

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
 Data File : VW021677.D
 Acq On : 28 Dec 2021 19:10
 Operator : SY/VA
 Sample : M5213-03
 Misc : 5.34g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 29 00:26:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 29 00:22:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	125339	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	122663	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	86179	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	58963	23.859	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.440%
7) Chloroethane-d5	2.879	69	36457	21.903	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	4.013	63	58210	16.096	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.400%
21) 2-Butanone-d5	7.086	46	15327	42.392	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.780%
24) Chloroform-d	7.647	84	81019	20.693	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.760%
26) 1,2-Dichloroethane-d4	8.305	65	44252	21.405	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.600%
32) Benzene-d6	8.275	84	157225	21.587	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.360%
36) 1,2-Dichloropropane-d6	9.274	67	42751	21.637	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.560%
41) Toluene-d8	10.323	98	156721	21.596	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	10.579	79	21013	21.856	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.440%
47) 2-Hexanone-d5	10.927	63	13655	45.570	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.140%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	36720	22.542	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.160%
66) 1,2-Dichlorobenzene-d4	13.853	152	70565	21.412	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.640%
Target Compounds						Qvalue
13) Acetone	4.153	43	9026	29.402	ug/L	93
22) 2-Butanone	7.189	43	1560	3.738	ug/L	85
33) Benzene	8.323	78	11628	1.554	ug/L	100
34) Trichloroethene	8.842	95	3648	1.717	ug/L	# 5
37) 1,2-Dichloropropane	9.274	63	5422	3.269	ug/L	# 88
39) cis-1,3-Dichloropropene	10.037	75	1812	0.669	ug/L	# 76
48) 2-Hexanone	10.927	43	2693	4.340	ug/L	# 62
52) Ethylbenzene	11.731	91	608526	62.747	ug/L	95
53) m,p-Xylene	11.835	106	1101433	283.441	ug/L	91
54) o-Xylene	12.164	106	302938	82.252	ug/L	92
55) Styrene	12.164	104	15112	2.389	ug/L	# 1
60) Isopropylbenzene	12.463	105	26961	2.244	ug/L	97
62) 1,3,5-Trimethylbenzene	12.938	105	311602	30.680	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	1365425	135.345	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.420	75	1149	3.957	ug/L	# 18
71) Naphthalene	15.359	128	323155	59.718	ug/L	100

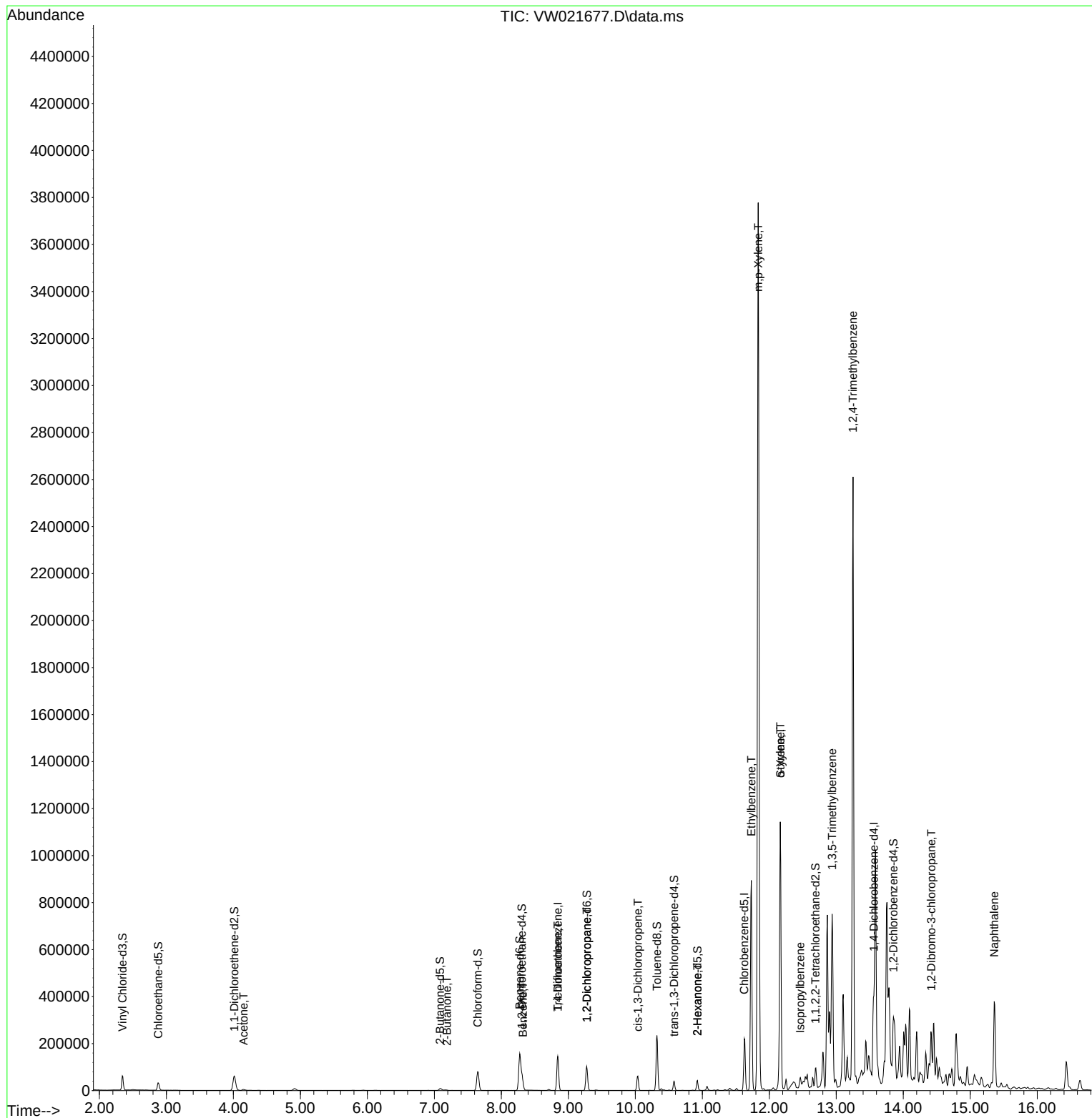
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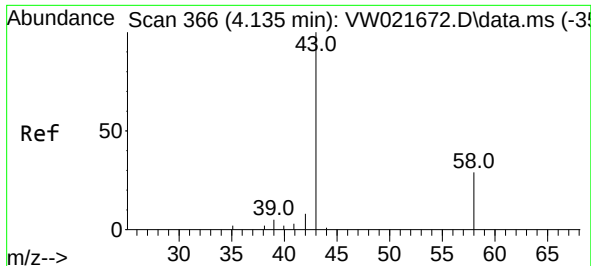
Instrument :
MSVOA_W
ClientSampleId :

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Quant Time: Dec 29 00:26:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 29 00:22:49 2021
Response via : Initial Calibration





#13

Acetone

Concen: 29.402 ug/L

RT: 4.153 min Scan# 3

Delta R.T. 0.018 min

Lab File: VW021677.D

Acq: 28 Dec 2021 19:10

Instrument :

MSVOA_W

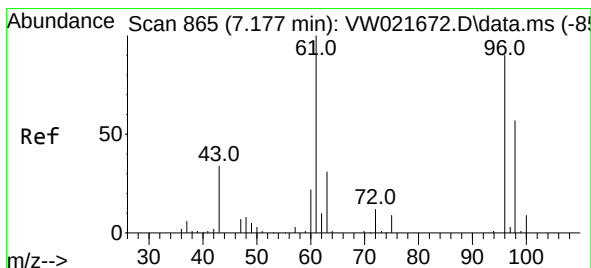
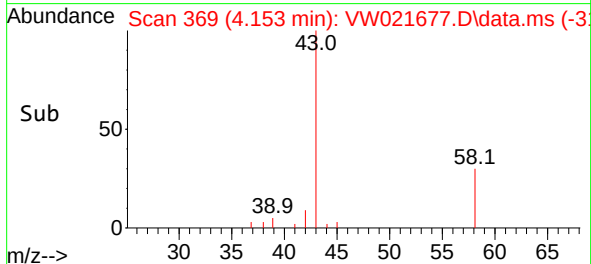
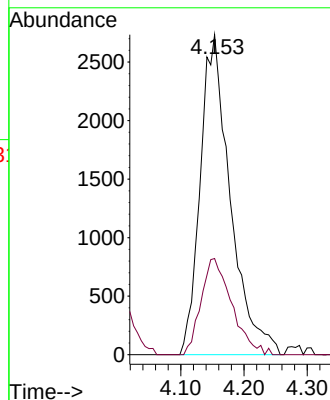
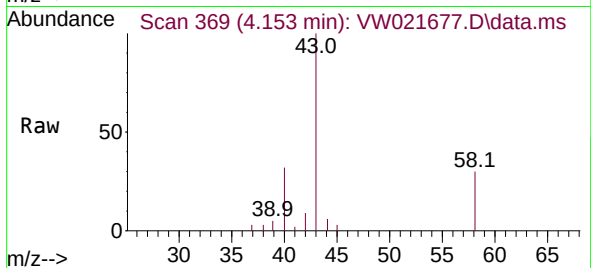
ClientSampleId :

Tgt Ion: 43 Resp: 9026

Ion Ratio Lower Upper

43 100

58 30.2 0.0 52.8



#22

2-Butanone

Concen: 3.738 ug/L

RT: 7.189 min Scan# 867

Delta R.T. 0.012 min

Lab File: VW021677.D

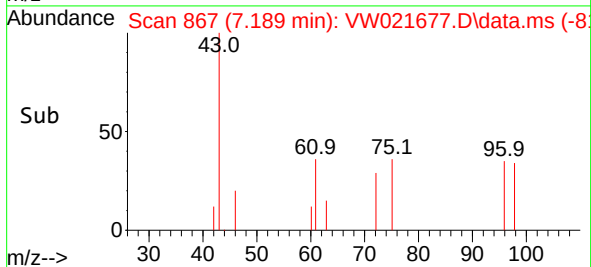
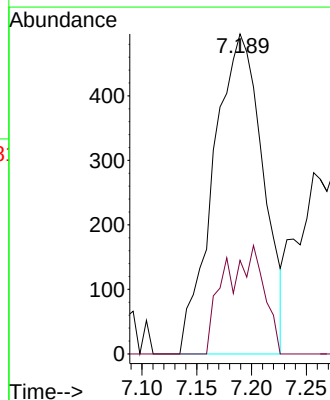
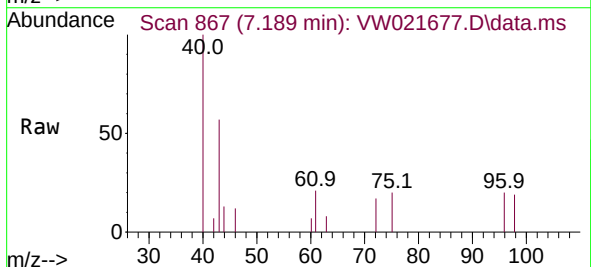
Acq: 28 Dec 2021 19:10

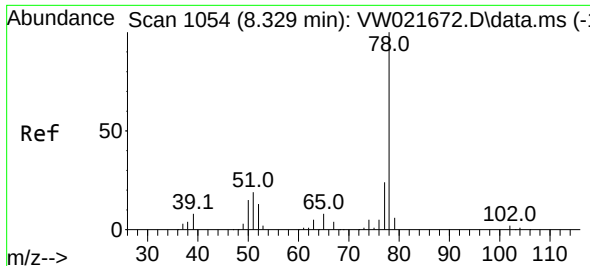
Tgt Ion: 43 Resp: 1560

Ion Ratio Lower Upper

43 100

72 16.4 11.8 35.4

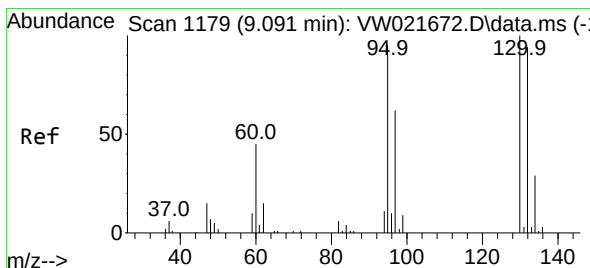
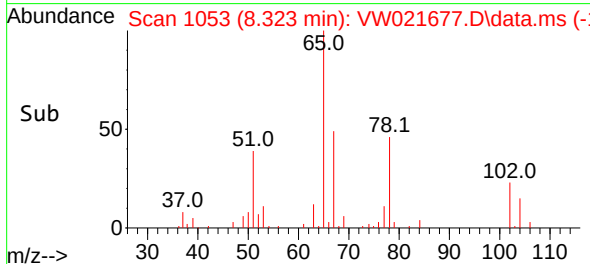
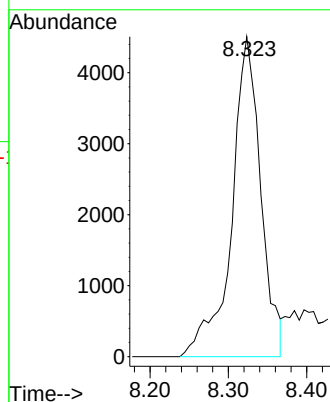
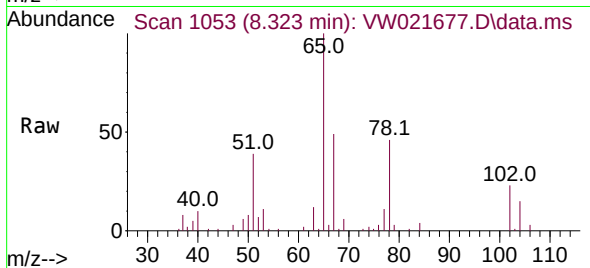




#33
Benzene
Concen: 1.554 ug/L
RT: 8.323 min Scan# 1137
Delta R.T. -0.006 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

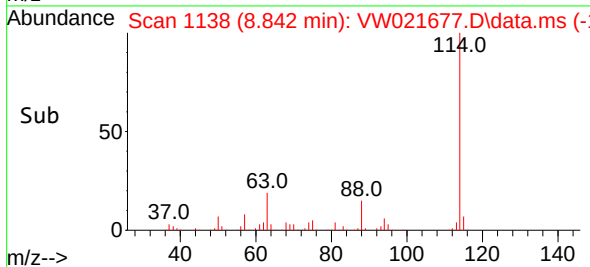
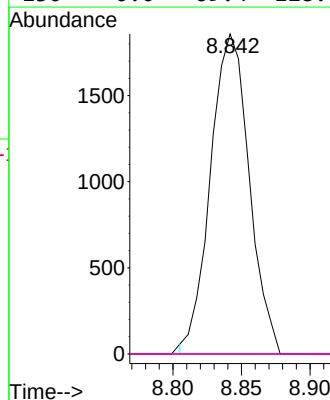
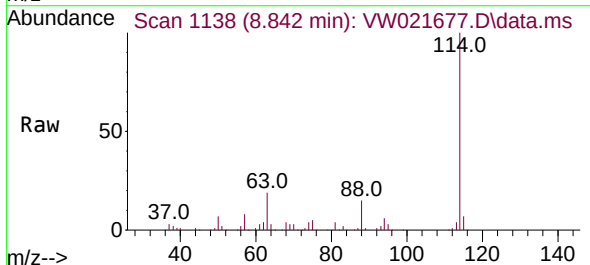
Instrument :
MSVOA_W
ClientSampleId :

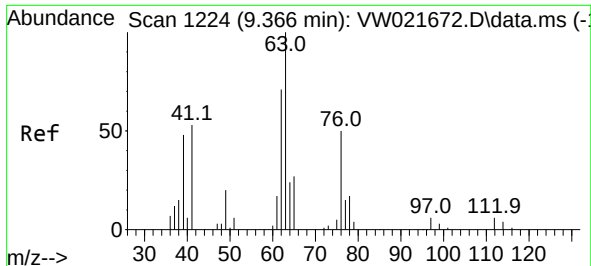
Tgt Ion: 78 Resp: 11628



#34
Trichloroethene
Concen: 1.717 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

Tgt Ion: 95 Resp: 3648
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: 3.269 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.091 min

Lab File: VW021677.D

Acq: 28 Dec 2021 19:10

Instrument :

MSVOA_W

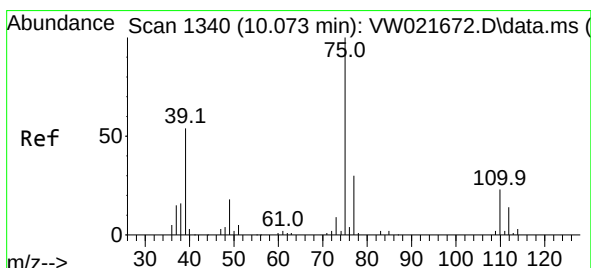
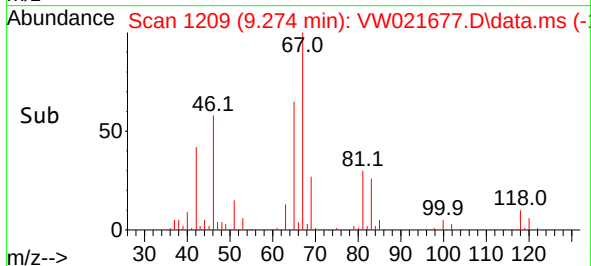
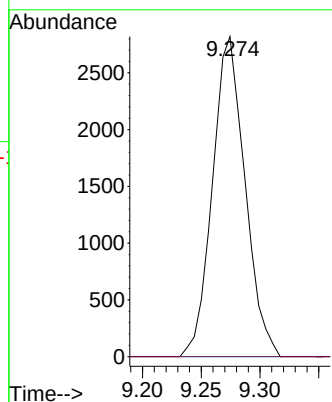
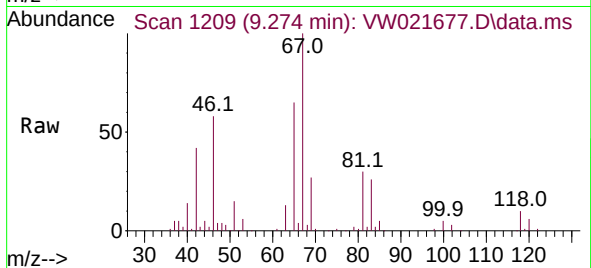
ClientSampleId :

Tgt Ion: 63 Resp: 5422

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.669 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.036 min

Lab File: VW021677.D

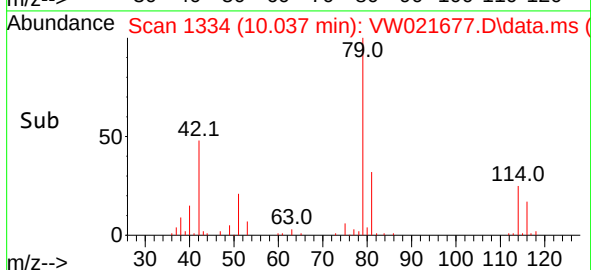
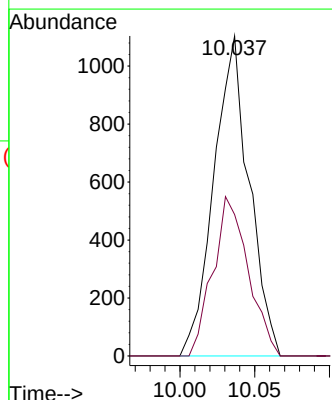
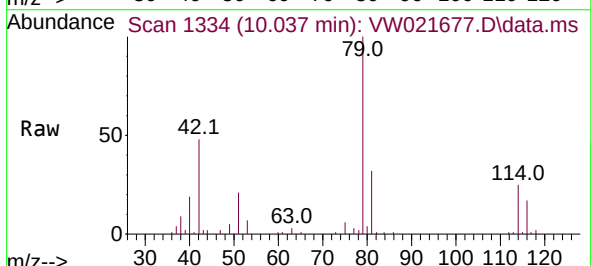
Acq: 28 Dec 2021 19:10

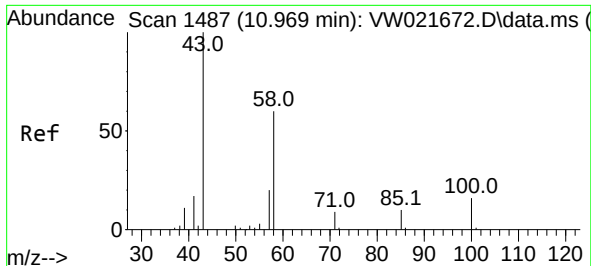
Tgt Ion: 75 Resp: 1812

Ion Ratio Lower Upper

75 100

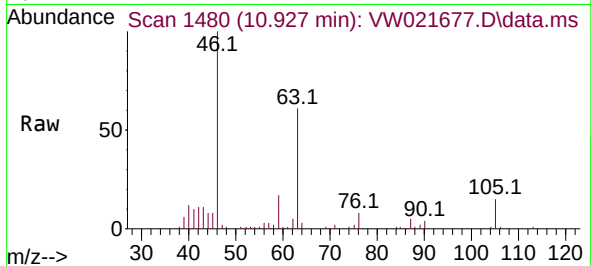
77 44.2 21.8 40.6#



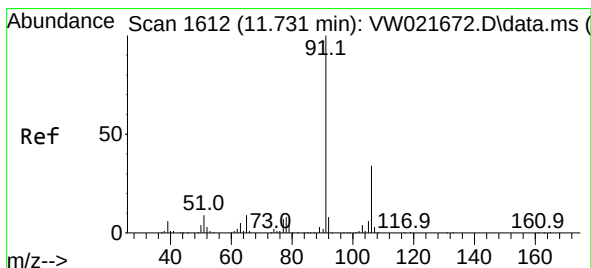
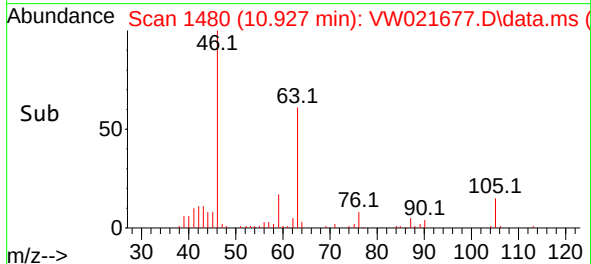
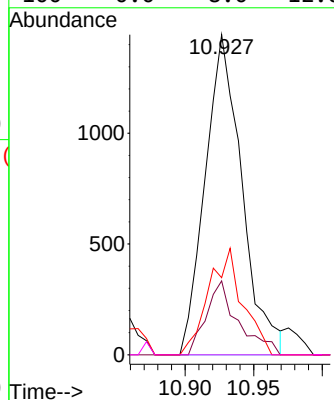


#48
2-Hexanone
Concen: 4.340 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

Instrument :
MSVOA_W
ClientSampleId :

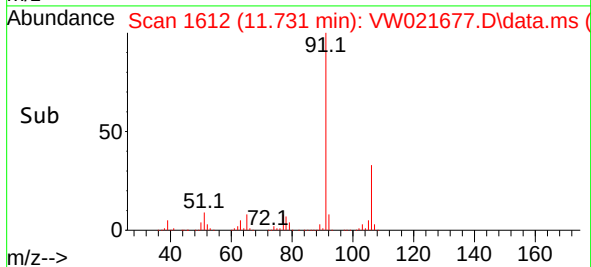
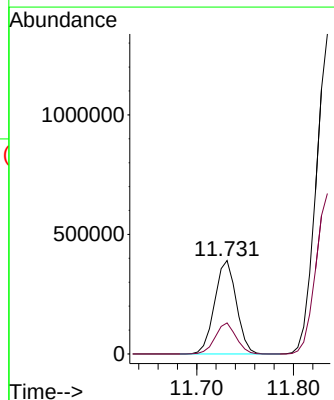
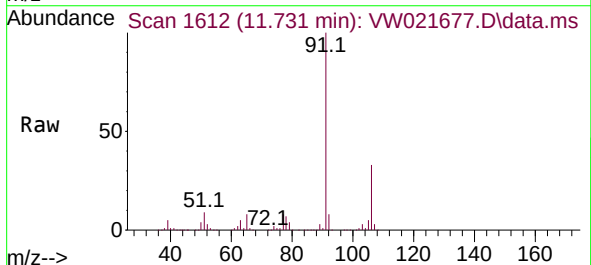


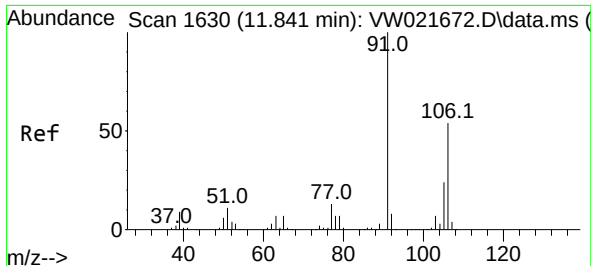
Tgt Ion	Ratio	Lower	Upper
43	100		
58	20.1	40.2	60.2#
57	31.0	14.3	21.5#
100	0.0	8.0	12.0#



#52
Ethylbenzene
Concen: 62.747 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.3	21.5	39.9

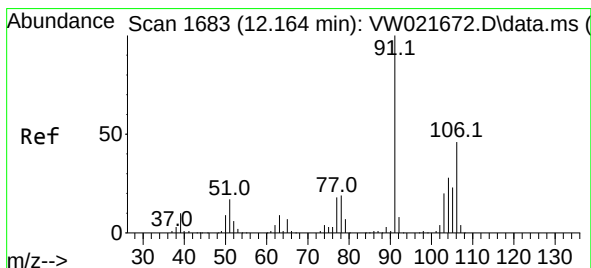
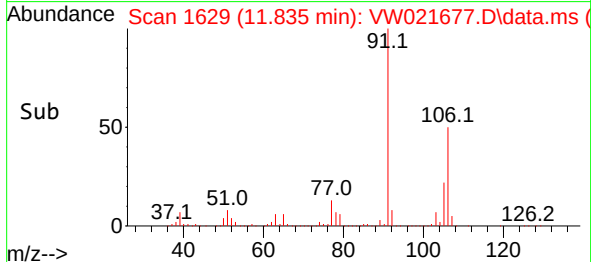
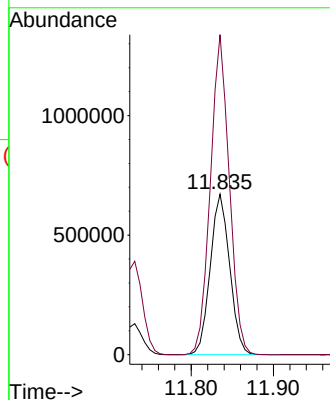
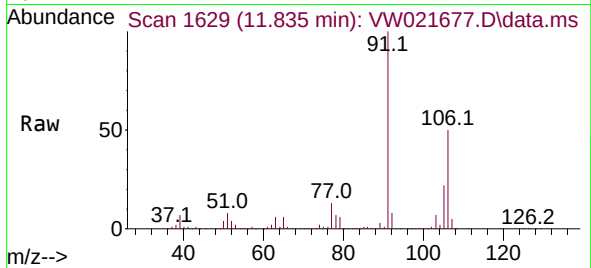




#53
m,p-Xylene
Concen: 283.441 ug/L
RT: 11.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

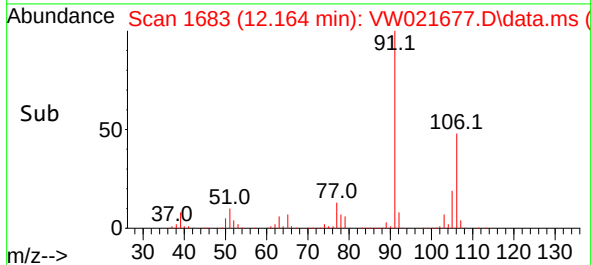
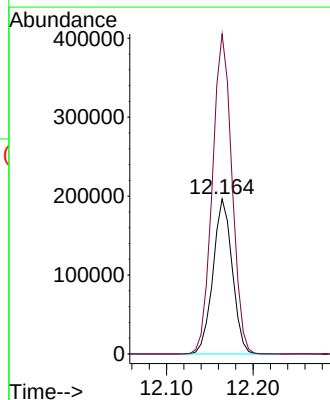
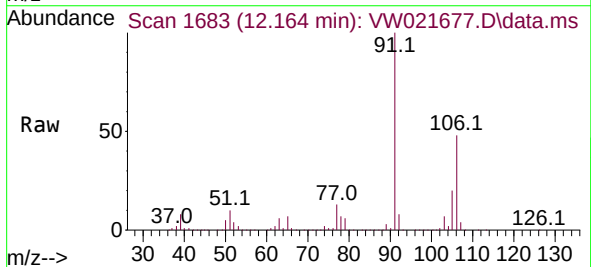
Instrument :
MSVOA_W
ClientSampleId :

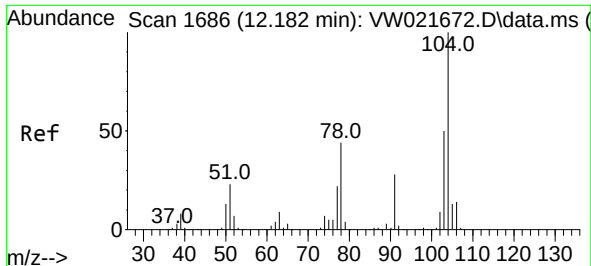
Tgt Ion:106 Resp: 1101433
Ion Ratio Lower Upper
106 100
91 199.4 149.9 278.3



#54
o-Xylene
Concen: 82.252 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

Tgt Ion:106 Resp: 302938
Ion Ratio Lower Upper
106 100
91 206.5 153.6 285.3

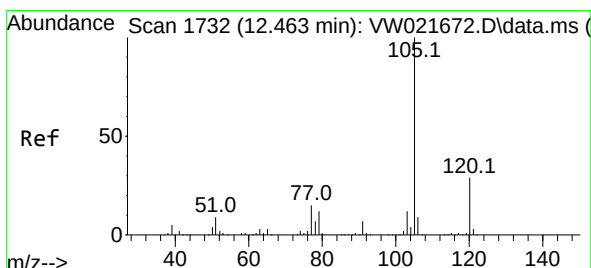
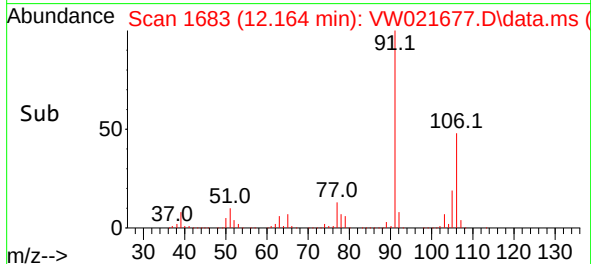
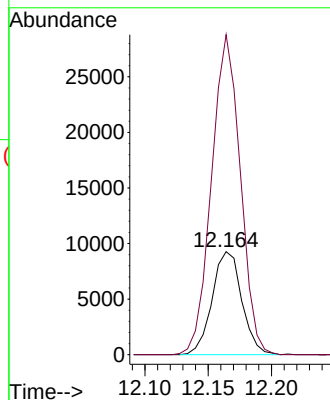
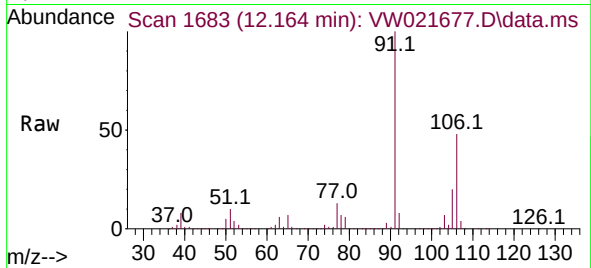




#55
Styrene
Concen: 2.389 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.018 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

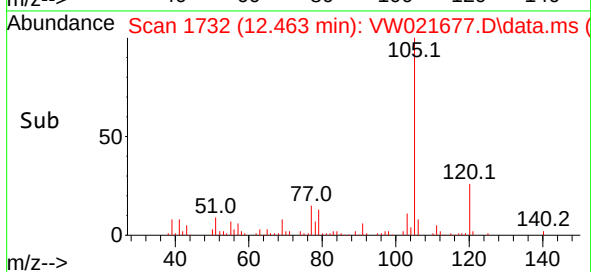
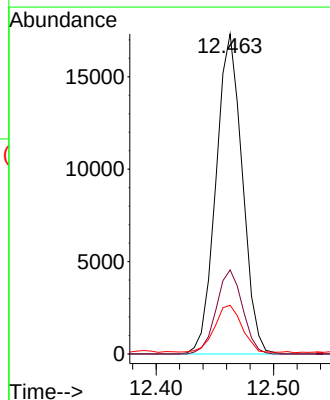
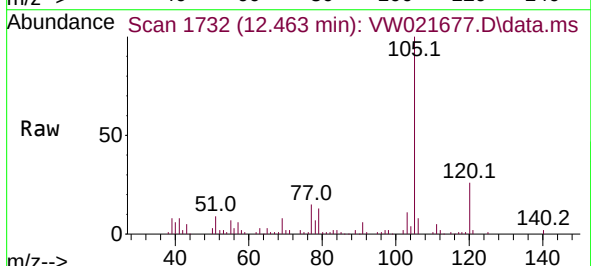
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MSVOA_W
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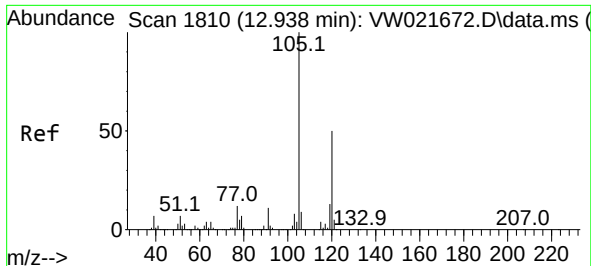
Tgt Ion:104 Resp: 15112
Ion Ratio Lower Upper
104 100
78 310.6 34.4 64.0#



#60
Isopropylbenzene
Concen: 2.244 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

Tgt Ion:105 Resp: 26961
Ion Ratio Lower Upper
105 100
120 26.2 20.1 30.1
77 15.5 13.8 20.8

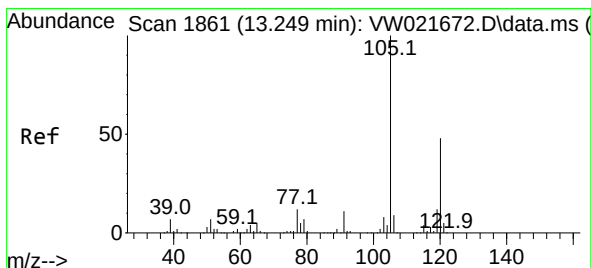
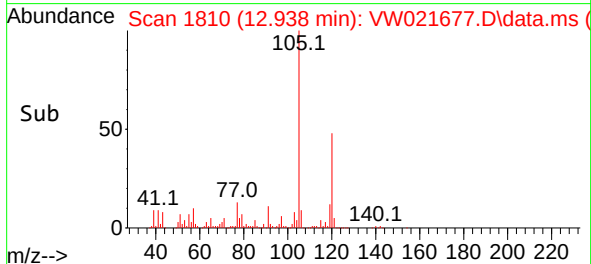
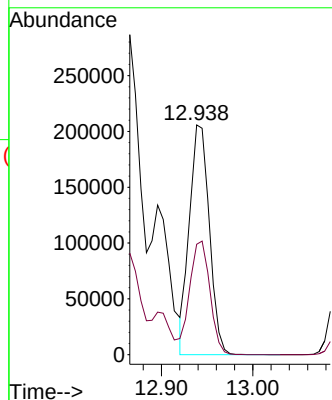
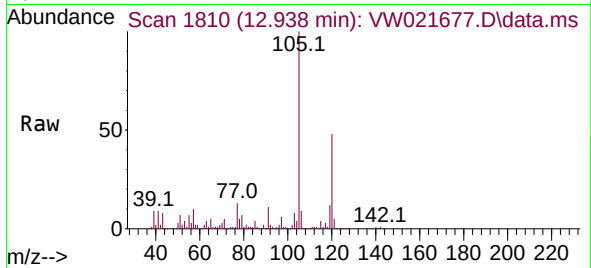




#62
 1,3,5-Trimethylbenzene
 Concen: 30.680 ug/L
 RT: 12.938 min Scan# 1810
 Delta R.T. 0.000 min
 Lab File: VW021677.D
 Acq: 28 Dec 2021 19:10

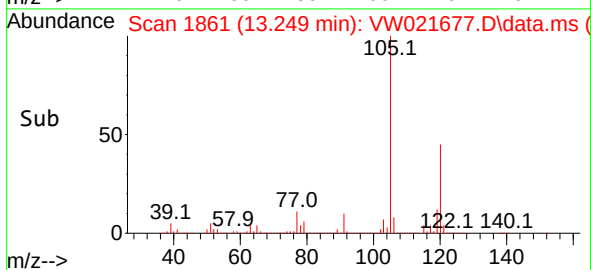
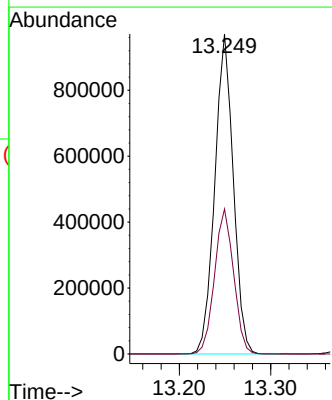
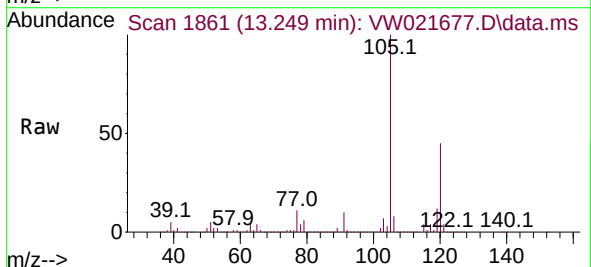
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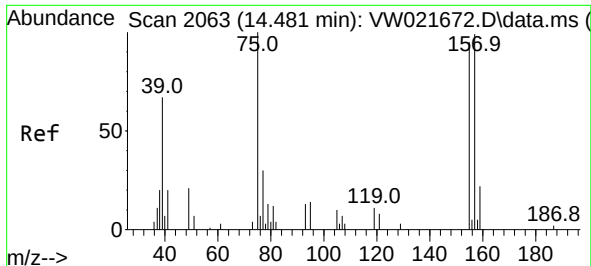
Tgt Ion:105 Resp: 311602
 Ion Ratio Lower Upper
 105 100
 120 51.3 37.4 56.2



#63
 1,2,4-Trimethylbenzene
 Concen: 135.345 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: VW021677.D
 Acq: 28 Dec 2021 19:10

Tgt Ion:105 Resp: 1365425
 Ion Ratio Lower Upper
 105 100
 120 46.6 35.0 52.6

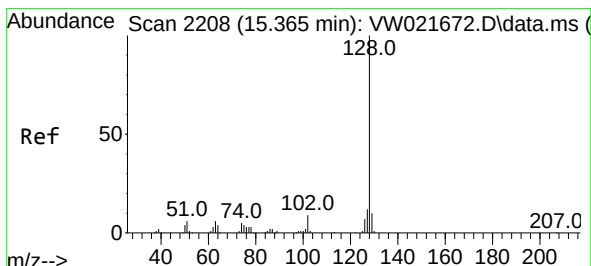
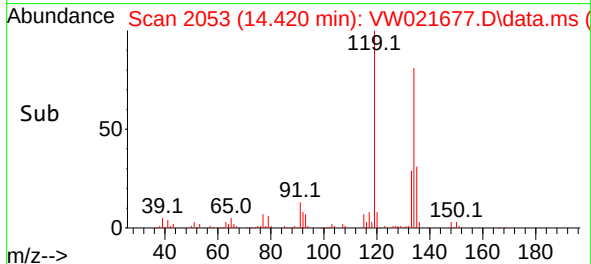
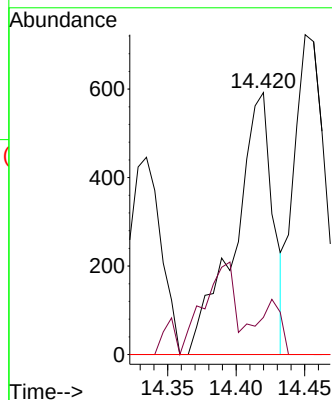
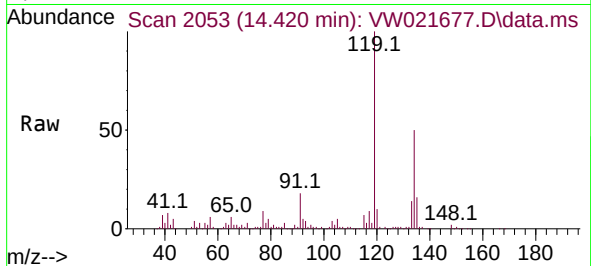




#68
1,2-Dibromo-3-chloropropane
Concen: 3.957 ug/L
RT: 14.420 min Scan# 2063
Delta R.T. -0.061 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 1149
Ion Ratio Lower Upper
75 100
155 14.2 54.2 81.2#
157 0.0 69.4 104.2#



#71
Naphthalene
Concen: 59.718 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW021677.D
Acq: 28 Dec 2021 19:10

Tgt Ion: 128 Resp: 323155
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.8 8.6 12.8

