

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041822\
 Data File : VW025609.D
 Acq On : 18 Apr 2022 15:49
 Operator : SY/MD
 Sample : N2438-15RE
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW6T1

Quant Time: Apr 19 05:08:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 19 05:06:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	142035	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	140884	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	68702	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	60491	4.581	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.600%
7) Chloroethane-d5	1.571	69	55487	3.950	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.000%
11) 1,1-Dichloroethene-d2	2.111	63	86398	3.266	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	3.899	46	80587	50.170	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.340%
24) Chloroform-d	4.352	84	93122	4.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.037	65	42771	4.975	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.053	84	185755	4.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.072	67	54948	4.833	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.317	98	159049	4.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	7.625	79	16442	4.303	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.088	63	59967	44.716	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.440%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	34996	4.873	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	53457	4.641	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	762	0.055	ug/L	93
13) Acetone	2.195	43	7809	7.163	ug/L	97
15) Methyl Acetate	2.436	43	2170	0.896	ug/L #	43
25) Chloroform	4.378	83	2767	0.150	ug/L	83
27) 1,2-Dichloroethane	5.053	62	949	0.097	ug/L #	71
30) Cyclohexane	4.680	56	1286	0.085	ug/L	98
33) Benzene	5.108	78	8519	0.205	ug/L	100
35) Methylcyclohexane	6.133	83	1821	0.103	ug/L #	85
37) 1,2-Dichloropropane	6.072	63	6382	0.663	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	1210	0.096	ug/L #	51
42) Toluene	7.394	91	14400	0.318	ug/L	95
47) Tetrachloroethene	7.976	164	24444	2.826	ug/L	93
49) Dibromochloromethane	7.976	129	22019	3.111	ug/L #	11
52) Ethylbenzene	9.017	91	7516	0.156	ug/L	90
53) m,p-Xylene	9.146	106	2183	0.119	ug/L	99
54) o-Xylene	9.551	106	967	0.054	ug/L	85
61) 1,2,3-Trichloropropane	10.377	75	272	0.060	ug/L #	35
62) 1,3,5-Trimethylbenzene	10.918	105	2686	0.142	ug/L	91
63) 1,2,4-Trimethylbenzene	10.918	105	2686	0.079	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Apr 19 05:06:28 2022
Response via : Initial Calibration

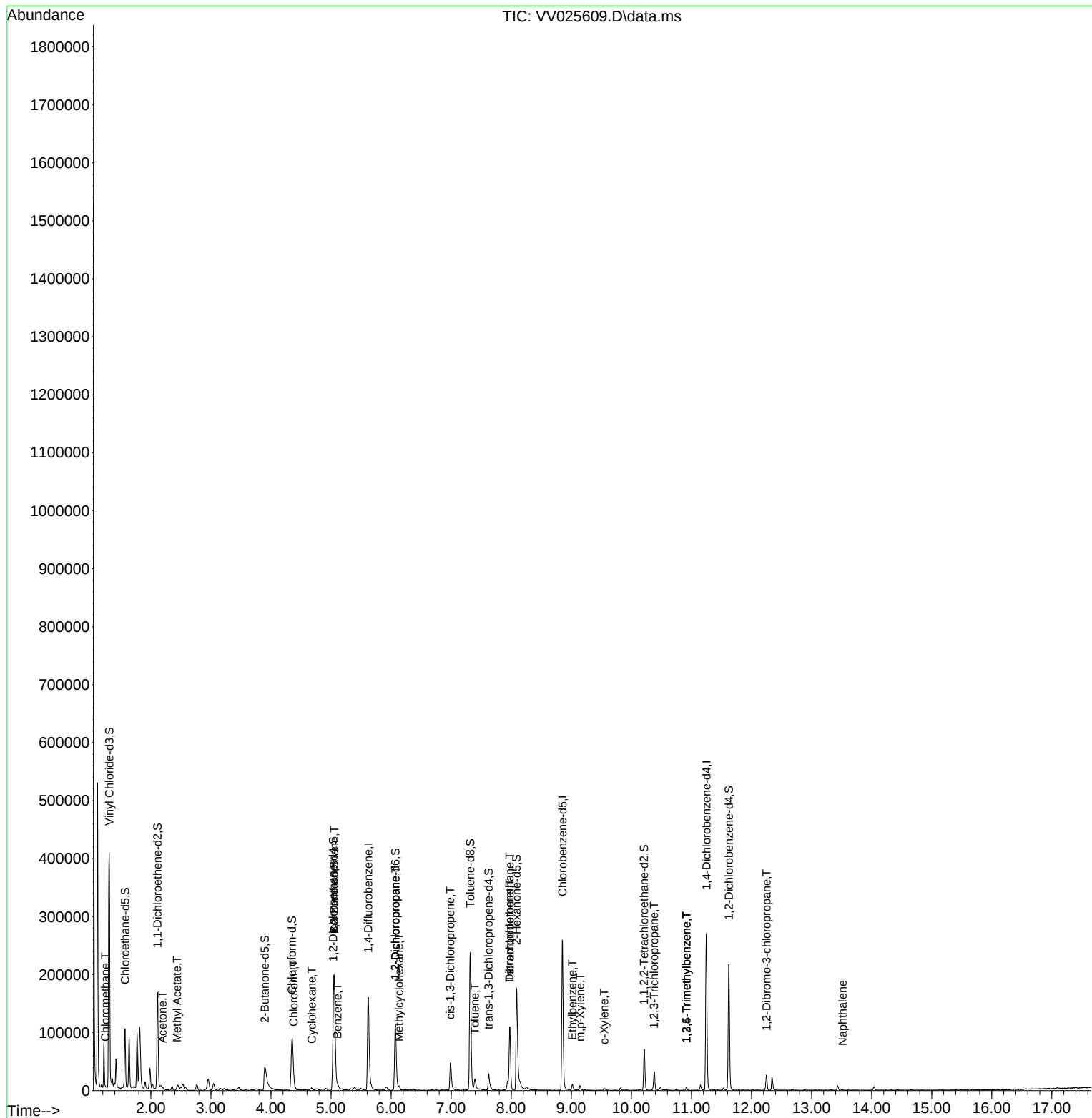
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.249	75	1043	1.333	ug/L #	15
71) Naphthalene	13.519	128	1234	0.072	ug/L #	82

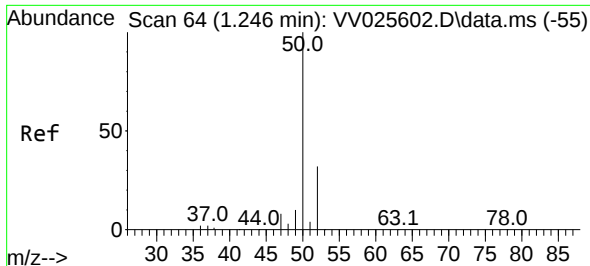
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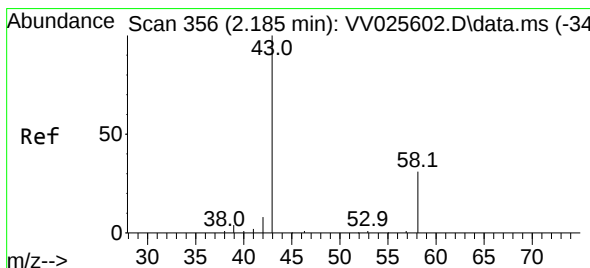
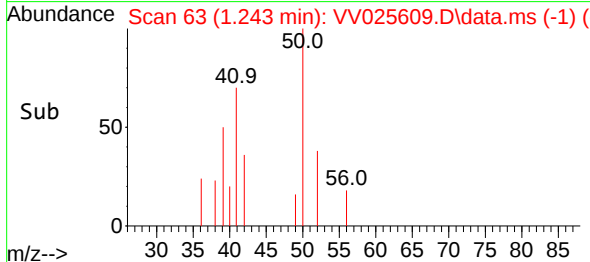
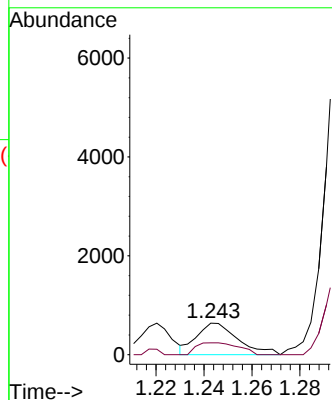
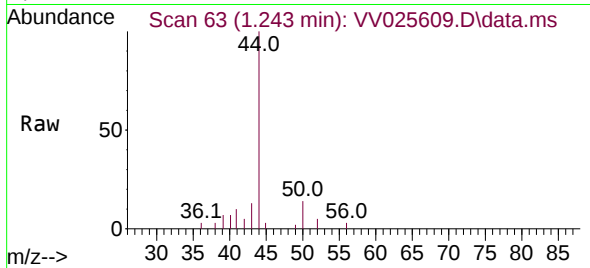




#3
Chloromethane
Concen: 0.055 ug/L
RT: 1.243 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

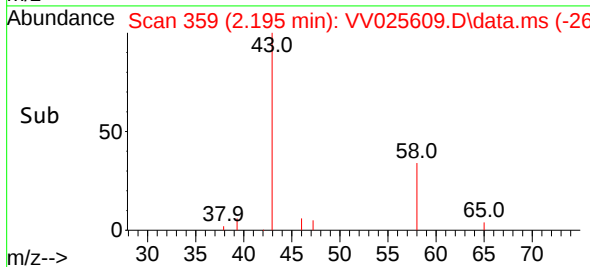
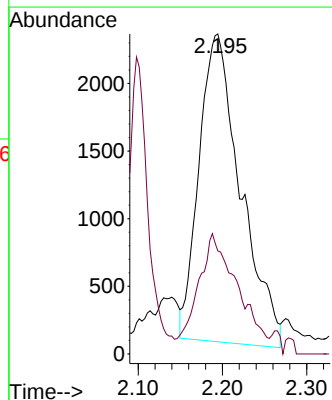
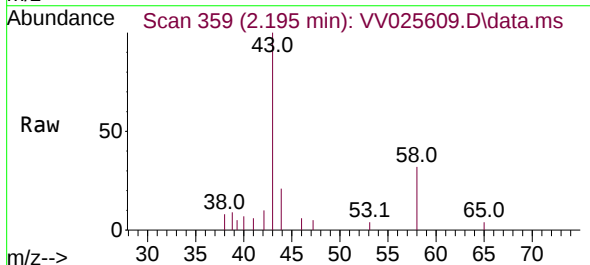
Instrument :
MSVOA_V
ClientSampleId :
EW6T1

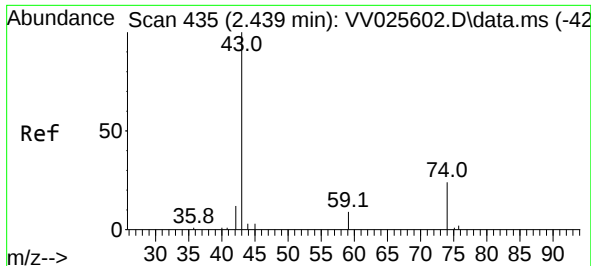
Tgt Ion: 50 Resp: 762
Ion Ratio Lower Upper
50 100
52 37.7 23.7 43.9



#13
Acetone
Concen: 7.163 ug/L
RT: 2.195 min Scan# 359
Delta R.T. 0.009 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

Tgt Ion: 43 Resp: 7809
Ion Ratio Lower Upper
43 100
58 38.1 0.0 72.2

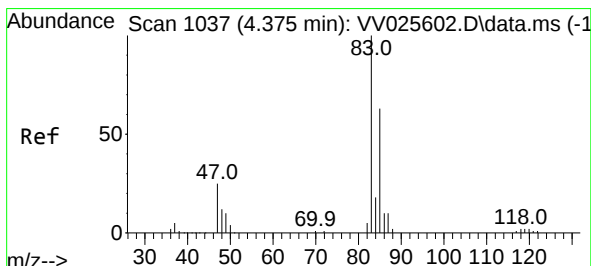
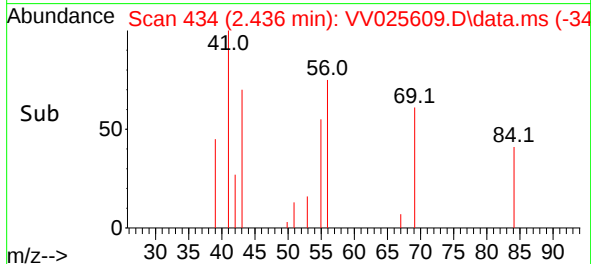
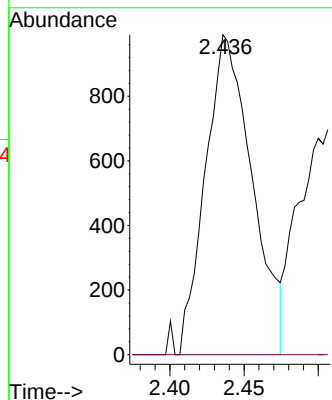
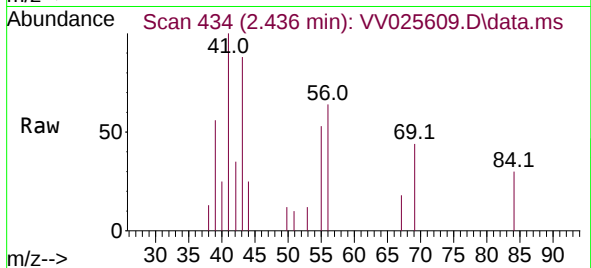




#15
Methyl Acetate
Concen: 0.896 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

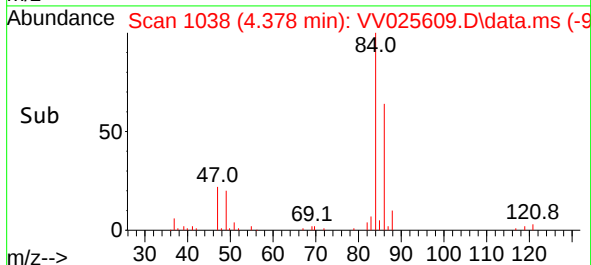
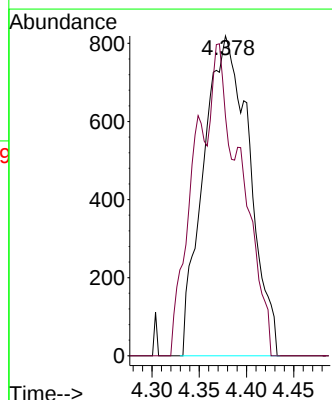
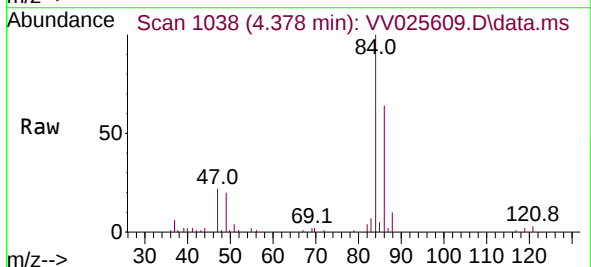
Instrument :
MSVOA_V
ClientSampleId :
EW6T1

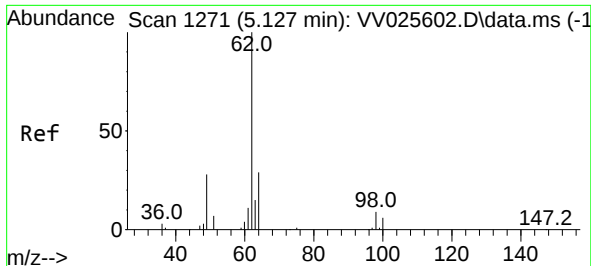
Tgt Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
74 0.0 25.2 37.8#



#25
Chloroform
Concen: 0.150 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

Tgt Ion: 83 Resp: 2767
Ion Ratio Lower Upper
83 100
85 74.8 43.5 80.7





#27

1,2-Dichloroethane

Concen: 0.097 ug/L

RT: 5.053 min Scan# 1128

Delta R.T. -0.074 min

Lab File: VV025609.D

Acq: 18 Apr 2022 15:49

Instrument :

MSVOA_V

ClientSampleId :

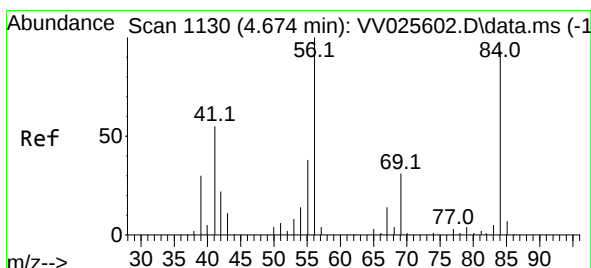
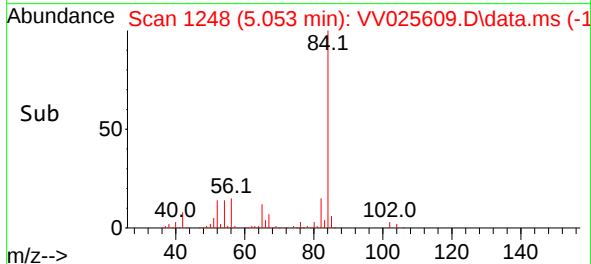
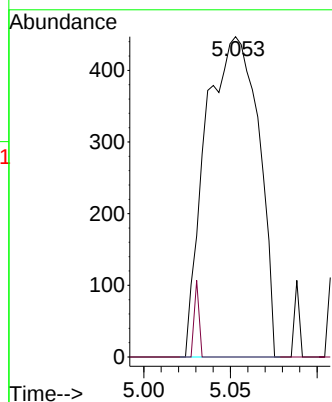
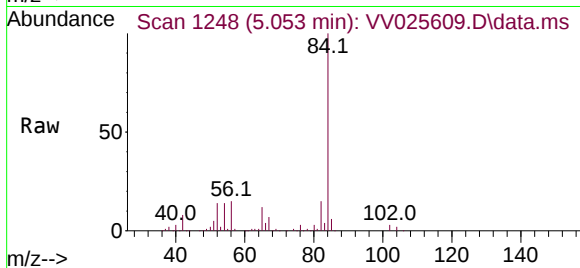
EW6T1

Tgt Ion: 62 Resp: 949

Ion Ratio Lower Upper

62 100

98 0.0 8.8 13.2#



#30

Cyclohexane

Concen: 0.085 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VV025609.D

Acq: 18 Apr 2022 15:49

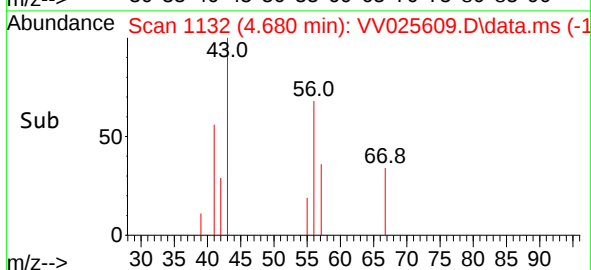
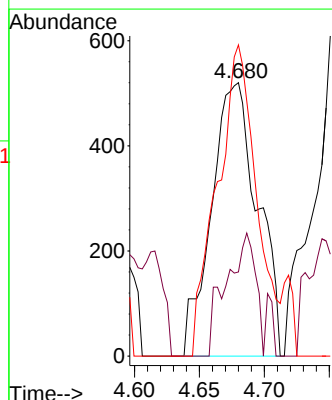
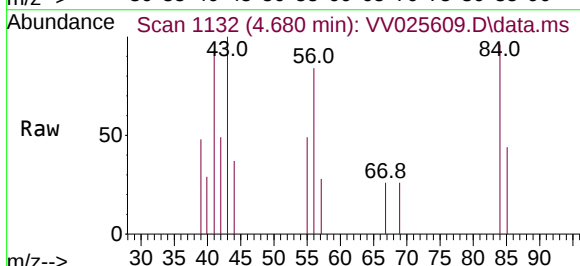
Tgt Ion: 56 Resp: 1286

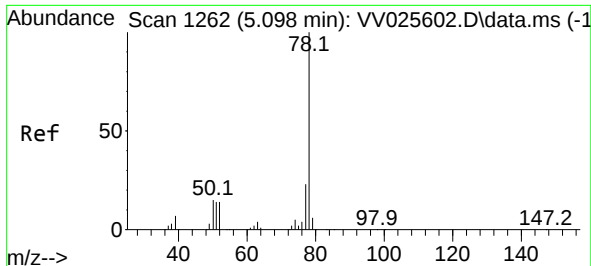
Ion Ratio Lower Upper

56 100

69 28.7 26.1 39.1

84 97.4 78.6 118.0

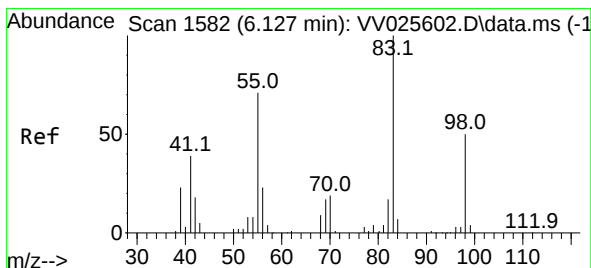
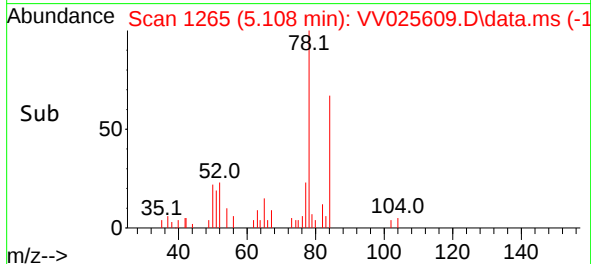
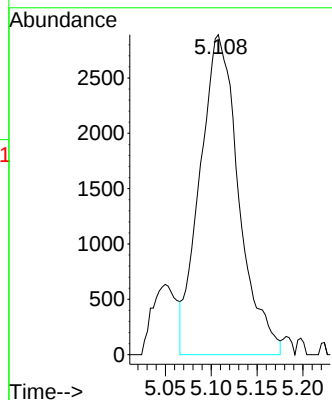
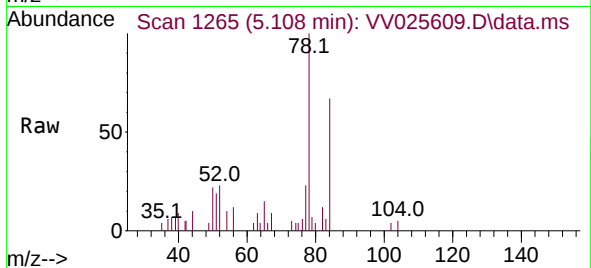




#33
Benzene
Concen: 0.205 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

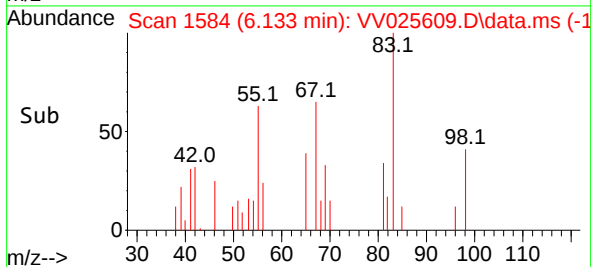
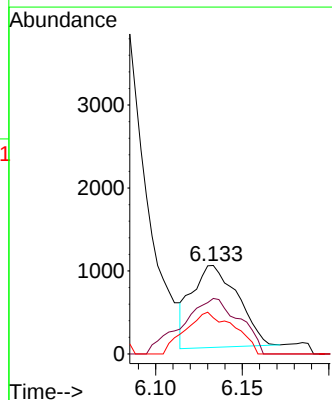
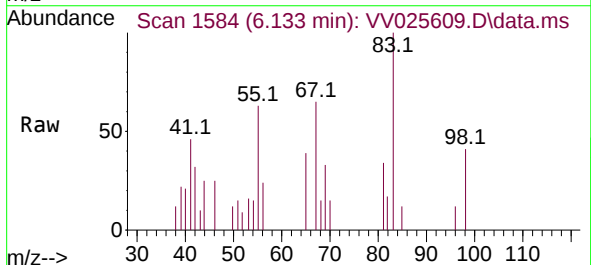
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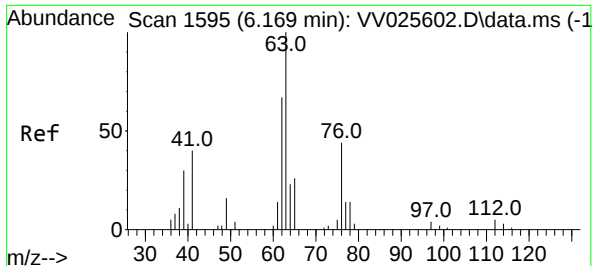
Tgt Ion: 78 Resp: 8519



#35
Methylcyclohexane
Concen: 0.103 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.006 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

Tgt Ion: 83 Resp: 1821
Ion Ratio Lower Upper
83 100
55 84.2 53.7 80.5#
98 54.1 39.6 59.4





#37

1,2-Dichloropropane

Concen: 0.663 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.097 min

Lab File: VV025609.D

Acq: 18 Apr 2022 15:49

Instrument :

MSVOA_V

ClientSampleId :

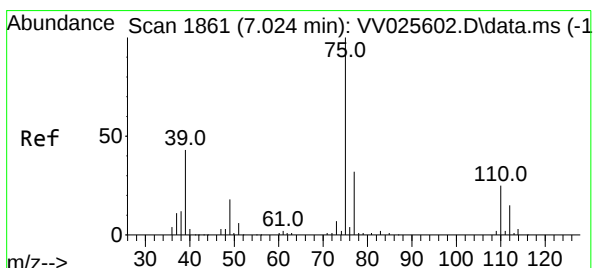
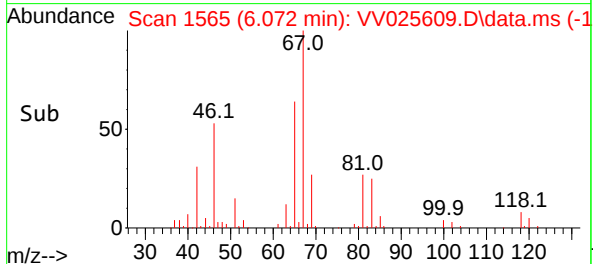
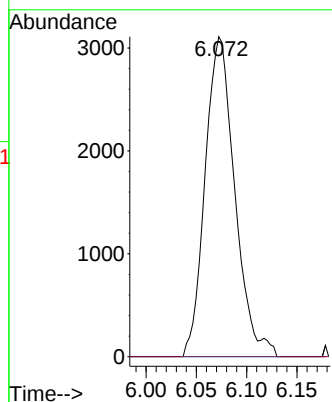
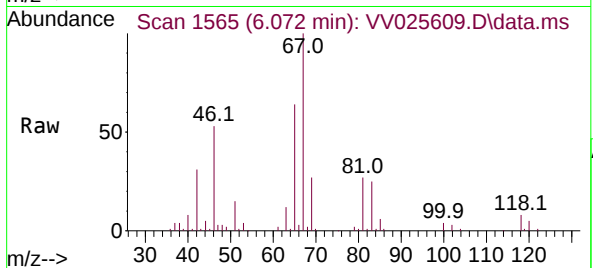
EW6T1

Tgt Ion: 63 Resp: 6382

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.039 min

Lab File: VV025609.D

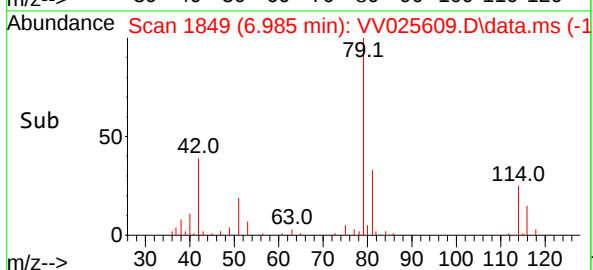
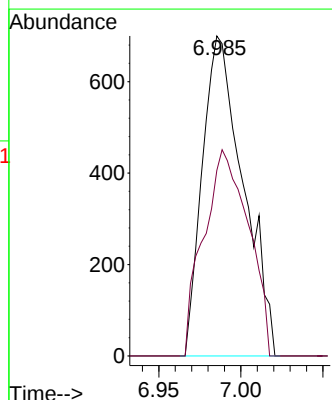
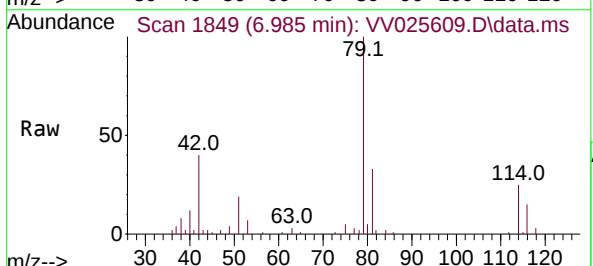
Acq: 18 Apr 2022 15:49

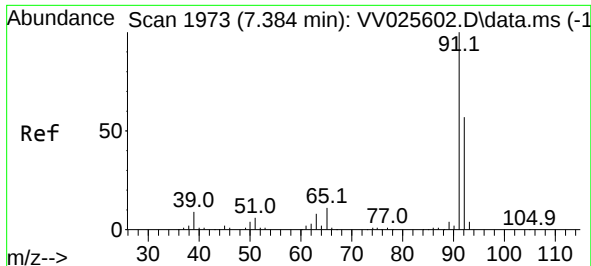
Tgt Ion: 75 Resp: 1210

Ion Ratio Lower Upper

75 100

77 58.0 21.8 40.6#





#42

Toluene

Concen: 0.318 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.009 min

Lab File: VV025609.D

Acq: 18 Apr 2022 15:49

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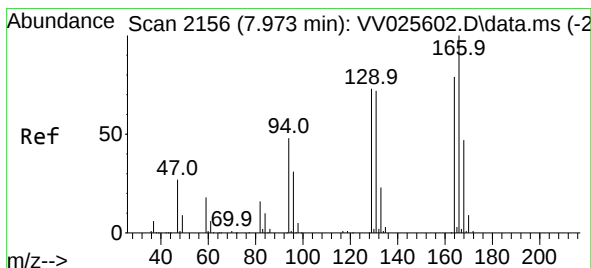
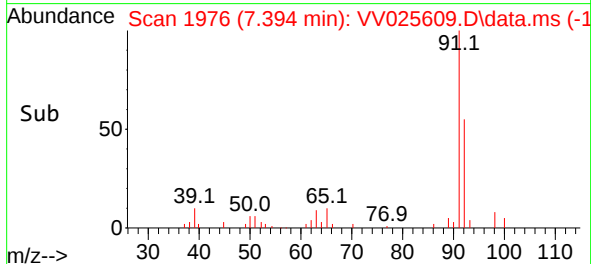
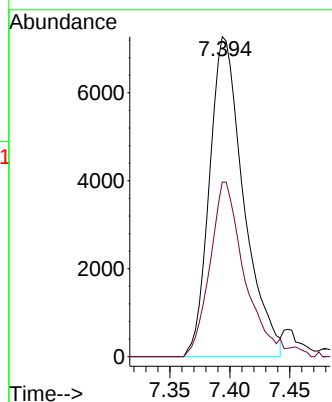
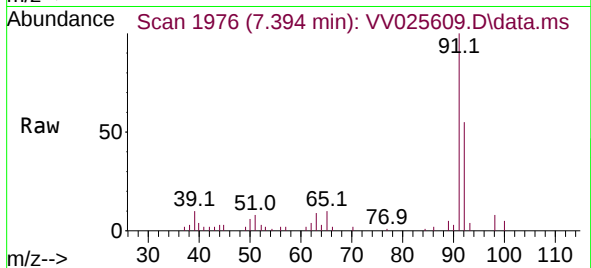
EW6T1

Tgt Ion: 91 Resp: 14400

Ion Ratio Lower Upper

91 100

92 54.6 40.8 75.8



#47

Tetrachloroethene

Concen: 2.826 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025609.D

Acq: 18 Apr 2022 15:49

Tgt Ion: 164 Resp: 24444

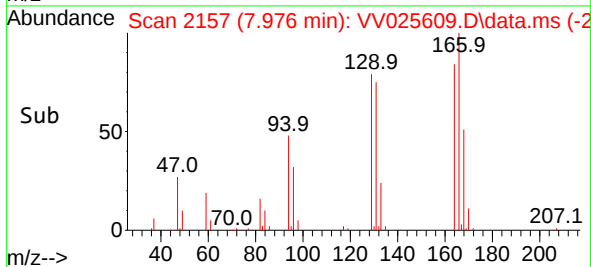
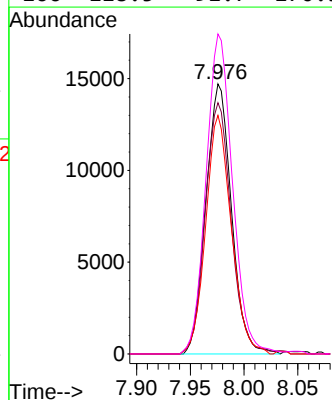
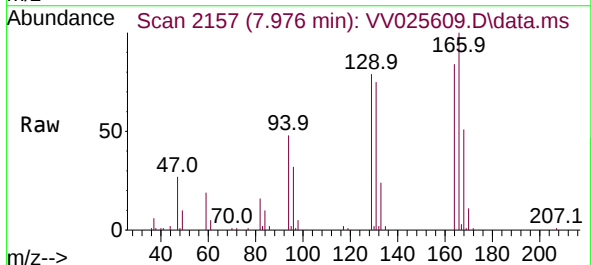
Ion Ratio Lower Upper

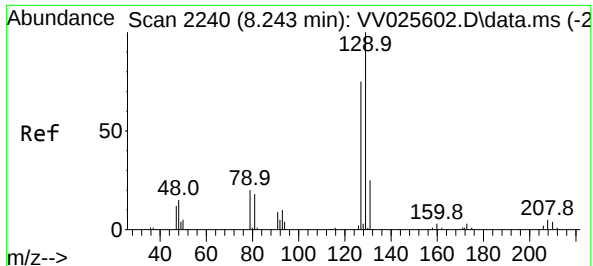
164 100

129 93.0 66.8 124.2

131 88.3 66.4 123.4

166 118.5 91.7 170.3





#49

Dibromochloromethane

Concen: 3.111 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025609.D

Acq: 18 Apr 2022 15:49

Instrument :

MSVOA_V

ClientSampleId :

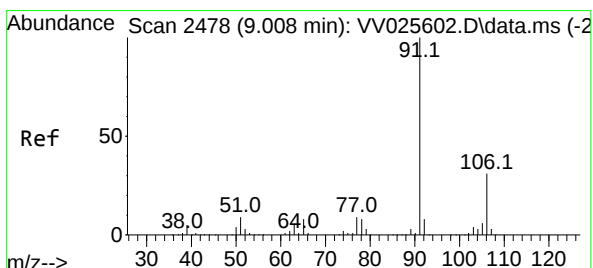
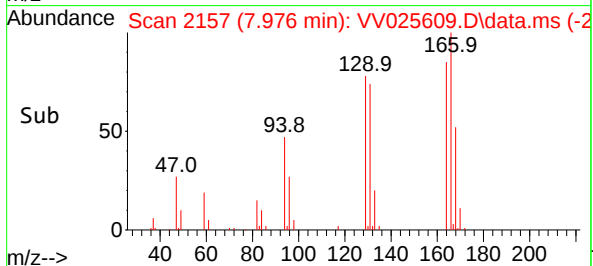
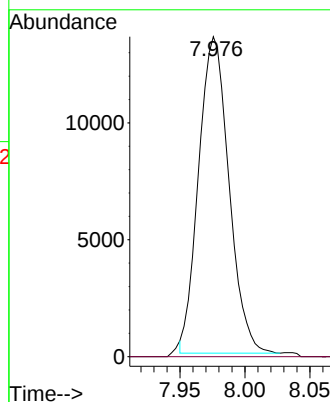
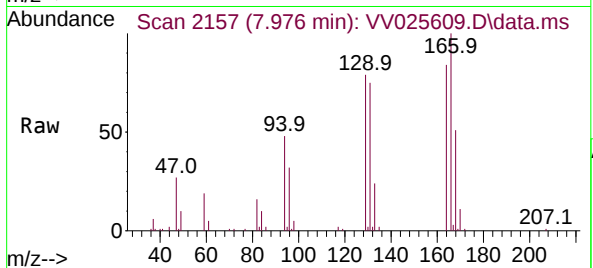
EW6T1

Tgt Ion:129 Resp: 22019

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#52

Ethylbenzene

Concen: 0.156 ug/L

RT: 9.017 min Scan# 2481

Delta R.T. 0.009 min

Lab File: VV025609.D

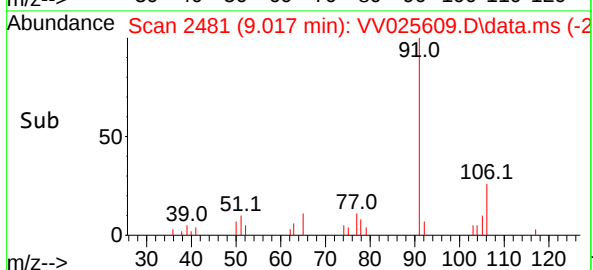
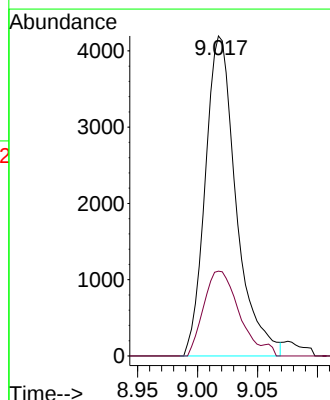
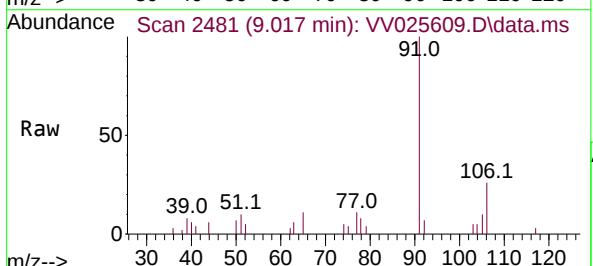
Acq: 18 Apr 2022 15:49

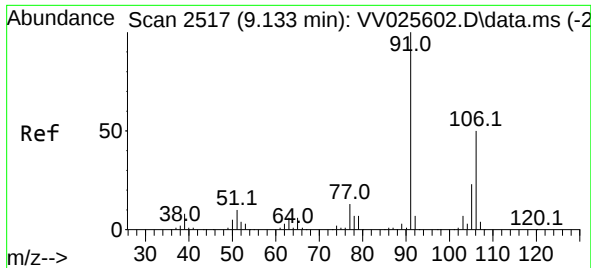
Tgt Ion: 91 Resp: 7516

Ion Ratio Lower Upper

91 100

106 26.5 22.3 41.3

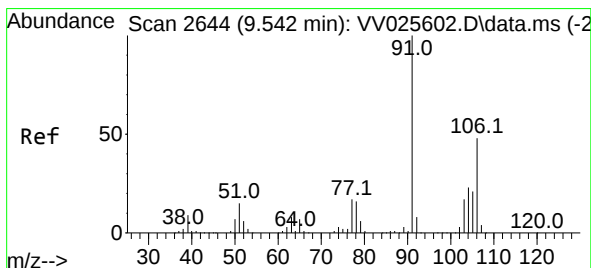
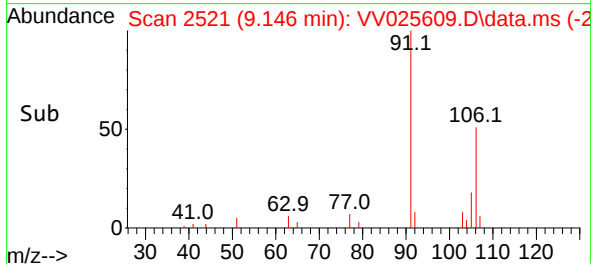
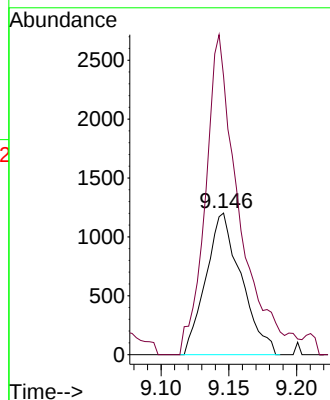
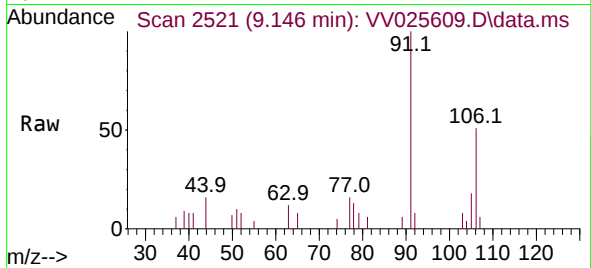




#53
m,p-Xylene
Concen: 0.119 ug/L
RT: 9.146 min Scan# 2517
Delta R.T. 0.013 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

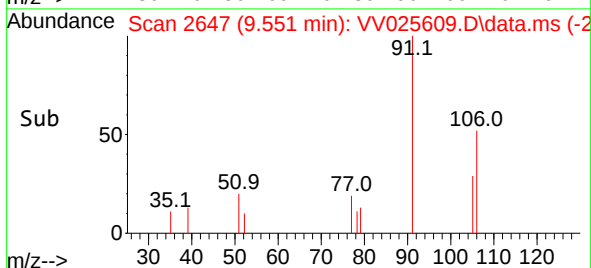
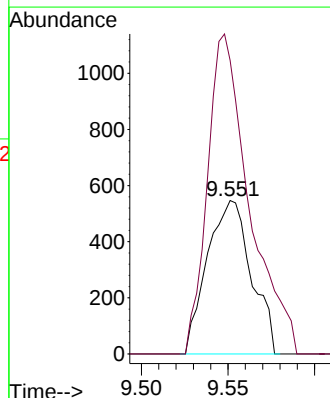
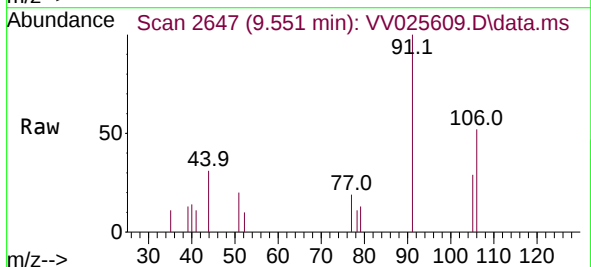
Instrument :
MSVOA_V
ClientSampleId :
EW6T1

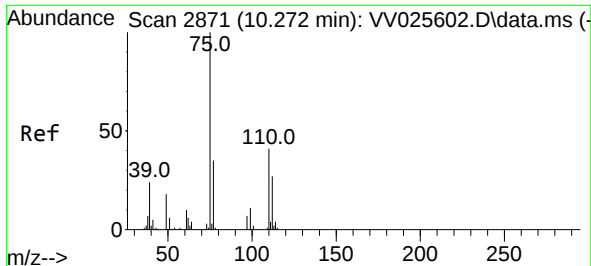
Tgt Ion:106 Resp: 2183
Ion Ratio Lower Upper
106 100
91 196.7 136.4 253.4



#54
o-Xylene
Concen: 0.054 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.009 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

Tgt Ion:106 Resp: 967
Ion Ratio Lower Upper
106 100
91 191.2 150.4 279.2

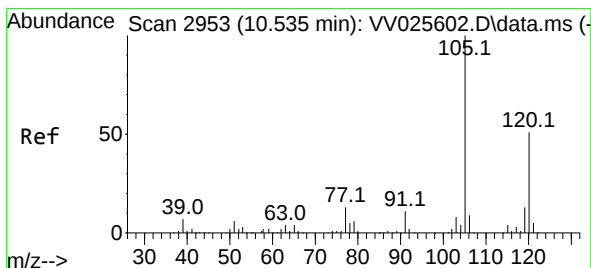
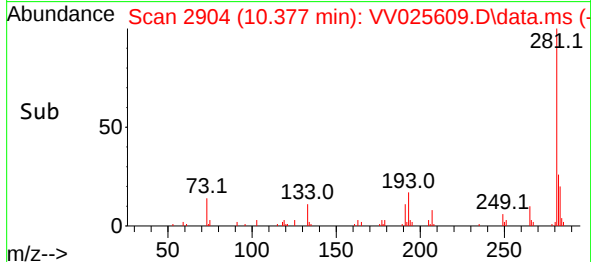
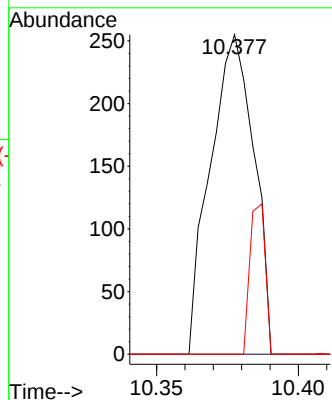
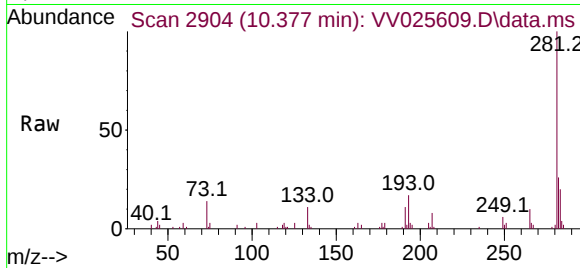




#61
1,2,3-Trichloropropane
Concen: 0.060 ug/L
RT: 10.377 min Scan# 2904
Delta R.T. 0.106 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

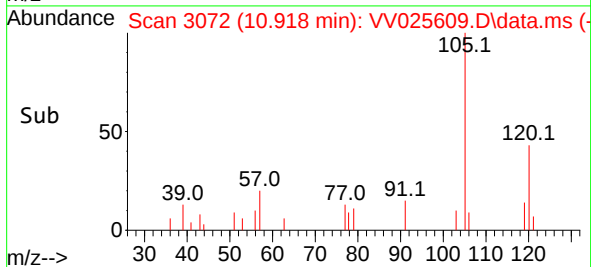
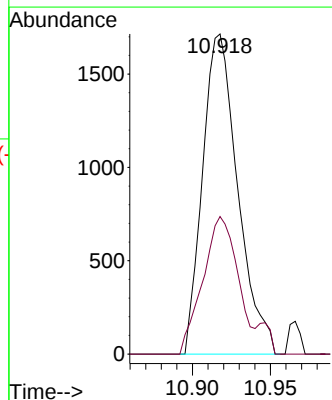
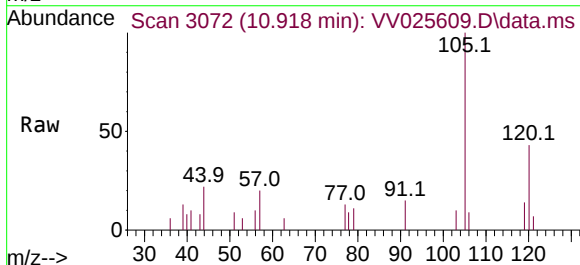
Instrument :
MSVOA_V
ClientSampleId :
EW6T1

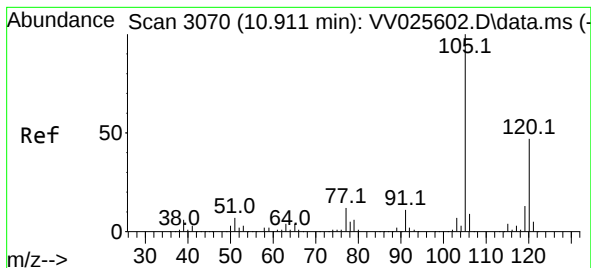
Tgt Ion: 75 Resp: 272
Ion Ratio Lower Upper
75 100
77 85.3 25.6 38.4#
110 16.5 34.7 52.1#



#62
1,3,5-Trimethylbenzene
Concen: 0.142 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.382 min
Lab File: VV025609.D
Acq: 18 Apr 2022 15:49

Tgt Ion: 105 Resp: 2686
Ion Ratio Lower Upper
105 100
120 43.1 39.6 59.4





#63

1,2,4-Trimethylbenzene

Concen: 0.079 ug/L

RT: 10.918 min Scan# 3070

Delta R.T. 0.006 min

Lab File: VV025609.D

Acq: 18 Apr 2022 15:49

Instrument :

MSVOA_V

ClientSampleId :

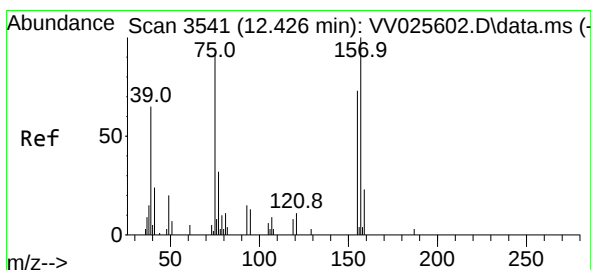
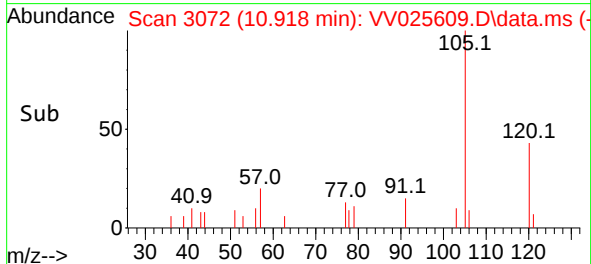
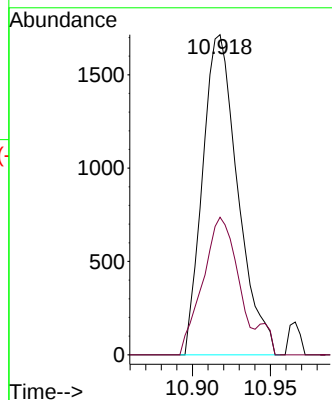
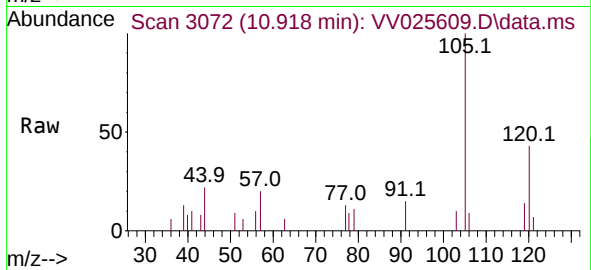
EW6T1

Tgt Ion:105 Resp: 2686

Ion Ratio Lower Upper

105 100

120 43.1 36.6 55.0



#68

1,2-Dibromo-3-chloropropane

Concen: 1.333 ug/L

RT: 12.249 min Scan# 3486

Delta R.T. -0.177 min

Lab File: VV025609.D

Acq: 18 Apr 2022 15:49

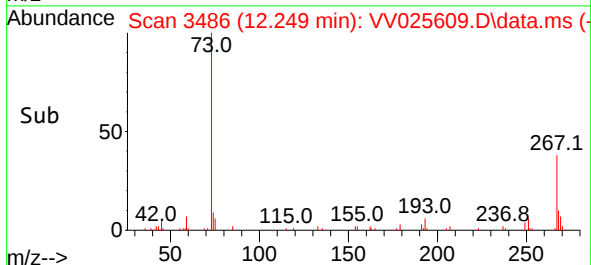
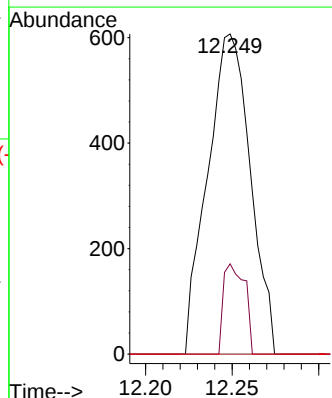
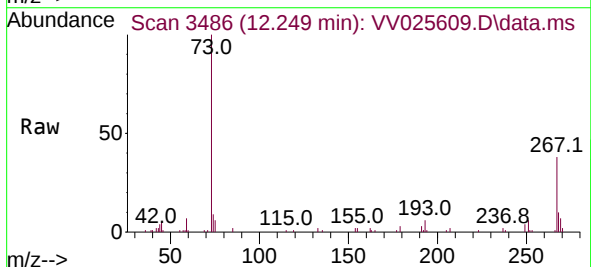
Tgt Ion: 75 Resp: 1043

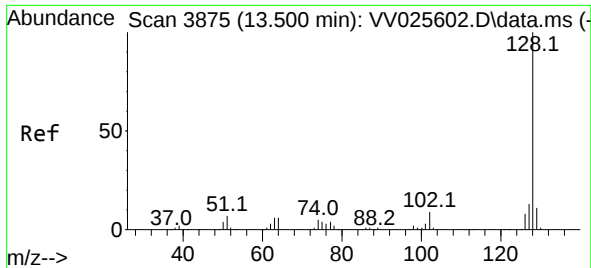
Ion Ratio Lower Upper

75 100

155 28.2 65.8 98.8#

157 0.0 86.6 130.0#





#71

Naphthalene

Concen: 0.072 ug/L

RT: 13.519 min Scan# 3881

Delta R.T. 0.019 min

Lab File: VV025609.D

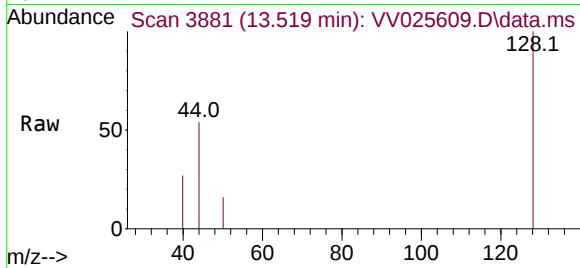
Acq: 18 Apr 2022 15:49

Instrument :

MSVOA_V

ClientSampleId :

EW6T1



Tgt Ion:128 Resp: 1234

Ion Ratio Lower Upper

128 100

129 3.6 8.8 13.2#

127 6.6 10.4 15.6#

