

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032322\
 Data File : VW025138.D
 Acq On : 23 Mar 2022 17:30
 Operator : SY/MD
 Sample : N2083-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 01:18:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 24 01:12:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	123948	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	117515	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53271	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	40163	4.104	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.000%
7) Chloroethane-d5	1.571	69	35991	5.023	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.400%
11) 1,1-Dichloroethene-d2	2.111	63	54855	3.468	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.400%
20) 2-Butanone-d5	3.899	46	89283	75.496	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	151.000%#
24) Chloroform-d	4.352	84	86692	5.342	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
26) 1,2-Dichloroethane-d4	5.034	65	37640	5.547	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.000%
32) Benzene-d6	5.053	84	167532	4.914	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.069	67	52577	5.363	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.200%
41) Toluene-d8	7.317	98	142226	4.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	7.628	79	14942	4.372	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.088	63	70613	60.579	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.160%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35860	6.218	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.400%#
66) 1,2-Dichlorobenzene-d4	11.622	152	49846	5.527	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.314	62	2668	0.245	ug/L #	70
12) 1,1-Dichloroethene	2.121	96	2286	0.290	ug/L #	1
15) Methyl Acetate	2.195	43	880	0.406	ug/L #	44
17) Methyl tert-butyl Ether	2.770	73	5296	0.308	ug/L #	96
18) trans-1,2-Dichloroethene	2.770	96	1286	0.135	ug/L	95
19) 1,1-Dichloroethane	3.195	63	25762	1.593	ug/L	99
22) cis-1,2-Dichloroethene	3.915	96	43633	4.548	ug/L	96
25) Chloroform	4.378	83	5561	0.330	ug/L	95
27) 1,2-Dichloroethane	5.143	62	3173	0.379	ug/L	96
29) 1,1,1-Trichloroethane	4.609	97	18487	1.234	ug/L	98
31) Carbon tetrachloride	4.831	117	8248	0.641	ug/L	99
34) Trichloroethene	5.921	95	6349	0.624	ug/L	96
35) Methylcyclohexane	6.072	83	12619	0.783	ug/L #	22
37) 1,2-Dichloropropane	6.069	63	5263	0.599	ug/L #	86
39) cis-1,3-Dichloropropene	6.992	75	1068	0.088	ug/L	86
47) Tetrachloroethene	7.979	164	3775	0.527	ug/L	92
49) Dibromochloromethane	7.979	129	4083	0.622	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6026	1.345	ug/L #	65
68) 1,2-Dibromo-3-chloropr...	12.242	75	208	0.271	ug/L #	1

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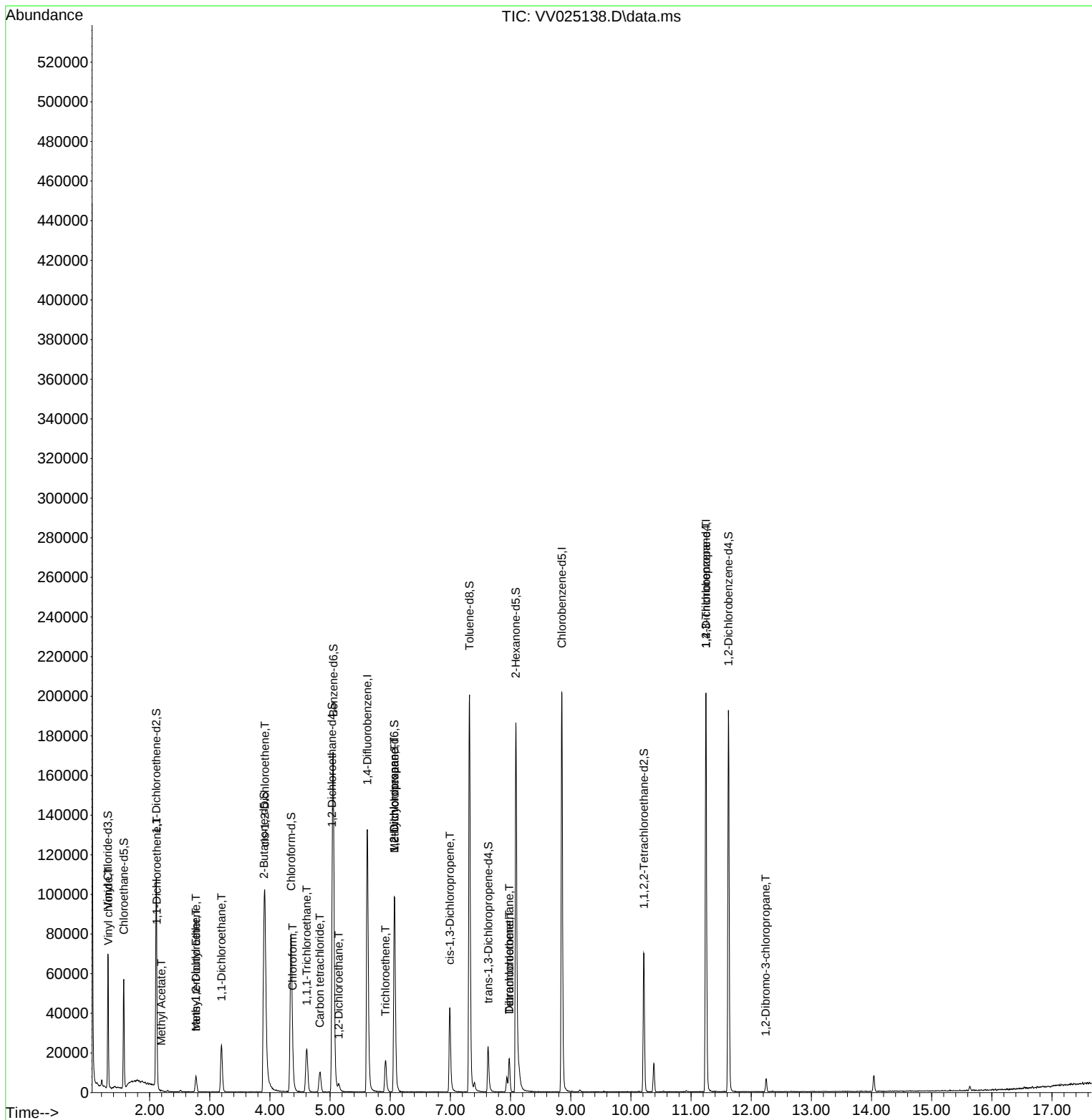
Instrument :
MSVOA_V
ClientSampleId :

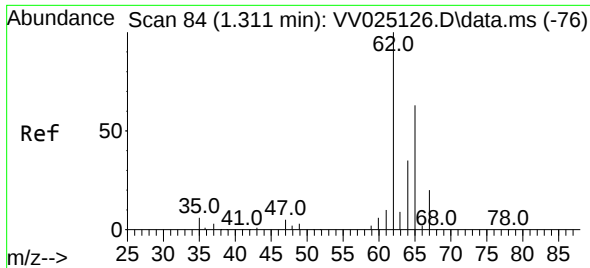
Quant Time: Mar 24 01:18:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 24 01:12:55 2022
Response via : Initial Calibration

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

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

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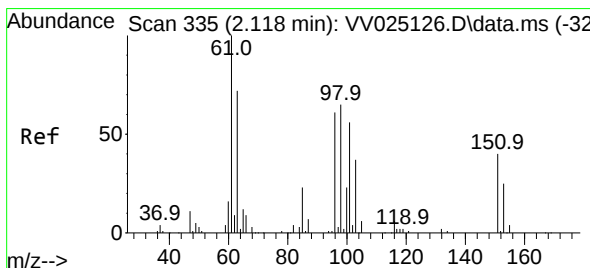
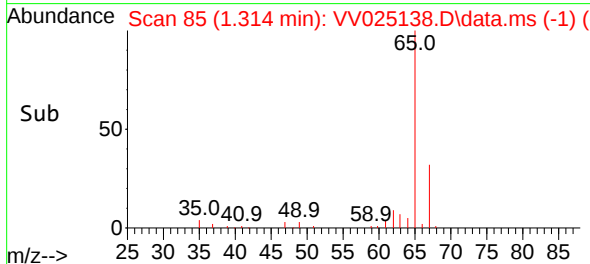
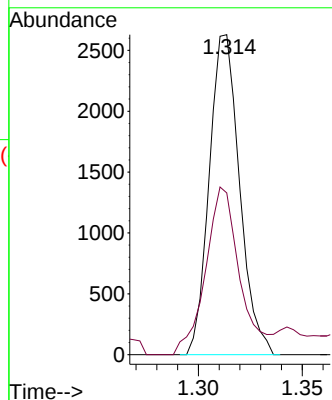
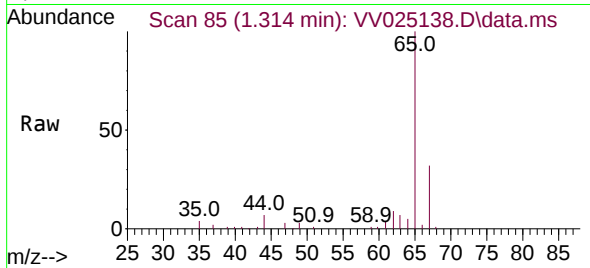




#5
 Vinyl chloride
 Concen: 0.245 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV025138.D
 Acq: 23 Mar 2022 17:30

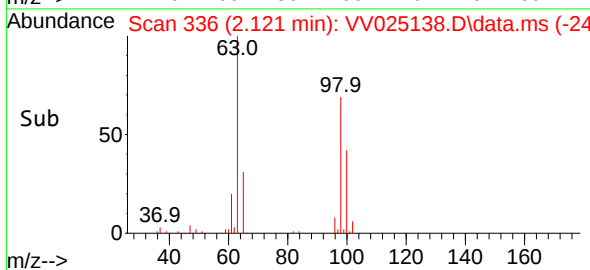
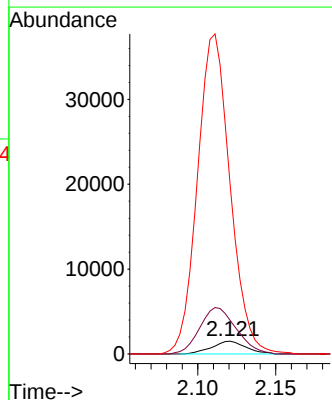
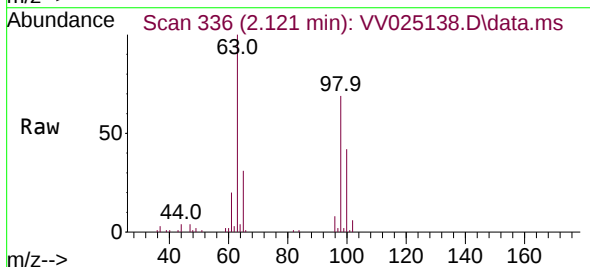
Instrument :
 MSVOA_V
 ClientSampleId :

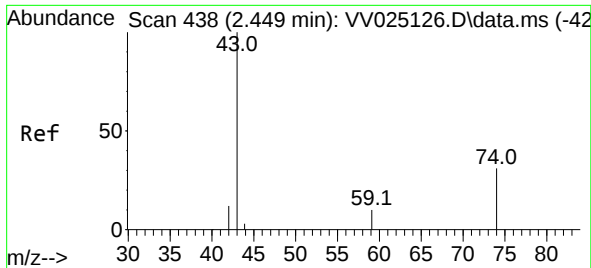
Tgt Ion: 62 Resp: 2668
 Ion Ratio Lower Upper
 62 100
 64 50.6 23.4 43.4#



#12
 1,1-Dichloroethene
 Concen: 0.290 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV025138.D
 Acq: 23 Mar 2022 17:30

Tgt Ion: 96 Resp: 2286
 Ion Ratio Lower Upper
 96 100
 61 261.1 113.0 209.9#
 63 1313.8 82.1 152.5#

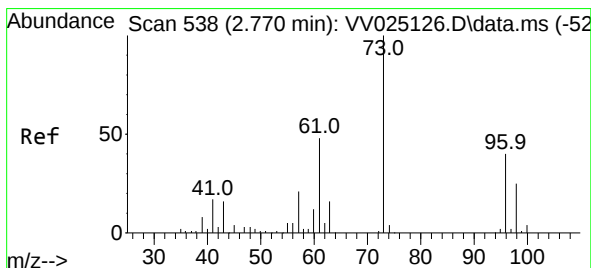
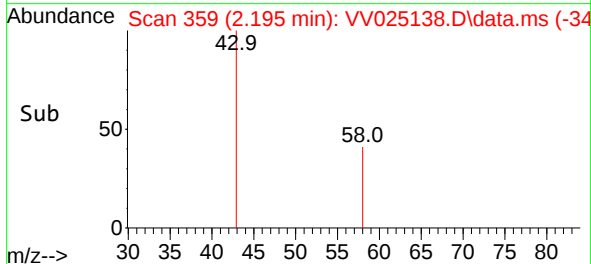
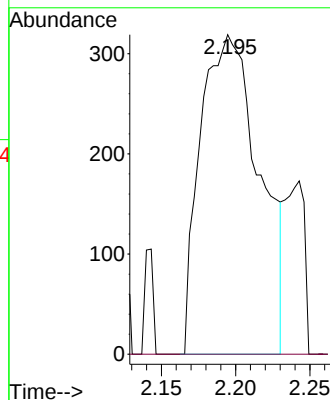
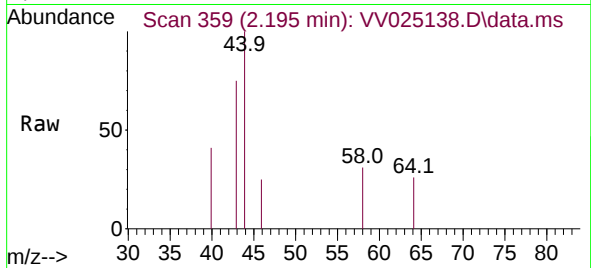




#15
Methyl Acetate
Concen: 0.406 ug/L
RT: 2.195 min Scan# 31
Delta R.T. -0.254 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

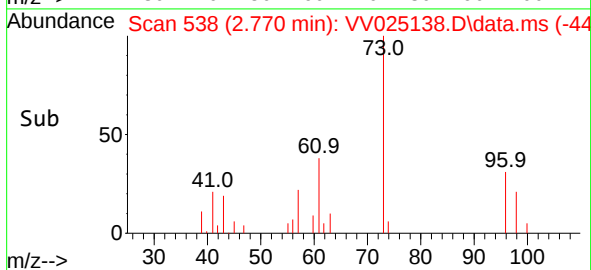
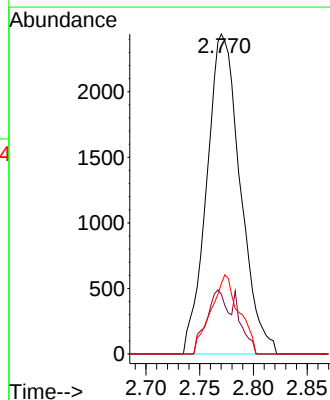
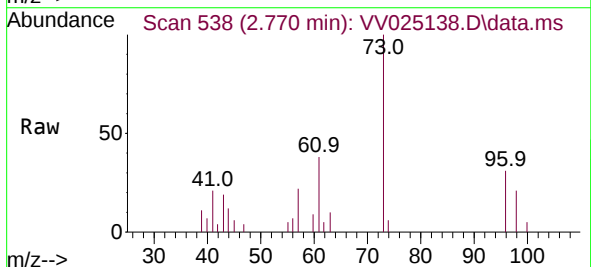
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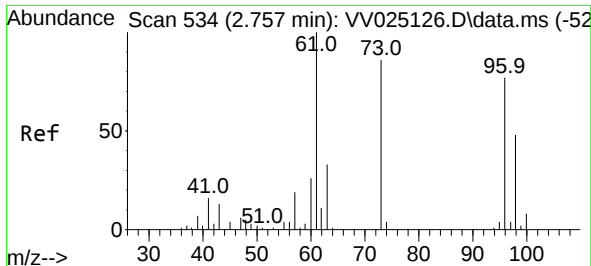
Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
74 0.0 24.2 36.4#



#17
Methyl tert-butyl Ether
Concen: 0.308 ug/L
RT: 2.770 min Scan# 538
Delta R.T. -0.000 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

Tgt Ion: 73 Resp: 5296
Ion Ratio Lower Upper
73 100
43 13.0 13.2 19.8#
57 20.6 16.7 25.1

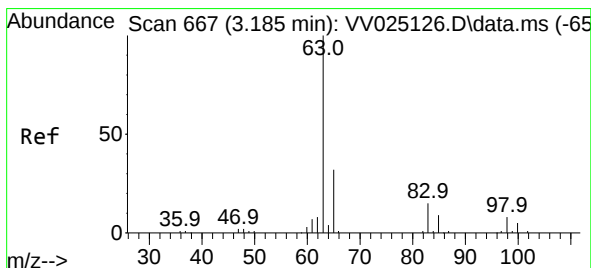
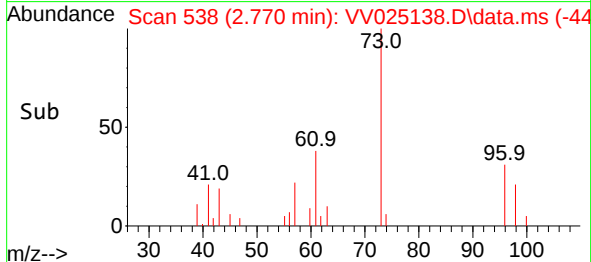
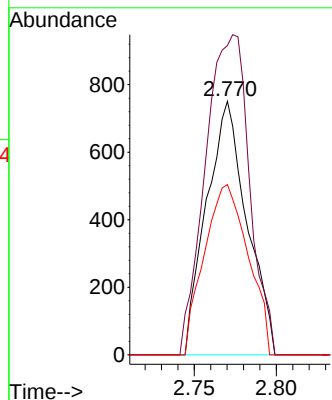
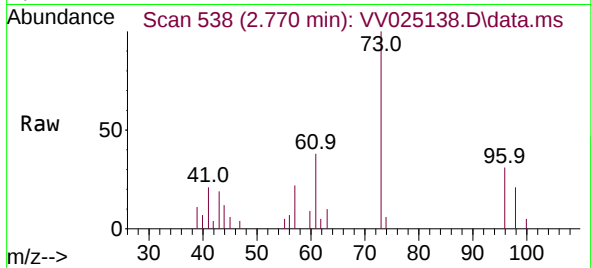




#18
trans-1,2-Dichloroethene
Concen: 0.135 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.013 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

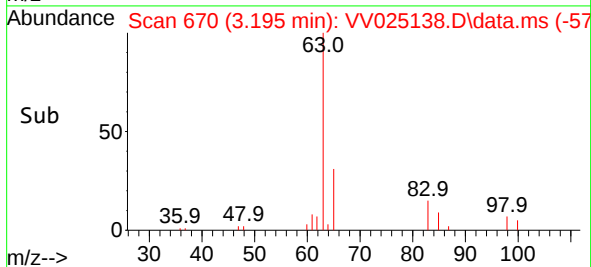
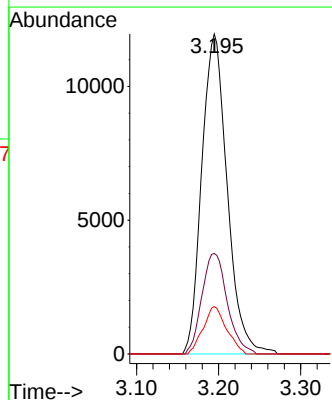
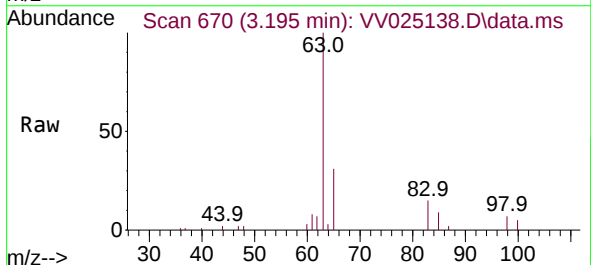
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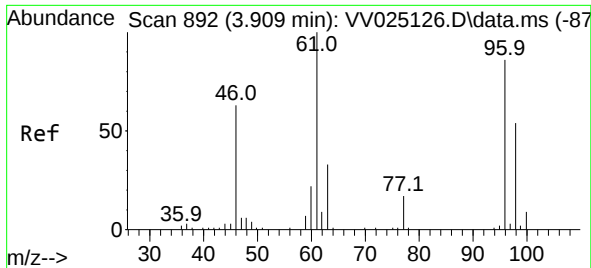
Tgt Ion: 96 Resp: 1286
Ion Ratio Lower Upper
96 100
61 122.0 89.2 165.6
98 67.1 43.9 81.5



#19
1,1-Dichloroethane
Concen: 1.593 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.010 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

Tgt Ion: 63 Resp: 25762
Ion Ratio Lower Upper
63 100
65 31.4 22.2 41.2
83 14.8 9.4 17.4

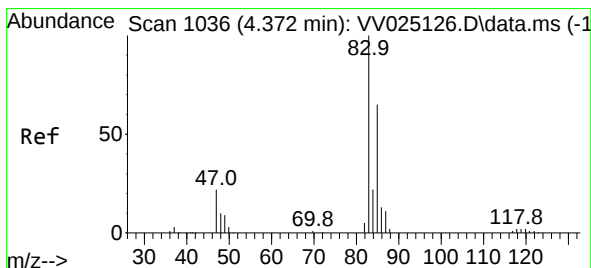
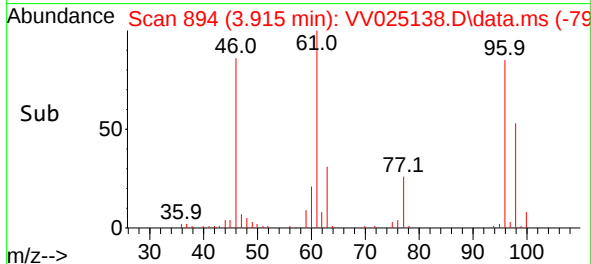
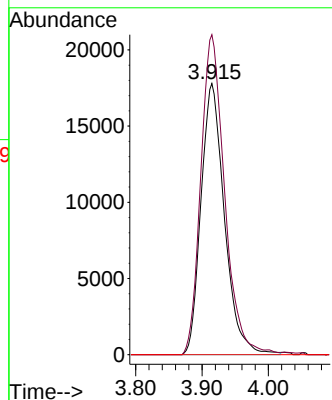
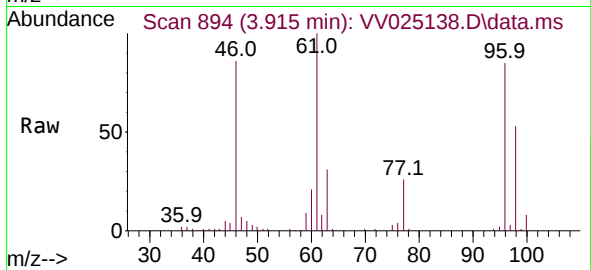




#22
 cis-1,2-Dichloroethene
 Concen: 4.548 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.006 min
 Lab File: VV025138.D
 Acq: 23 Mar 2022 17:30

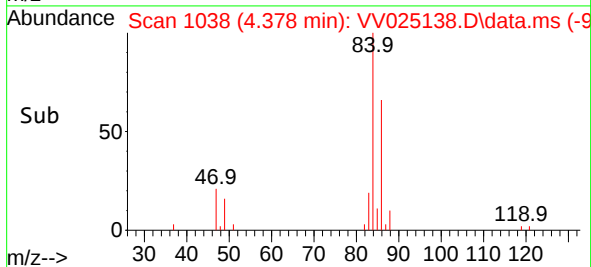
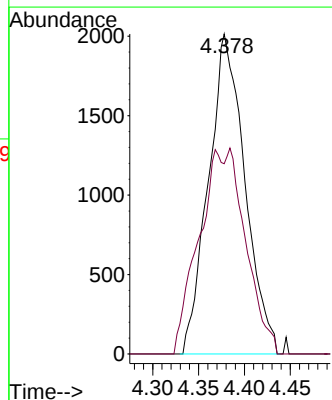
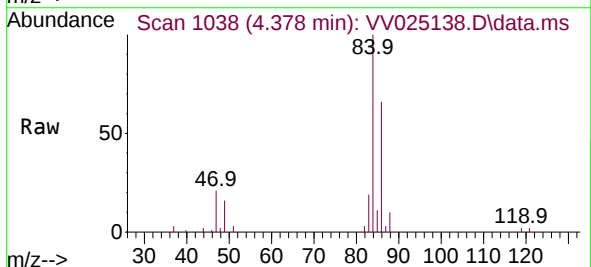
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 ClientSampleId :

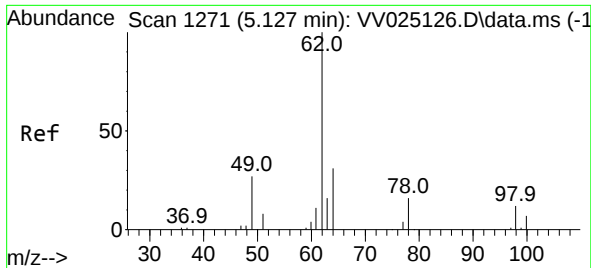
Tgt Ion: 96 Resp: 43633
 Ion Ratio Lower Upper
 96 100
 61 118.0 79.7 147.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.330 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. 0.006 min
 Lab File: VV025138.D
 Acq: 23 Mar 2022 17:30

Tgt Ion: 83 Resp: 5561
 Ion Ratio Lower Upper
 83 100
 85 59.5 44.5 82.7





#27

1,2-Dichloroethane

Concen: 0.379 ug/L

RT: 5.143 min Scan# 1110

Delta R.T. 0.016 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

Instrument :

MSVOA_V

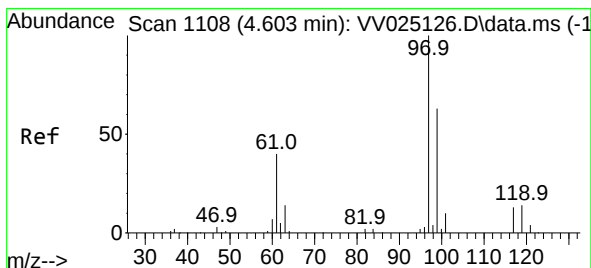
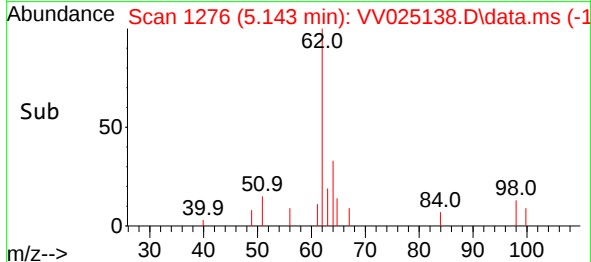
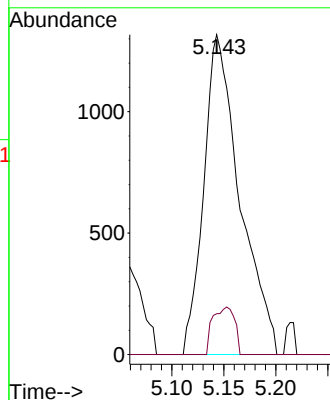
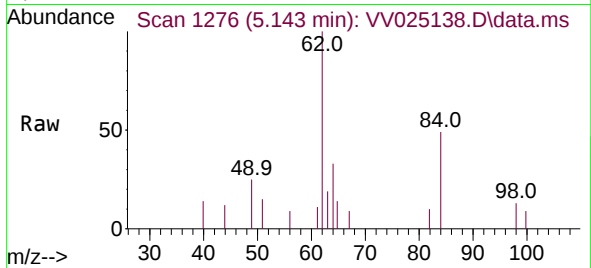
ClientSampleId :

Tgt Ion: 62 Resp: 3173

Ion Ratio Lower Upper

62 100

98 12.8 9.0 13.4



#29

1,1,1-Trichloroethane

Concen: 1.234 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

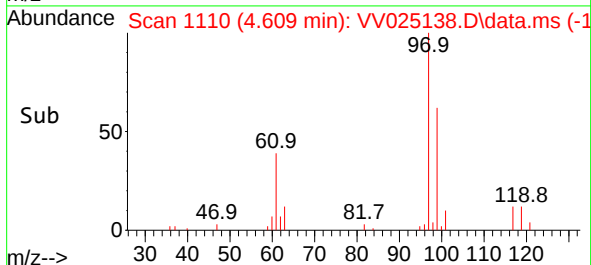
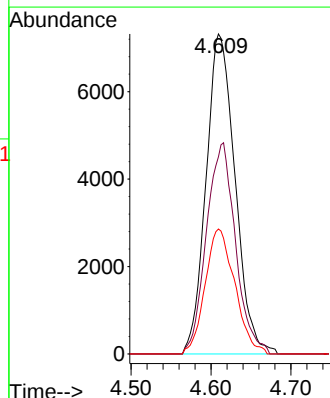
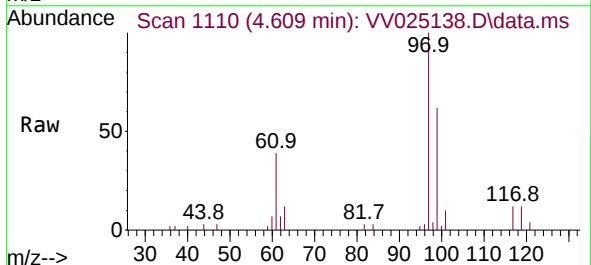
Tgt Ion: 97 Resp: 18487

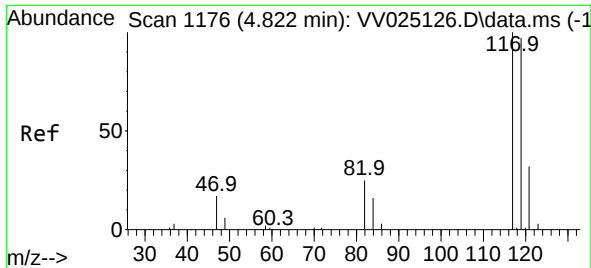
Ion Ratio Lower Upper

97 100

99 66.1 50.7 76.1

61 40.0 32.4 48.6

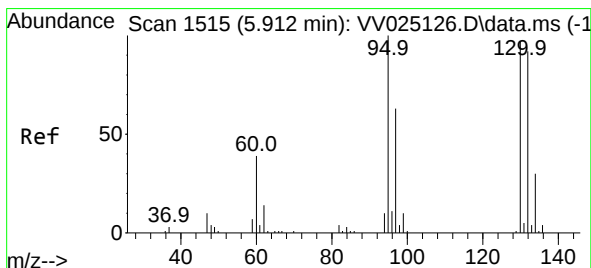
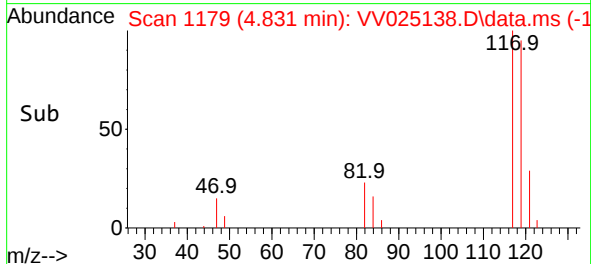
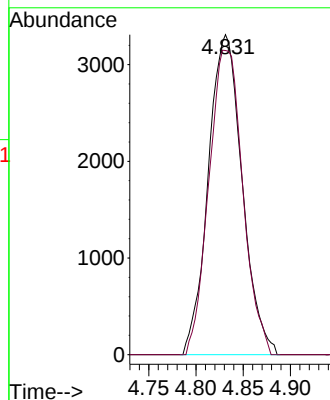
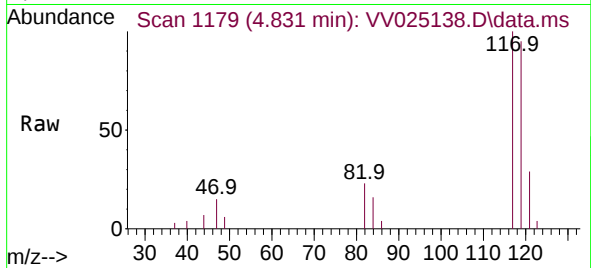




#31
Carbon tetrachloride
Concen: 0.641 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. 0.009 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

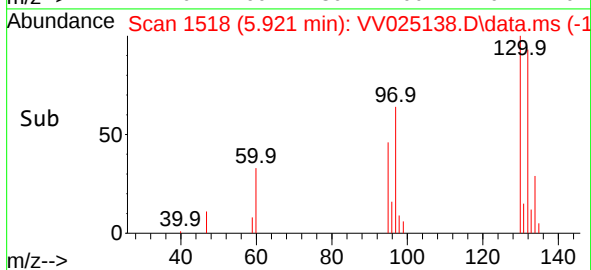
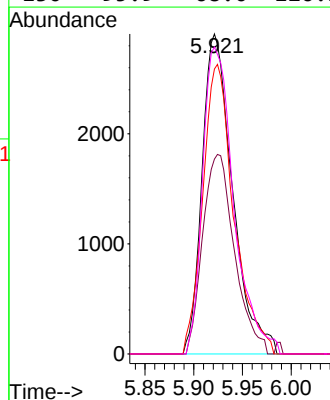
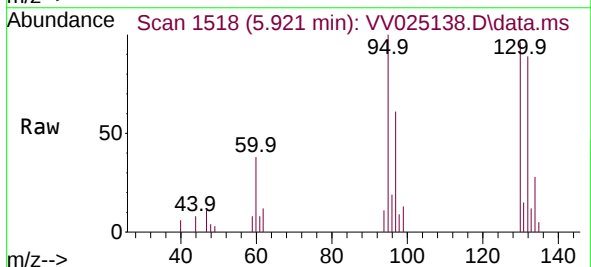
Instrument :
MSVOA_V
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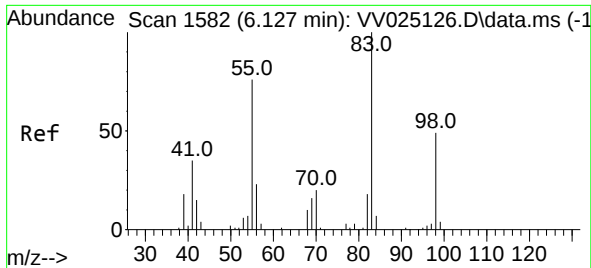
Tgt Ion:117 Resp: 8248
Ion Ratio Lower Upper
117 100
119 95.3 76.8 115.2



#34
Trichloroethene
Concen: 0.624 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.009 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

Tgt Ion: 95 Resp: 6349
Ion Ratio Lower Upper
95 100
97 60.9 44.5 82.7
132 89.1 66.5 123.5
130 95.9 68.0 126.2

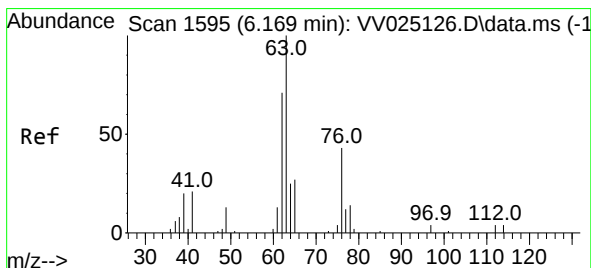
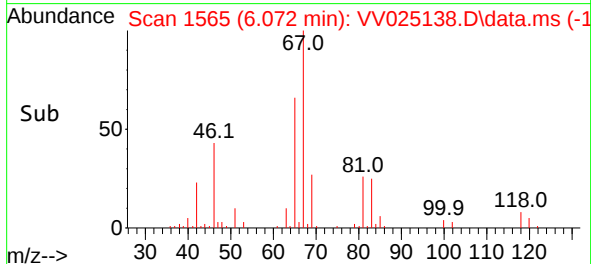
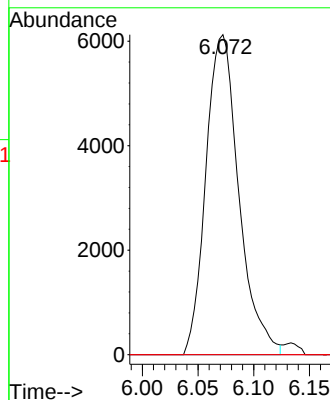
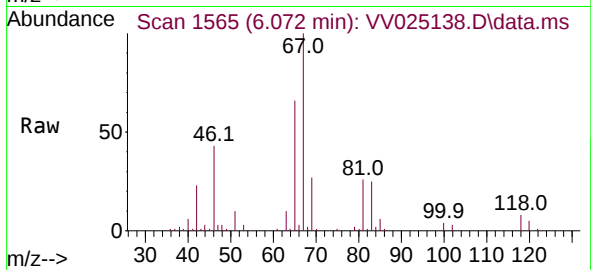




#35
Methylcyclohexane
Concen: 0.783 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

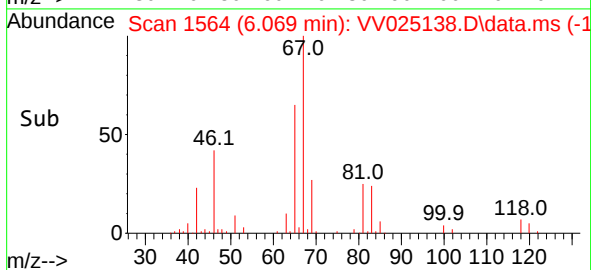
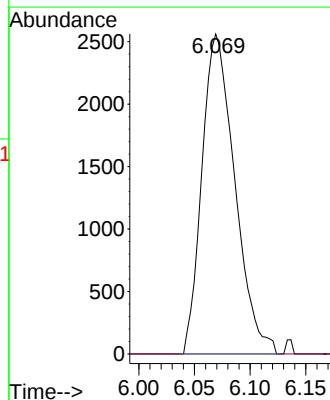
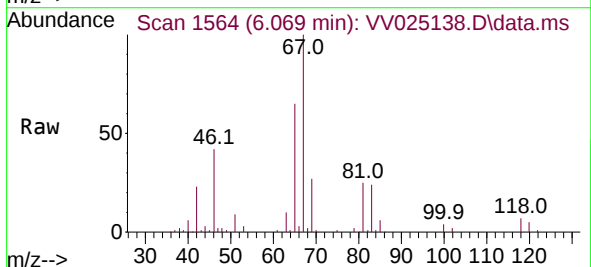
Instrument :
MSVOA_V
ClientSampleId :

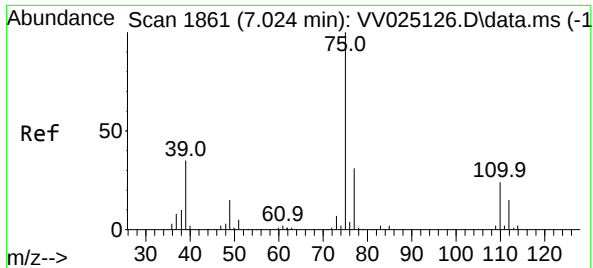
Tgt Ion: 83 Resp: 12619
Ion Ratio Lower Upper
83 100
55 0.0 55.4 83.0#
98 1.3 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.599 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.100 min
Lab File: VV025138.D
Acq: 23 Mar 2022 17:30

Tgt Ion: 63 Resp: 5263
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.032 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

Instrument :

MSVOA_V

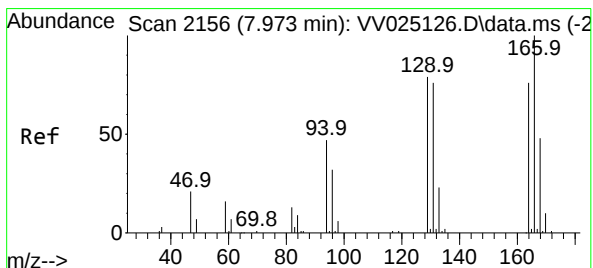
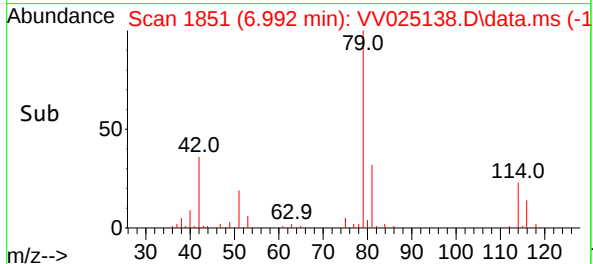
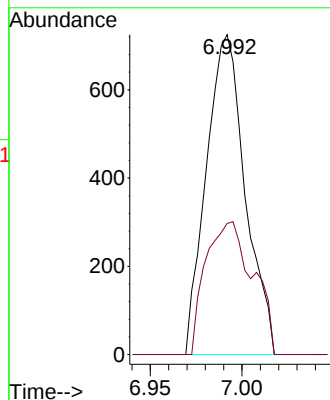
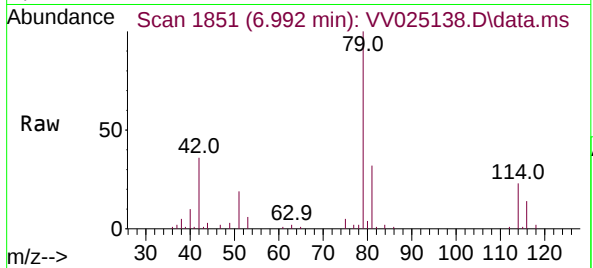
ClientSampleId :

Tgt Ion: 75 Resp: 1068

Ion Ratio Lower Upper

75 100

77 41.0 23.0 42.8



#47

Tetrachloroethene

Concen: 0.527 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

Tgt Ion: 164 Resp: 3775

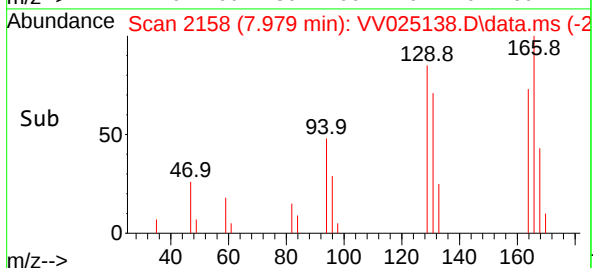
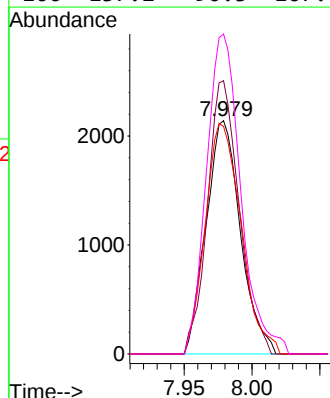
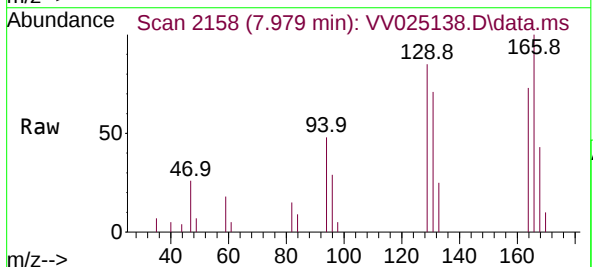
Ion Ratio Lower Upper

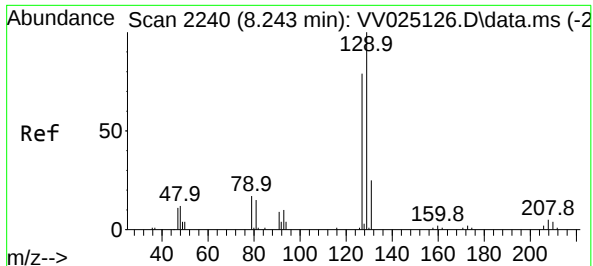
164 100

129 117.1 70.3 130.7

131 97.6 69.4 129.0

166 137.2 90.3 167.7





#49

Dibromochloromethane

Concen: 0.622 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

Instrument :

MSVOA_V

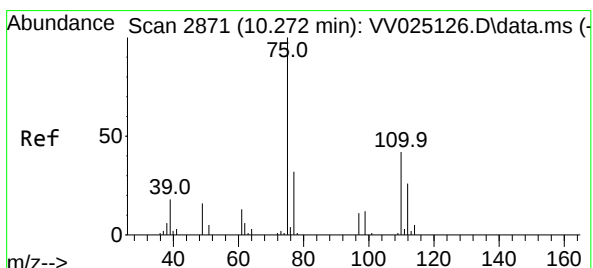
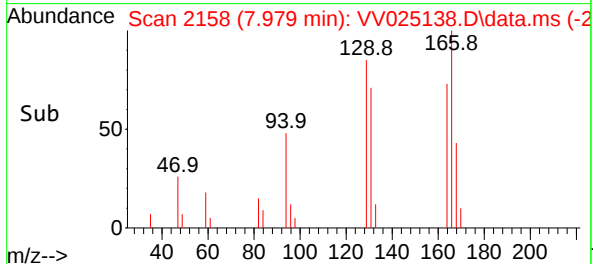
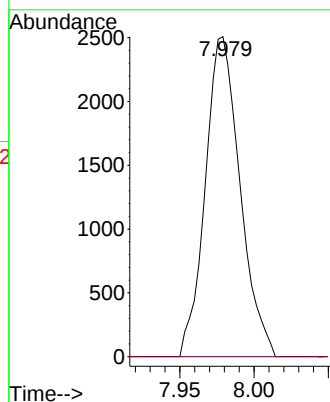
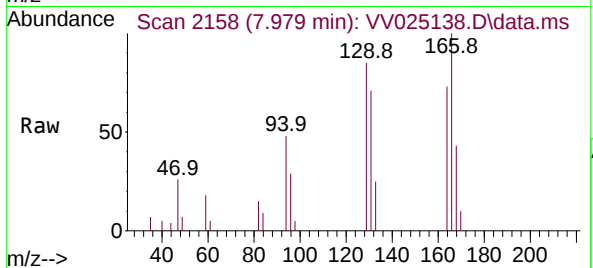
ClientSampleId :

Tgt Ion:129 Resp: 4083

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#



#61

1,2,3-Trichloropropane

Concen: 1.345 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV025138.D

Acq: 23 Mar 2022 17:30

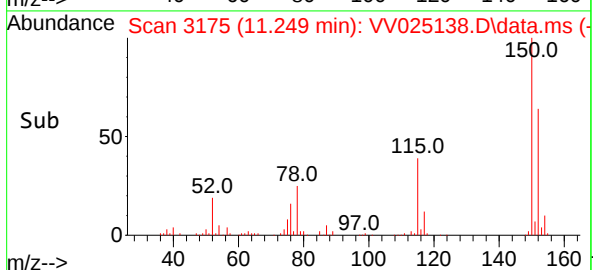
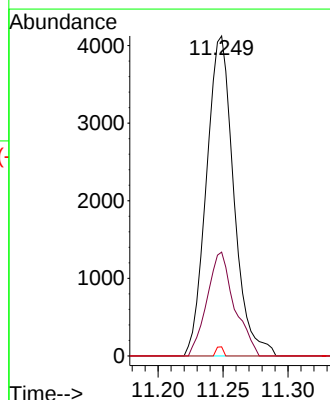
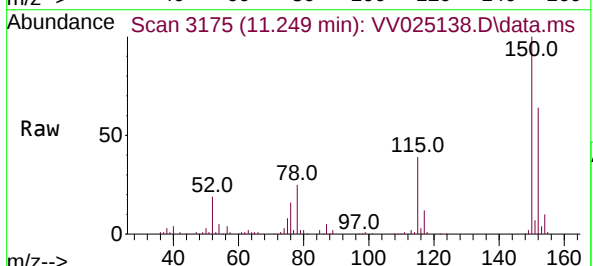
Tgt Ion: 75 Resp: 6026

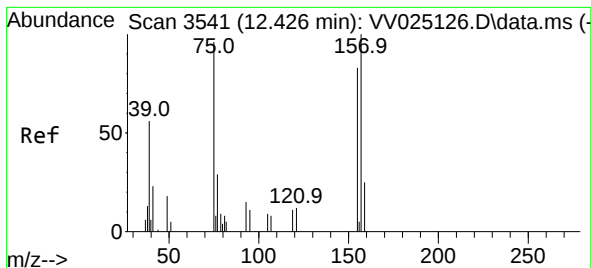
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

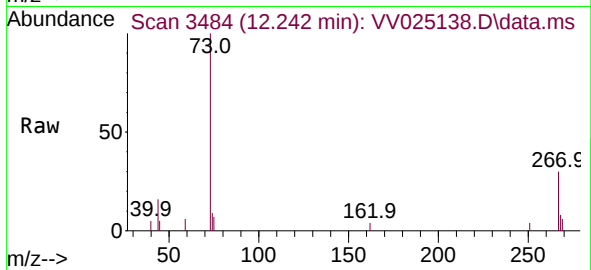
110 0.7 31.2 46.8#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.271 ug/L
 RT: 12.242 min Scan# 34
 Delta R.T. -0.183 min
 Lab File: VV025138.D
 Acq: 23 Mar 2022 17:30

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 208
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.9 98.9#
 157 0.0 89.7 134.5#

