

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023504.D
 Acq On : 15 Nov 2021 23:56
 Operator : SY/MD
 Sample : M4617-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG218

Quant Time: Nov 16 05:16:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 02:06:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	126895	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	125410	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55474	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	40266	5.065	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.400%
7) Chloroethane-d5	1.571	69	33330	5.144	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.111	63	60055	4.035	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.800%
20) 2-Butanone-d5	3.899	46	68183	49.785	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.560%
24) Chloroform-d	4.352	84	77711	4.587	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.034	65	36694	4.817	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.053	84	151137	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.072	67	45953	4.851	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.317	98	132987	4.410	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.625	79	15725	4.378	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.091	63	46283	35.023	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.040%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	26975	3.960	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	49557	5.365	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	8059	0.651	ug/L	97
9) Trichlorofluoromethane	1.754	101	2655566	168.213	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	40247	5.064	ug/L	96
12) 1,1-Dichloroethene	2.121	96	8128	1.074	ug/L #	1
16) Methylene chloride	2.510	84	5683	0.515	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	51438	3.088	ug/L	96
19) 1,1-Dichloroethane	3.195	63	42781	2.724	ug/L	98
22) cis-1,2-Dichloroethene	3.918	96	8353	0.933	ug/L #	97
25) Chloroform	4.381	83	12732	0.761	ug/L	93
29) 1,1,1-Trichloroethane	4.616	97	3379	0.222	ug/L #	35
31) Carbon tetrachloride	4.838	117	5077	0.371	ug/L	94
34) Trichloroethene	5.912	95	256721	27.541	ug/L	99
35) Methylcyclohexane	6.072	83	11539	0.784	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	5833	0.713	ug/L #	83
39) cis-1,3-Dichloropropene	6.985	75	1059	0.090	ug/L #	39
42) Toluene	7.410	91	2285	0.061	ug/L	90
47) Tetrachloroethene	7.979	164	6348	0.786	ug/L	94
48) 2-Hexanone	8.146	43	8898	3.346	ug/L #	78
49) Dibromochloromethane	7.976	129	5422	0.728	ug/L #	10

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 16 02:06:43 2021
Response via : Initial Calibration

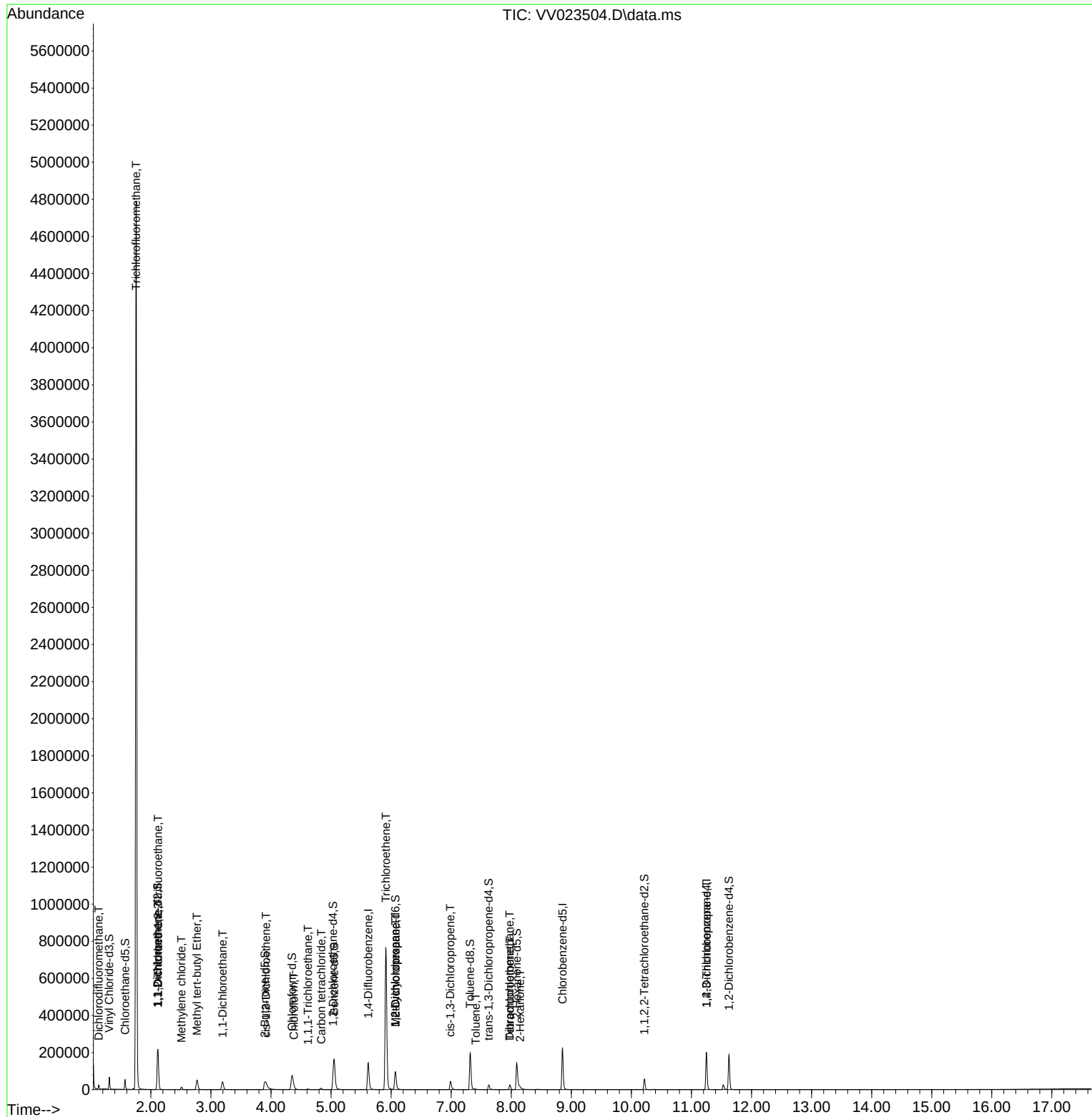
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	5761	1.563	ug/L	# 66

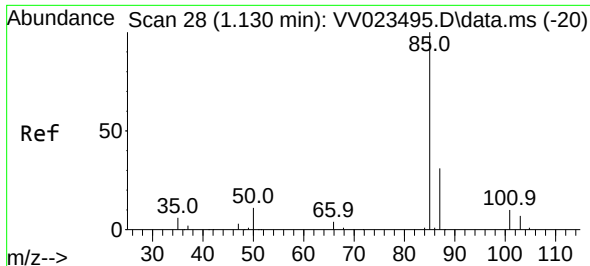
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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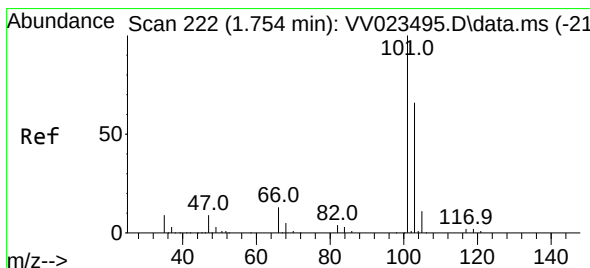
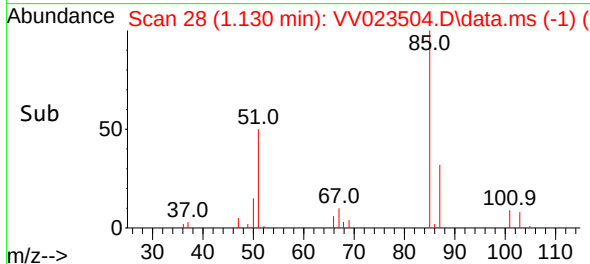
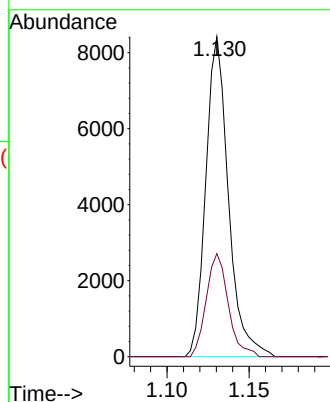
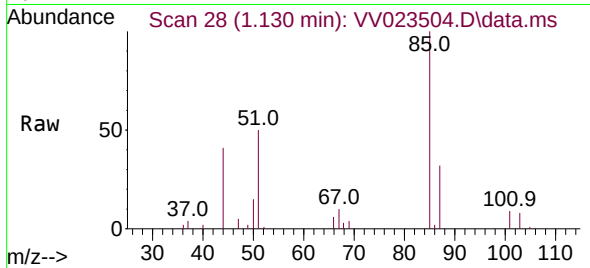




#2
 Dichlorodifluoromethane
 Concen: 0.651 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV023504.D
 Acq: 15 Nov 2021 23:56

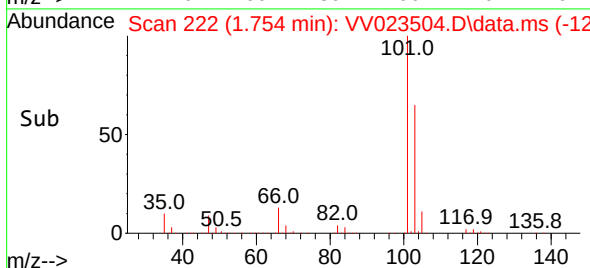
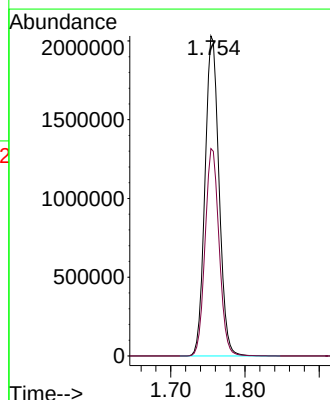
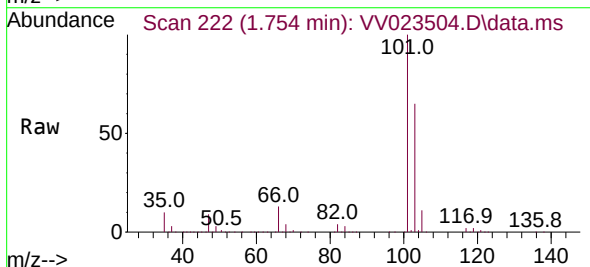
Instrument :
 MSVOA_V
 ClientSampleId :
 BG218

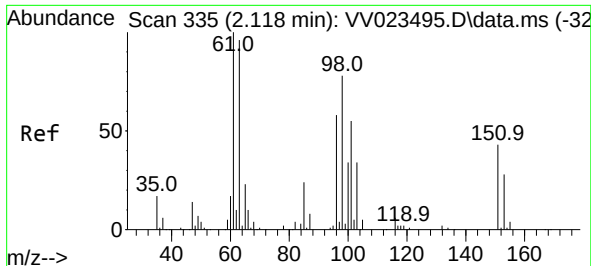
Tgt Ion: 85 Resp: 8059
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.6 39.8



#9
 Trichlorofluoromethane
 Concen: 168.213 ug/L
 RT: 1.754 min Scan# 222
 Delta R.T. -0.000 min
 Lab File: VV023504.D
 Acq: 15 Nov 2021 23:56

Tgt Ion:101 Resp: 2655566
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 79.0

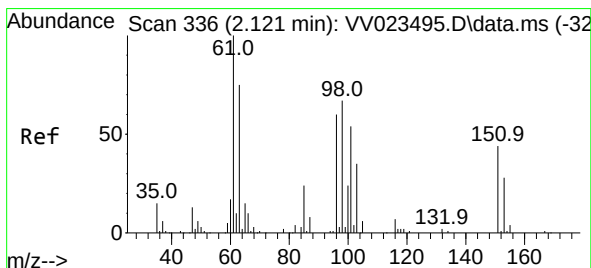
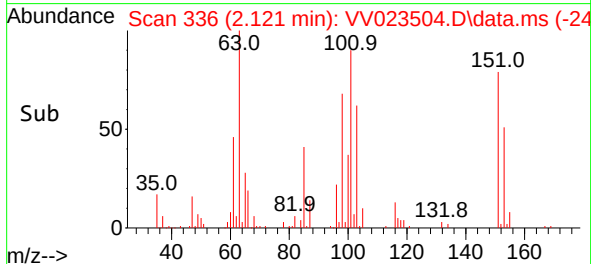
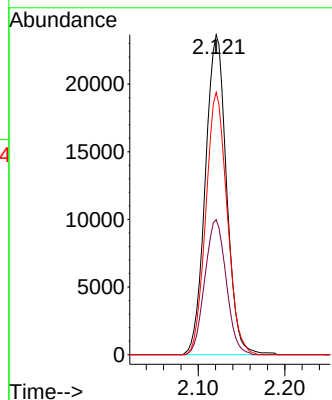
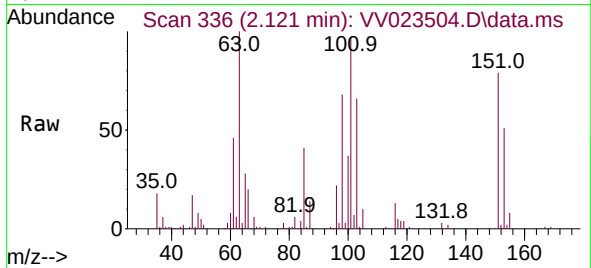




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.064 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV023504.D
 Acq: 15 Nov 2021 23:56

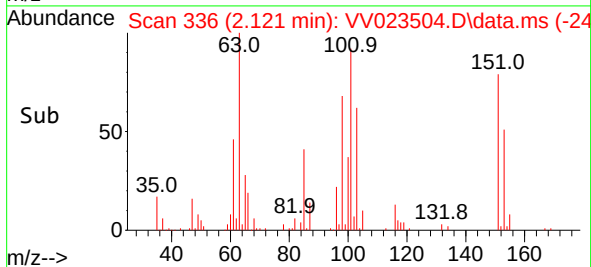
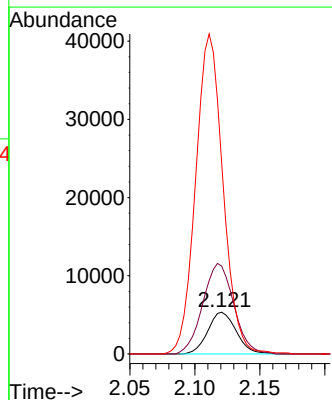
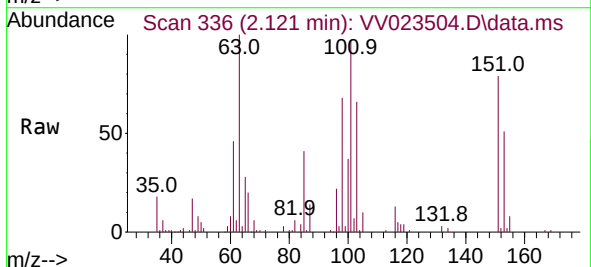
Instrument :
 MSVOA_V
 ClientSampleId :
 BG218

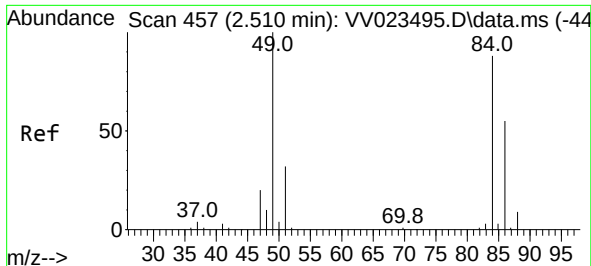
Tgt Ion:101 Resp: 40247
 Ion Ratio Lower Upper
 101 100
 85 42.5 35.3 52.9
 151 82.1 62.2 93.2



#12
 1,1-Dichloroethene
 Concen: 1.074 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. -0.000 min
 Lab File: VV023504.D
 Acq: 15 Nov 2021 23:56

Tgt Ion: 96 Resp: 8128
 Ion Ratio Lower Upper
 96 100
 61 210.5 121.5 225.7
 63 459.0 99.6 185.0#

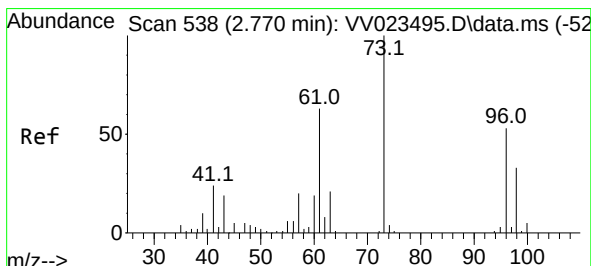
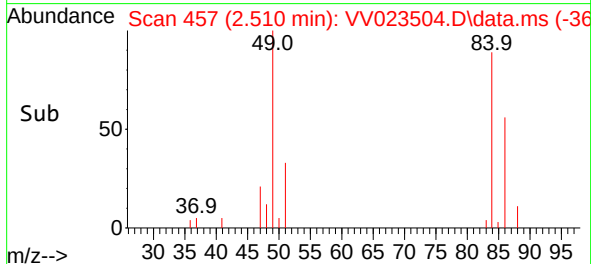
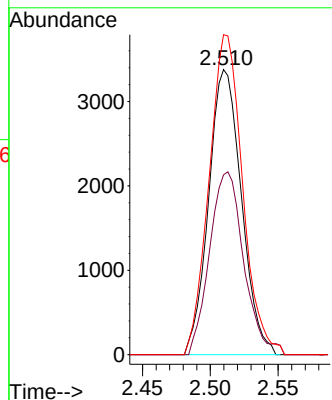
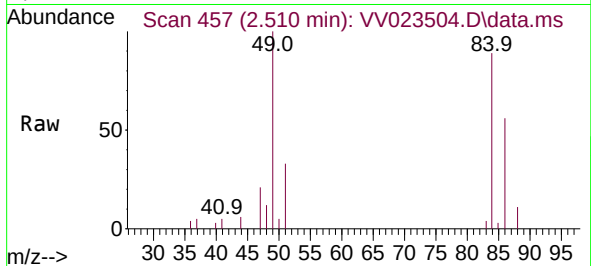




#16
Methylene chloride
Concen: 0.515 ug/L
RT: 2.510 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV023504.D
Acq: 15 Nov 2021 23:56

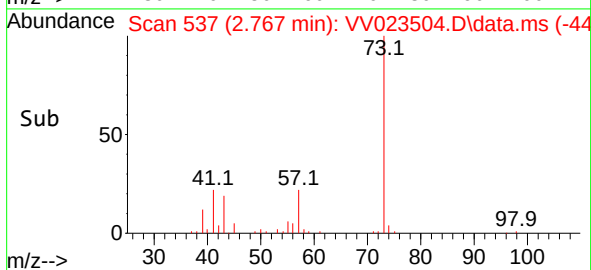
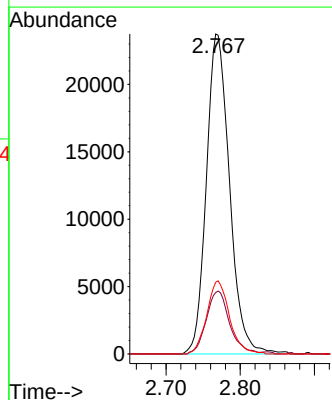
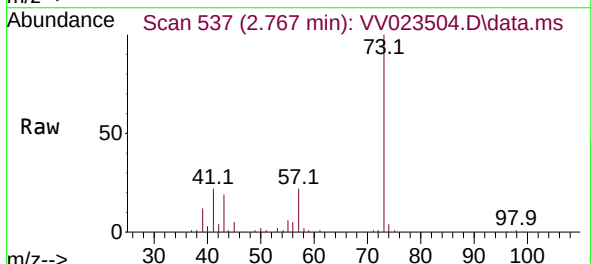
Instrument :
MSVOA_V
ClientSampleId :
BG218

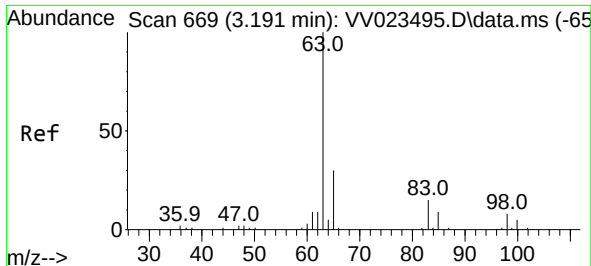
Tgt Ion: 84 Resp: 5683
Ion Ratio Lower Upper
84 100
86 63.1 42.3 78.5
49 112.2 79.7 148.1



#17
Methyl tert-butyl Ether
Concen: 3.088 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.003 min
Lab File: VV023504.D
Acq: 15 Nov 2021 23:56

Tgt Ion: 73 Resp: 51438
Ion Ratio Lower Upper
73 100
43 19.8 17.4 26.0
57 22.4 16.5 24.7





#19

1,1-Dichloroethane

Concen: 2.724 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV023504.D

Acq: 15 Nov 2021 23:56

Instrument :

MSVOA_V

ClientSampleId :

BG218

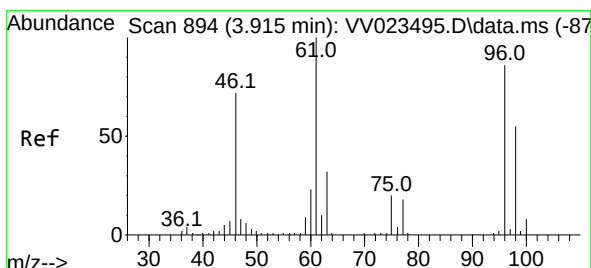
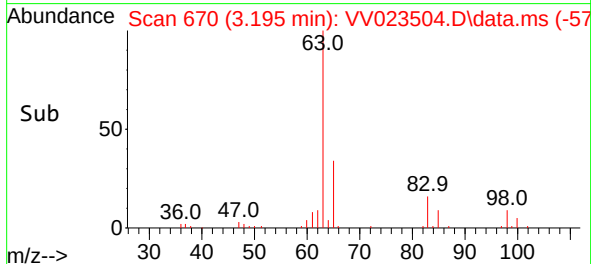
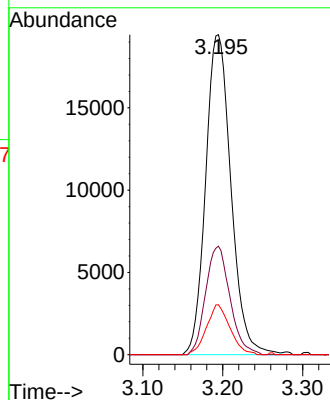
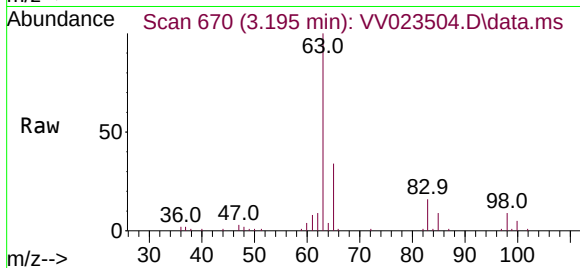
Tgt Ion: 63 Resp: 42781

Ion Ratio Lower Upper

63 100

65 33.9 22.6 42.0

83 15.6 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 0.933 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.003 min

Lab File: VV023504.D

Acq: 15 Nov 2021 23:56

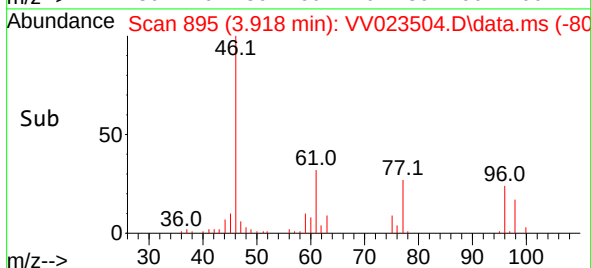
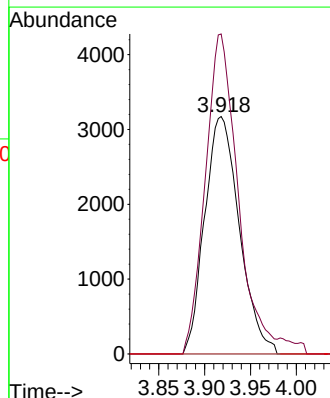
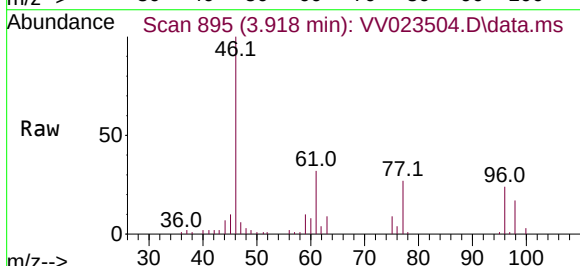
Tgt Ion: 96 Resp: 8353

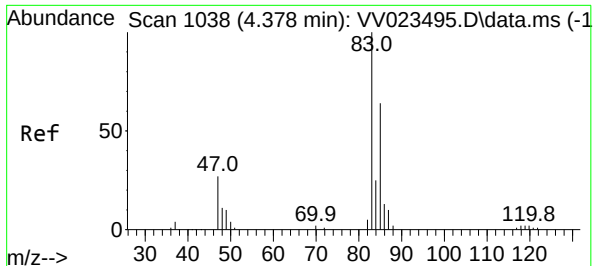
Ion Ratio Lower Upper

96 100

61 134.8 92.3 171.3

68 0.0 0.4 0.8#





#25

Chloroform

Concen: 0.761 ug/L

RT: 4.381 min Scan# 1111

Delta R.T. 0.003 min

Lab File: VV023504.D

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ClientSampleId :

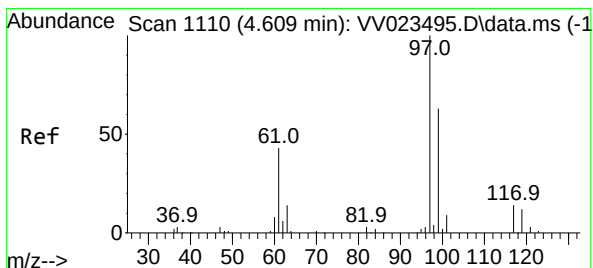
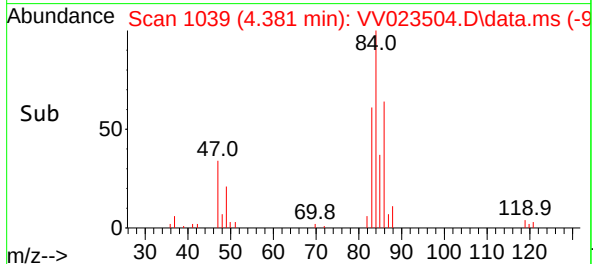
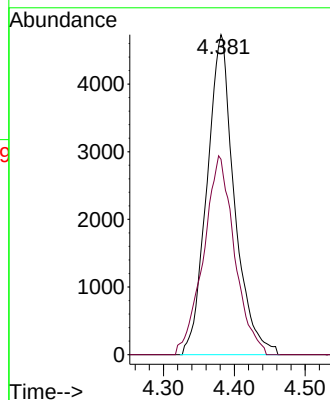
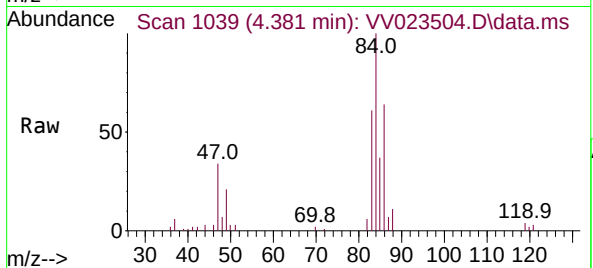
BG218

Tgt Ion: 83 Resp: 12732

Ion Ratio Lower Upper

83 100

85 61.1 46.8 86.8



#29

1,1,1-Trichloroethane

Concen: 0.222 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. 0.006 min

Lab File: VV023504.D

Acq: 15 Nov 2021 23:56

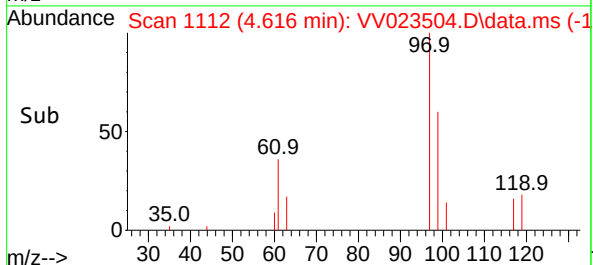
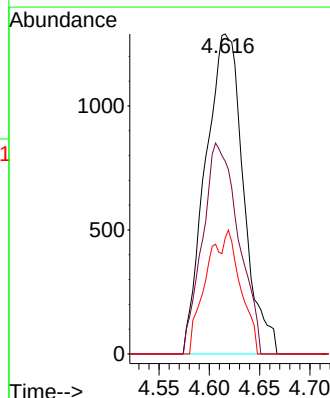
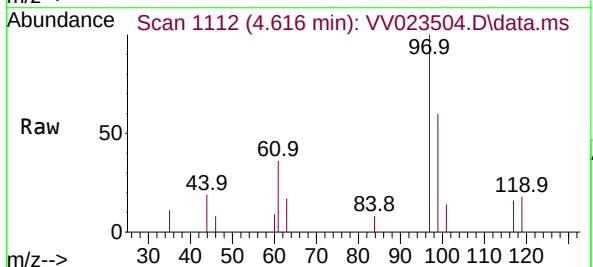
Tgt Ion: 97 Resp: 3379

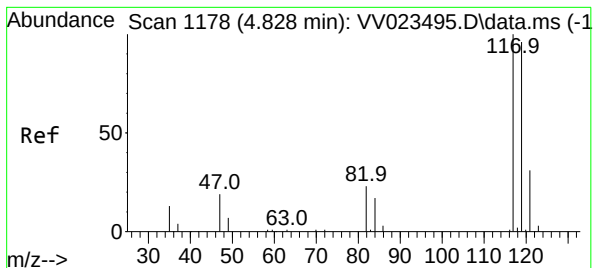
Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

61 17.2 34.1 51.1#





#31

Carbon tetrachloride

Concen: 0.371 ug/L

RT: 4.838 min Scan# 1178

Delta R.T. 0.010 min

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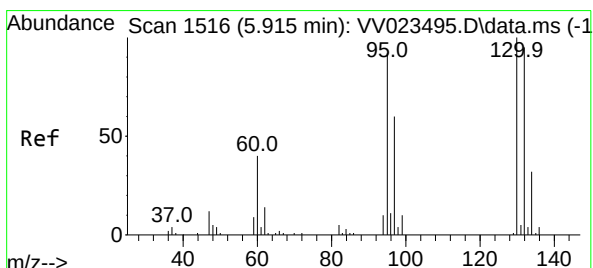
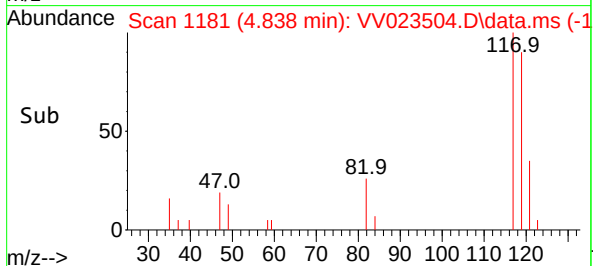
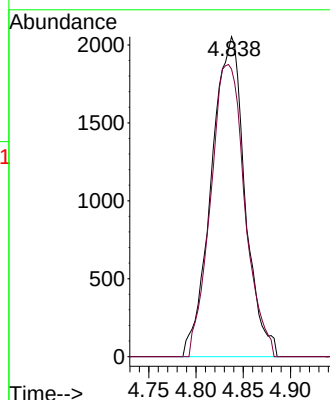
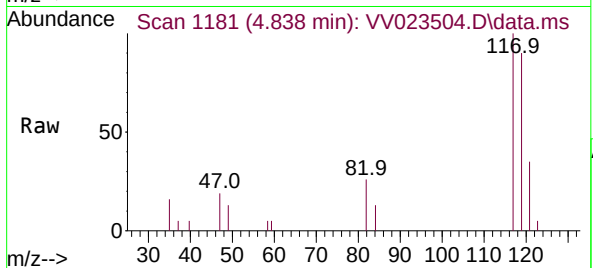
BG218

Tgt Ion:117 Resp: 5077

Ion Ratio Lower Upper

117 100

119 92.8 78.8 118.2



#34

Trichloroethene

Concen: 27.541 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. -0.003 min

Lab File: VV023504.D

Acq: 15 Nov 2021 23:56

Tgt Ion: 95 Resp: 256721

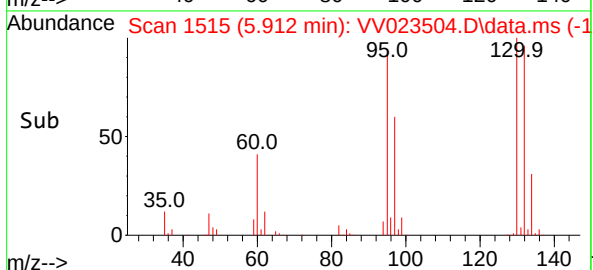
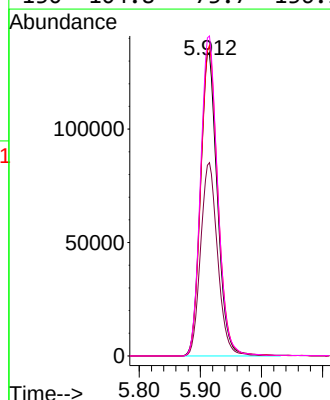
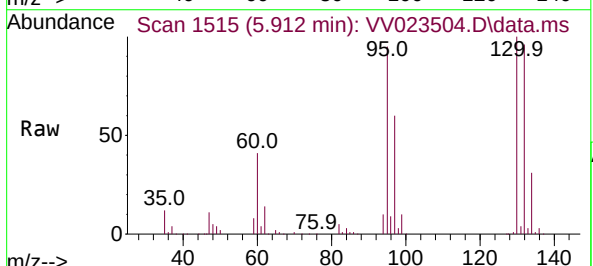
Ion Ratio Lower Upper

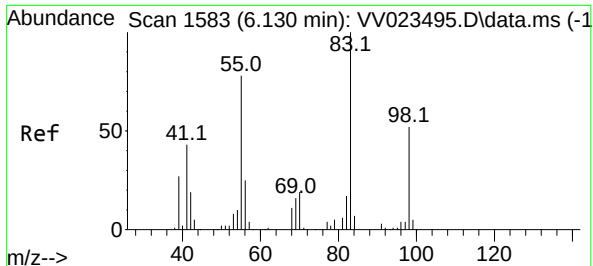
95 100

97 62.9 45.0 83.6

132 100.3 69.7 129.4

130 104.8 73.7 136.9





#35

Methylcyclohexane

Concen: 0.784 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.058 min

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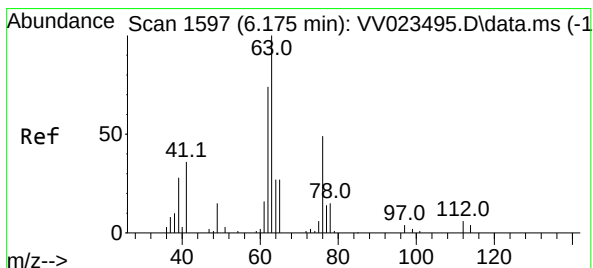
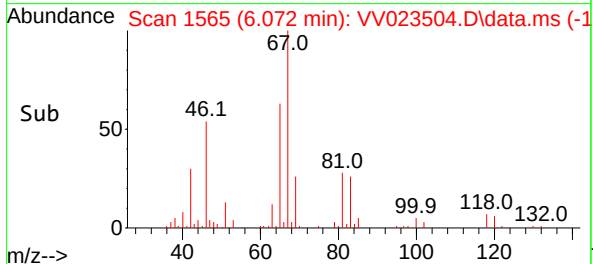
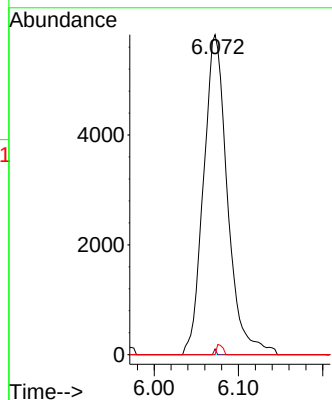
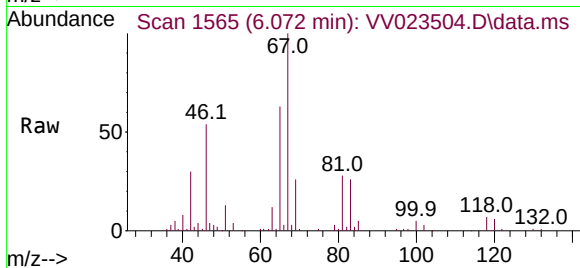
Tgt Ion: 83 Resp: 11539

Ion Ratio Lower Upper

83 100

55 0.2 62.8 94.2#

98 0.0 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.713 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.103 min

Lab File: VV023504.D

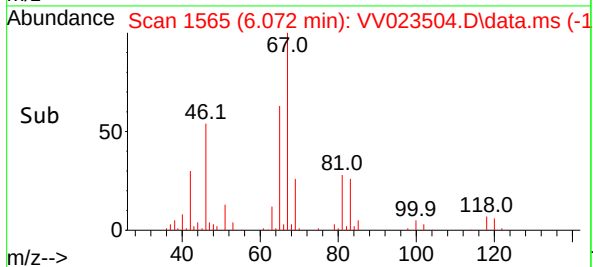
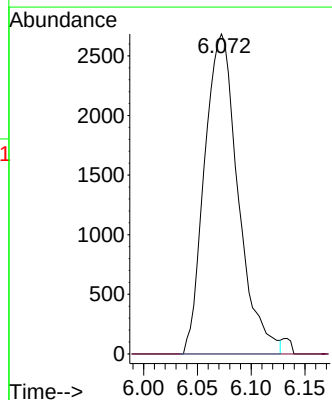
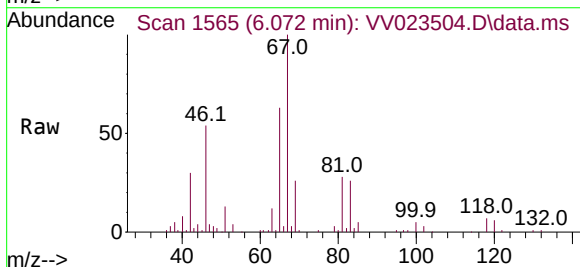
Acq: 15 Nov 2021 23:56

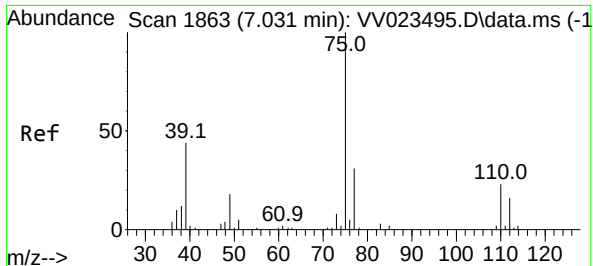
Tgt Ion: 63 Resp: 5833

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV023504.D

Acq: 15 Nov 2021 23:56

Instrument :

MSVOA_V

ClientSampleId :

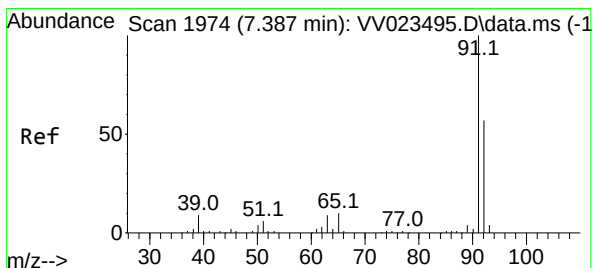
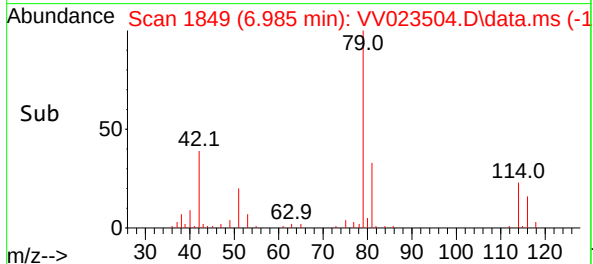
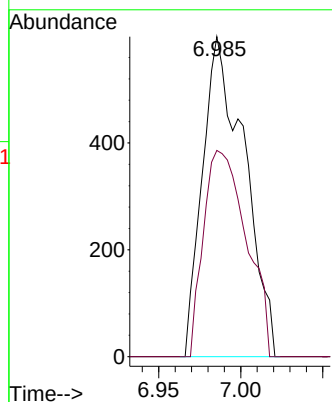
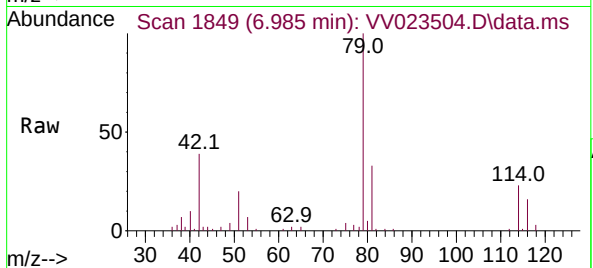
BG218

Tgt Ion: 75 Resp: 1059

Ion Ratio Lower Upper

75 100

77 64.4 21.6 40.2#



#42

Toluene

Concen: 0.061 ug/L

RT: 7.410 min Scan# 1981

Delta R.T. 0.022 min

Lab File: VV023504.D

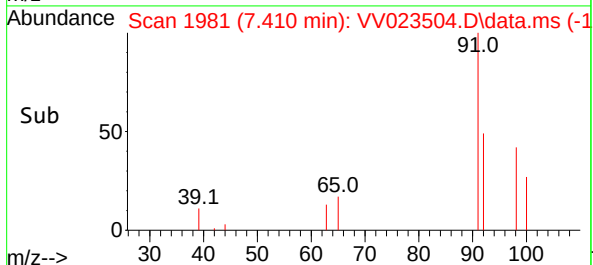
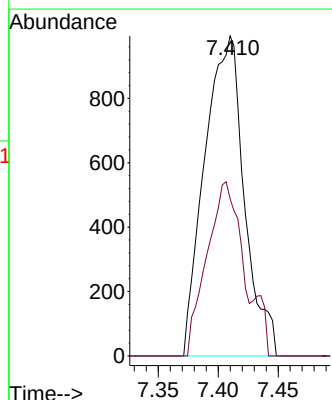
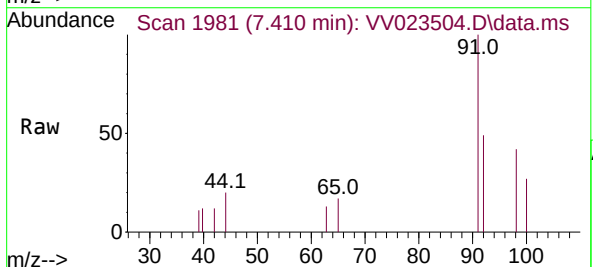
Acq: 15 Nov 2021 23:56

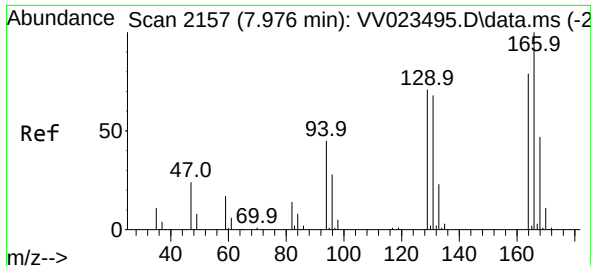
Tgt Ion: 91 Resp: 2285

Ion Ratio Lower Upper

91 100

92 49.1 39.3 72.9





#47

Tetrachloroethene

Concen: 0.786 ug/L

RT: 7.979 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV023504.D

Acq: 15 Nov 2021 23:56

Instrument :

MSVOA_V

ClientSampleId :

BG218

Tgt Ion:164 Resp: 6348

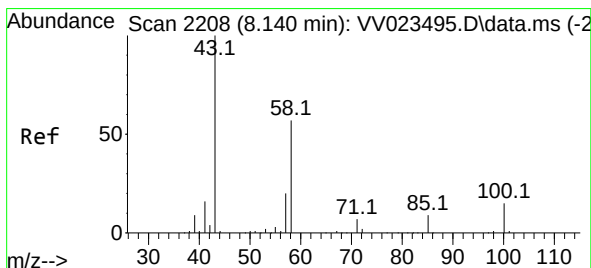
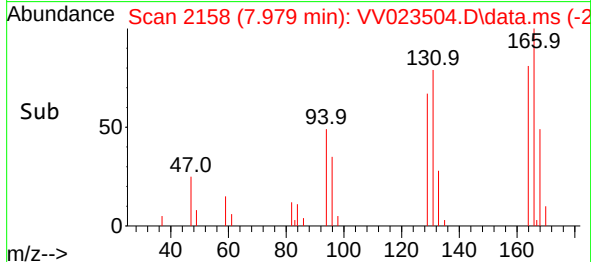
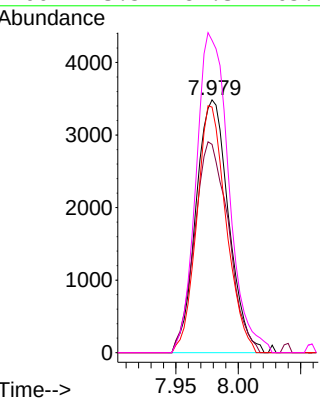
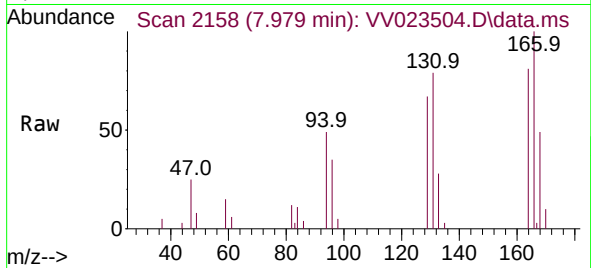
Ion Ratio Lower Upper

164 100

129 82.4 64.0 119.0

131 97.2 63.4 117.8

166 123.5 89.3 165.9



#48

2-Hexanone

Concen: 3.346 ug/L

RT: 8.146 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VV023504.D

Acq: 15 Nov 2021 23:56

Tgt Ion: 43 Resp: 8898

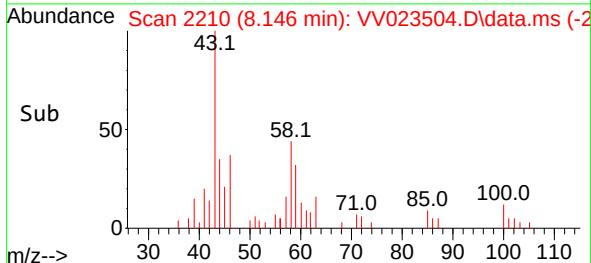
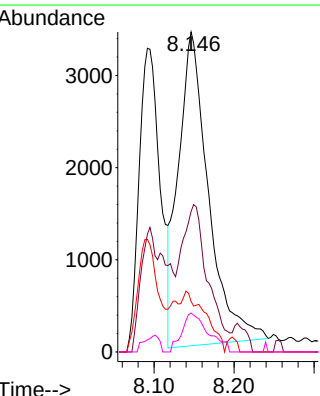
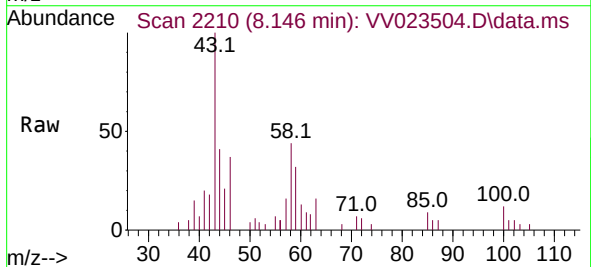
Ion Ratio Lower Upper

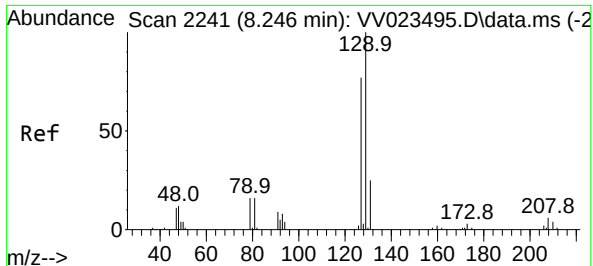
43 100

58 31.7 43.7 65.5#

57 15.7 14.1 21.1

100 10.9 10.2 15.2





#49

Dibromochloromethane

Concen: 0.728 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV023504.D

Acq: 15 Nov 2021 23:56

Instrument :

MSVOA_V

ClientSampleId :

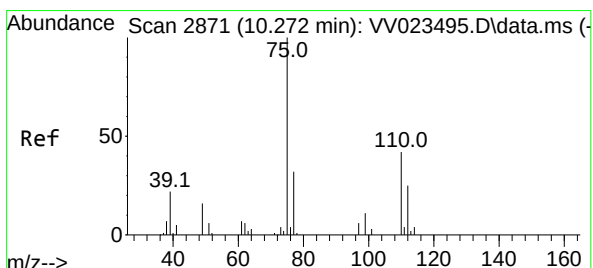
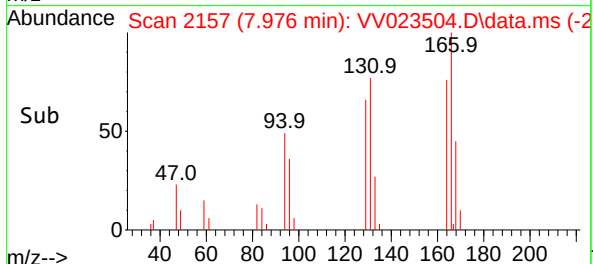
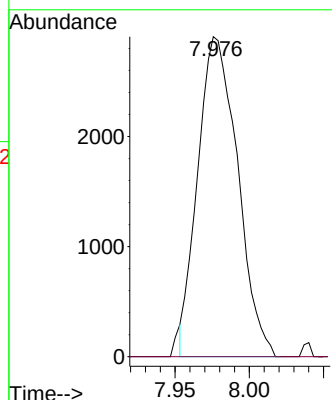
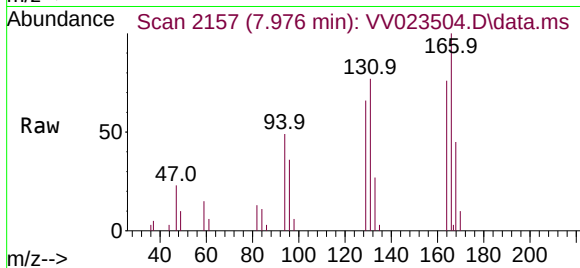
BG218

Tgt Ion:129 Resp: 5422

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.563 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023504.D

Acq: 15 Nov 2021 23:56

Tgt Ion: 75 Resp: 5761

Ion Ratio Lower Upper

75 100

77 32.0 26.6 39.8

110 2.5 31.8 47.6#

