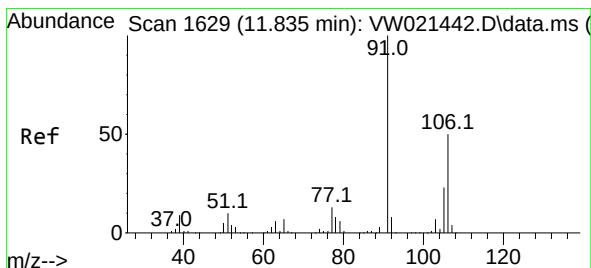
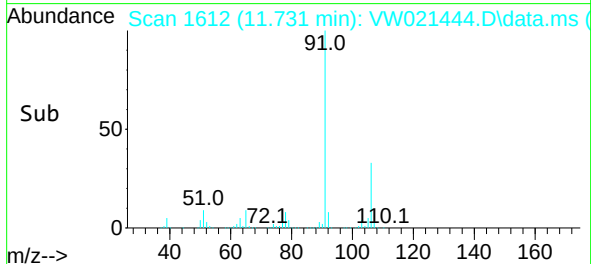
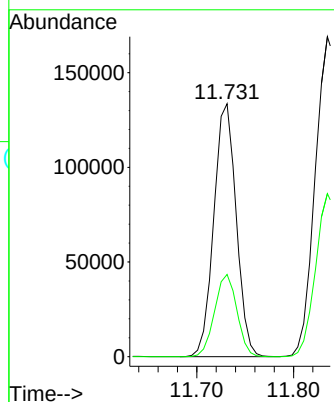
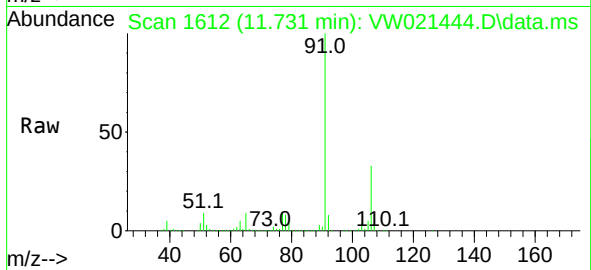




#52
Ethylbenzene
Concen: 26.057 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

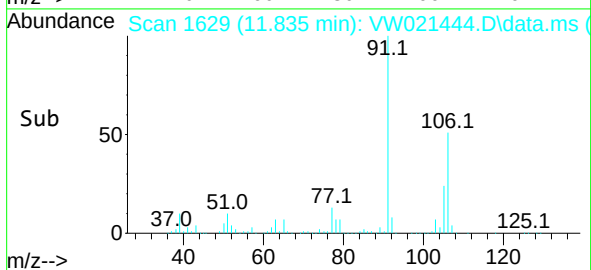
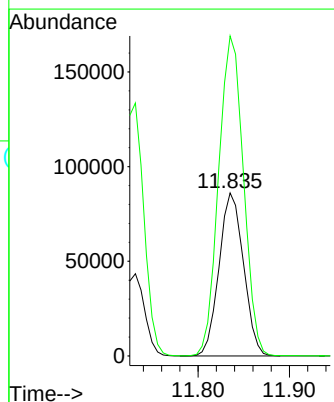
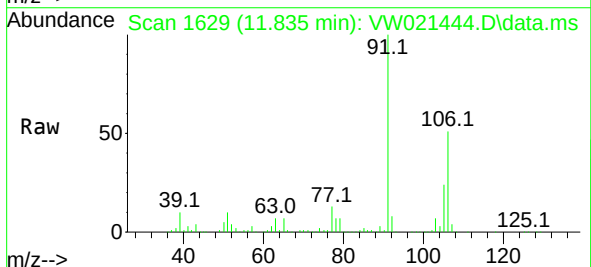
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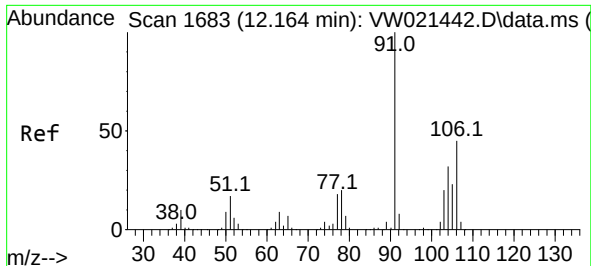
Tgt Ion: 91 Resp: 214880
Ion Ratio Lower Upper
91 100
106 32.5 21.5 39.9



#53
m,p-Xylene
Concen: 48.142 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

Tgt Ion: 106 Resp: 160155
Ion Ratio Lower Upper
106 100
91 196.3 149.9 278.3

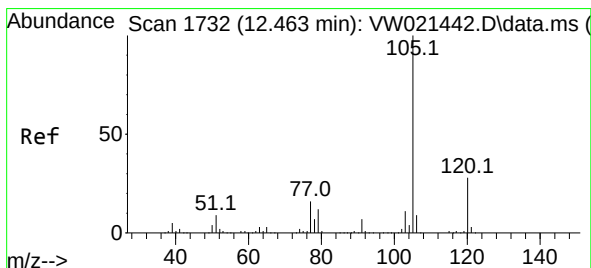
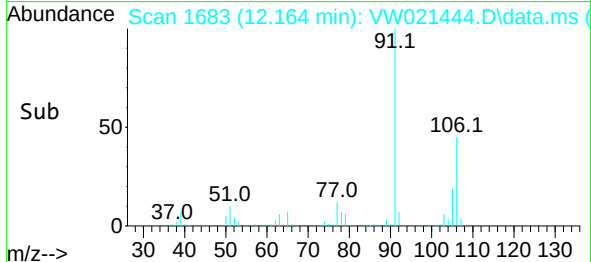
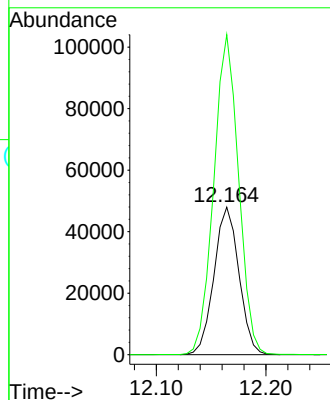
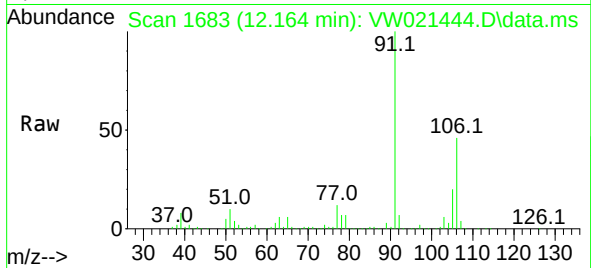




#54
o-Xylene
Concen: 24.052 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

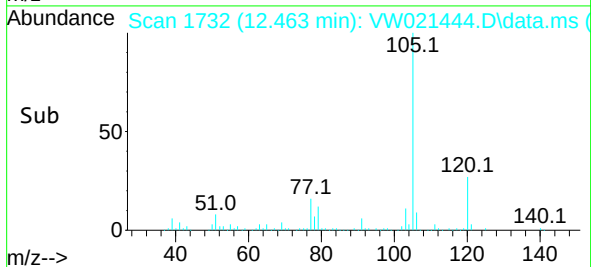
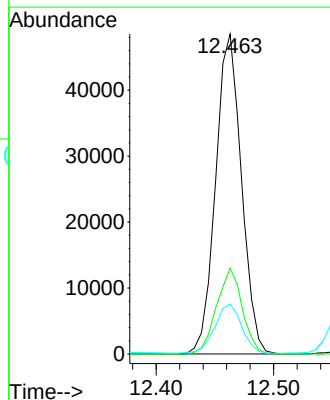
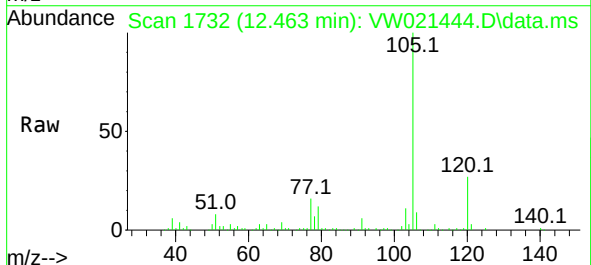
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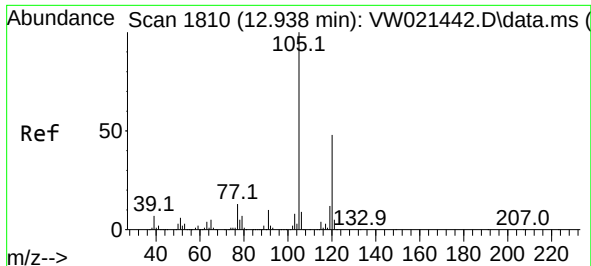
Tgt Ion:106 Resp: 75936
Ion Ratio Lower Upper
106 100
91 216.9 153.6 285.3



#60
Isopropylbenzene
Concen: 8.083 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

Tgt Ion:105 Resp: 74001
Ion Ratio Lower Upper
105 100
120 26.6 20.1 30.1
77 16.0 13.8 20.8

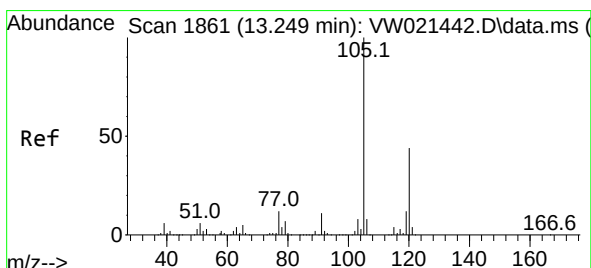
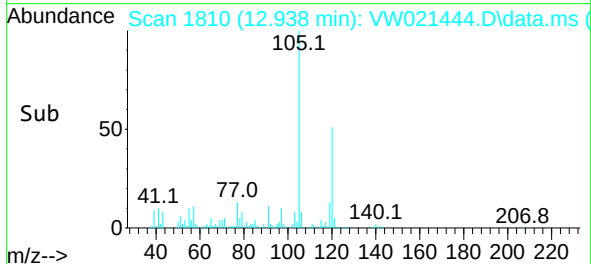
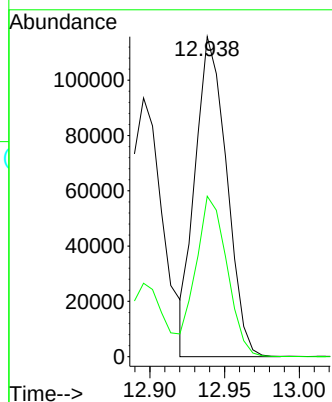
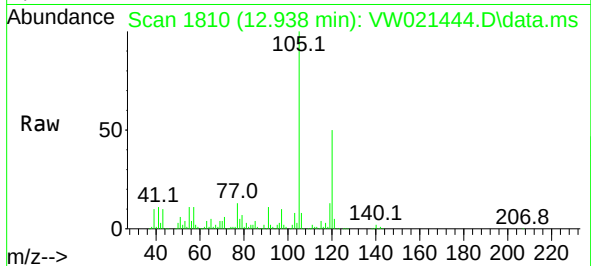




#62
1,3,5-Trimethylbenzene
Concen: 21.676 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

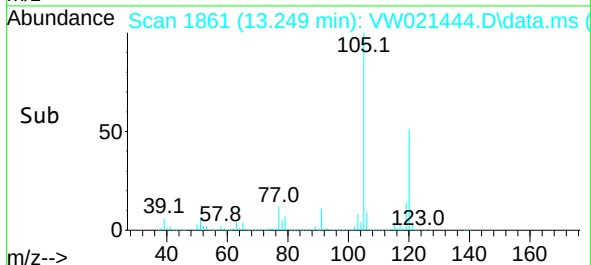
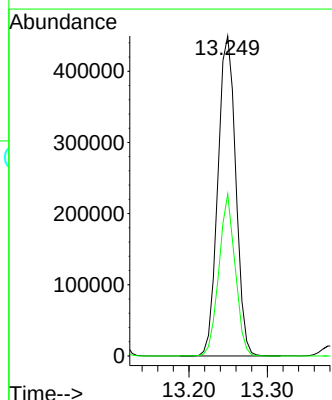
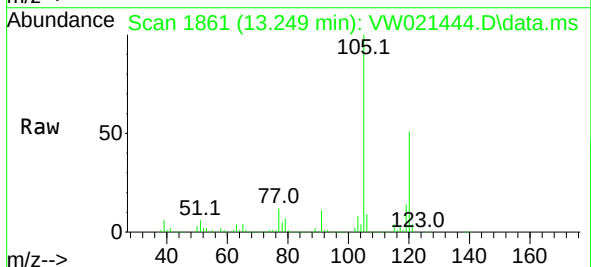
Instrument :
MSVOA_W
ClientSampleId :
BGL67

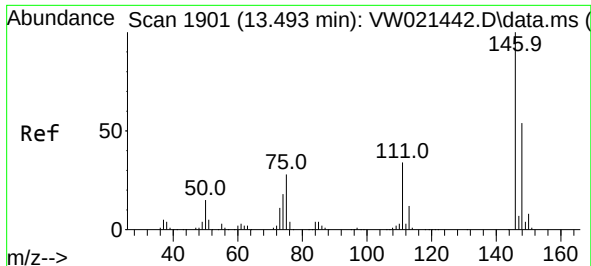
Tgt Ion:105 Resp: 168859
Ion Ratio Lower Upper
105 100
120 49.6 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 92.953 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

Tgt Ion:105 Resp: 714318
Ion Ratio Lower Upper
105 100
120 45.9 35.0 52.6

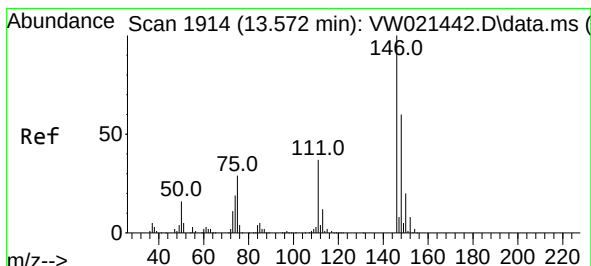
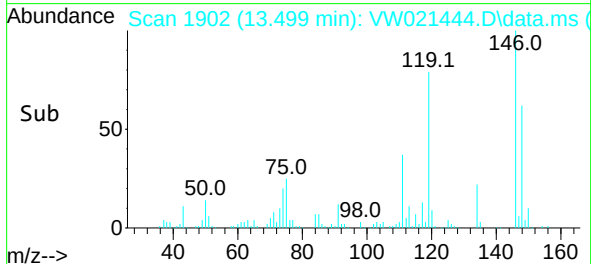
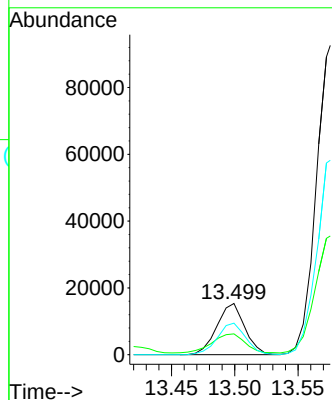
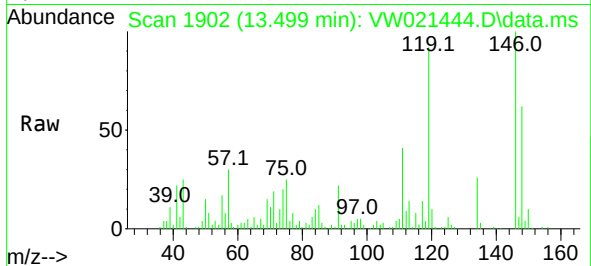




#64
1,3-Dichlorobenzene
Concen: 5.462 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

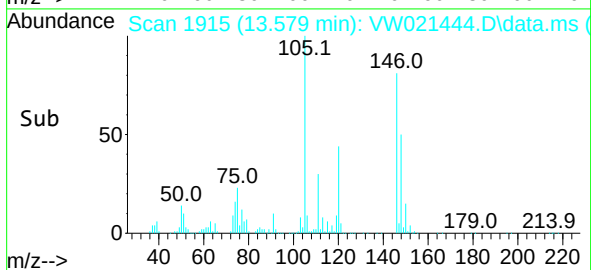
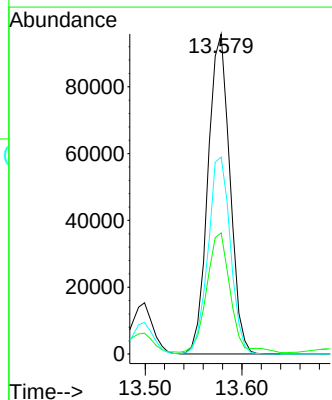
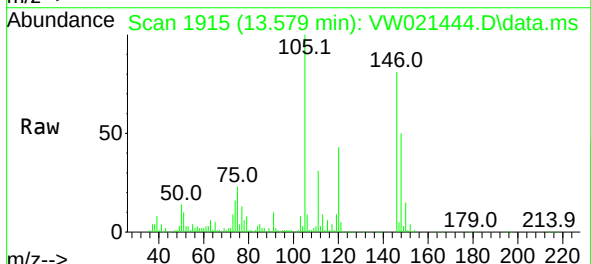
Instrument :
MSVOA_W
ClientSampleId :
BGL67

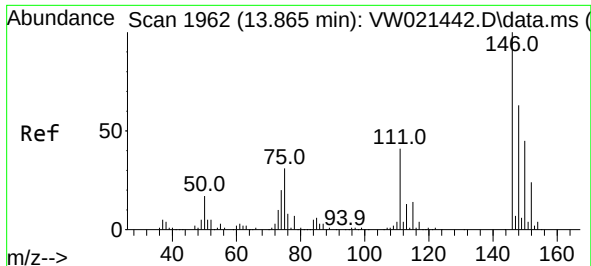
Tgt Ion:146 Resp: 23585
Ion Ratio Lower Upper
146 100
111 40.8 29.8 55.3
148 61.7 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 35.052 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW021444.D
Acq: 18 Dec 2021 00:51

Tgt Ion:146 Resp: 150380
Ion Ratio Lower Upper
146 100
111 37.9 29.0 53.9
148 61.6 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 33.280 ug/L

RT: 13.871 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VW021444.D

Acq: 18 Dec 2021 00:51

Instrument :

MSVOA_W

ClientSampleId :

BGL67

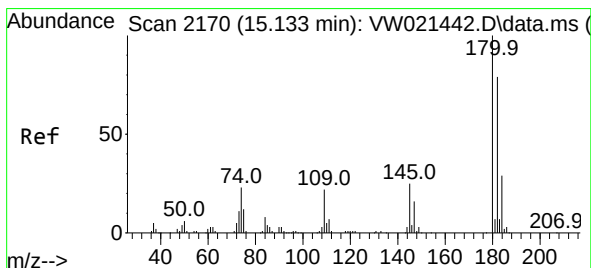
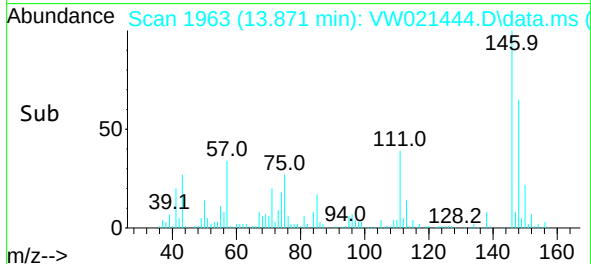
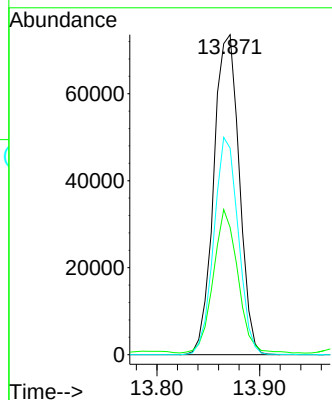
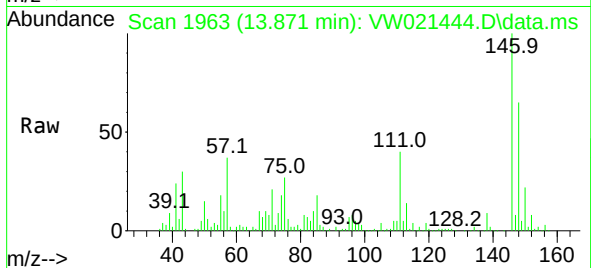
Tgt Ion:146 Resp: 126515

Ion Ratio Lower Upper

146 100

111 39.7 33.1 49.7

148 64.5 47.4 71.2



#70

1,2,4-trichlorobenzene

Concen: 6.969 ug/L

RT: 15.133 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VW021444.D

Acq: 18 Dec 2021 00:51

Tgt Ion:180 Resp: 18092

Ion Ratio Lower Upper

180 100

182 93.6 79.0 118.6

145 64.5 26.0 39.0#

