

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021467.D
 Acq On : 18 Dec 2021 11:29
 Operator : SY/VA
 Sample : M5154-08
 Misc : 6.85g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL88

Quant Time: Dec 18 23:10:59 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	8.848	114	159857	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	155758	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	80693	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	52598	18.066	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.280%
7) Chloroethane-d5	2.885	69	31276	16.250	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.000%
11) 1,1-Dichloroethene-d2	4.013	63	63763	16.428	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.720%
21) 2-Butanone-d5	7.086	46	22016	53.646	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.300%
24) Chloroform-d	7.653	84	93945	21.088	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.360%
26) 1,2-Dichloroethane-d4	8.305	65	53694	22.659	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.640%
32) Benzene-d6	8.275	84	186356	21.828	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.320%
36) 1,2-Dichloropropane-d6	9.275	67	53728	23.465	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.880%
41) Toluene-d8	10.323	98	185019	21.210	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.840%
43) trans-1,3-Dichloroprop...	10.579	79	23583	22.369	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.480%
47) 2-Hexanone-d5	10.927	63	19319	57.058	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.120%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	44850	22.786	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.160%
66) 1,2-Dichlorobenzene-d4	13.853	152	58978	18.859	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.440%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.355	62	5806	1.809	ug/L	# 27
13) Acetone	4.147	43	22231	60.426	ug/L	95
14) Carbon disulfide	4.379	76	5532	1.081	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	109495	48.386	ug/L	75
33) Benzene	8.323	78	66286	7.812	ug/L	100
35) Methylcyclohexane	9.335	83	19506	4.965	ug/L	# 71
40) 4-Methyl-2-pentanone	10.213	43	4840	4.693	ug/L	# 89
42) Toluene	10.390	91	369523	37.237	ug/L	97
51) Chlorobenzene	11.658	112	20631	3.105	ug/L	93
52) Ethylbenzene	11.731	91	5082622	448.197	ug/L	94
53) m,p-Xylene	11.835	106	5884592	1286.327	ug/L	74
54) o-Xylene	12.164	106	1620477	373.244	ug/L	85
60) Isopropylbenzene	12.463	105	518826	47.318	ug/L	95
62) 1,3,5-Trimethylbenzene	12.945	105	1161245	124.460	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	3911800	425.008	ug/L	94
67) 1,2-Dichlorobenzene	13.865	146	48301	10.608	ug/L	# 94
70) 1,2,4-trichlorobenzene	15.127	180	13395	4.308	ug/L	# 52
72) 1,2,3-Trichlorobenzene	15.554	180	5158	2.007	ug/L	# 54

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

Quant Time: Dec 18 23:10:59 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

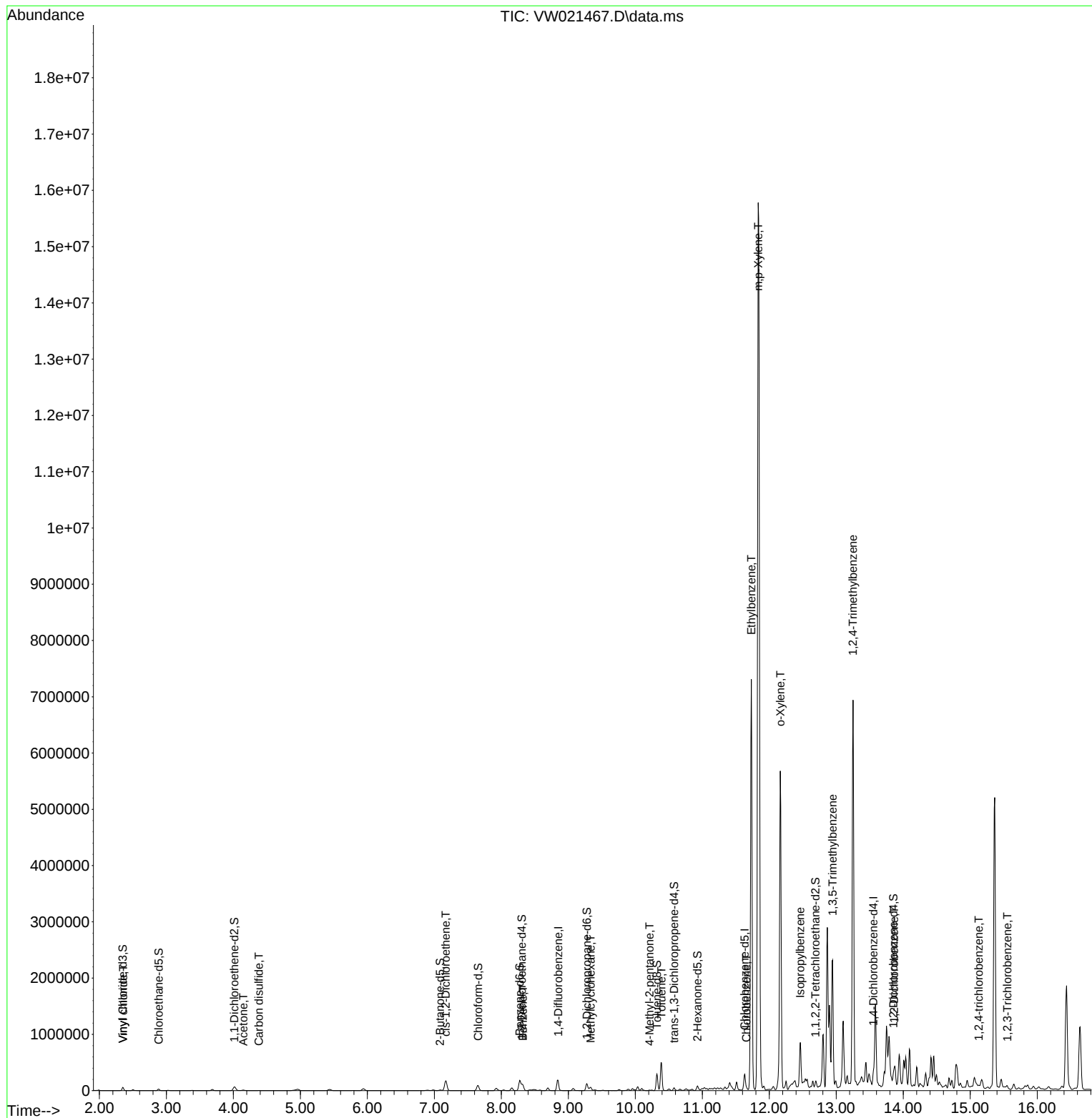
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

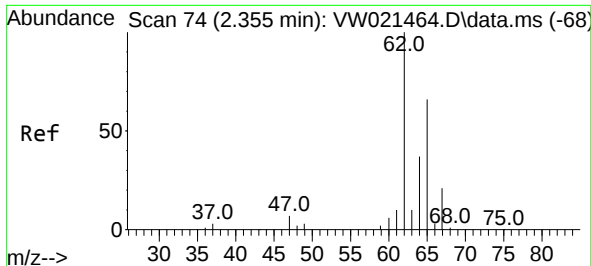
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

Quant Time: Dec 18 23:10:59 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

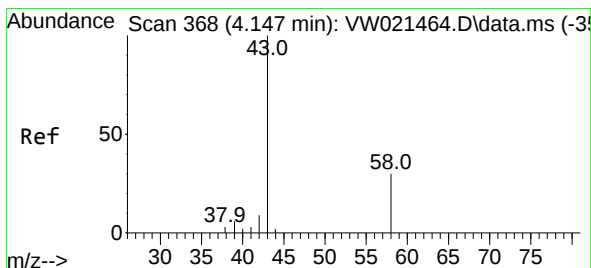
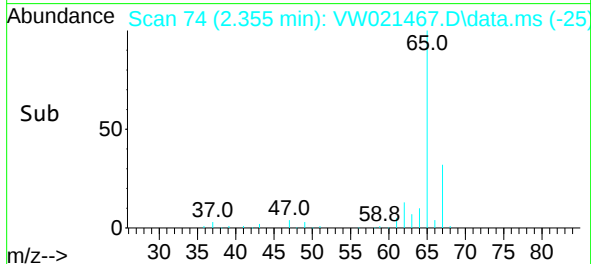
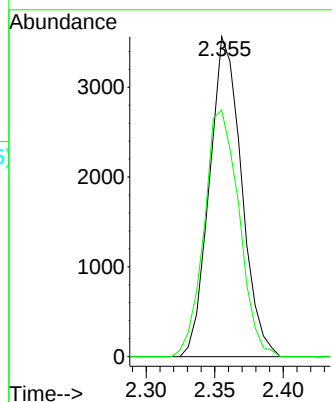
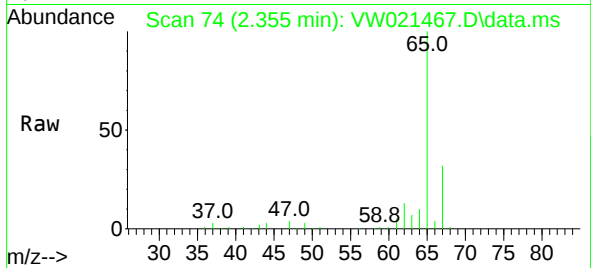




#5
 Vinyl chloride
 Concen: 1.809 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VW021467.D
 Acq: 18 Dec 2021 11:29

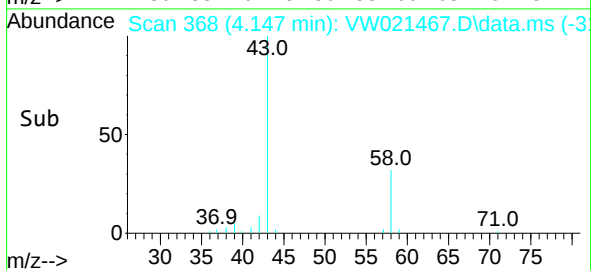
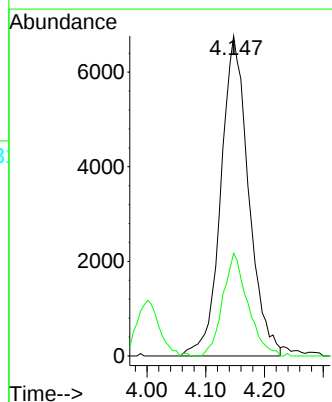
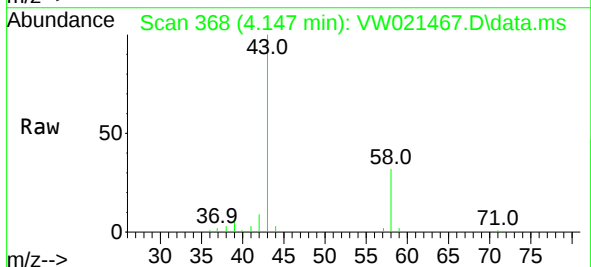
Instrument :
 MSVOA_W
 ClientSampleId :
 BGL88

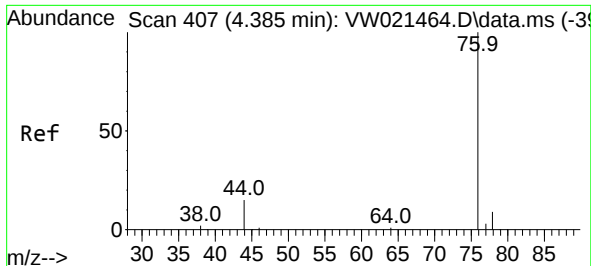
Tgt Ion: 62 Resp: 5806
 Ion Ratio Lower Upper
 62 100
 64 77.1 24.4 45.2#



#13
 Acetone
 Concen: 60.426 ug/L
 RT: 4.147 min Scan# 368
 Delta R.T. 0.031 min
 Lab File: VW021467.D
 Acq: 18 Dec 2021 11:29

Tgt Ion: 43 Resp: 22231
 Ion Ratio Lower Upper
 43 100
 58 28.9 0.0 52.8

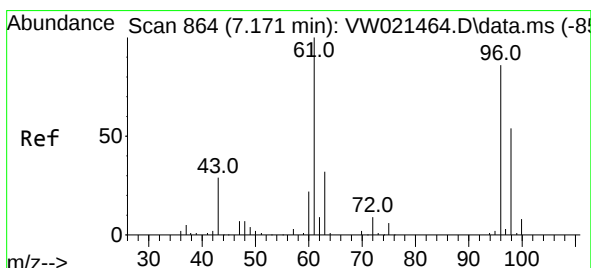
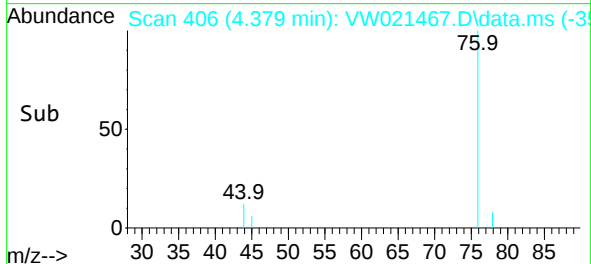
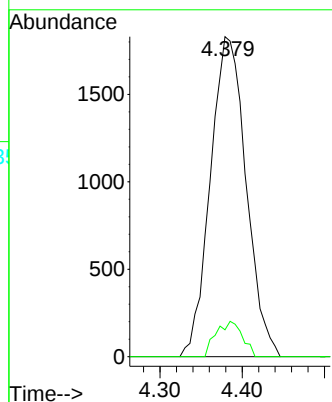
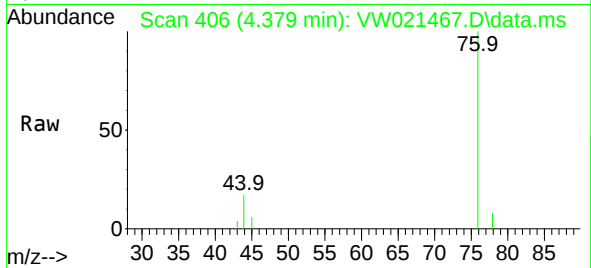




#14
Carbon disulfide
Concen: 1.081 ug/L
RT: 4.379 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

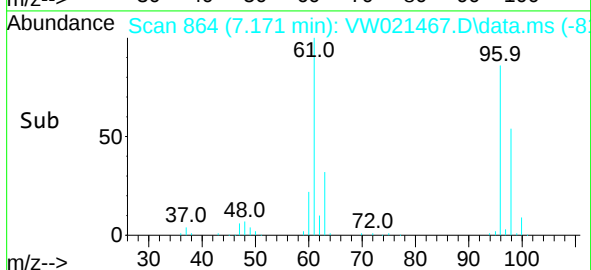
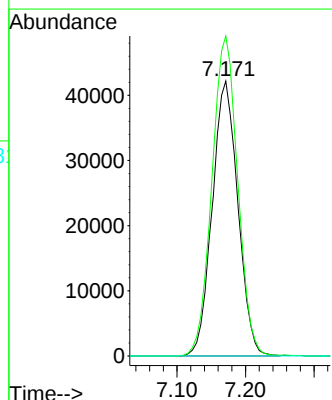
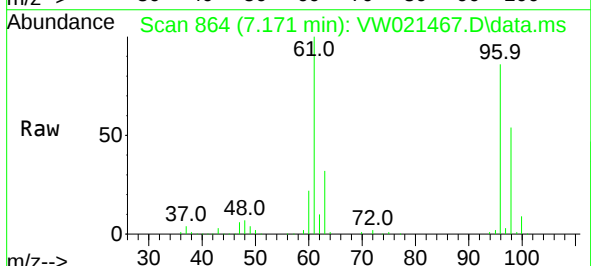
Instrument :
MSVOA_W
ClientSampleId :
BGL88

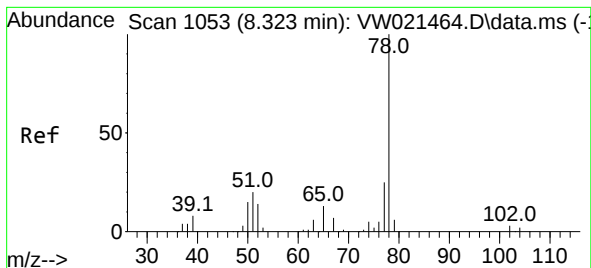
Tgt Ion: 76 Resp: 5532
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7



#20
cis-1,2-Dichloroethene
Concen: 48.386 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

Tgt Ion: 96 Resp: 109495
Ion Ratio Lower Upper
96 100
61 116.4 103.7 192.7
68 0.0 0.0 0.0





#33

Benzene

Concen: 7.812 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VW021467.D

Acq: 18 Dec 2021 11:29

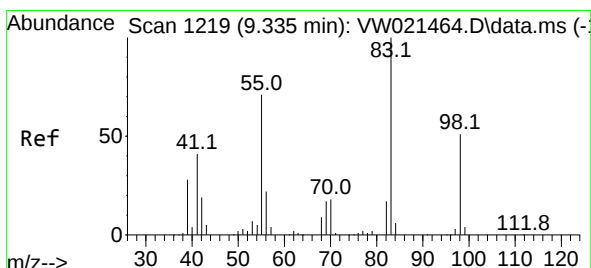
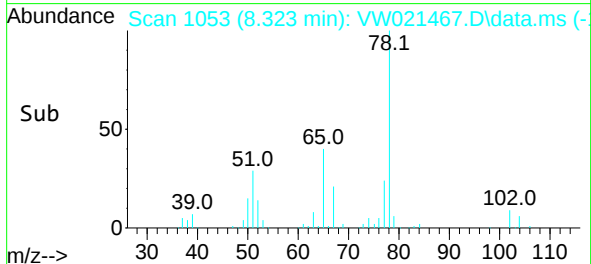
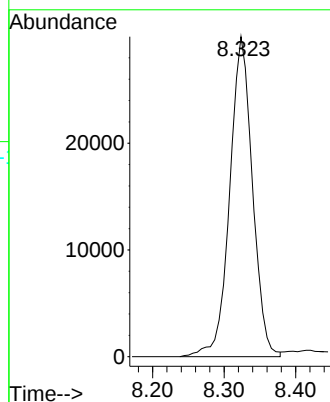
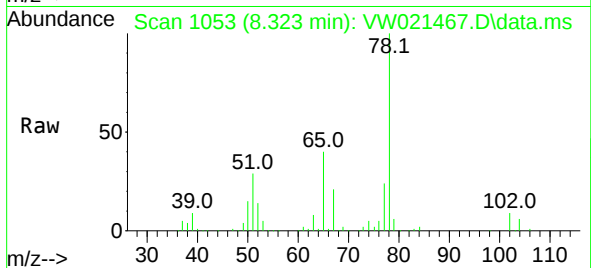
Instrument :

MSVOA_W

ClientSampleId :

BGL88

Tgt Ion: 78 Resp: 66286



#35

Methylcyclohexane

Concen: 4.965 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW021467.D

Acq: 18 Dec 2021 11:29

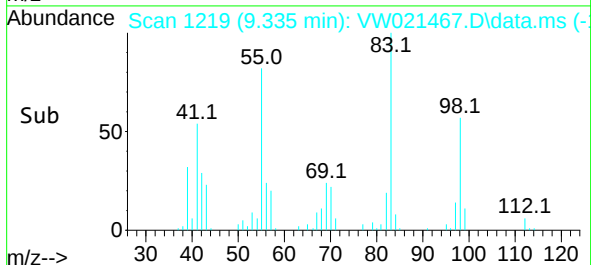
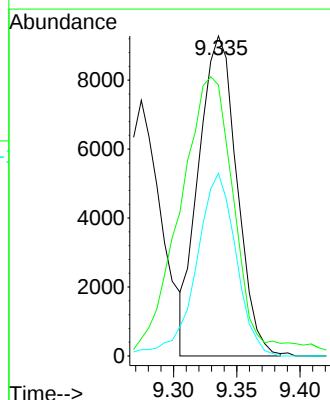
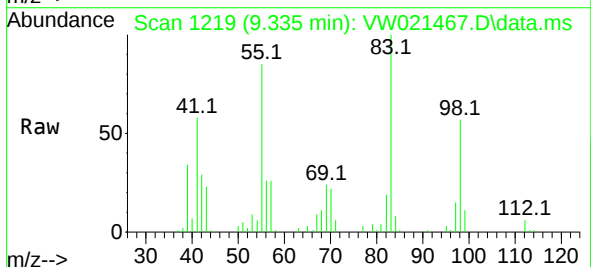
Tgt Ion: 83 Resp: 19506

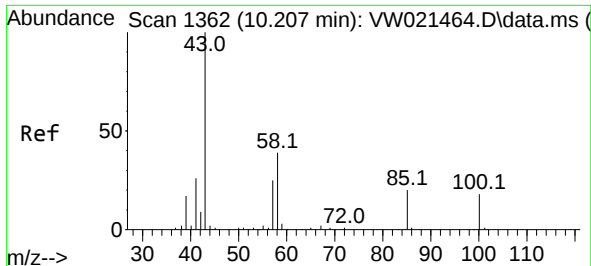
Ion Ratio Lower Upper

83 100

55 121.0 70.8 106.2#

98 59.8 37.7 56.5#





#40

4-Methyl-2-pentanone

Concen: 4.693 ug/L

RT: 10.213 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021467.D

Acq: 18 Dec 2021 11:29

Instrument :

MSVOA_W

ClientSampleId :

BGL88

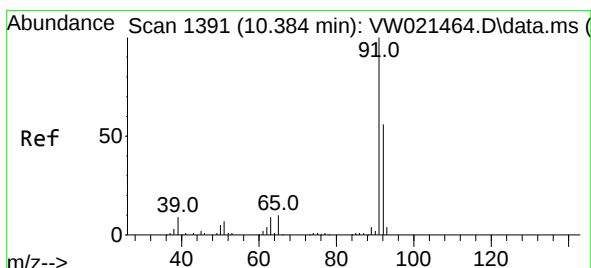
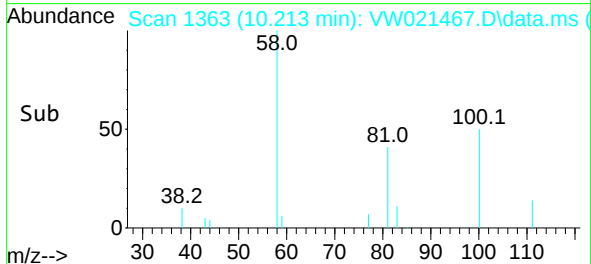
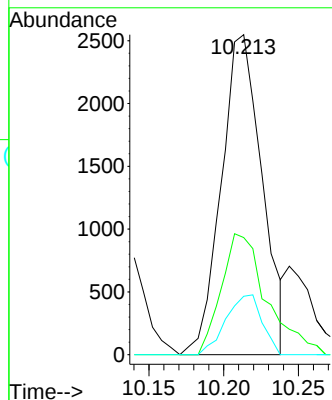
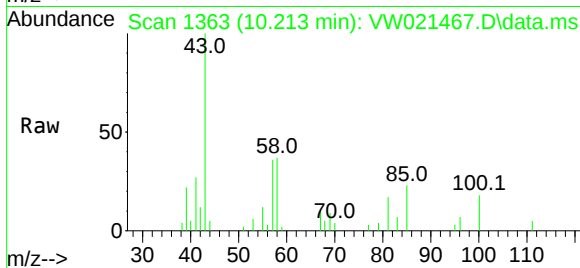
Tgt Ion: 43 Resp: 4840

Ion Ratio Lower Upper

43 100

58 42.3 28.8 43.2

100 16.5 10.0 15.0#



#42

Toluene

Concen: 37.237 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW021467.D

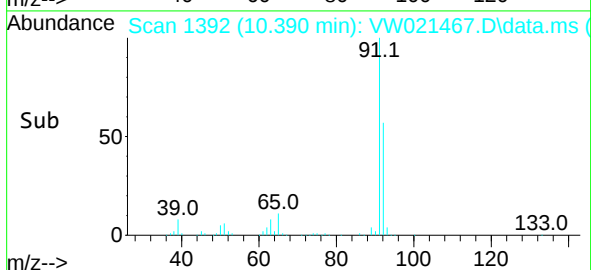
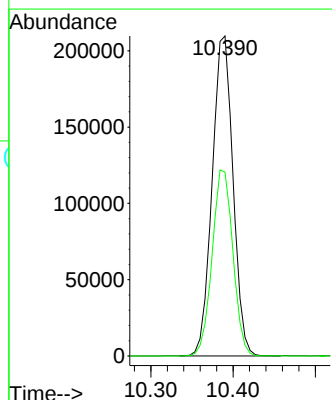
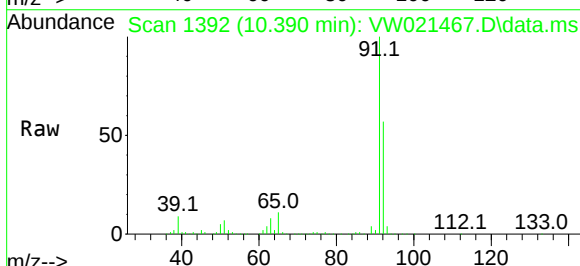
Acq: 18 Dec 2021 11:29

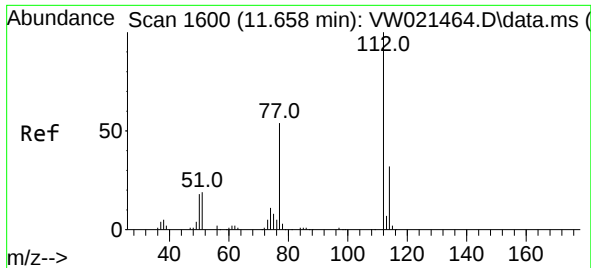
Tgt Ion: 91 Resp: 369523

Ion Ratio Lower Upper

91 100

92 57.5 41.7 77.5

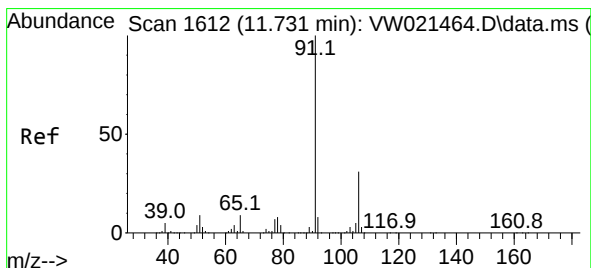
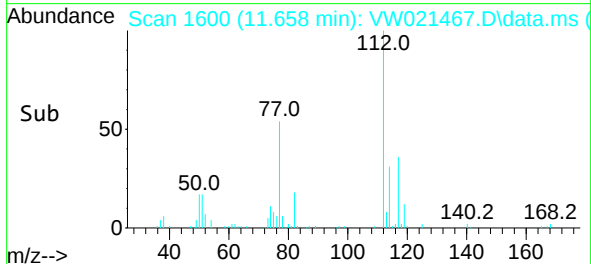
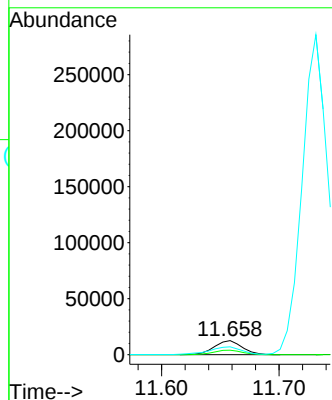
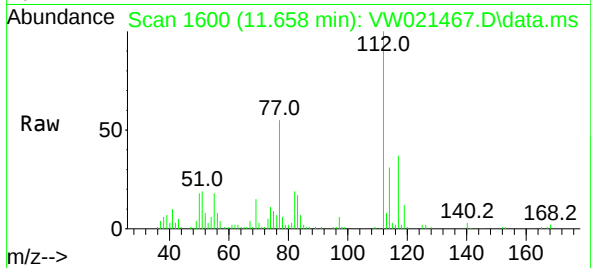




#51
Chlorobenzene
Concen: 3.105 ug/L
RT: 11.658 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

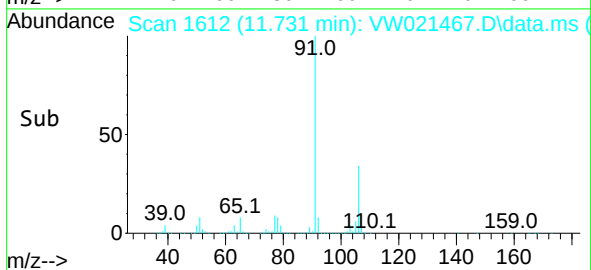
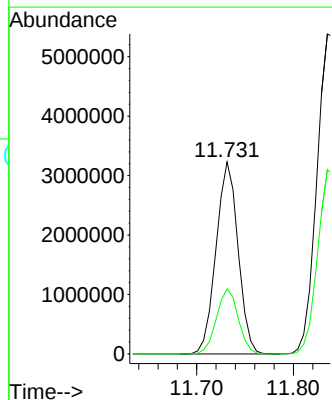
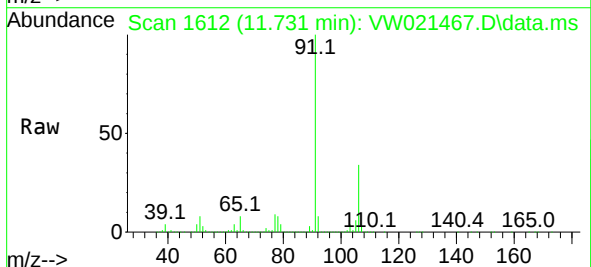
Instrument :
MSVOA_W
ClientSampleId :
BGL88

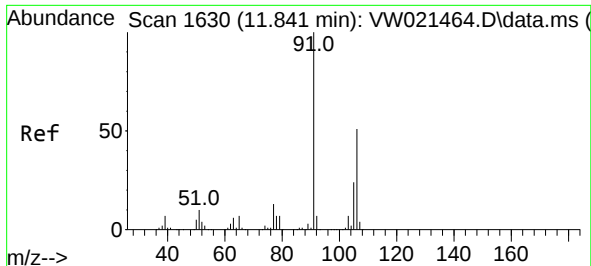
Tgt Ion:112 Resp: 20631
Ion Ratio Lower Upper
112 100
114 31.4 22.4 41.6
77 55.3 50.2 75.4



#52
Ethylbenzene
Concen: 448.197 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

Tgt Ion: 91 Resp: 5082622
Ion Ratio Lower Upper
91 100
106 34.0 21.5 39.9

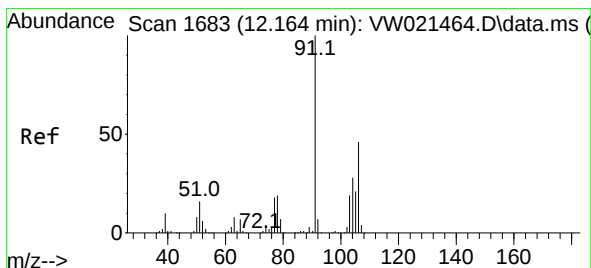
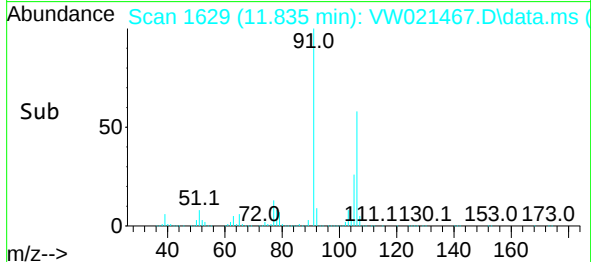
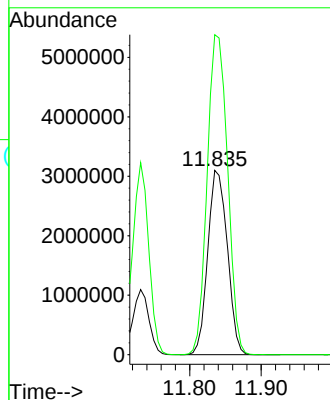
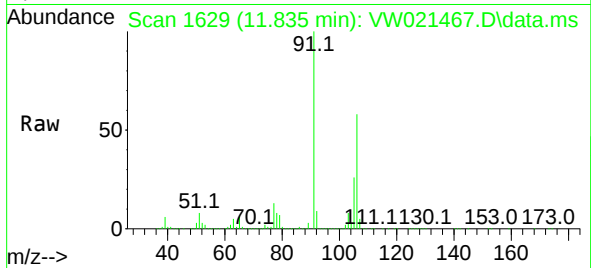




#53
m,p-Xylene
Concen: 1286.327 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

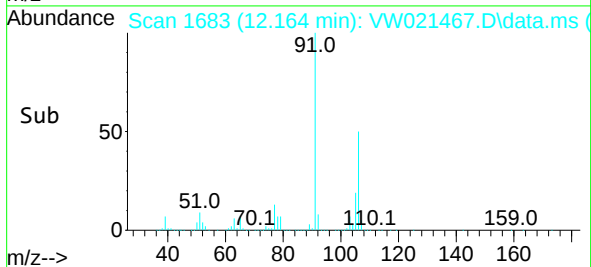
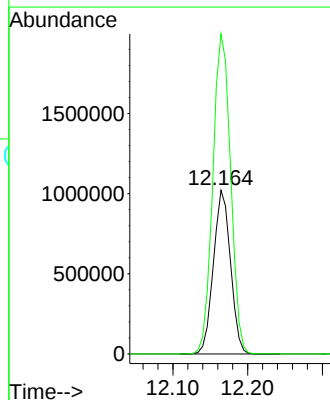
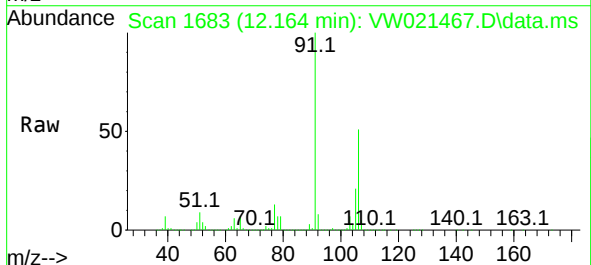
Instrument :
MSVOA_W
ClientSampleId :
BGL88

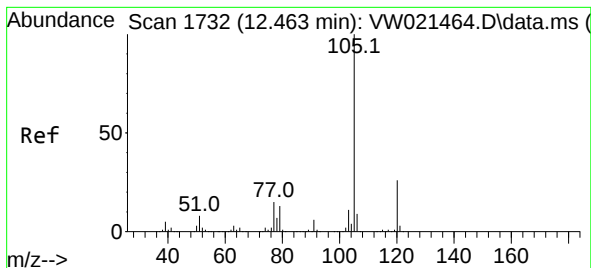
Tgt Ion:106 Resp: 5884592
Ion Ratio Lower Upper
106 100
91 173.6 149.9 278.3



#54
o-Xylene
Concen: 373.244 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

Tgt Ion:106 Resp: 1620477
Ion Ratio Lower Upper
106 100
91 195.5 153.6 285.3





#60

Isopropylbenzene

Concen: 47.318 ug/L

RT: 12.463 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW021467.D

Acq: 18 Dec 2021 11:29

Instrument :

MSVOA_W

ClientSampleId :

BGL88

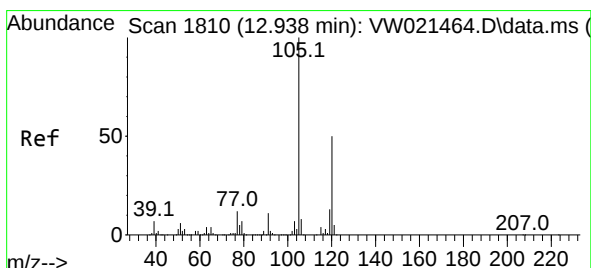
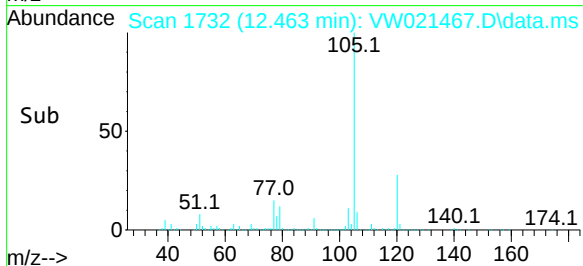
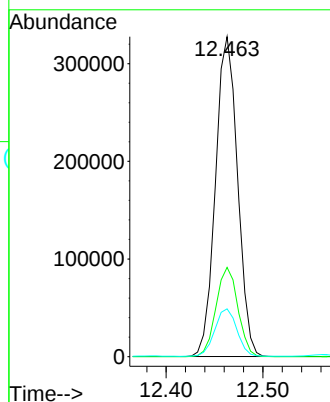
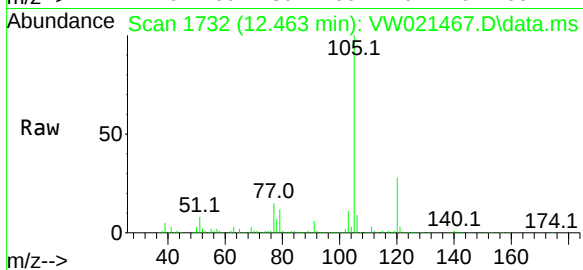
Tgt Ion:105 Resp: 518826

Ion Ratio Lower Upper

105 100

120 27.7 20.1 30.1

77 14.9 13.8 20.8



#62

1,3,5-Trimethylbenzene

Concen: 124.460 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021467.D

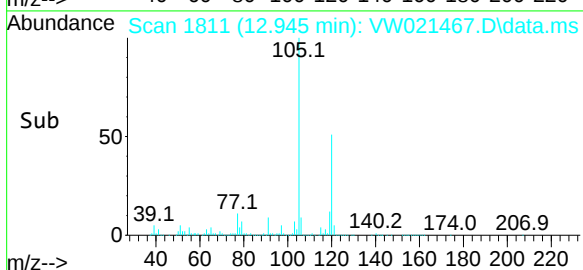
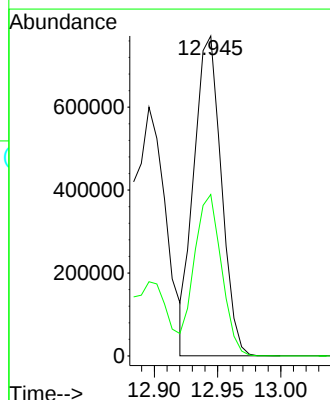
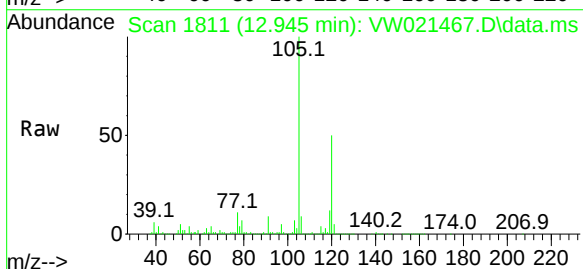
Acq: 18 Dec 2021 11:29

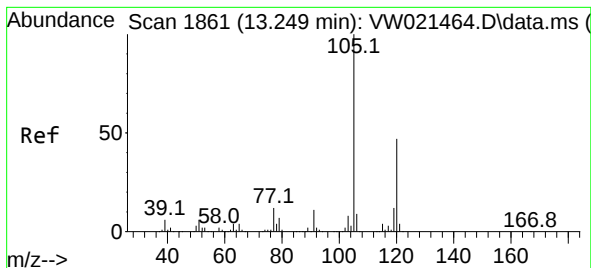
Tgt Ion:105 Resp: 1161245

Ion Ratio Lower Upper

105 100

120 50.2 37.4 56.2

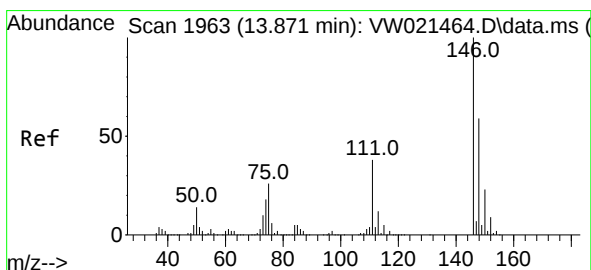
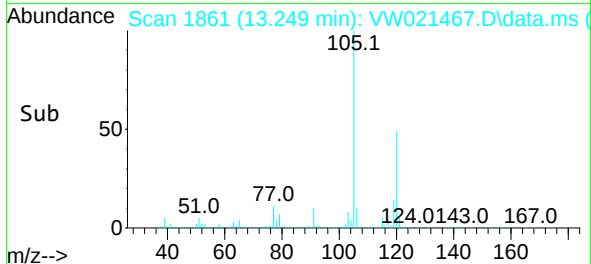
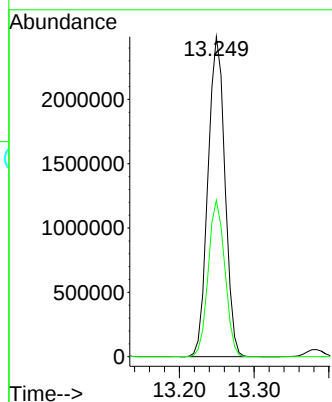
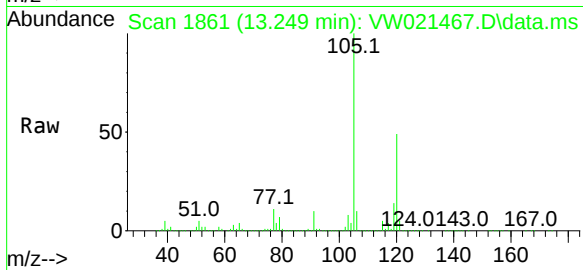




#63
1,2,4-Trimethylbenzene
Concen: 425.008 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

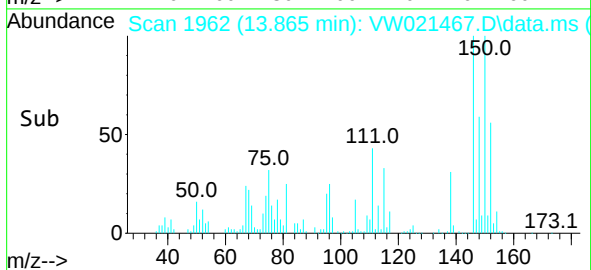
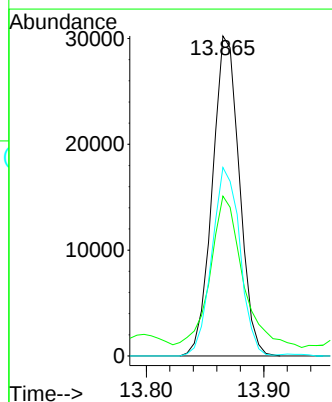
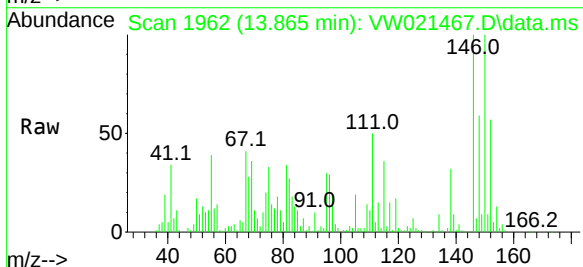
Instrument :
MSVOA_W
ClientSampleId :
BGL88

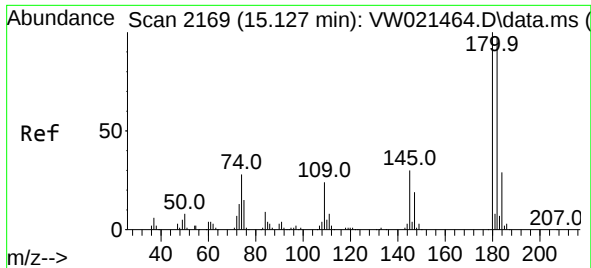
Tgt Ion:105 Resp: 3911800
Ion Ratio Lower Upper
105 100
120 47.9 35.0 52.6



#67
1,2-Dichlorobenzene
Concen: 10.608 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

Tgt Ion:146 Resp: 48301
Ion Ratio Lower Upper
146 100
111 49.9 33.1 49.7#
148 58.9 47.4 71.2

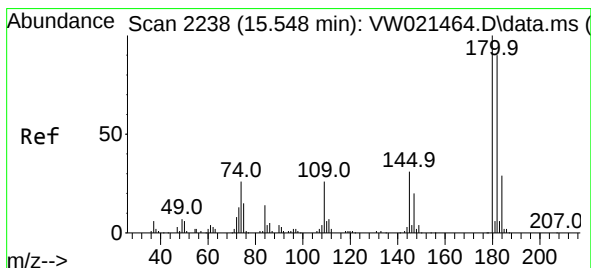
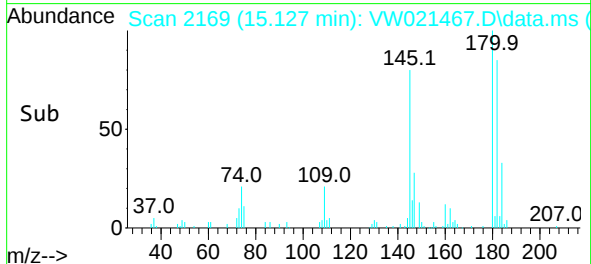
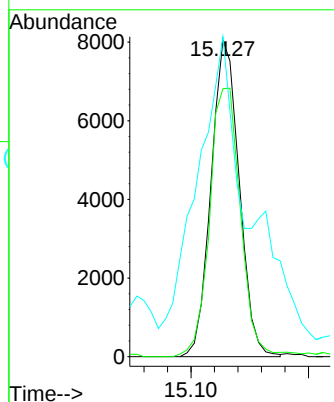
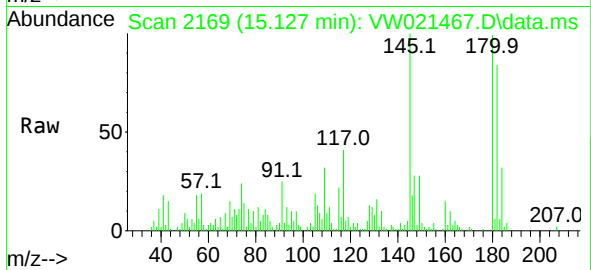




#70
1,2,4-trichlorobenzene
Concen: 4.308 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

Instrument :
MSVOA_W
ClientSampleId :
BGL88

Tgt Ion:180 Resp: 13395
Ion Ratio Lower Upper
180 100
182 92.1 79.0 118.6
145 130.0 26.0 39.0#



#72
1,2,3-Trichlorobenzene
Concen: 2.007 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. 0.006 min
Lab File: VW021467.D
Acq: 18 Dec 2021 11:29

Tgt Ion:180 Resp: 5158
Ion Ratio Lower Upper
180 100
182 95.5 76.6 114.8
145 134.5 27.4 41.0#

