

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021476.D
 Acq On : 18 Dec 2021 15:06
 Operator : SY/VA
 Sample : M5154-03
 Misc : 6.42g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL83

Quant Time: Dec 18 23:12:16 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)

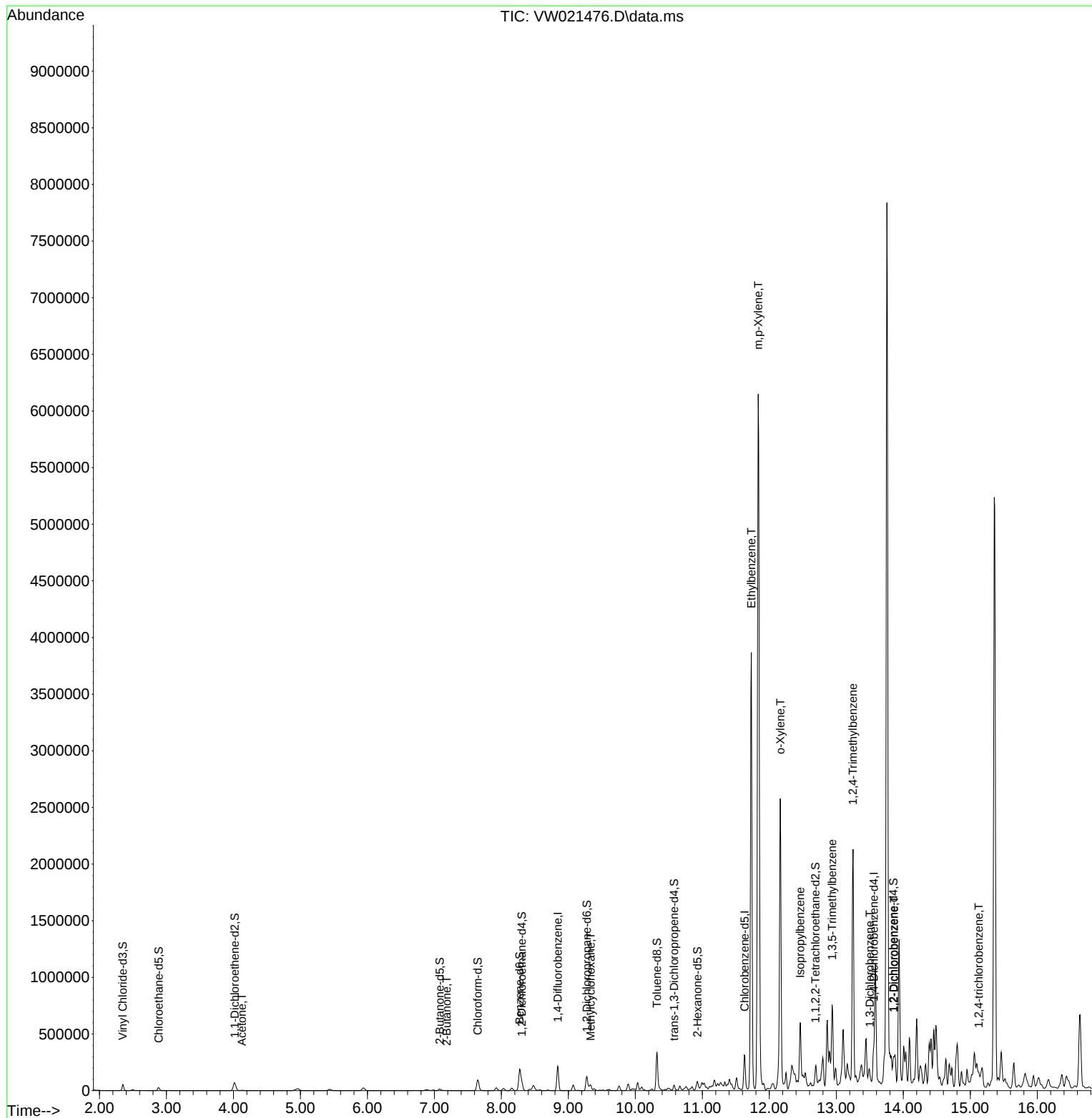
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	178115	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	174589	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	87090	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	51784	15.963	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.840%
7) Chloroethane-d5	2.885	69	31578	14.725	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.920%
11) 1,1-Dichloroethene-d2	4.019	63	66292	15.328	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.320%
21) 2-Butanone-d5	7.080	46	23302	50.959	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.920%
24) Chloroform-d	7.647	84	99707	20.087	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.360%
26) 1,2-Dichloroethane-d4	8.305	65	54973	20.821	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.280%
32) Benzene-d6	8.275	84	196496	20.533	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.120%
36) 1,2-Dichloropropane-d6	9.274	67	55697	21.701	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.800%
41) Toluene-d8	10.323	98	199341	20.387	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.560%
43) trans-1,3-Dichloroprop...	10.579	79	23348	19.757	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.040%
47) 2-Hexanone-d5	10.927	63	19996	52.688	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.380%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	45956	20.830	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.320%
66) 1,2-Dichlorobenzene-d4	13.853	152	64471	19.101	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.400%
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	6442	15.715	ug/L	92
22) 2-Butanone	7.183	43	1912	3.572	ug/L	# 63
35) Methylcyclohexane	9.335	83	13862	3.148	ug/L	# 52
52) Ethylbenzene	11.731	91	2719577	213.952	ug/L	96
53) m,p-Xylene	11.835	106	2082285	406.077	ug/L	90
54) o-Xylene	12.164	106	708270	145.540	ug/L	93
60) Isopropylbenzene	12.463	105	346351	29.268	ug/L	95
62) 1,3,5-Trimethylbenzene	12.938	105	257064	25.528	ug/L	91
63) 1,2,4-Trimethylbenzene	13.249	105	1197204	120.519	ug/L	96
64) 1,3-Dichlorobenzene	13.499	146	7312	1.310	ug/L	# 61
67) 1,2-Dichlorobenzene	13.865	146	9059	1.843	ug/L	# 77
70) 1,2,4-trichlorobenzene	15.127	180	24621	7.337	ug/L	# 34

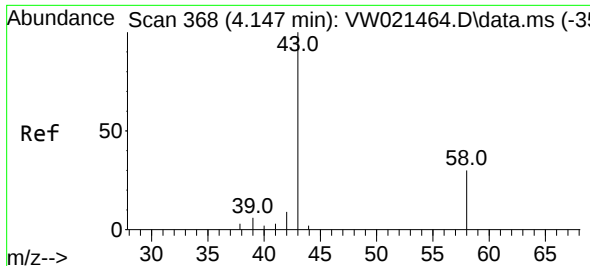
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 15.715 ug/L

RT: 4.129 min Scan# 30

Delta R.T. 0.012 min

Lab File: VW021476.D

Acq: 18 Dec 2021 15:06

Instrument :

MSVOA_W

ClientSampleId :

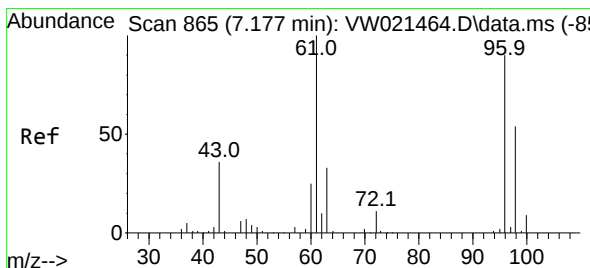
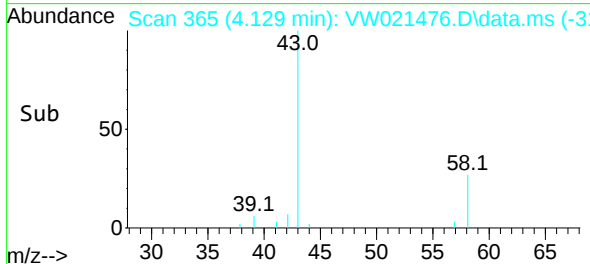
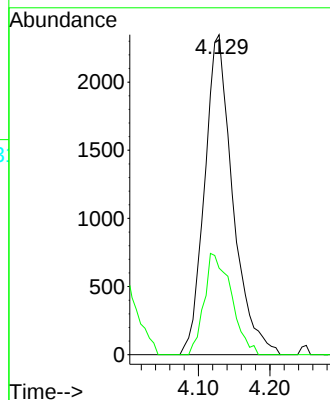
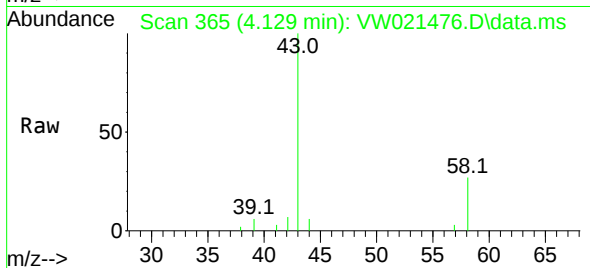
BGL83

Tgt Ion: 43 Resp: 6442

Ion Ratio Lower Upper

43 100

58 30.5 0.0 52.8



#22

2-Butanone

Concen: 3.572 ug/L

RT: 7.183 min Scan# 866

Delta R.T. 0.018 min

Lab File: VW021476.D

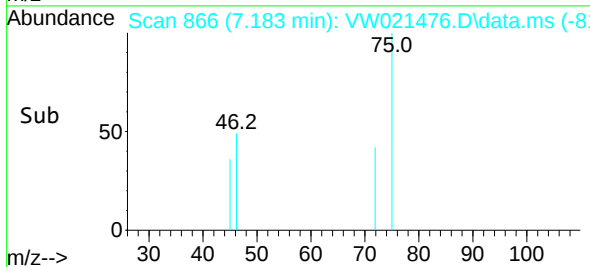
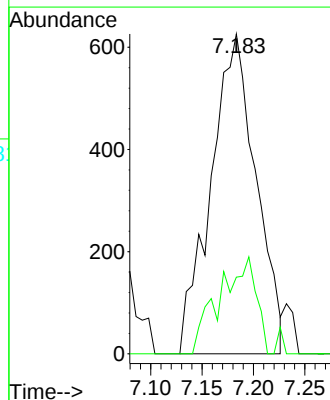
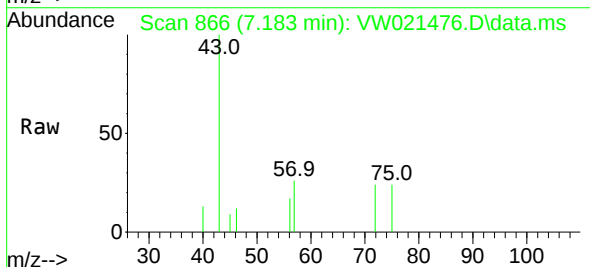
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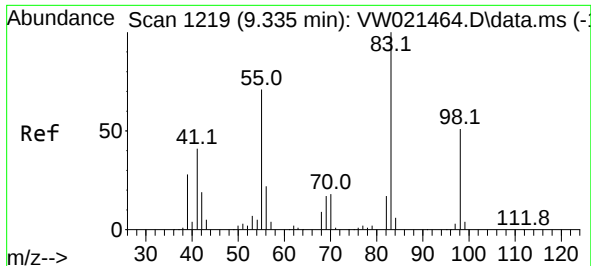
Tgt Ion: 43 Resp: 1912

Ion Ratio Lower Upper

43 100

72 5.4 11.8 35.4#

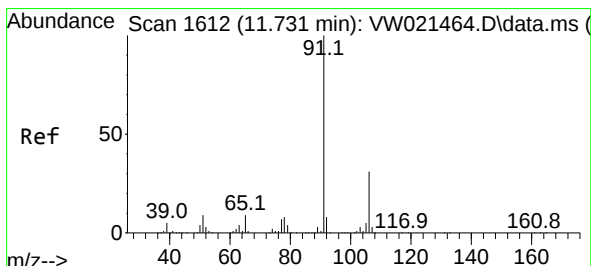
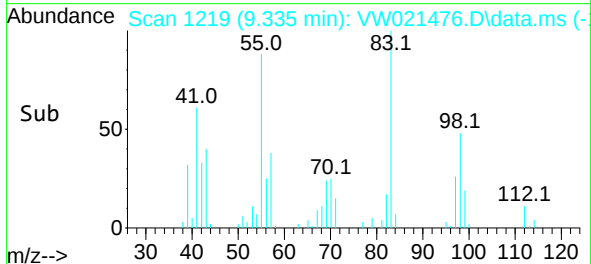
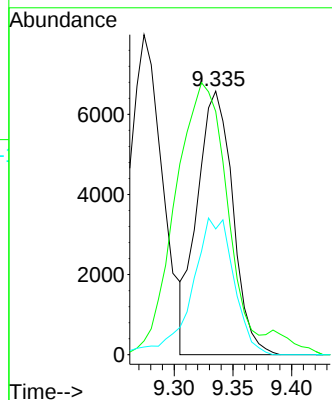
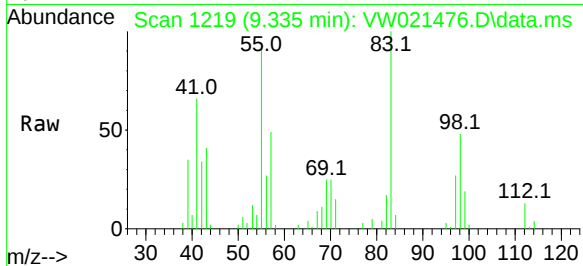




#35
Methylcyclohexane
Concen: 3.148 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

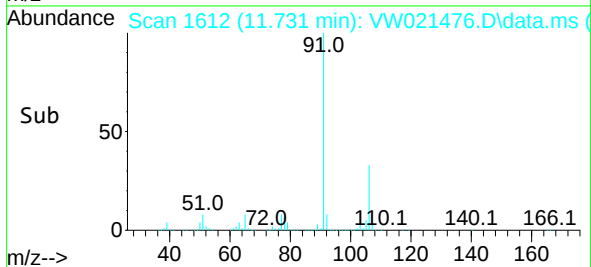
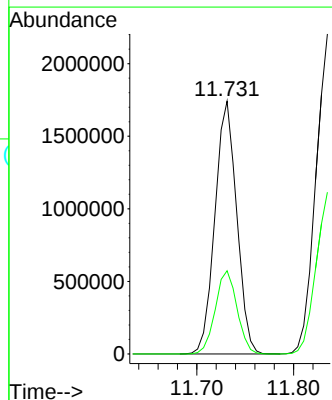
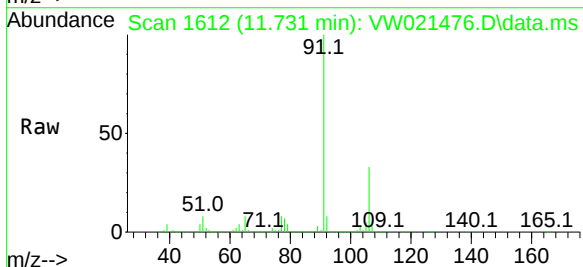
Instrument :
MSVOA_W
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BGL83

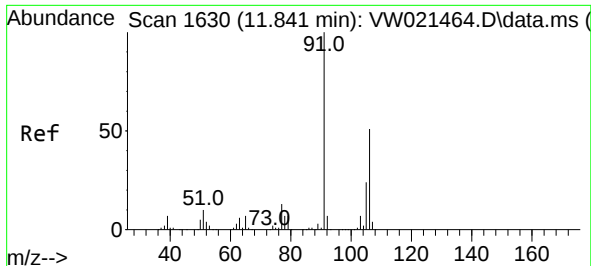
Tgt Ion: 83 Resp: 13862
Ion Ratio Lower Upper
83 100
55 149.1 70.8 106.2#
98 58.9 37.7 56.5#



#52
Ethylbenzene
Concen: 213.952 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Tgt Ion: 91 Resp: 2719577
Ion Ratio Lower Upper
91 100
106 32.9 21.5 39.9

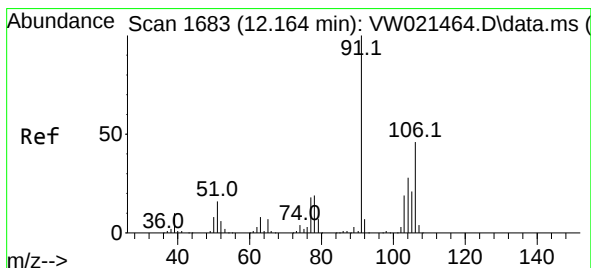
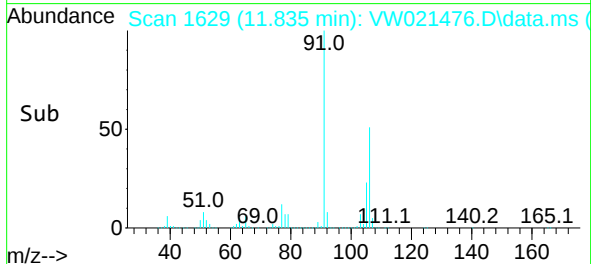
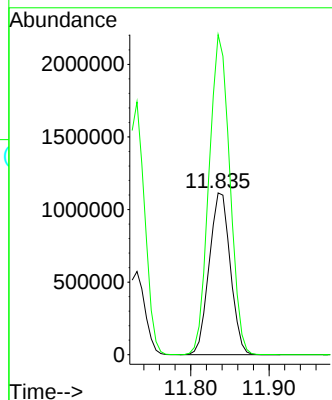
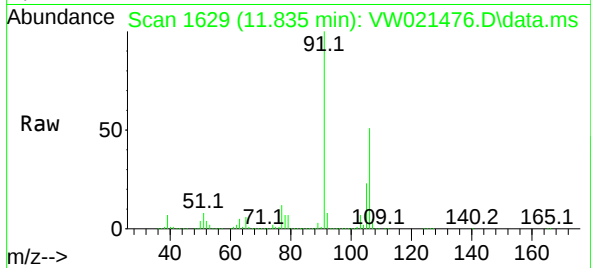




#53
m,p-Xylene
Concen: 406.077 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

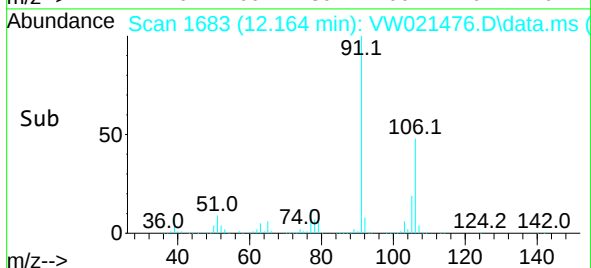
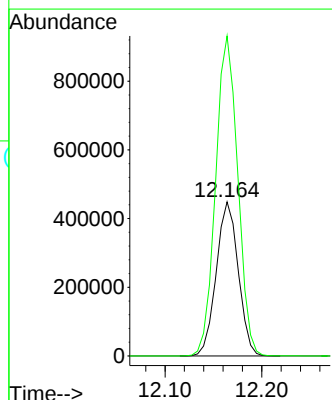
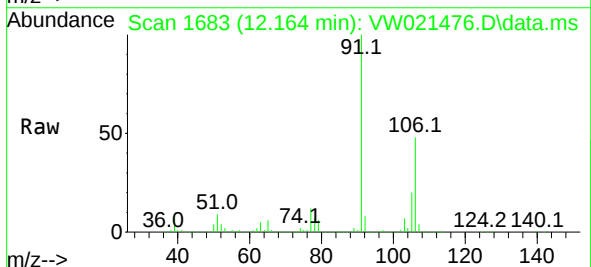
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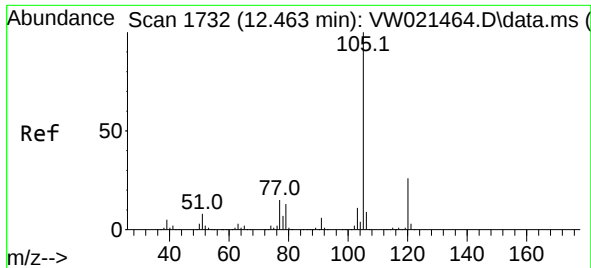
Tgt Ion:106 Resp: 2082285
Ion Ratio Lower Upper
106 100
91 197.9 149.9 278.3



#54
o-Xylene
Concen: 145.540 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Tgt Ion:106 Resp: 708270
Ion Ratio Lower Upper
106 100
91 207.7 153.6 285.3

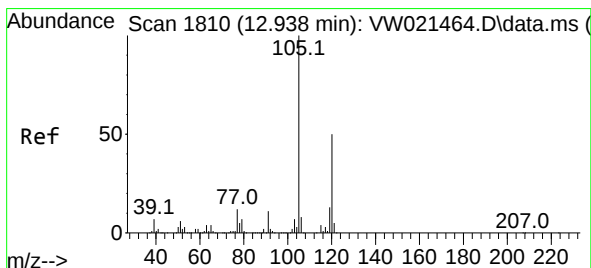
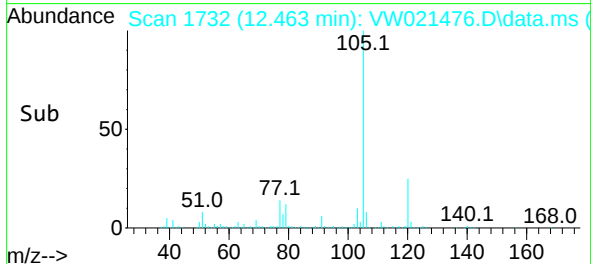
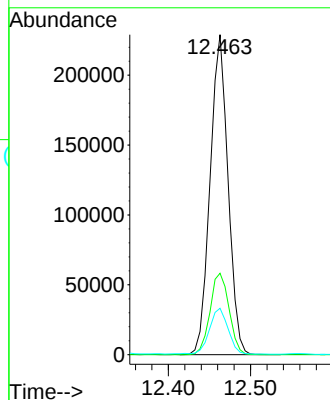
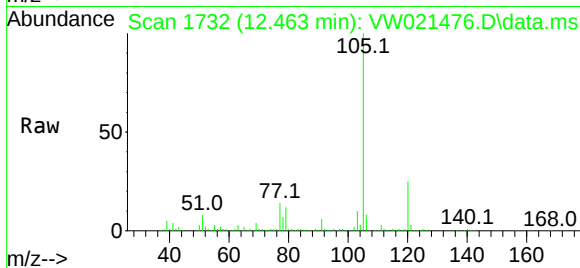




#60
Isopropylbenzene
Concen: 29.268 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

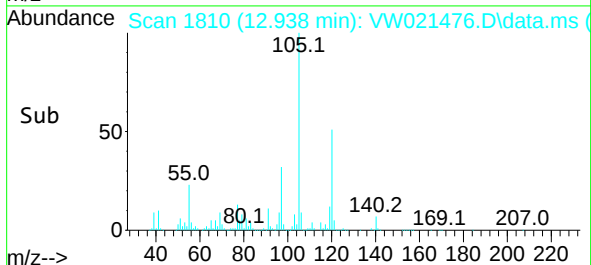
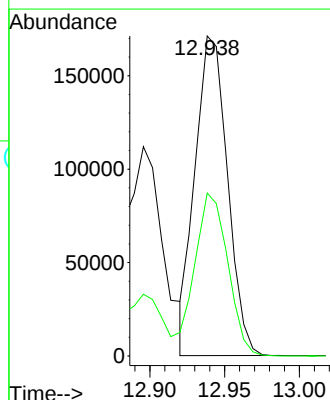
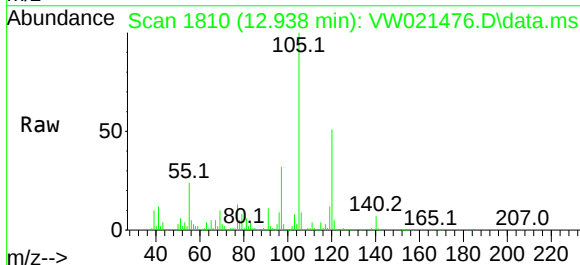
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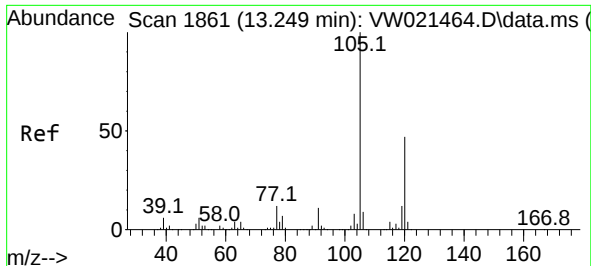
Tgt Ion:105 Resp: 346351
Ion Ratio Lower Upper
105 100
120 27.0 20.1 30.1
77 14.7 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 25.528 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Tgt Ion:105 Resp: 257064
Ion Ratio Lower Upper
105 100
120 52.8 37.4 56.2

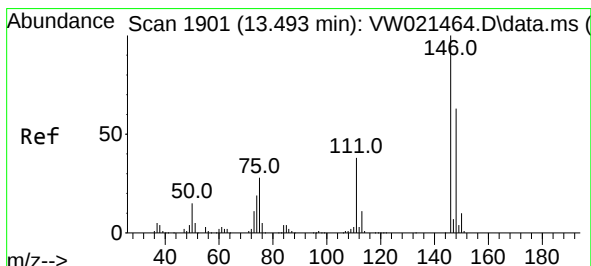
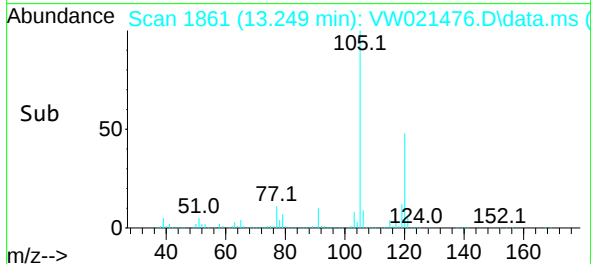
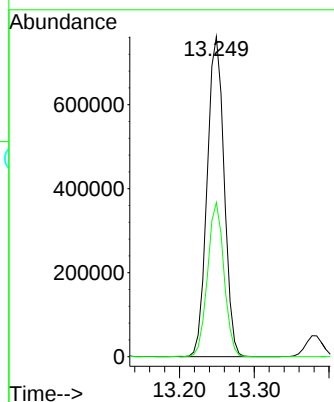
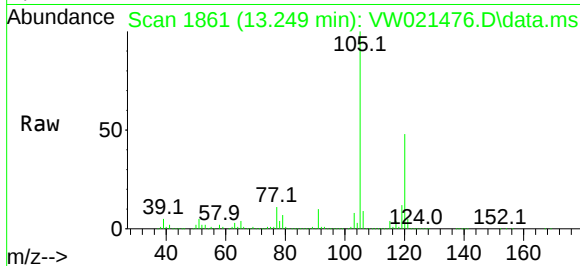




#63
1,2,4-Trimethylbenzene
Concen: 120.519 ug/L
RT: 13.249 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

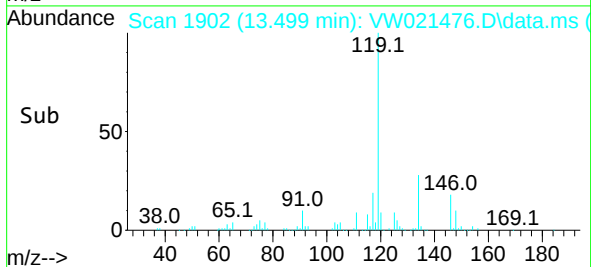
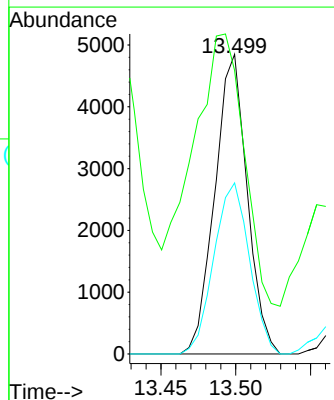
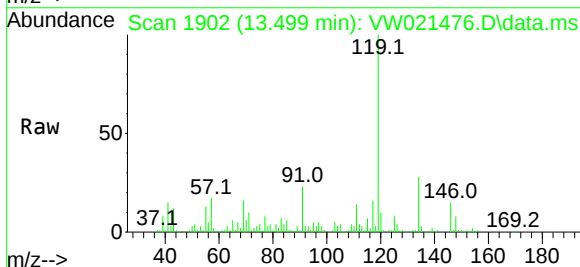
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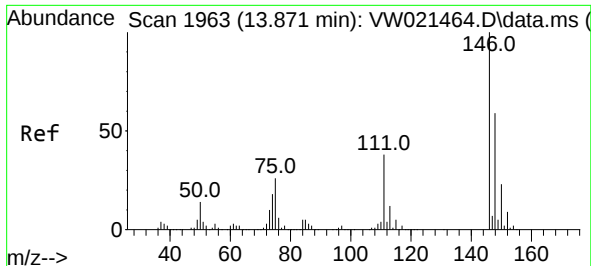
Tgt Ion:105 Resp: 1197204
Ion Ratio Lower Upper
105 100
120 46.7 35.0 52.6



#64
1,3-Dichlorobenzene
Concen: 1.310 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Tgt Ion:146 Resp: 7312
Ion Ratio Lower Upper
146 100
111 94.7 29.8 55.3#
148 57.1 46.2 85.8





#67

1,2-Dichlorobenzene

Concen: 1.843 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021476.D

Acq: 18 Dec 2021 15:06

Instrument :

MSVOA_W

ClientSampleId :

BGL83

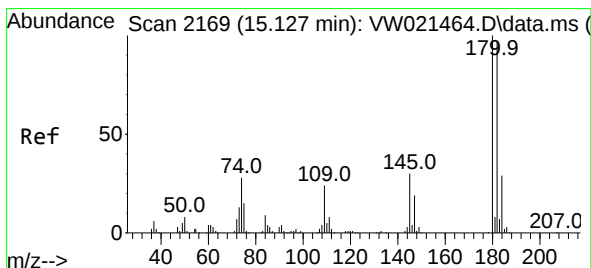
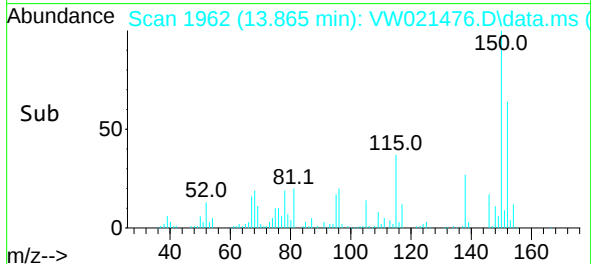
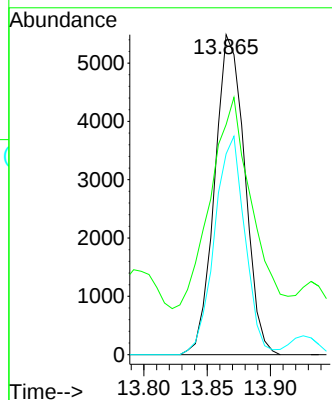
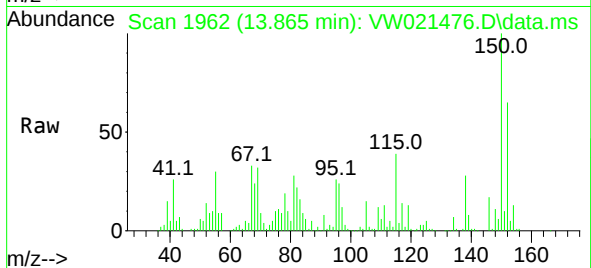
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Ion Ratio Lower Upper

146 100

111 71.9 33.1 49.7#

148 62.7 47.4 71.2



#70

1,2,4-trichlorobenzene

Concen: 7.337 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW021476.D

Acq: 18 Dec 2021 15:06

Tgt Ion:180 Resp: 24621

Ion Ratio Lower Upper

180 100

182 87.3 79.0 118.6

145 162.4 26.0 39.0#

