

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023481.D
 Acq On : 15 Nov 2021 14:43
 Operator : SY/MD
 Sample : M4616-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

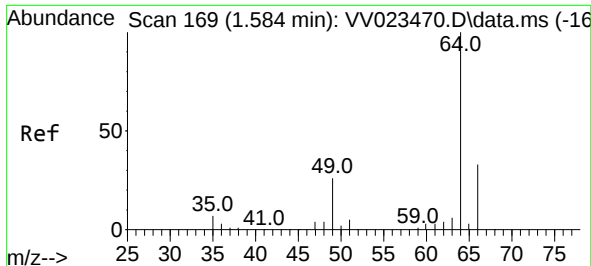
Instrument :
 MSVOA_V
 ClientSampleId :
 BG1Y9

Quant Time: Nov 16 00:32:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 00:29:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119241	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	119208	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54115	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	45789	6.130	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	122.600%	
7) Chloroethane-d5	1.568	69	35148	5.773	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	115.400%	
11) 1,1-Dichloroethene-d2	2.108	63	61133	4.372	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	87.400%	
20) 2-Butanone-d5	3.896	46	72153	56.065	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	112.140%	
24) Chloroform-d	4.349	84	79957	5.023	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.400%	
26) 1,2-Dichloroethane-d4	5.034	65	38391	5.363	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	107.200%	
32) Benzene-d6	5.050	84	157267	5.142	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.800%	
36) 1,2-Dichloropropane-d6	6.072	67	46615	5.177	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.600%	
41) Toluene-d8	7.317	98	137799	4.808	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.200%	
43) trans-1,3-Dichloroprop...	7.625	79	16177	4.738	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.800%	
46) 2-Hexanone-d5	8.092	63	44116	35.120	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	70.240%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27189	4.199	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	84.000%	
66) 1,2-Dichlorobenzene-d4	11.625	152	49356	5.477	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	109.600%	
Target Compounds						Qvalue
8) Chloroethane	1.307	64	708	0.124	ug/L #	1
9) Trichlorofluoromethane	1.754	101	1845	0.124	ug/L	85
12) 1,1-Dichloroethene	2.111	96	594	0.084	ug/L #	1
17) Methyl tert-butyl Ether	2.777	73	2696	0.172	ug/L	98
22) cis-1,2-Dichloroethene	3.918	96	2266	0.269	ug/L #	90
27) 1,2-Dichloroethane	5.047	62	979	0.117	ug/L #	72
34) Trichloroethene	5.915	95	59235	6.685	ug/L	95
35) Methylcyclohexane	6.072	83	12021	0.860	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	5566	0.716	ug/L #	83
42) Toluene	7.404	91	2187	0.061	ug/L	85
47) Tetrachloroethene	7.976	164	19711	2.567	ug/L	98
48) 2-Hexanone	8.143	43	8852	3.502	ug/L #	91
49) Dibromochloromethane	7.976	129	17992	2.541	ug/L #	10
59) Bromoform	9.741	173	505	0.156	ug/L #	60
61) 1,2,3-Trichloropropane	11.249	75	5647	1.571	ug/L #	65

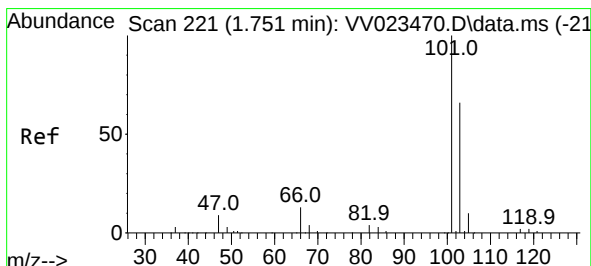
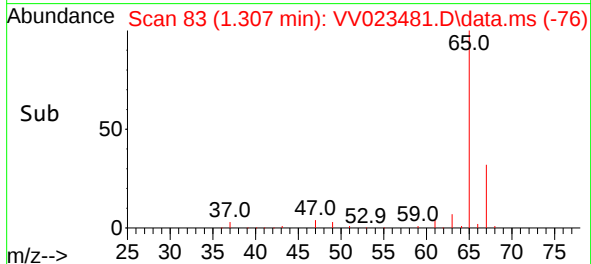
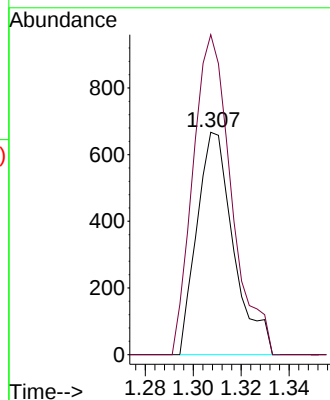
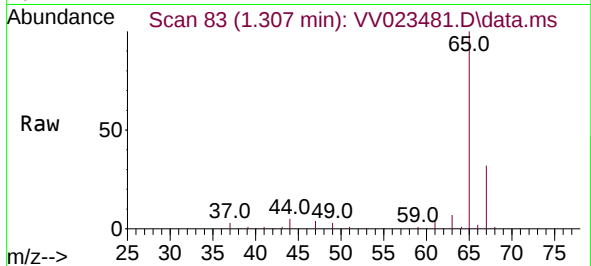
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 0.124 ug/L
RT: 1.307 min Scan# 81
Delta R.T. -0.276 min
Lab File: VV023481.D
Acq: 15 Nov 2021 14:43

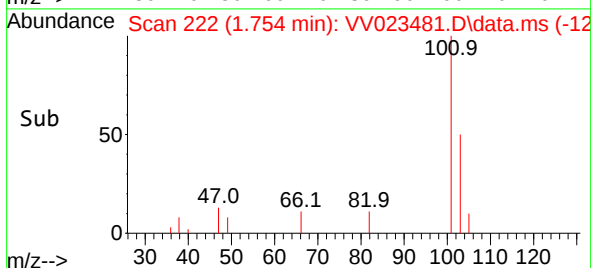
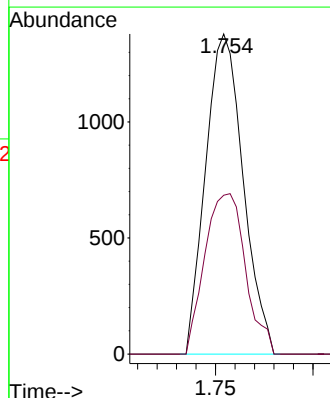
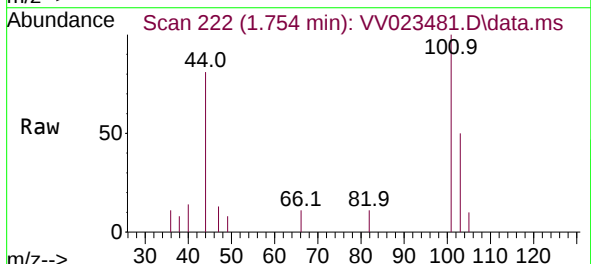
Instrument :
MSVOA_V
ClientSampleId :
BG1Y9

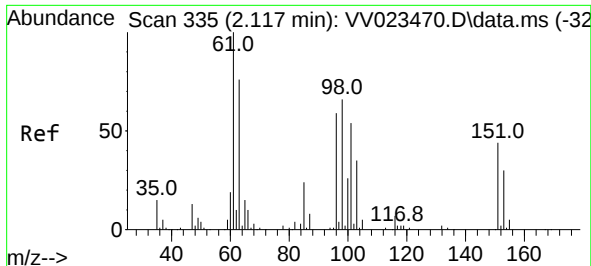
Tgt Ion: 64 Resp: 708
Ion Ratio Lower Upper
64 100
66 143.9 22.1 41.1#



#9
Trichlorofluoromethane
Concen: 0.124 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV023481.D
Acq: 15 Nov 2021 14:43

Tgt Ion: 101 Resp: 1845
Ion Ratio Lower Upper
101 100
103 54.3 52.6 79.0

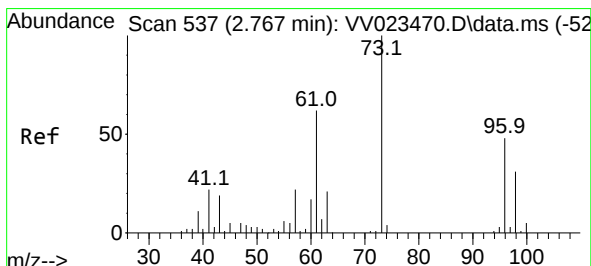
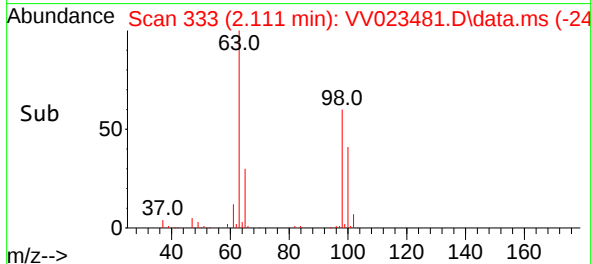
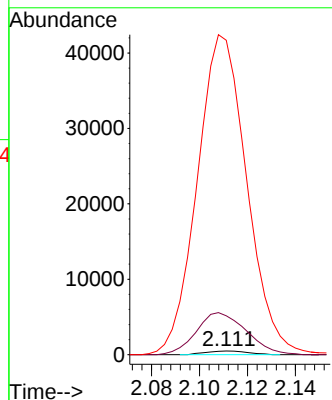
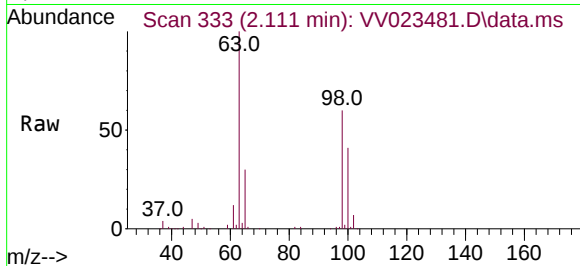




#12
 1,1-Dichloroethene
 Concen: 0.084 ug/L
 RT: 2.111 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VV023481.D
 Acq: 15 Nov 2021 14:43

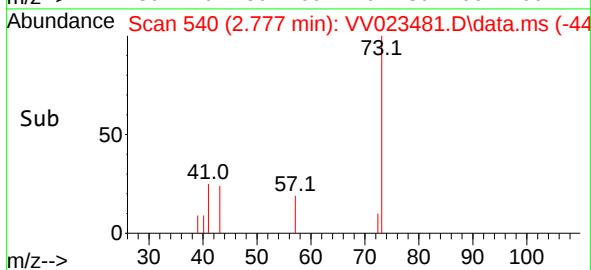
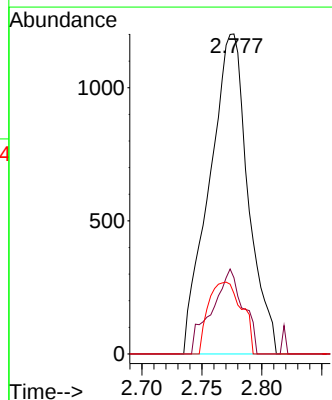
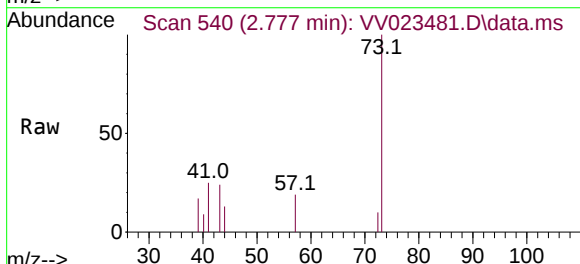
Instrument :
 MSVOA_V
 ClientSampleId :
 BG1Y9

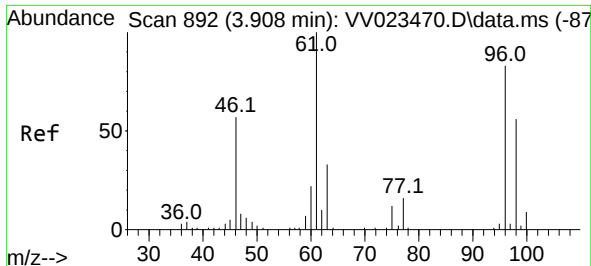
Tgt Ion: 96 Resp: 594
 Ion Ratio Lower Upper
 96 100
 61 1063.6 121.5 225.7#
 63 8613.2 99.6 185.0#



#17
 Methyl tert-butyl Ether
 Concen: 0.172 ug/L
 RT: 2.777 min Scan# 540
 Delta R.T. 0.010 min
 Lab File: VV023481.D
 Acq: 15 Nov 2021 14:43

Tgt Ion: 73 Resp: 2696
 Ion Ratio Lower Upper
 73 100
 43 21.5 17.4 26.0
 57 19.3 16.5 24.7





#22

cis-1,2-Dichloroethene

Concen: 0.269 ug/L

RT: 3.918 min Scan# 89

Delta R.T. 0.010 min

Lab File: VV023481.D

Acq: 15 Nov 2021 14:43

Instrument :

MSVOA_V

ClientSampleId :

BG1Y9

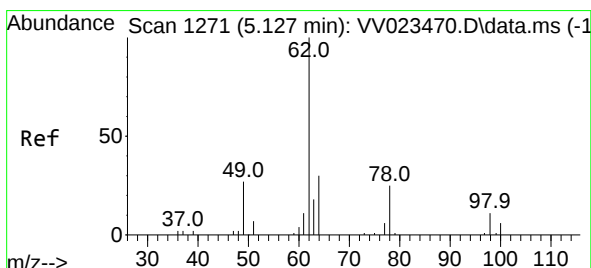
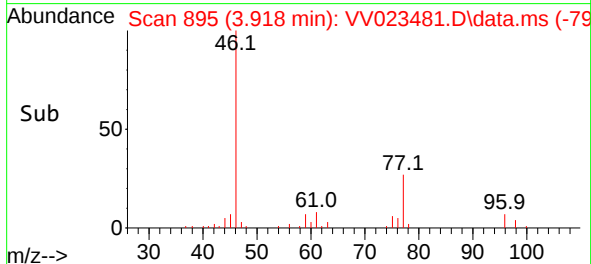
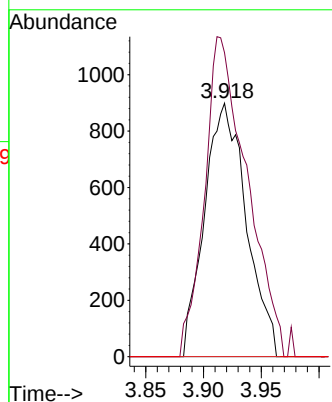
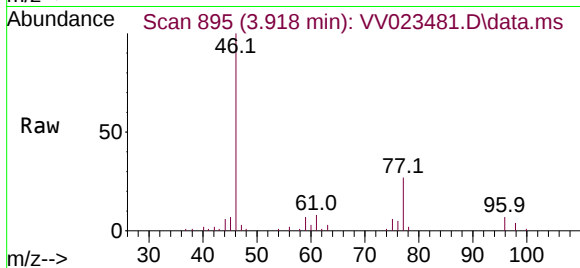
Tgt Ion: 96 Resp: 2266

Ion Ratio Lower Upper

96 100

61 119.9 92.3 171.3

68 0.0 0.4 0.8#



#27

1,2-Dichloroethane

Concen: 0.117 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.080 min

Lab File: VV023481.D

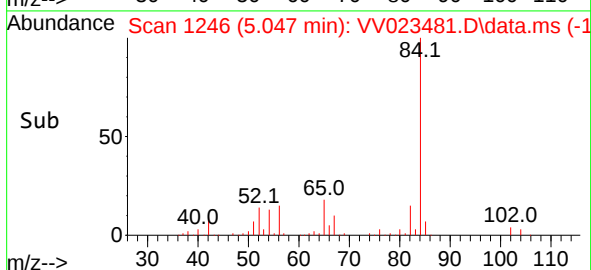
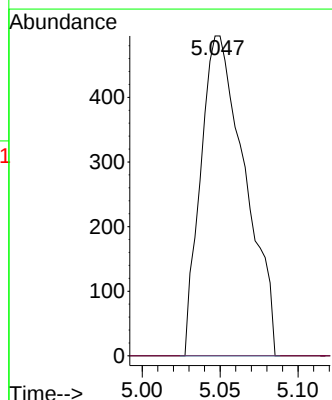
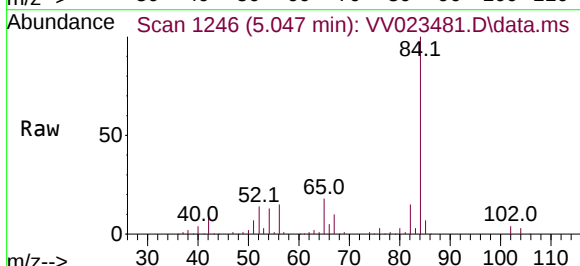
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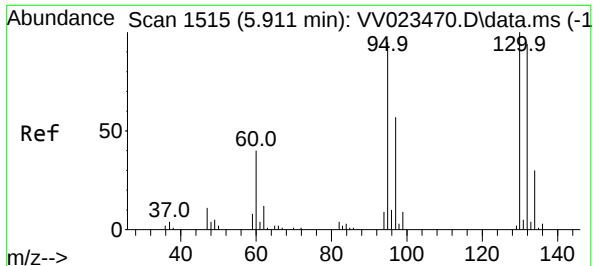
Tgt Ion: 62 Resp: 979

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

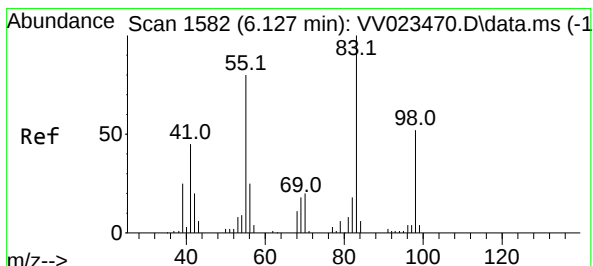
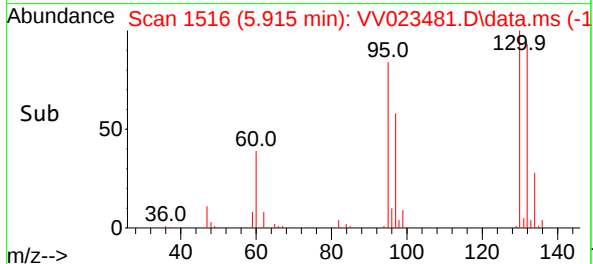
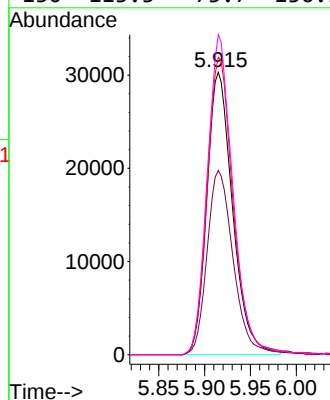
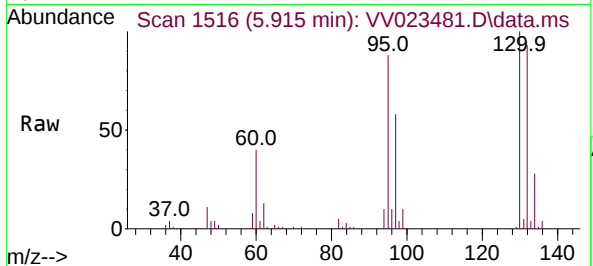




#34
Trichloroethene
Concen: 6.685 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV023481.D
Acq: 15 Nov 2021 14:43

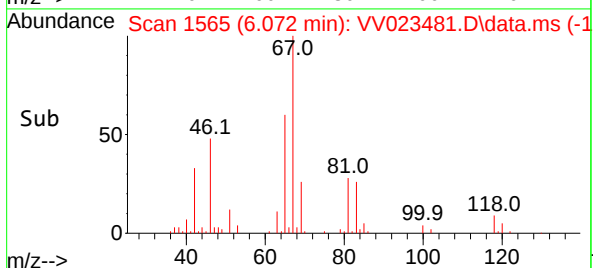
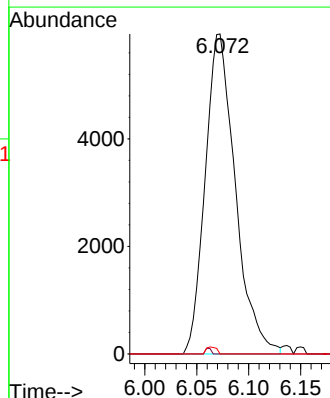
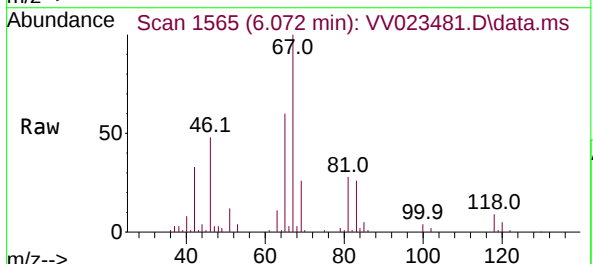
Instrument :
MSVOA_V
ClientSampleId :
BG1Y9

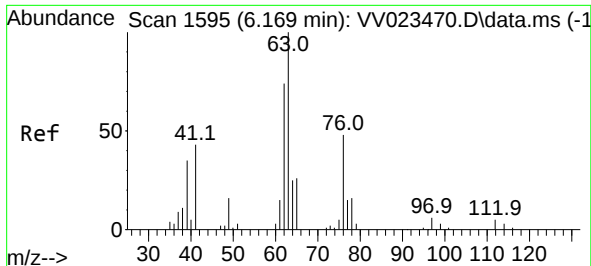
Tgt Ion: 95 Resp: 59235
Ion Ratio Lower Upper
95 100
97 65.2 45.0 83.6
132 105.3 69.7 129.4
130 113.3 73.7 136.9



#35
Methylcyclohexane
Concen: 0.860 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.054 min
Lab File: VV023481.D
Acq: 15 Nov 2021 14:43

Tgt Ion: 83 Resp: 12021
Ion Ratio Lower Upper
83 100
55 0.3 62.8 94.2#
98 0.7 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.716 ug/L

RT: 6.069 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV023481.D

Acq: 15 Nov 2021 14:43

Instrument :

MSVOA_V

ClientSampleId :

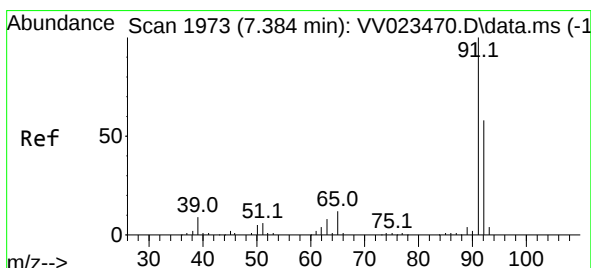
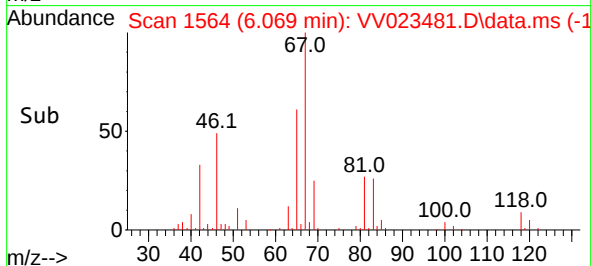
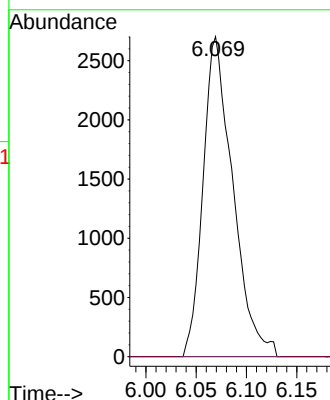
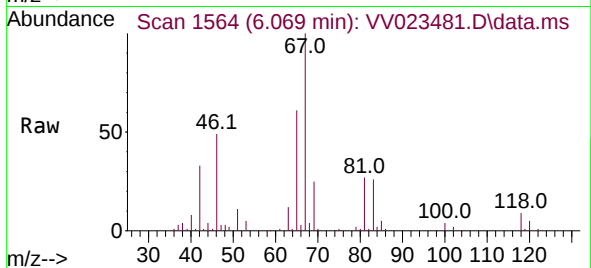
BG1Y9

Tgt Ion: 63 Resp: 5566

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#42

Toluene

Concen: 0.061 ug/L

RT: 7.404 min Scan# 1979

Delta R.T. 0.019 min

Lab File: VV023481.D

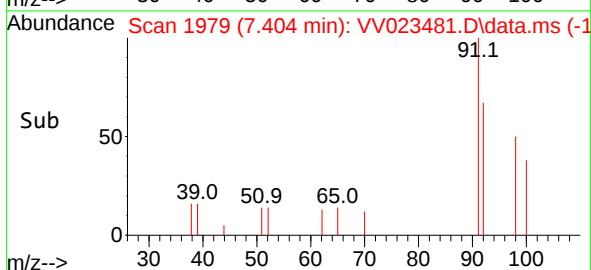
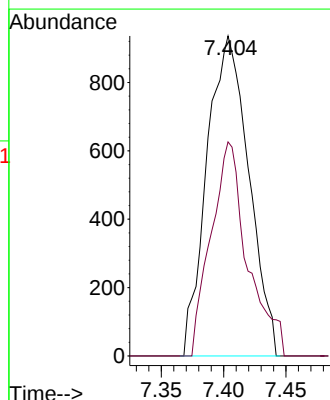
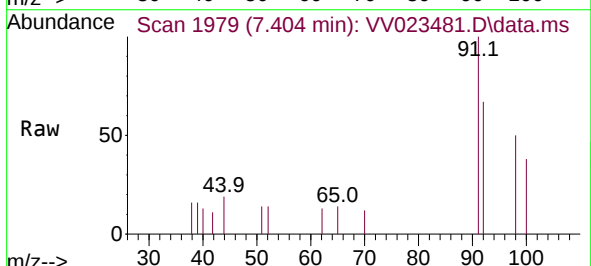
Acq: 15 Nov 2021 14:43

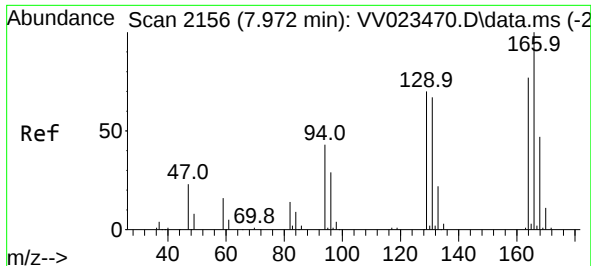
Tgt Ion: 91 Resp: 2187

Ion Ratio Lower Upper

91 100

92 66.9 39.3 72.9





#47

Tetrachloroethene

Concen: 2.567 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV023481.D

Acq: 15 Nov 2021 14:43

Instrument :

MSVOA_V

ClientSampleId :

BG1Y9

Tgt Ion:164 Resp: 19711

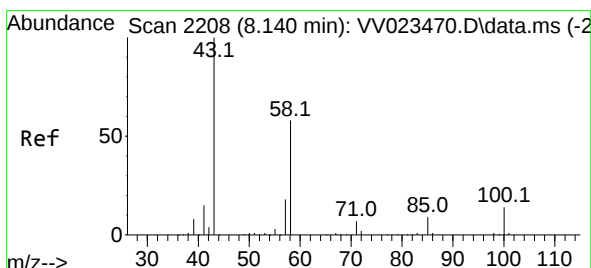
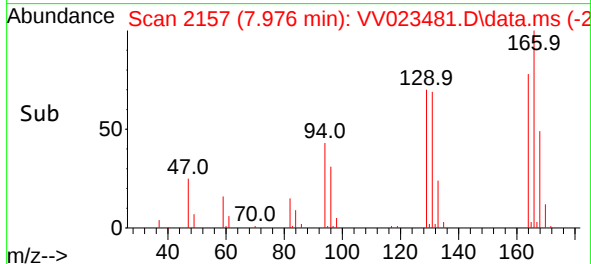
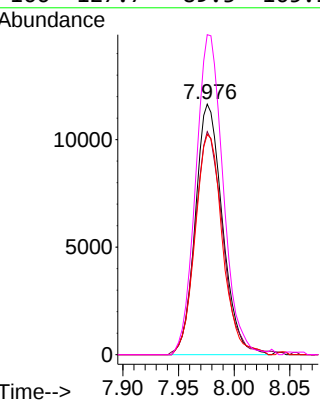
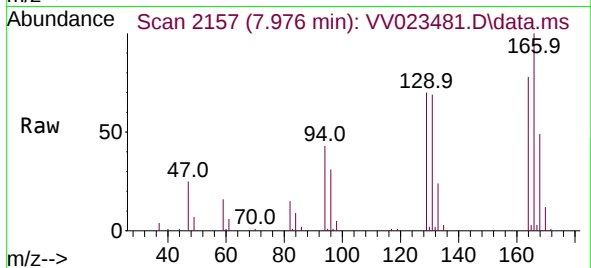
Ion Ratio Lower Upper

164 100

129 89.0 64.0 119.0

131 87.9 63.4 117.8

166 127.7 89.3 165.9



#48

2-Hexanone

Concen: 3.502 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VV023481.D

Acq: 15 Nov 2021 14:43

Tgt Ion: 43 Resp: 8852

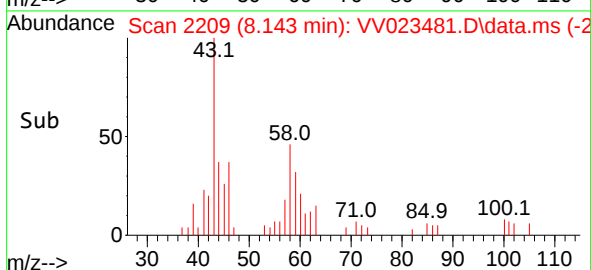
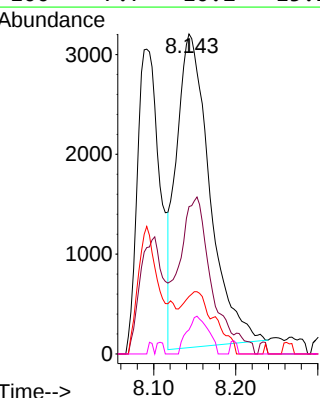
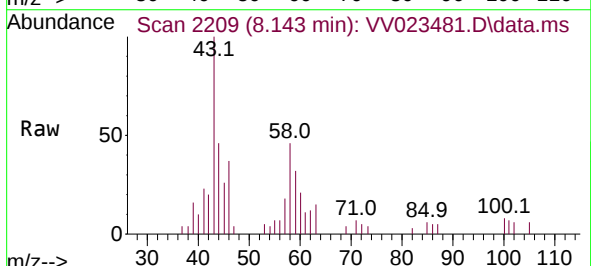
Ion Ratio Lower Upper

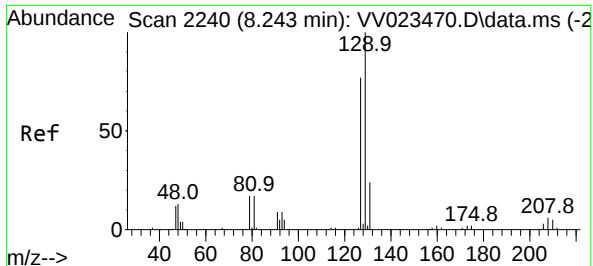
43 100

58 47.8 43.7 65.5

57 18.7 14.1 21.1

100 7.7 10.2 15.2#





#49

Dibromochloromethane

Concen: 2.541 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023481.D

Acq: 15 Nov 2021 14:43

Instrument :

MSVOA_V

ClientSampleId :

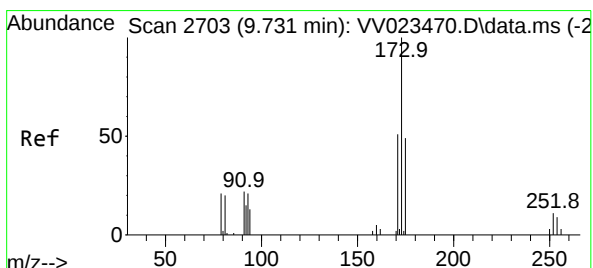
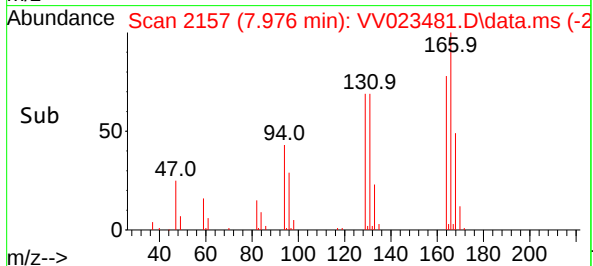
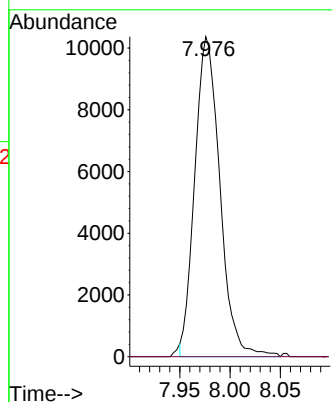
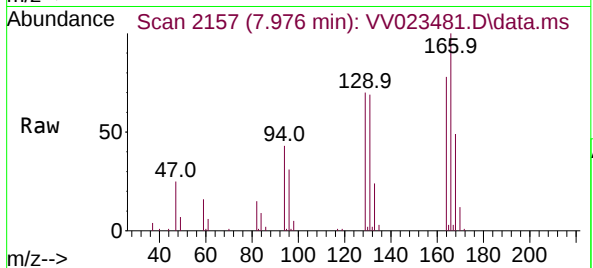
BG1Y9

Tgt Ion:129 Resp: 17992

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#59

Bromoform

Concen: 0.156 ug/L

RT: 9.741 min Scan# 2706

Delta R.T. 0.010 min

Lab File: VV023481.D

Acq: 15 Nov 2021 14:43

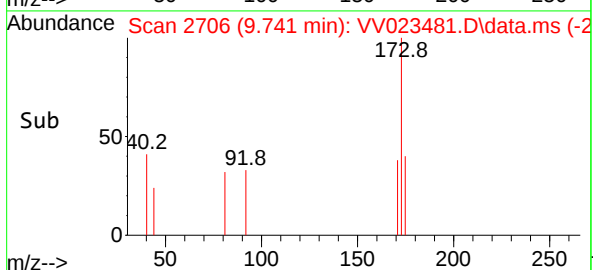
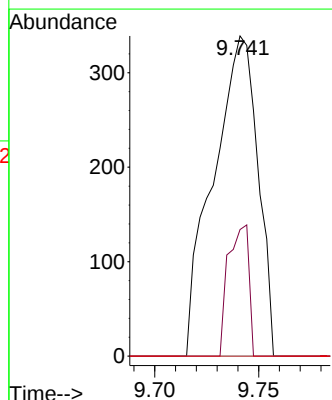
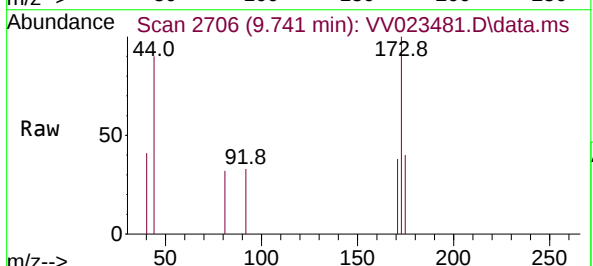
Tgt Ion:173 Resp: 505

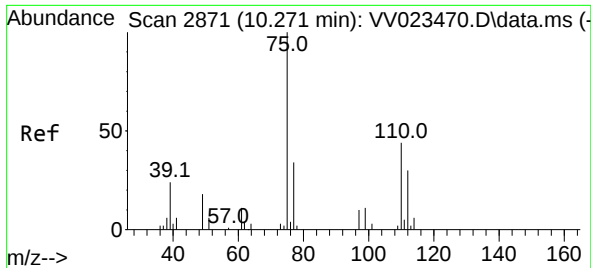
Ion Ratio Lower Upper

173 100

175 18.8 38.2 57.2#

254 0.0 6.2 9.2#





#61
 1,2,3-Trichloropropane
 Concen: 1.571 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.978 min
 Lab File: VV023481.D
 Acq: 15 Nov 2021 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 BG1Y9

Tgt Ion: 75 Resp: 5647
 Ion Ratio Lower Upper
 75 100
 77 34.9 26.6 39.8
 110 1.8 31.8 47.6#

