

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032522\
 Data File : VW025178.D
 Acq On : 25 Mar 2022 14:55
 Operator : SY/MD
 Sample : N2083-07DL 10X
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW607DL

Quant Time: Mar 25 23:22:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 25 23:19:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	123090	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	114996	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50094	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39252	4.039	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.568	69	38012	5.342	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.800%
11) 1,1-Dichloroethene-d2	2.108	63	51127	3.255	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.200%
20) 2-Butanone-d5	3.902	46	103983	88.539	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	177.080%#
24) Chloroform-d	4.352	84	93518	5.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.000%
26) 1,2-Dichloroethane-d4	5.037	65	42566	6.317	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.400%
32) Benzene-d6	5.053	84	182243	5.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.200%
36) 1,2-Dichloropropane-d6	6.072	67	59495	6.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	124.000%
41) Toluene-d8	7.317	98	137271	4.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	7.628	79	16359	4.892	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%
46) 2-Hexanone-d5	8.088	63	82399	72.239	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	144.480%#
56) 1,1,2,2-Tetrachloroeth...	10.214	84	41550	7.363	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	147.200%#
66) 1,2-Dichlorobenzene-d4	11.622	152	51940	6.125	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	431	0.042	ug/L	83
5) Vinyl chloride	1.310	62	1883	0.174	ug/L #	57
8) Chloroethane	1.587	64	45101	6.873	ug/L	98
16) Methylene chloride	2.510	84	8979	0.945	ug/L	95
17) Methyl tert-butyl Ether	2.764	73	714	0.042	ug/L #	76
18) trans-1,2-Dichloroethene	2.767	96	721	0.076	ug/L #	89
19) 1,1-Dichloroethane	3.195	63	53434	3.327	ug/L	98
22) cis-1,2-Dichloroethene	3.924	96	3459	0.363	ug/L	89
25) Chloroform	4.371	83	1280	0.077	ug/L #	74
29) 1,1,1-Trichloroethane	4.609	97	25942	1.769	ug/L	99
31) Carbon tetrachloride	4.613	117	3266	0.260	ug/L	94
34) Trichloroethene	5.918	95	9792	0.983	ug/L	95
35) Methylcyclohexane	6.072	83	15343	0.973	ug/L #	23
37) 1,2-Dichloropropane	6.069	63	5867	0.683	ug/L #	86
39) cis-1,3-Dichloropropene	6.992	75	1006	0.084	ug/L #	41
47) Tetrachloroethene	7.976	164	3898	0.556	ug/L	95
49) Dibromochloromethane	7.979	129	4051	0.630	ug/L #	10
52) Ethylbenzene	9.021	91	2427	0.059	ug/L	91
60) Isopropylbenzene	9.934	105	8432	0.223	ug/L	96

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QLast Update : Fri Mar 25 23:19:44 2022
Response via : Initial Calibration

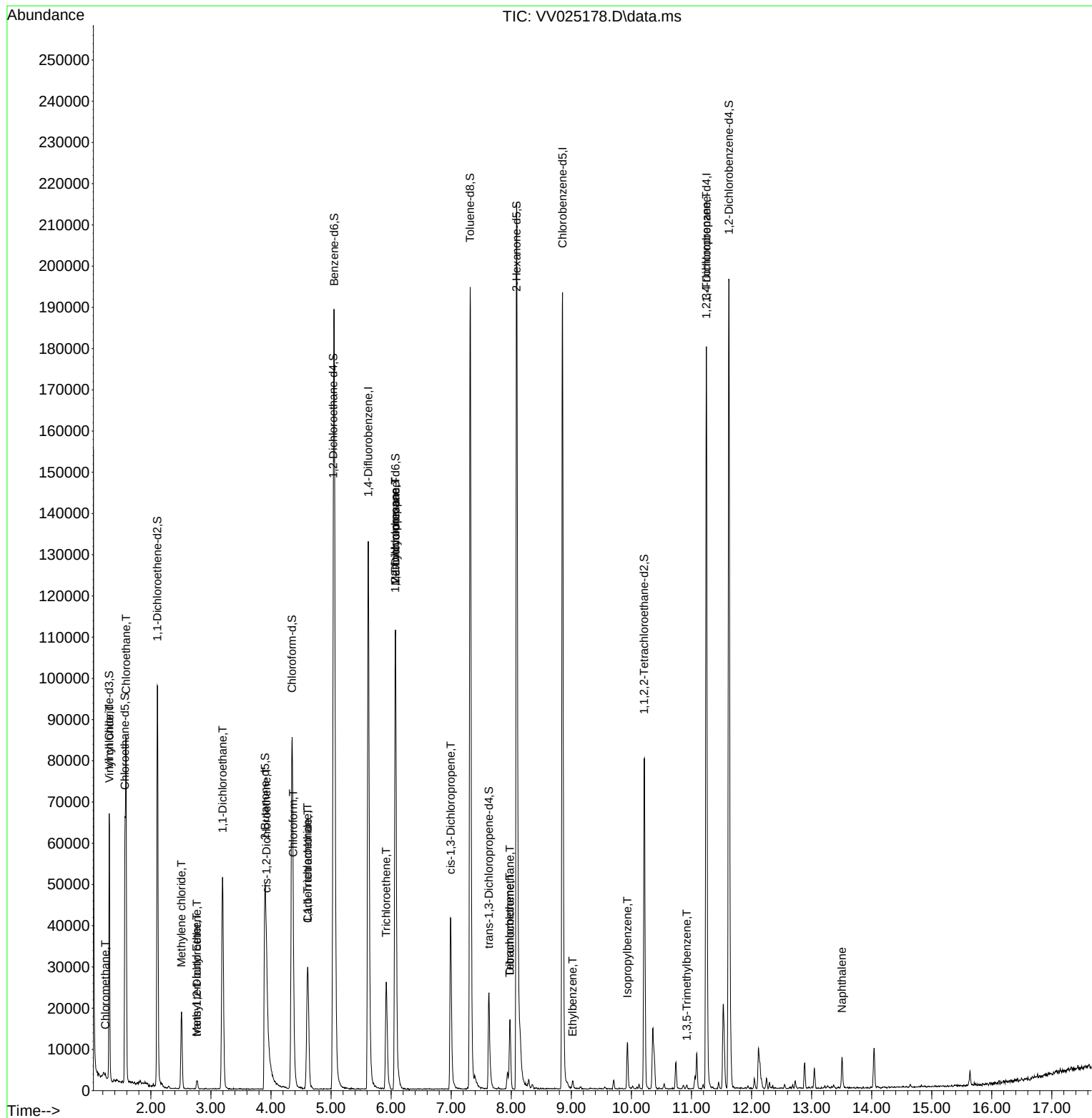
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.246	75	5810	1.379	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.924	105	622	0.036	ug/L	91
71) Naphthalene	13.506	128	6737	0.450	ug/L	99

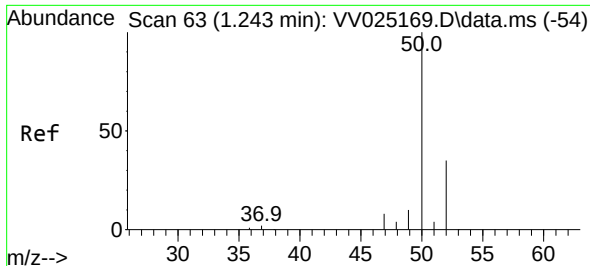
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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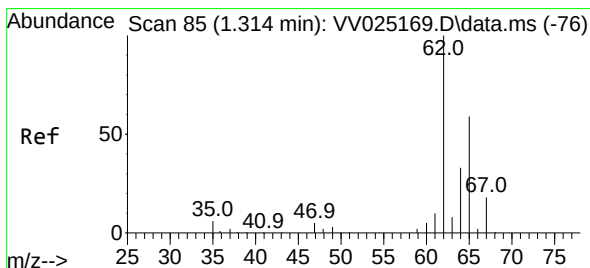
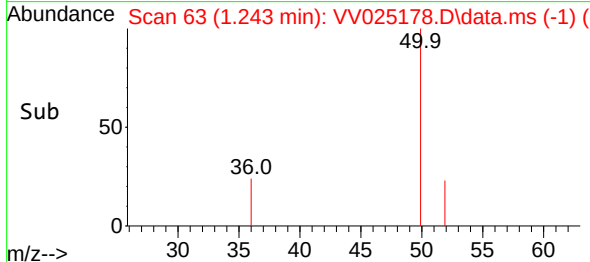
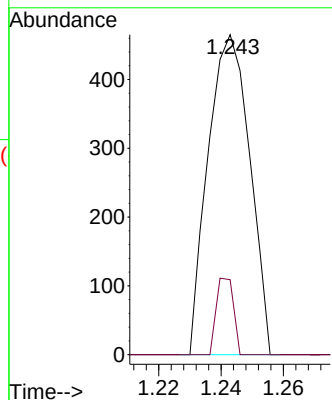
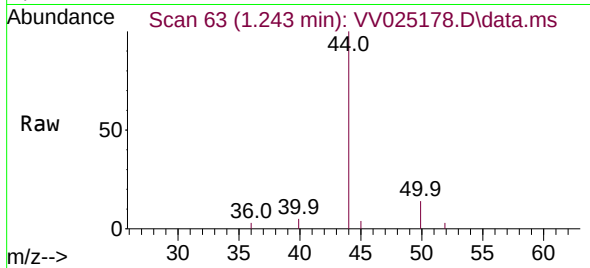




#3
Chloromethane
Concen: 0.042 ug/L
RT: 1.243 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

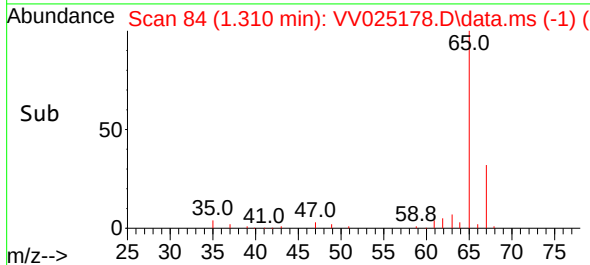
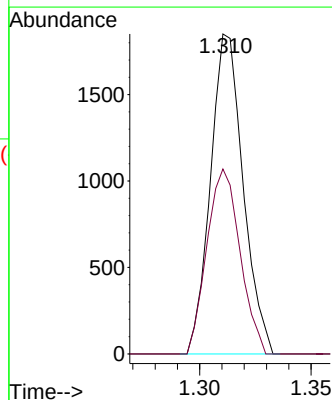
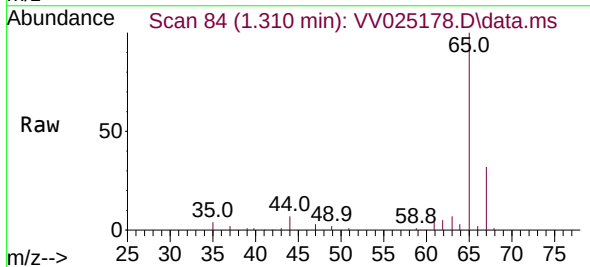
Instrument :
MSVOA_V
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EW607DL

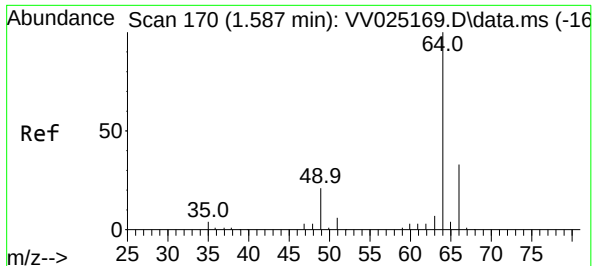
Tgt Ion: 50 Resp: 431
Ion Ratio Lower Upper
50 100
52 23.4 23.2 43.2



#5
Vinyl chloride
Concen: 0.174 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.003 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

Tgt Ion: 62 Resp: 1883
Ion Ratio Lower Upper
62 100
64 57.8 23.4 43.4#

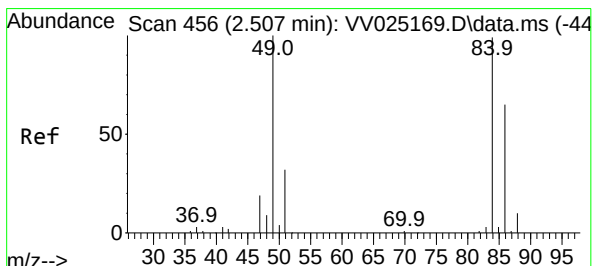
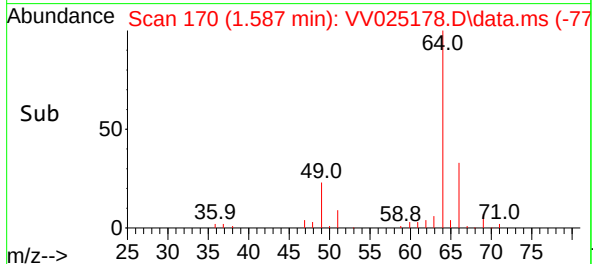
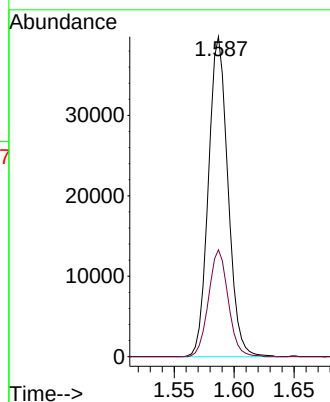
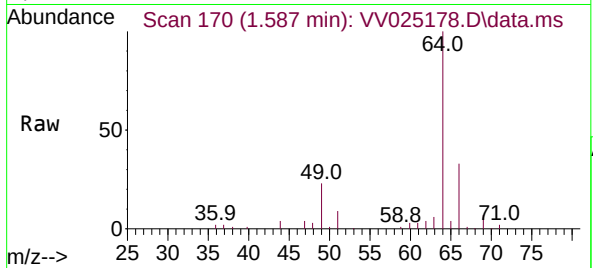




#8
Chloroethane
Concen: 6.873 ug/L
RT: 1.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

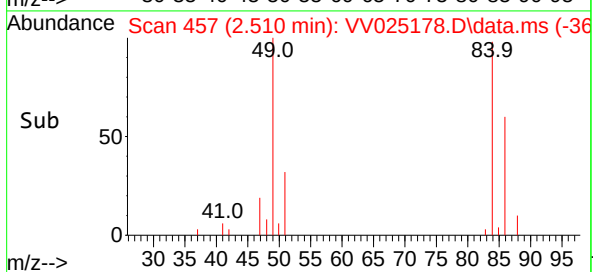
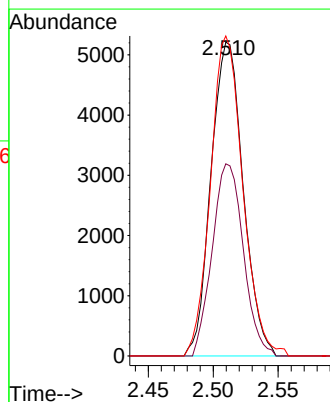
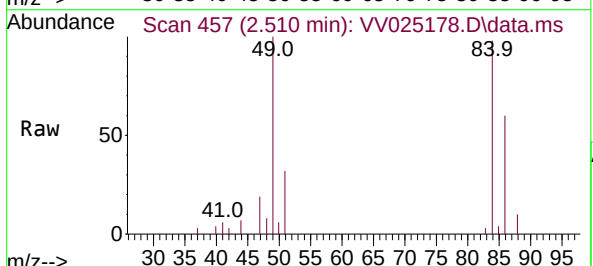
Instrument :
MSVOA_V
ClientSampleId :
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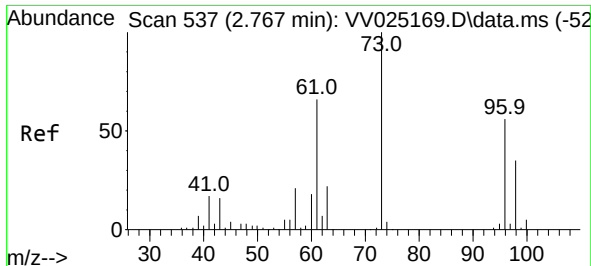
Tgt Ion: 64 Resp: 45101
Ion Ratio Lower Upper
64 100
66 33.4 22.5 41.7



#16
Methylene chloride
Concen: 0.945 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

Tgt Ion: 84 Resp: 8979
Ion Ratio Lower Upper
84 100
86 61.3 45.5 84.5
49 102.0 75.0 139.2

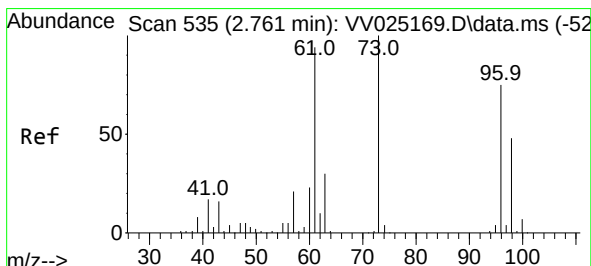
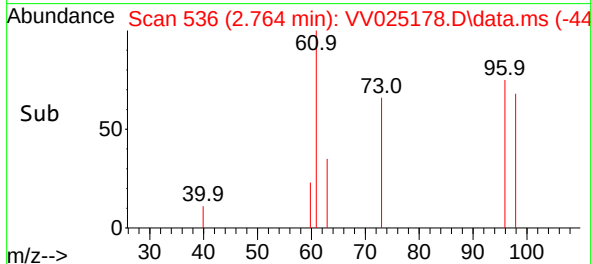
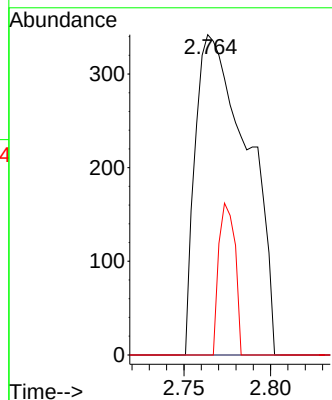
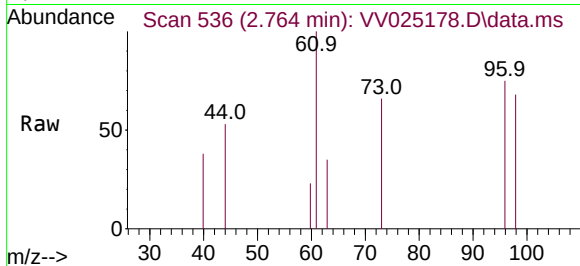




#17
Methyl tert-butyl Ether
Concen: 0.042 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV025178.D
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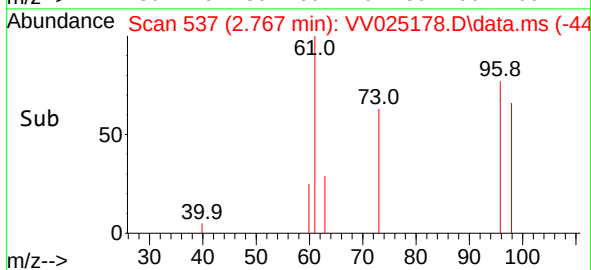
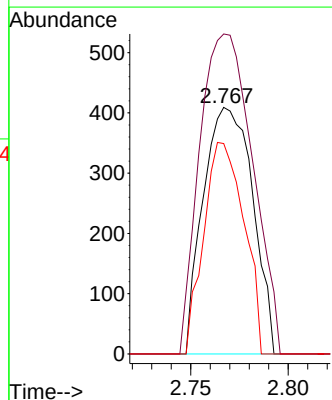
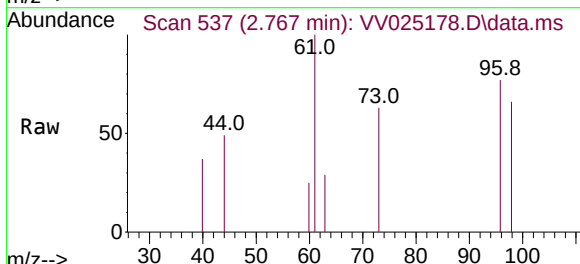
Instrument :
MSVOA_V
ClientSampleId :
EW607DL

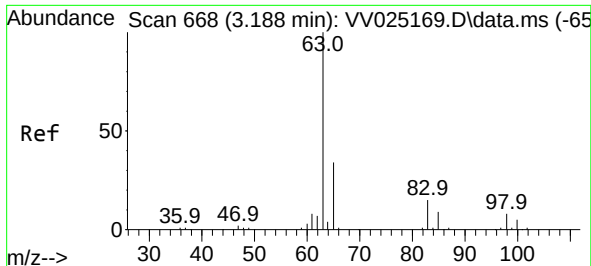
Tgt Ion: 73 Resp: 714
Ion Ratio Lower Upper
73 100
43 0.0 13.2 19.8#
57 14.8 16.7 25.1#



#18
trans-1,2-Dichloroethene
Concen: 0.076 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

Tgt Ion: 96 Resp: 721
Ion Ratio Lower Upper
96 100
61 129.8 89.2 165.6
98 85.3 43.9 81.5#





#19

1,1-Dichloroethane

Concen: 3.327 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV025178.D

Acq: 25 Mar 2022 14:55

Instrument :

MSVOA_V

ClientSampleId :

EW607DL

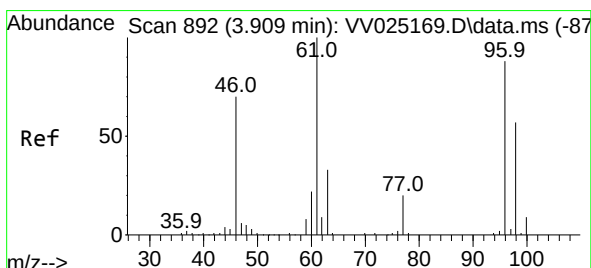
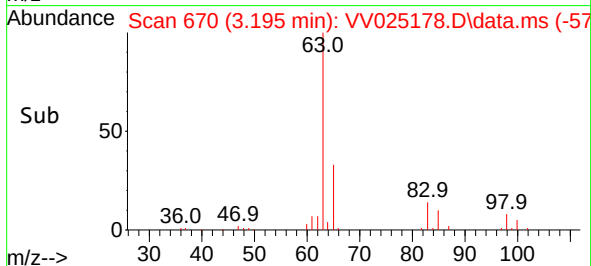
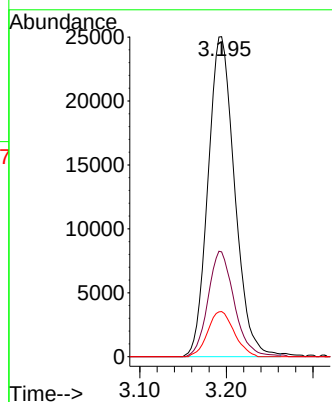
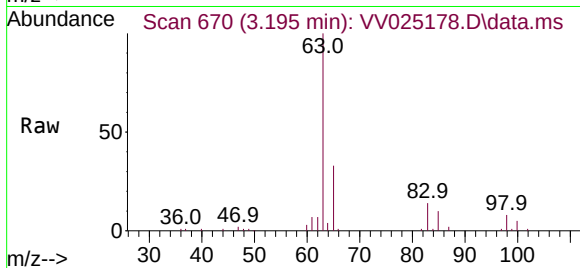
Tgt Ion: 63 Resp: 53434

Ion Ratio Lower Upper

63 100

65 32.8 22.2 41.2

83 14.1 9.4 17.4



#22

cis-1,2-Dichloroethene

Concen: 0.363 ug/L

RT: 3.924 min Scan# 897

Delta R.T. 0.016 min

Lab File: VV025178.D

Acq: 25 Mar 2022 14:55

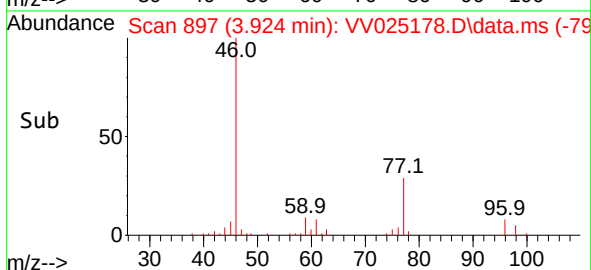
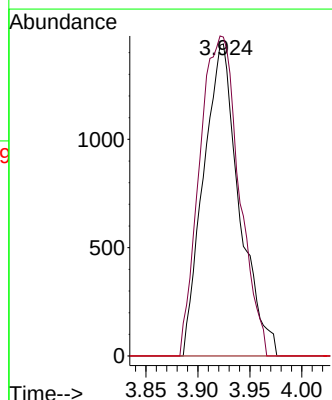
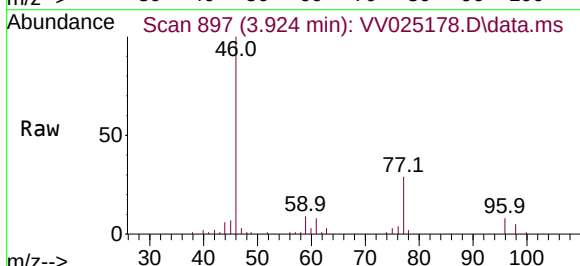
Tgt Ion: 96 Resp: 3459

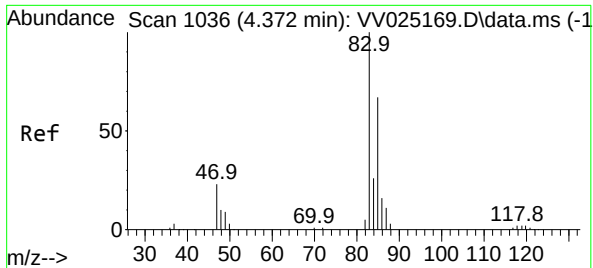
Ion Ratio Lower Upper

96 100

61 102.2 79.7 147.9

68 0.0 0.0 0.0

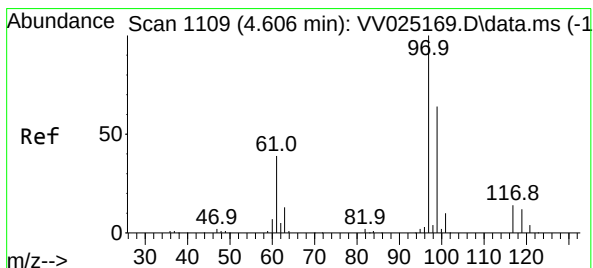
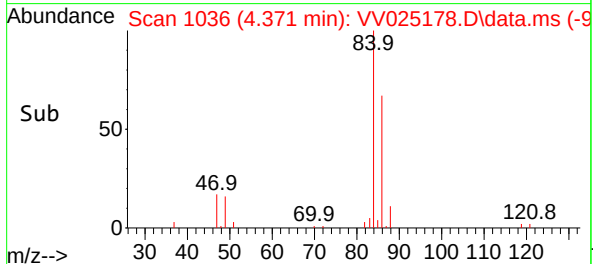
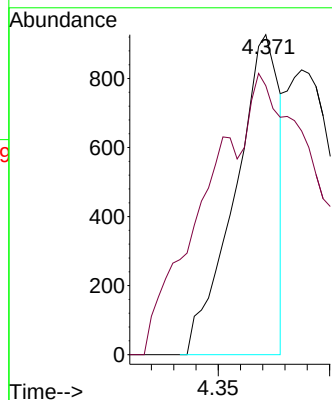
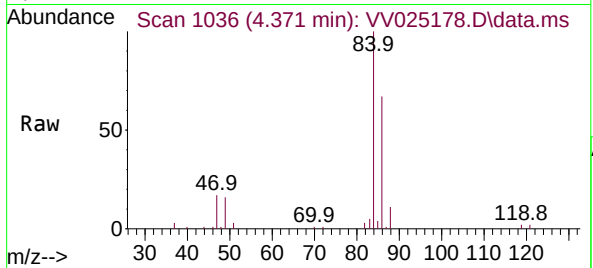




#25
Chloroform
Concen: 0.077 ug/L
RT: 4.371 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

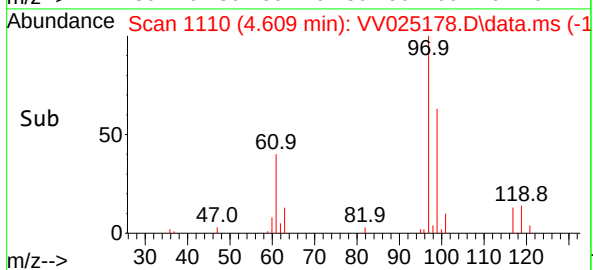
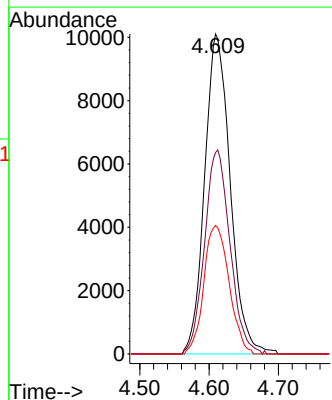
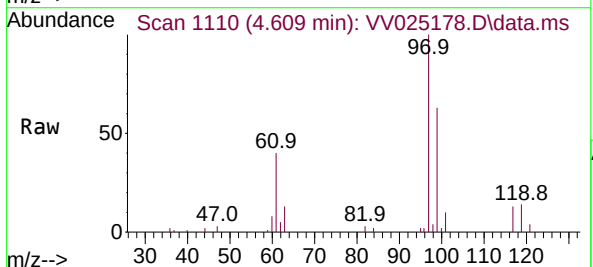
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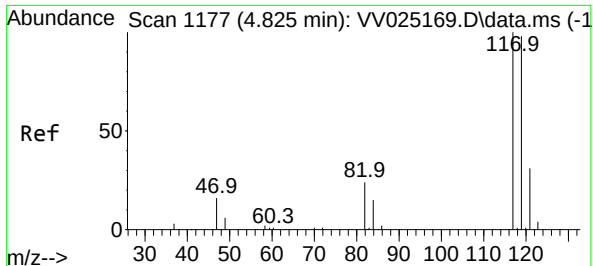
Tgt Ion: 83 Resp: 1280
Ion Ratio Lower Upper
83 100
85 84.0 44.5 82.7#



#29
1,1,1-Trichloroethane
Concen: 1.769 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV025178.D
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Tgt Ion: 97 Resp: 25942
Ion Ratio Lower Upper
97 100
99 63.5 50.7 76.1
61 39.6 32.4 48.6

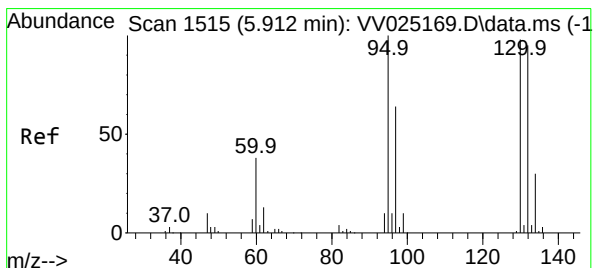
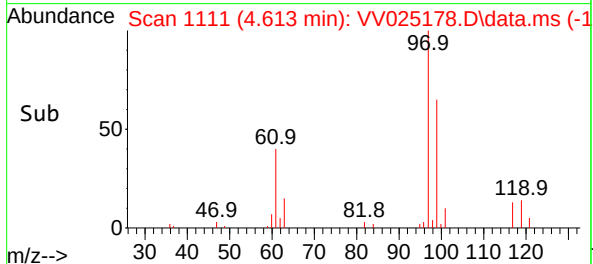
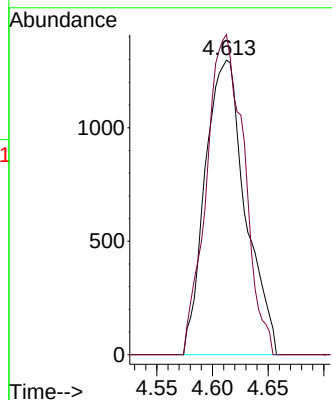
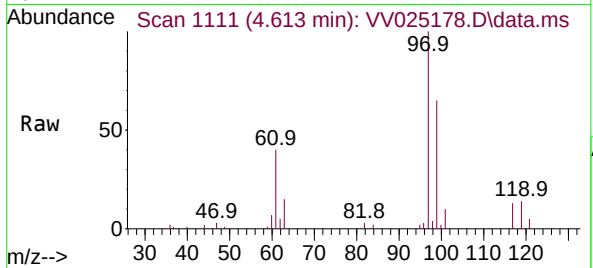




#31
Carbon tetrachloride
Concen: 0.260 ug/L
RT: 4.613 min Scan# 1177
Delta R.T. -0.212 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

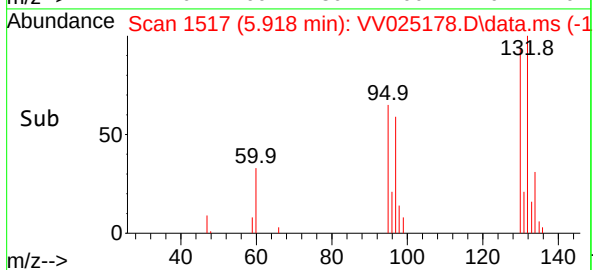
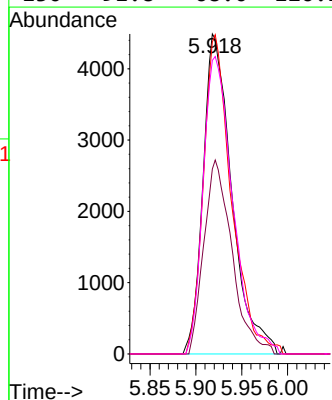
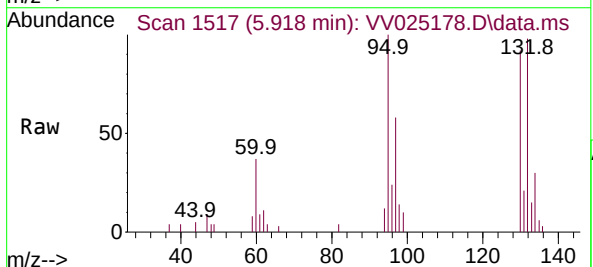
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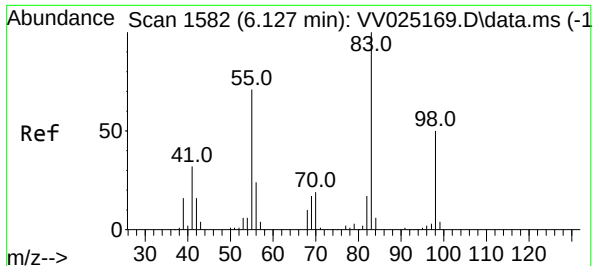
Tgt Ion:117 Resp: 3266
Ion Ratio Lower Upper
117 100
119 101.7 76.8 115.2



#34
Trichloroethene
Concen: 0.983 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

Tgt Ion: 95 Resp: 9792
Ion Ratio Lower Upper
95 100
97 57.8 44.5 82.7
132 97.5 66.5 123.5
130 91.8 68.0 126.2

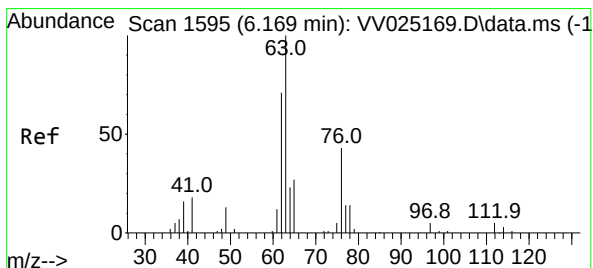
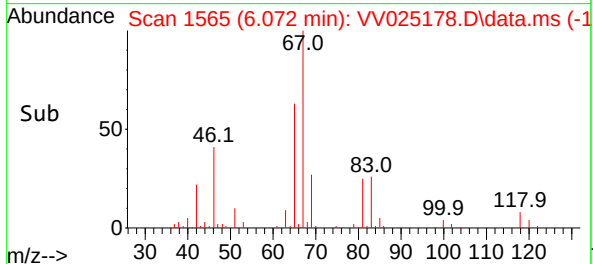
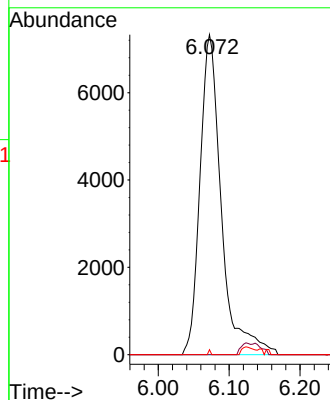
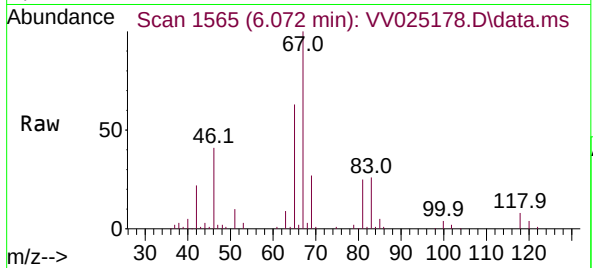




#35
Methylcyclohexane
Concen: 0.973 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

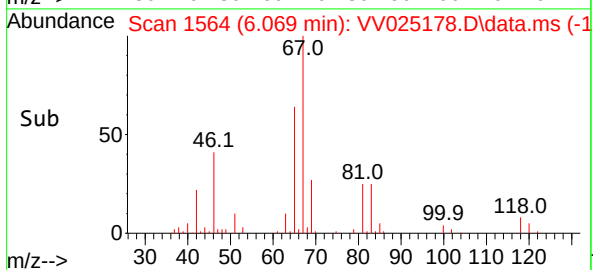
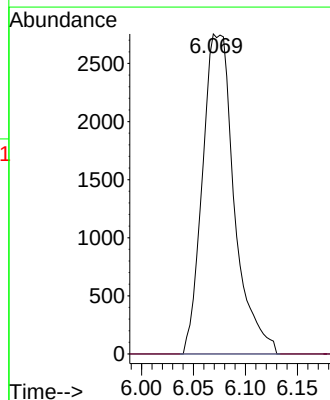
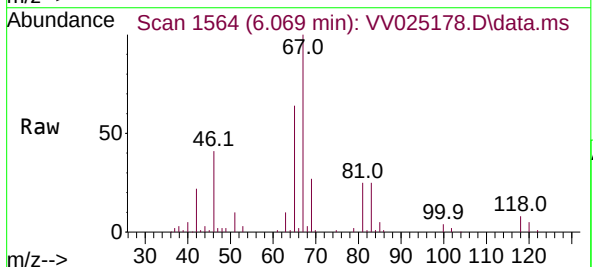
Instrument :
MSVOA_V
ClientSampleId :
EW607DL

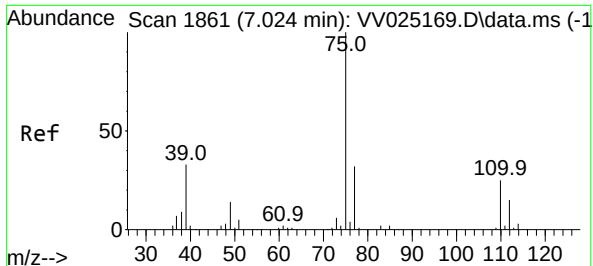
Tgt Ion: 83 Resp: 15343
Ion Ratio Lower Upper
83 100
55 1.6 55.4 83.0#
98 1.4 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.683 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.100 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

Tgt Ion: 63 Resp: 5867
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.032 min

Lab File: VV025178.D

Acq: 25 Mar 2022 14:55

Instrument :

MSVOA_V

ClientSampleId :

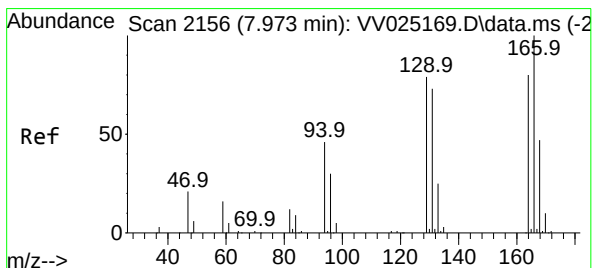
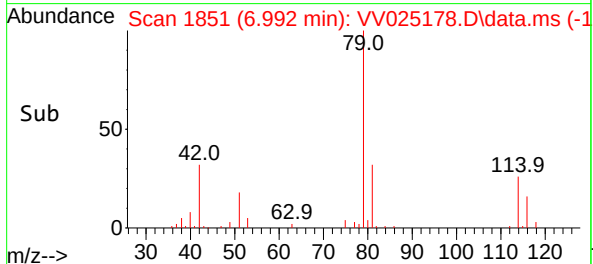
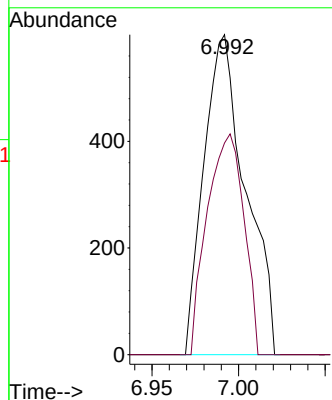
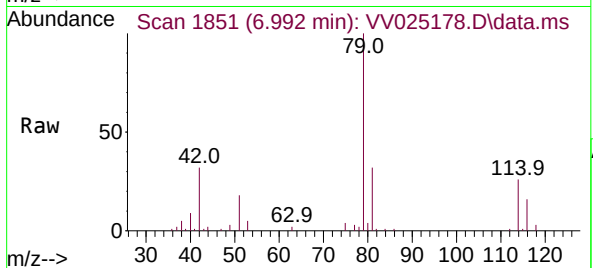
EW607DL

Tgt Ion: 75 Resp: 1006

Ion Ratio Lower Upper

75 100

77 66.2 23.0 42.8#



#47

Tetrachloroethene

Concen: 0.556 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025178.D

Acq: 25 Mar 2022 14:55

Tgt Ion: 164 Resp: 3898

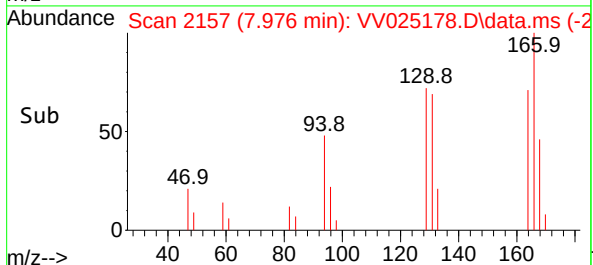
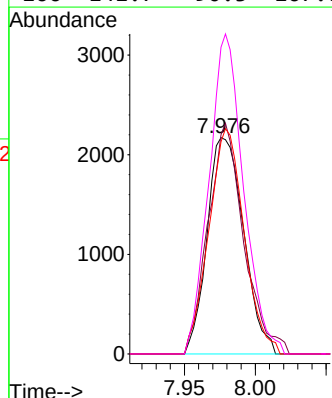
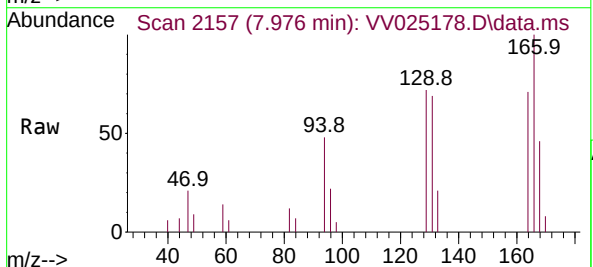
Ion Ratio Lower Upper

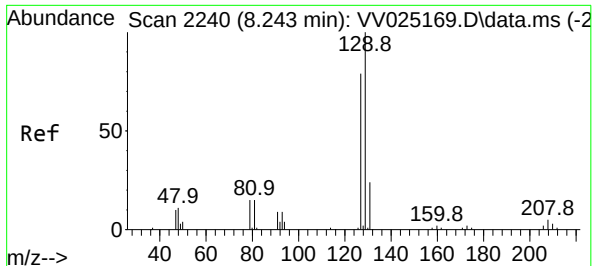
164 100

129 101.3 70.3 130.7

131 98.0 69.4 129.0

166 141.7 90.3 167.7





#49

Dibromochloromethane

Concen: 0.630 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV025178.D

Acq: 25 Mar 2022 14:55

Instrument :

MSVOA_V

ClientSampleId :

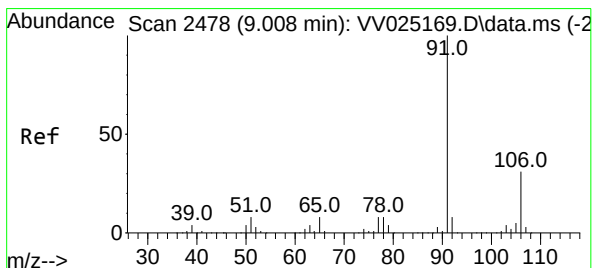
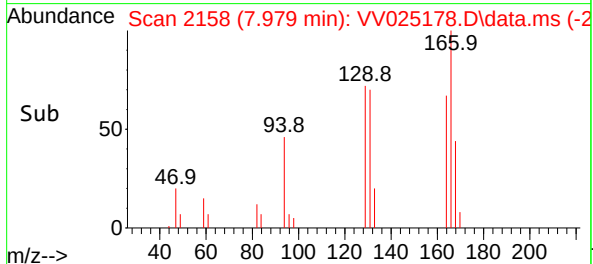
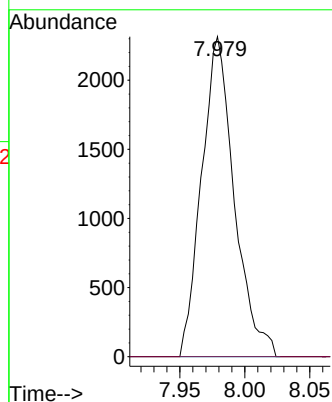
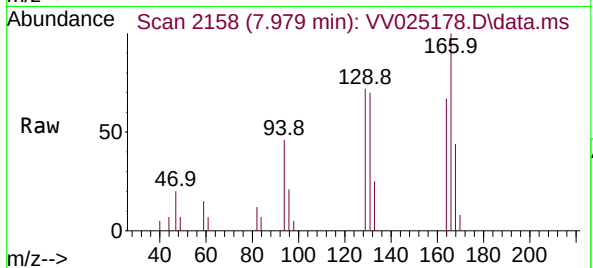
EW607DL

Tgt Ion:129 Resp: 4051

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#



#52

Ethylbenzene

Concen: 0.059 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.013 min

Lab File: VV025178.D

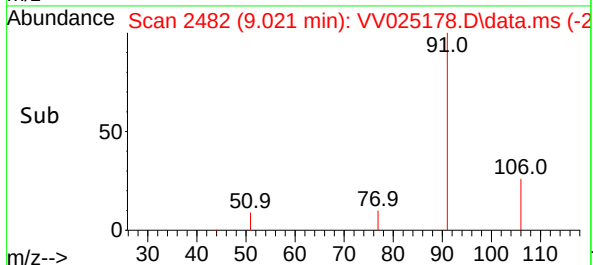
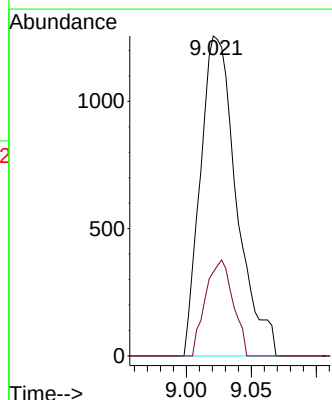
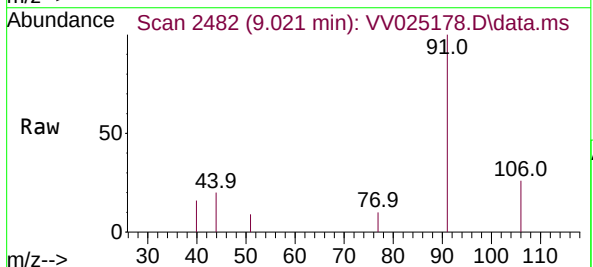
Acq: 25 Mar 2022 14:55

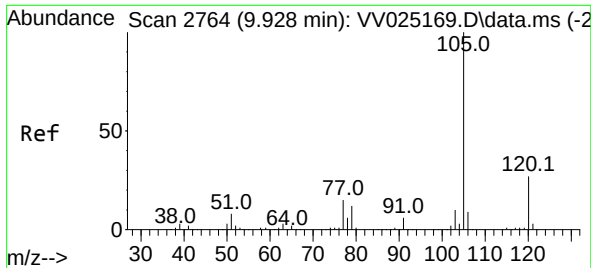
Tgt Ion: 91 Resp: 2427

Ion Ratio Lower Upper

91 100

106 26.3 21.9 40.7

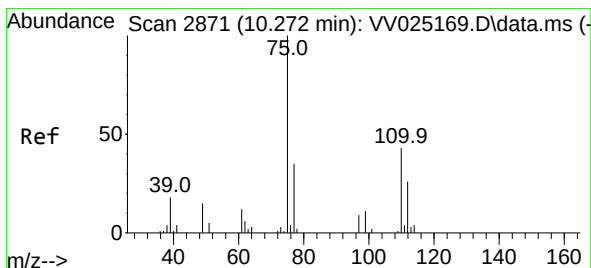
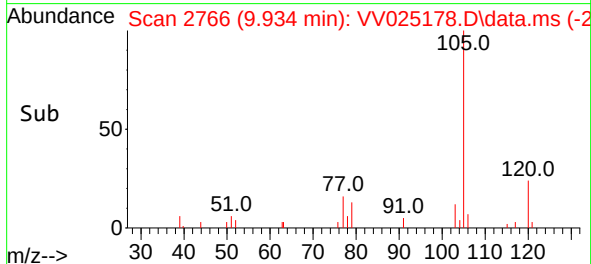
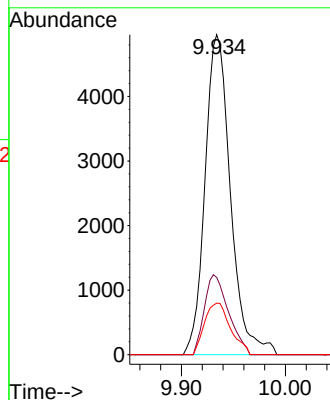
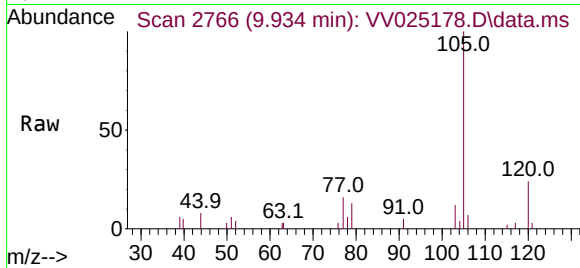




#60
Isopropylbenzene
Concen: 0.223 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

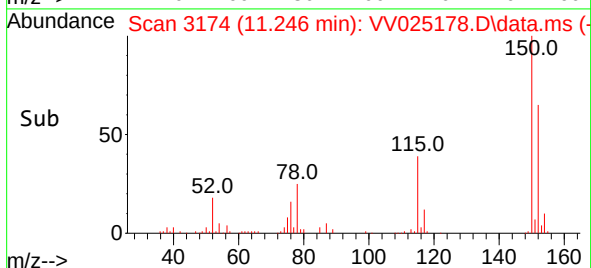
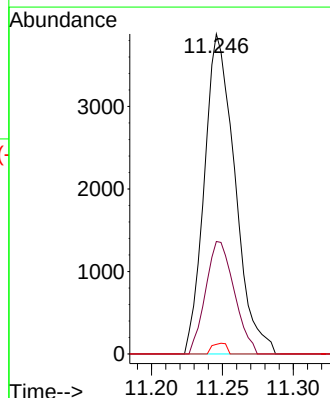
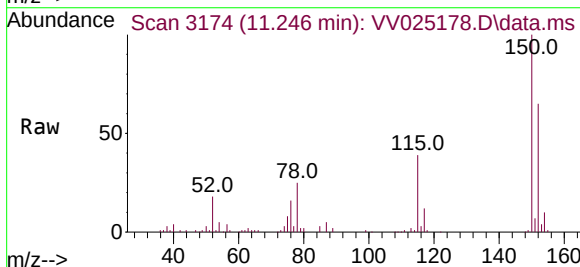
Instrument :
MSVOA_V
ClientSampleId :
EW607DL

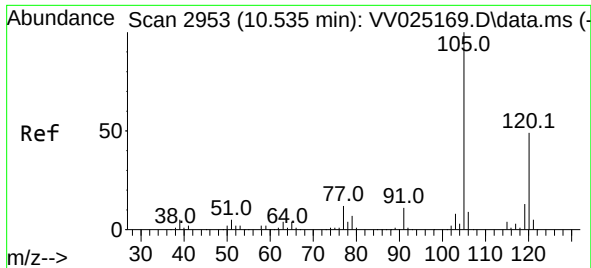
Tgt Ion:105 Resp: 8432
Ion Ratio Lower Upper
105 100
120 23.6 20.7 31.1
77 16.4 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 1.379 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV025178.D
Acq: 25 Mar 2022 14:55

Tgt Ion: 75 Resp: 5810
Ion Ratio Lower Upper
75 100
77 32.9 25.7 38.5
110 1.6 31.2 46.8#

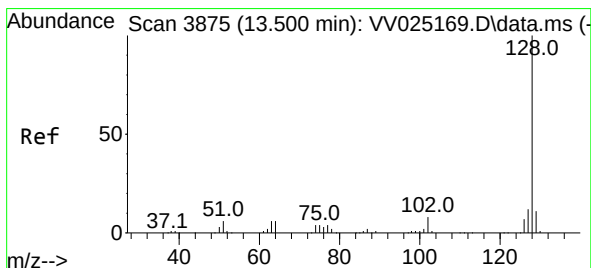
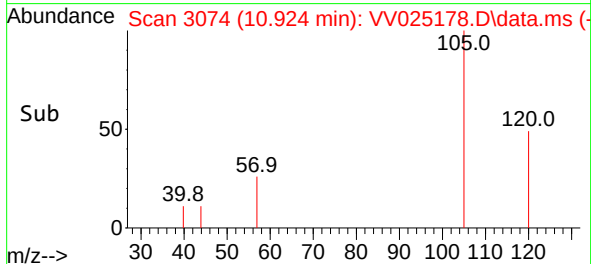
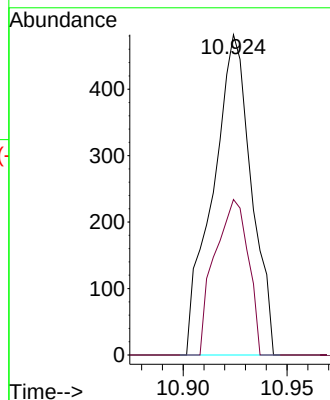
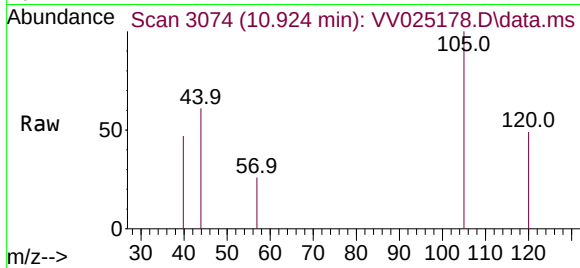




#62
 1,3,5-Trimethylbenzene
 Concen: 0.036 ug/L
 RT: 10.924 min Scan# 3074
 Delta R.T. 0.389 min
 Lab File: VV025178.D
 Acq: 25 Mar 2022 14:55

Instrument :
 MSVOA_V
 ClientSampleId :
 EW607DL

Tgt Ion:105 Resp: 622
 Ion Ratio Lower Upper
 105 100
 120 42.1 38.5 57.7



#71
 Naphthalene
 Concen: 0.450 ug/L
 RT: 13.506 min Scan# 3877
 Delta R.T. 0.006 min
 Lab File: VV025178.D
 Acq: 25 Mar 2022 14:55

Tgt Ion:128 Resp: 6737
 Ion Ratio Lower Upper
 128 100
 129 10.4 8.5 12.7
 127 11.7 9.8 14.8

