

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023489.D
 Acq On : 15 Nov 2021 17:54
 Operator : SY/MD
 Sample : M4617-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG223

Quant Time: Nov 16 00:34:25 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	119702	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	120330	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	52963	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	40055	5.341	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.800%
7) Chloroethane-d5	1.568	69	31614	5.173	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.400%
11) 1,1-Dichloroethene-d2	2.108	63	59519	4.240	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	3.892	46	68808	53.260	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.520%
24) Chloroform-d	4.349	84	75733	4.739	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.034	65	36619	5.096	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	5.053	84	147180	4.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.069	67	44185	4.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.317	98	127140	4.394	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	7.625	79	15142	4.394	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.092	63	43584	34.373	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.740%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	26493	4.053	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	47627	5.401	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	600	0.060	ug/L	82
9) Trichlorofluoromethane	1.754	101	12876	0.865	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	777	0.104	ug/L #	22
12) 1,1-Dichloroethene	2.121	96	8708	1.220	ug/L #	14
13) Acetone	2.182	43	869	1.101	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	9883	0.629	ug/L	96
19) 1,1-Dichloroethane	3.191	63	27486	1.855	ug/L	96
22) cis-1,2-Dichloroethene	3.921	96	608	0.072	ug/L #	73
25) Chloroform	4.381	83	14595	0.924	ug/L	94
29) 1,1,1-Trichloroethane	4.609	97	5560	0.380	ug/L	94
34) Trichloroethene	5.918	95	13422	1.501	ug/L	96
35) Methylcyclohexane	6.069	83	11312	0.801	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	5090	0.648	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1221	0.108	ug/L #	70
45) 1,1,2-Trichloroethane	7.850	97	396	0.070	ug/L #	75
47) Tetrachloroethene	7.979	164	5404	0.697	ug/L	96
48) 2-Hexanone	8.143	43	7739	3.033	ug/L #	98
49) Dibromochloromethane	7.979	129	4100	0.574	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	5456	1.551	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 16 00:29:25 2021
Response via : Initial Calibration

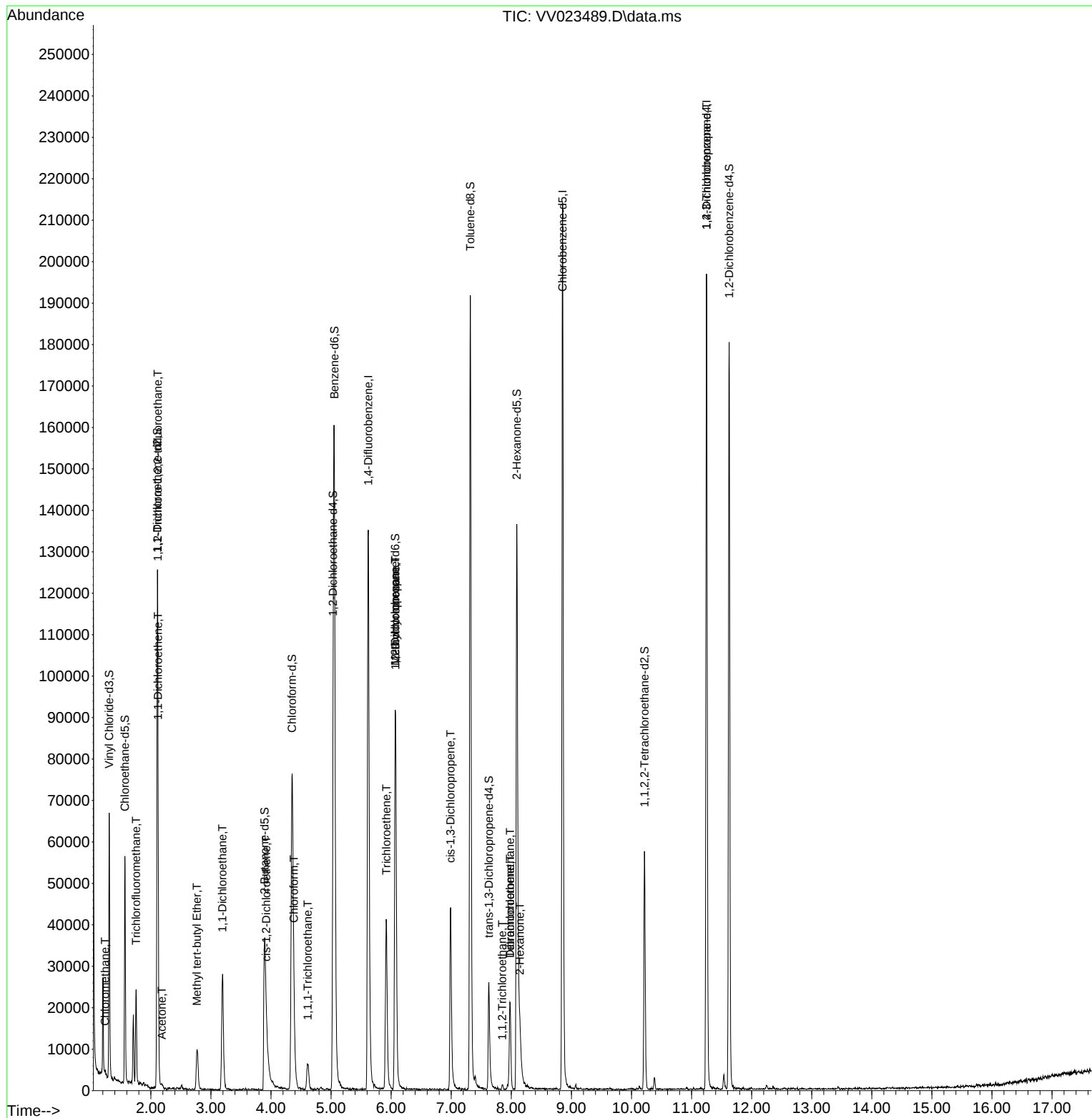
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

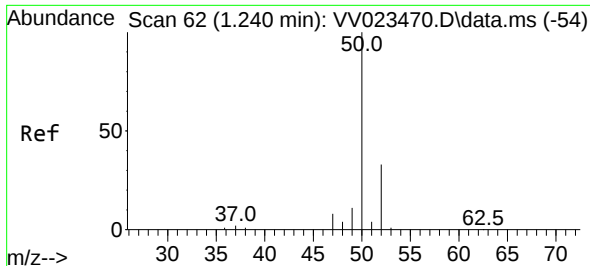
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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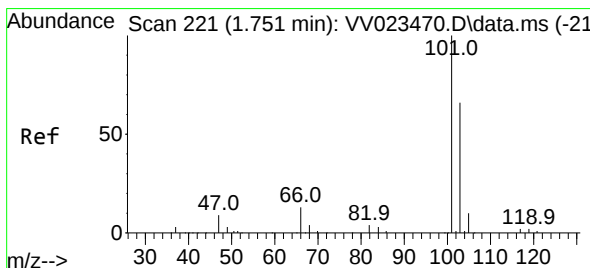
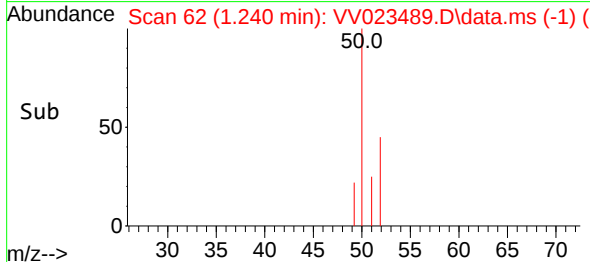
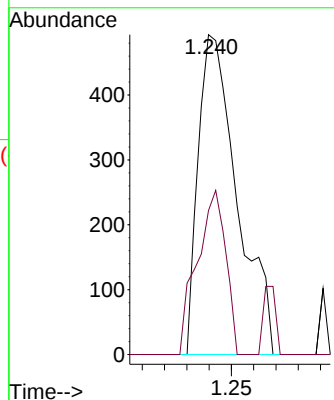
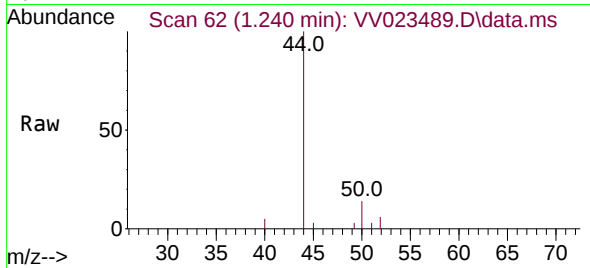




#3
Chloromethane
Concen: 0.060 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023489.D
Acq: 15 Nov 2021 17:54

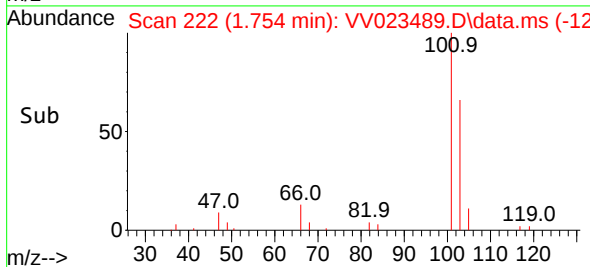
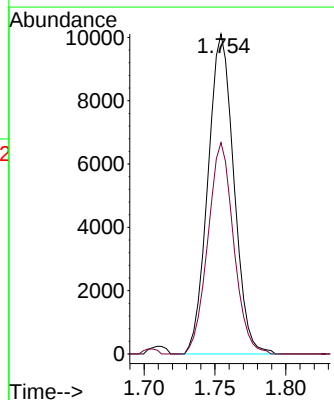
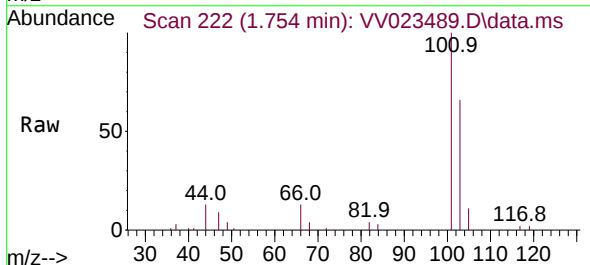
Instrument :
MSVOA_V
ClientSampleId :
BG223

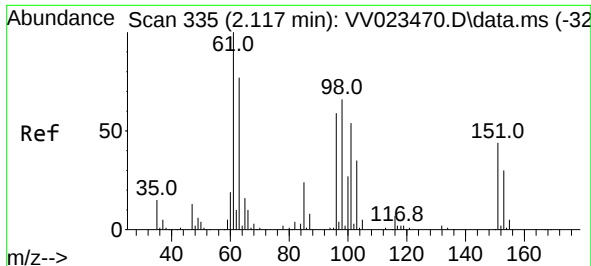
Tgt Ion: 50 Resp: 600
Ion Ratio Lower Upper
50 100
52 45.0 24.3 45.1



#9
Trichlorofluoromethane
Concen: 0.865 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV023489.D
Acq: 15 Nov 2021 17:54

Tgt Ion: 101 Resp: 12876
Ion Ratio Lower Upper
101 100
103 65.6 52.6 79.0

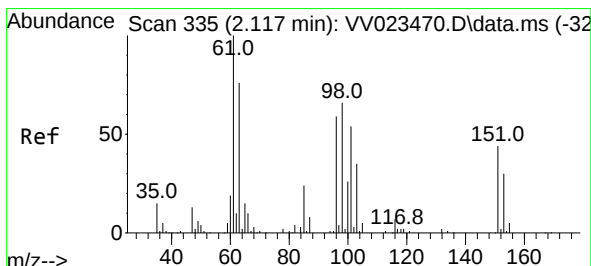
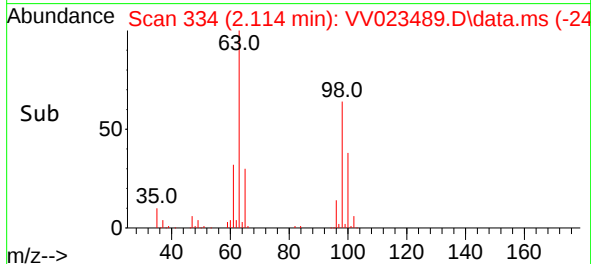
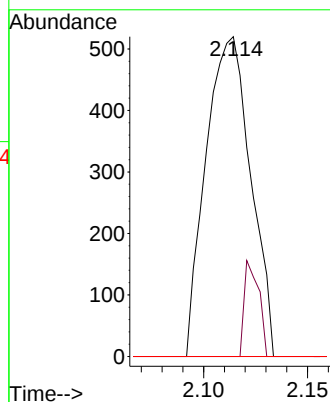
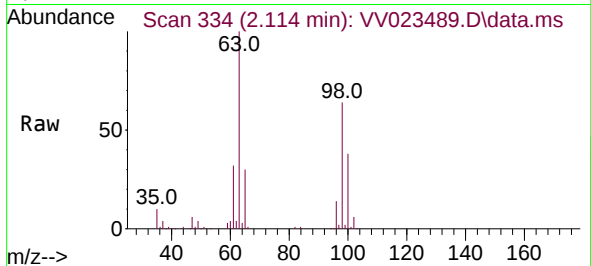




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.104 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV023489.D
Acq: 15 Nov 2021 17:54

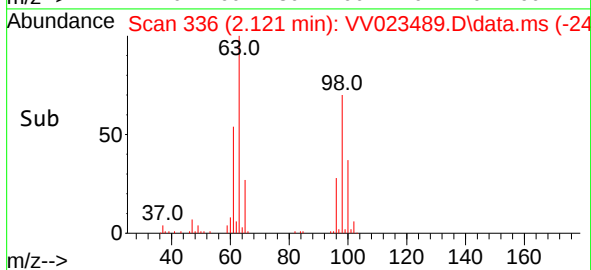
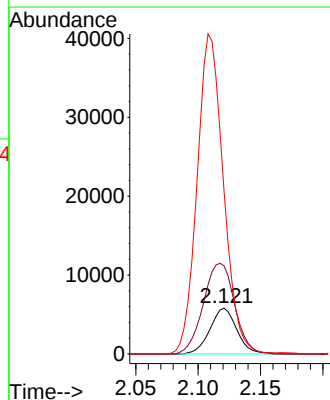
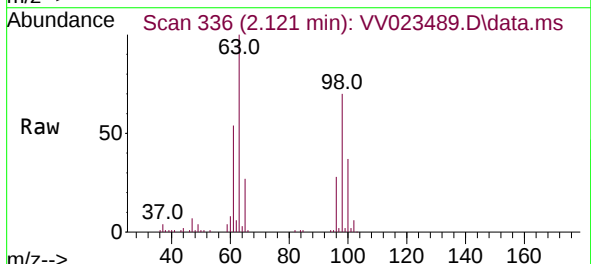
Instrument :
MSVOA_V
ClientSampleId :
BG223

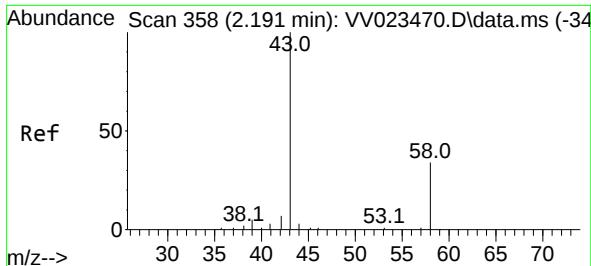
Tgt Ion:101 Resp: 777
Ion Ratio Lower Upper
101 100
85 7.1 35.3 52.9#
151 0.0 62.2 93.2#



#12
1,1-Dichloroethene
Concen: 1.220 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV023489.D
Acq: 15 Nov 2021 17:54

Tgt Ion: 96 Resp: 8708
Ion Ratio Lower Upper
96 100
61 192.4 121.5 225.7
63 355.9 99.6 185.0#





#13

Acetone

Concen: 1.101 ug/L

RT: 2.182 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :

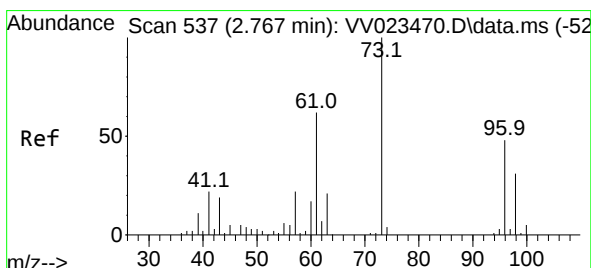
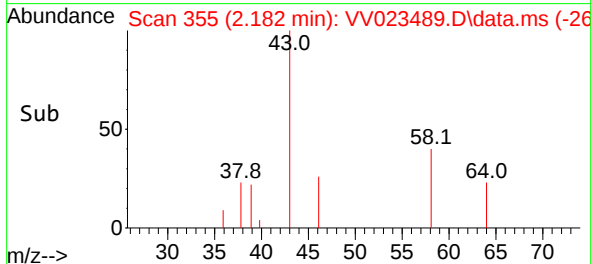
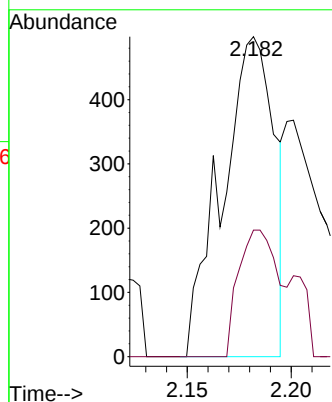
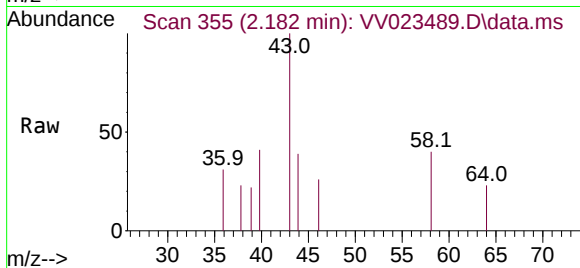
BG223

Tgt Ion: 43 Resp: 869

Ion Ratio Lower Upper

43 100

58 30.4 0.0 55.4



#17

Methyl tert-butyl Ether

Concen: 0.629 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.000 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

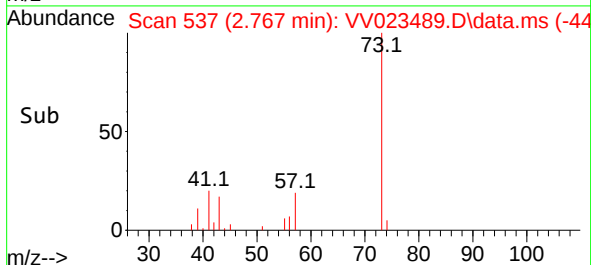
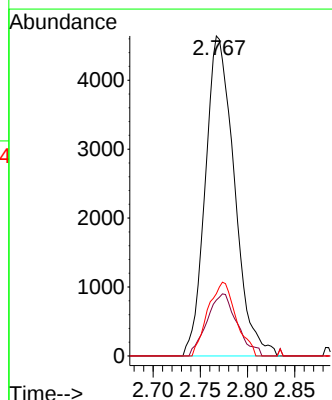
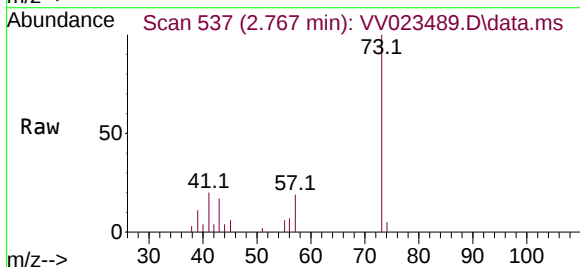
Tgt Ion: 73 Resp: 9883

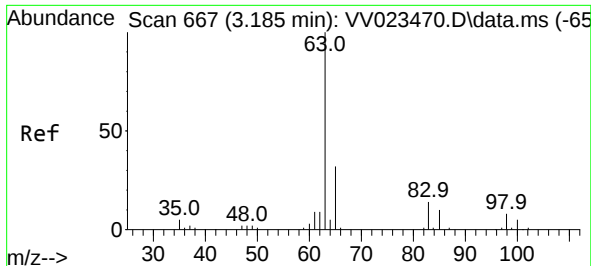
Ion Ratio Lower Upper

73 100

43 20.1 17.4 26.0

57 22.4 16.5 24.7





#19

1,1-Dichloroethane

Concen: 1.855 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.007 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :

BG223

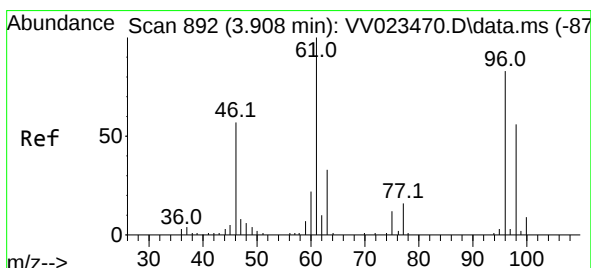
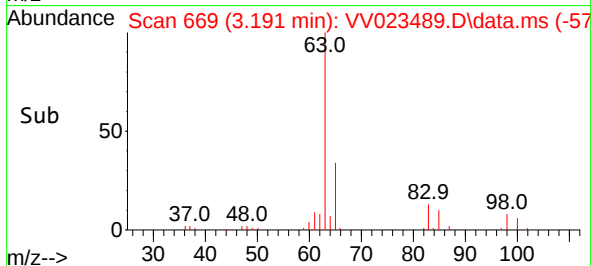
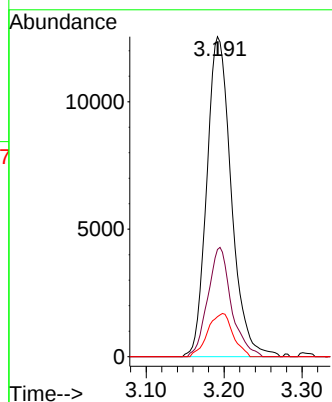
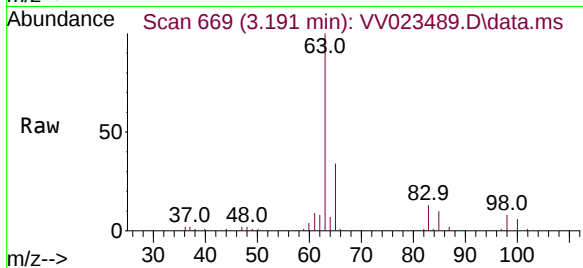
Tgt Ion: 63 Resp: 27486

Ion Ratio Lower Upper

63 100

65 33.5 22.6 42.0

83 12.5 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 0.072 ug/L

RT: 3.921 min Scan# 896

Delta R.T. 0.013 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

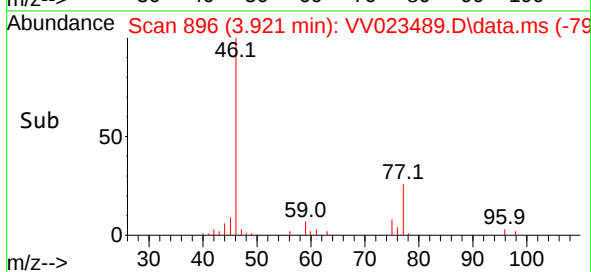
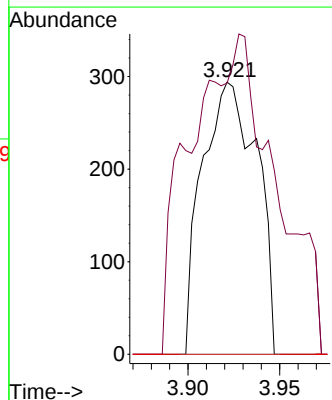
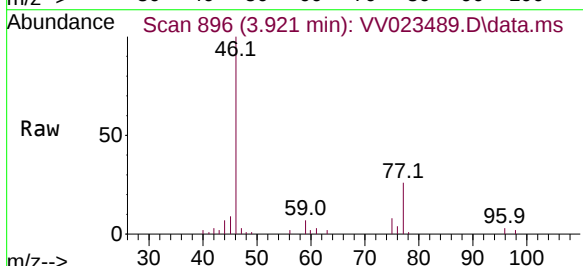
Tgt Ion: 96 Resp: 608

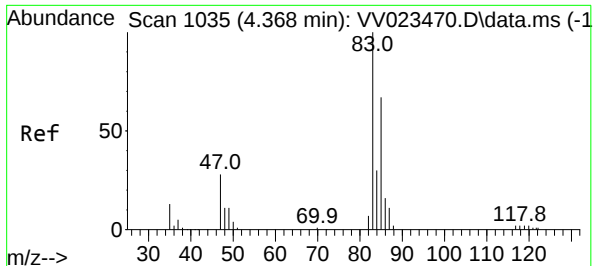
Ion Ratio Lower Upper

96 100

61 99.7 92.3 171.3

68 0.0 0.4 0.8#





#25

Chloroform

Concen: 0.924 ug/L

RT: 4.381 min Scan# 1109

Delta R.T. 0.013 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

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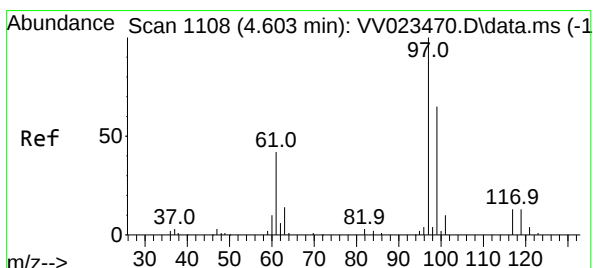
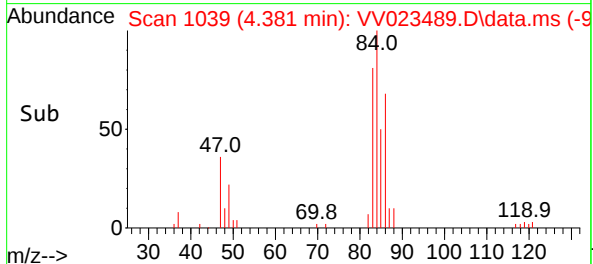
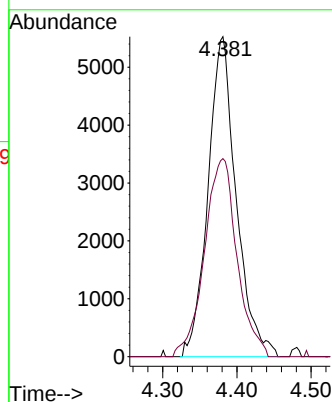
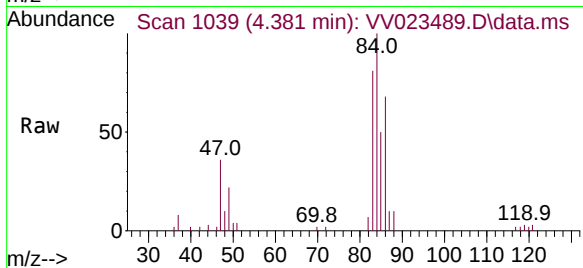
BG223

Tgt Ion: 83 Resp: 14595

Ion Ratio Lower Upper

83 100

85 61.9 46.8 86.8



#29

1,1,1-Trichloroethane

Concen: 0.380 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.007 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

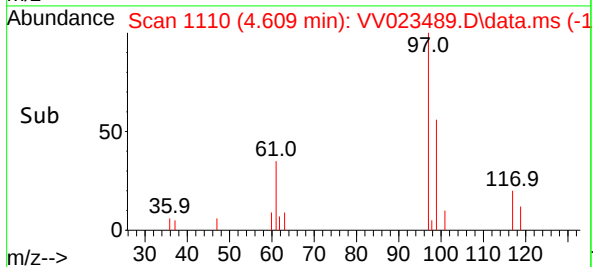
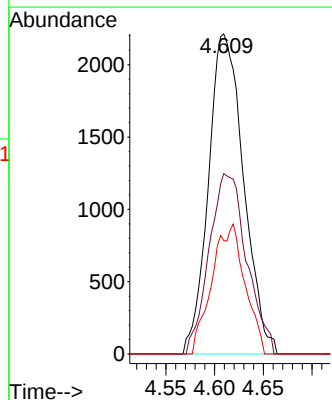
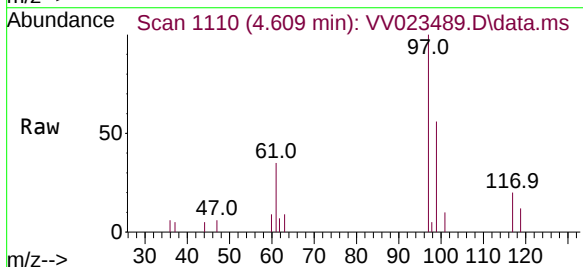
Tgt Ion: 97 Resp: 5560

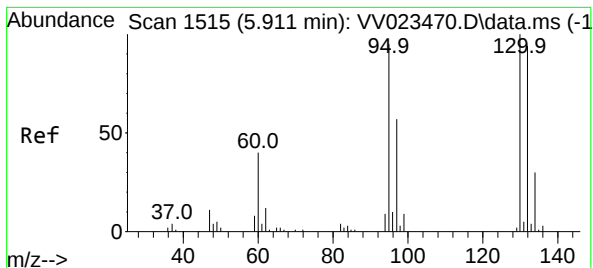
Ion Ratio Lower Upper

97 100

99 60.1 51.0 76.4

61 38.1 34.1 51.1





#34

Trichloroethene

Concen: 1.501 ug/L

RT: 5.918 min Scan# 1

Delta R.T. 0.007 min

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Tgt Ion: 95 Resp: 13422

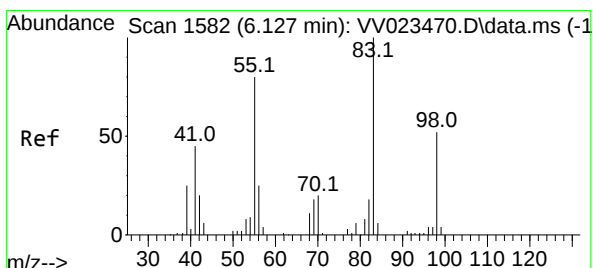
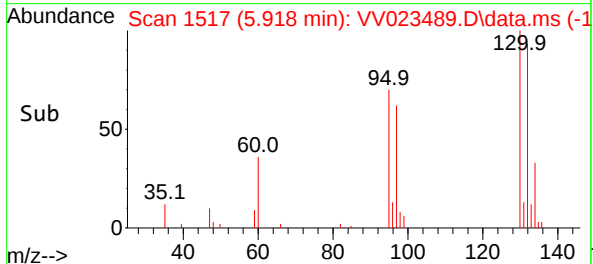
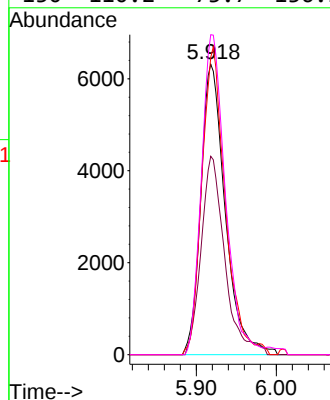
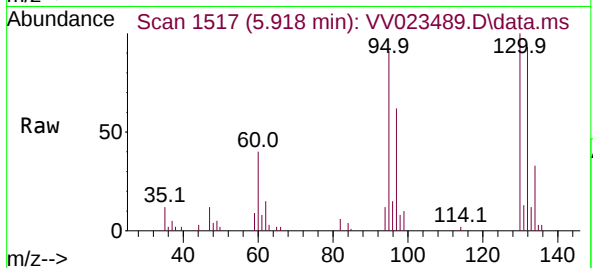
Ion Ratio Lower Upper

95 100

97 68.3 45.0 83.6

132 102.5 69.7 129.4

130 110.2 73.7 136.9



#35

Methylcyclohexane

Concen: 0.801 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

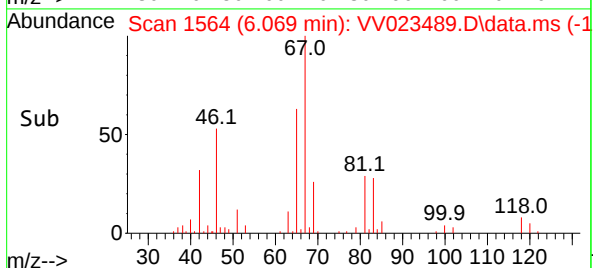
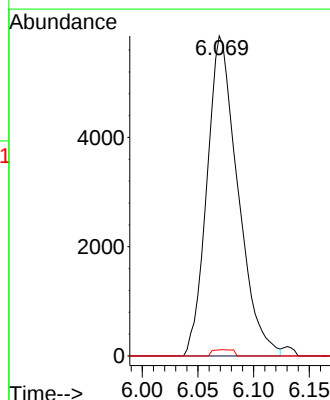
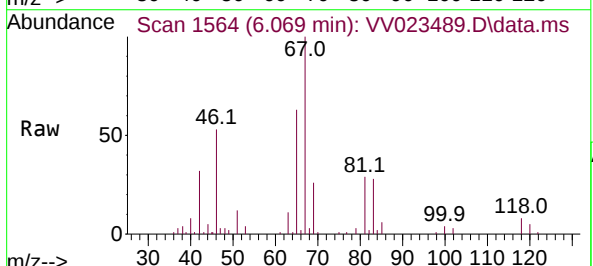
Tgt Ion: 83 Resp: 11312

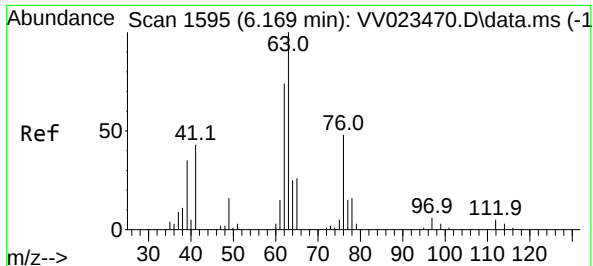
Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 1.3 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.648 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.096 min

Lab File: VV023489.D

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ClientSampleId :

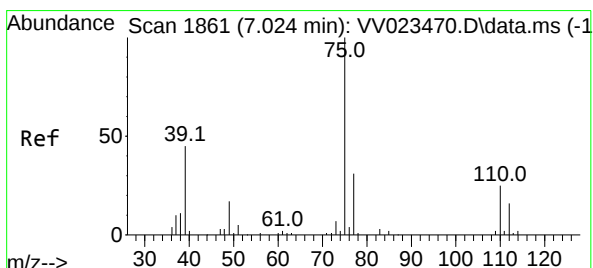
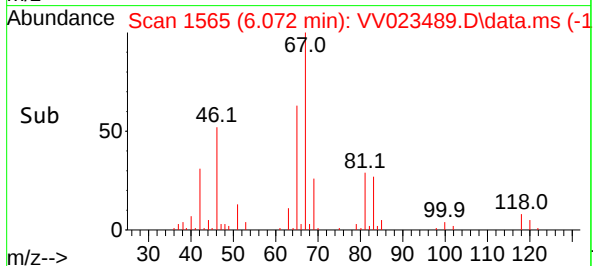
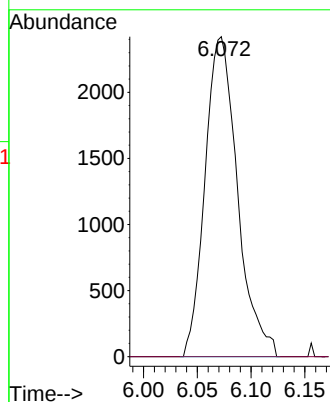
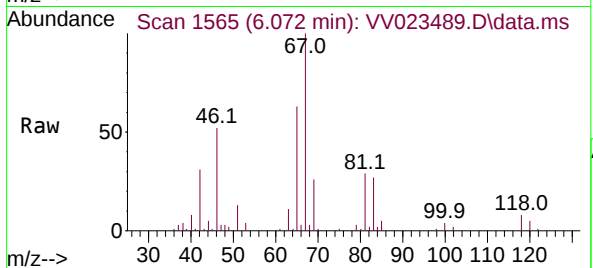
BG223

Tgt Ion: 63 Resp: 5090

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV023489.D

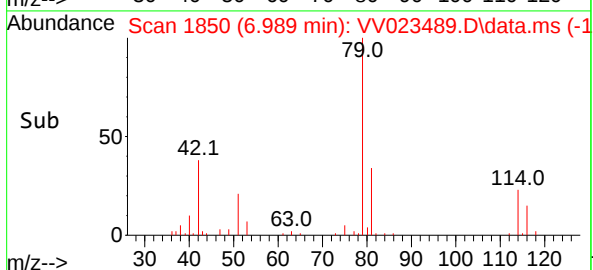
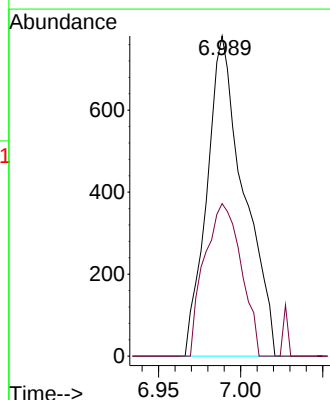
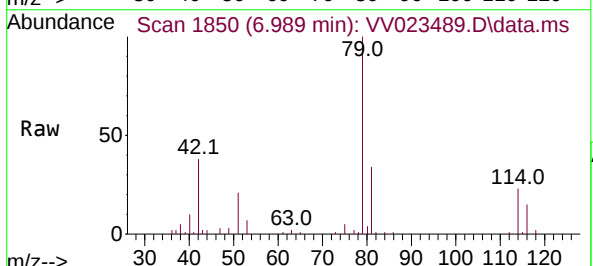
Acq: 15 Nov 2021 17:54

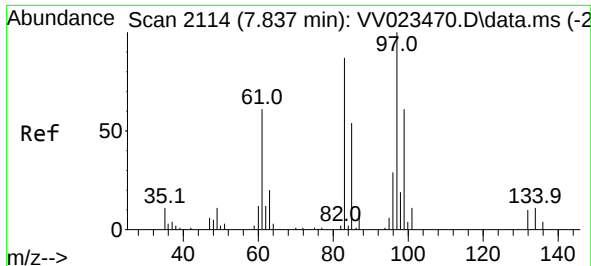
Tgt Ion: 75 Resp: 1221

Ion Ratio Lower Upper

75 100

77 47.6 21.6 40.2#





#45

1,1,2-Trichloroethane

Concen: 0.070 ug/L

RT: 7.850 min Scan# 2118

Delta R.T. 0.013 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

Instrument :

MSVOA_V

ClientSampleId :

BG223

Tgt Ion: 97 Resp: 396

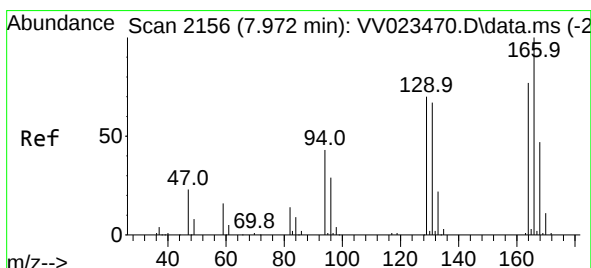
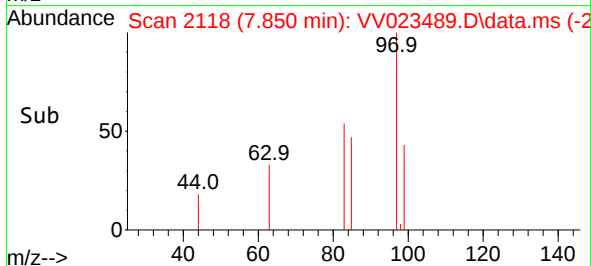
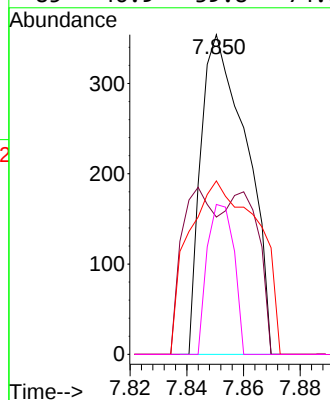
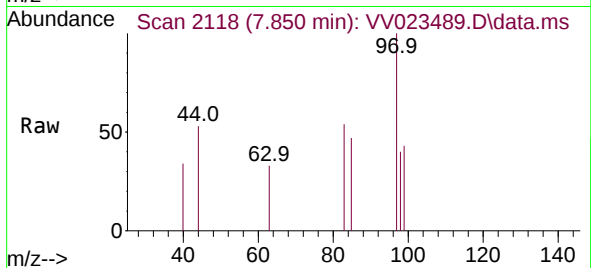
Ion Ratio Lower Upper

97 100

99 42.9 43.6 81.0#

83 54.2 58.4 108.4#

85 46.9 39.8 74.0



#47

Tetrachloroethene

Concen: 0.697 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.007 min

Lab File: VV023489.D

Acq: 15 Nov 2021 17:54

Tgt Ion:164 Resp: 5404

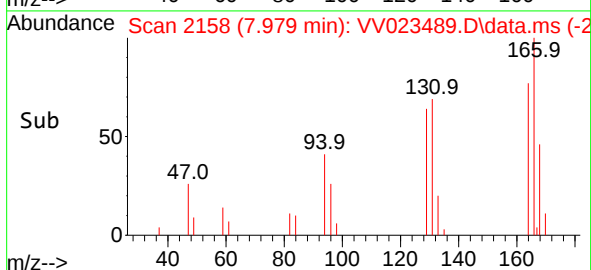
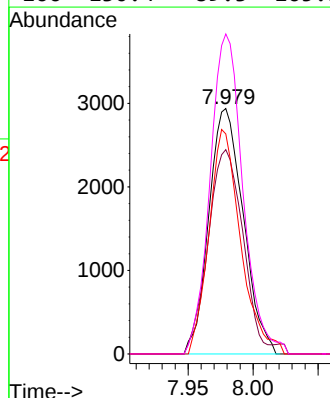
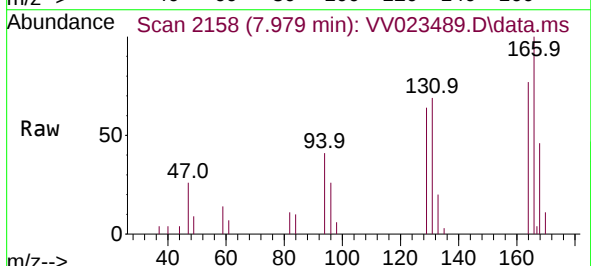
Ion Ratio Lower Upper

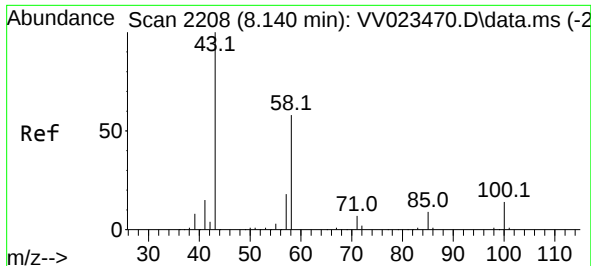
164 100

129 83.2 64.0 119.0

131 89.6 63.4 117.8

166 130.4 89.3 165.9

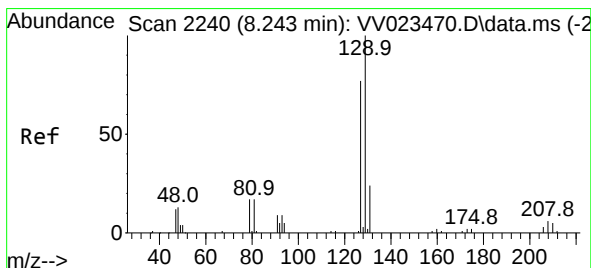
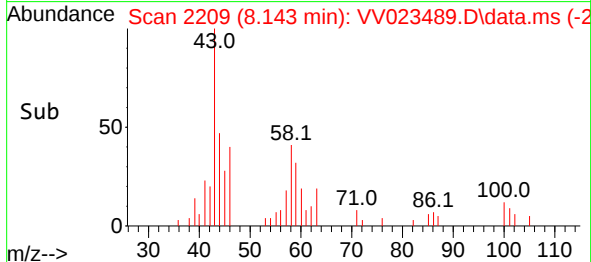
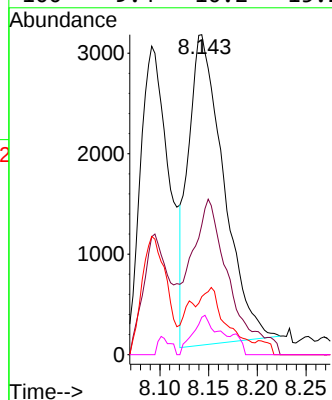
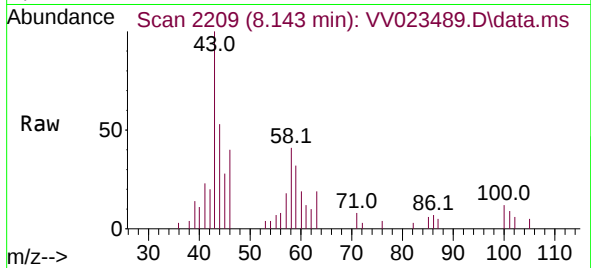




#48
2-Hexanone
Concen: 3.033 ug/L
RT: 8.143 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV023489.D
Acq: 15 Nov 2021 17:54

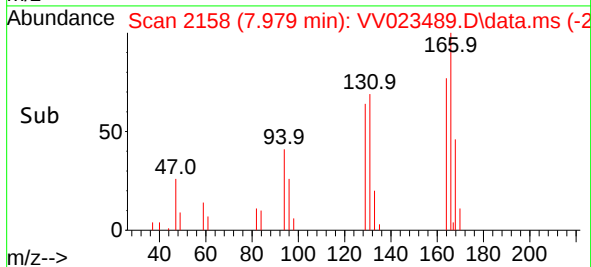
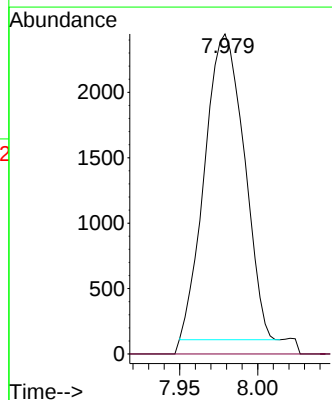
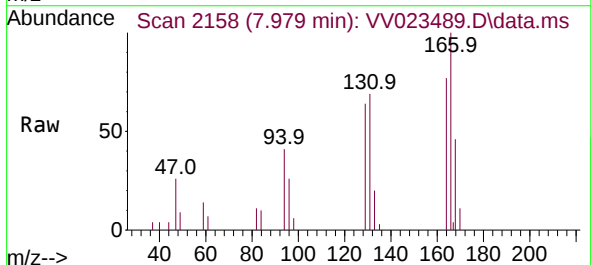
Instrument :
MSVOA_V
ClientSampleId :
BG223

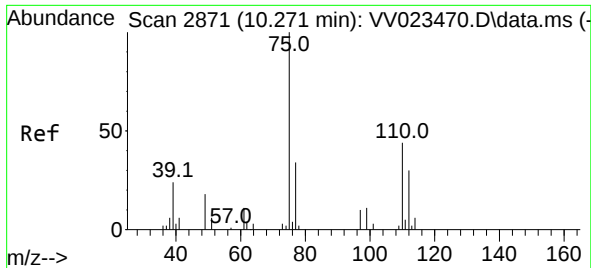
Tgt Ion: 43 Resp: 7739
Ion Ratio Lower Upper
43 100
58 53.8 43.7 65.5
57 16.7 14.1 21.1
100 9.4 10.2 15.2#



#49
Dibromochloromethane
Concen: 0.574 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.264 min
Lab File: VV023489.D
Acq: 15 Nov 2021 17:54

Tgt Ion:129 Resp: 4100
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#61
 1,2,3-Trichloropropane
 Concen: 1.551 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.978 min
 Lab File: VV023489.D
 Acq: 15 Nov 2021 17:54

Instrument :
 MSVOA_V
 ClientSampleId :
 BG223

Tgt Ion: 75 Resp: 5456
 Ion Ratio Lower Upper
 75 100
 77 35.0 26.6 39.8
 110 2.1 31.8 47.6#

