

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111521\
 Data File : VV023501.D
 Acq On : 15 Nov 2021 22:44
 Operator : SY/MD
 Sample : M4617-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG209

Quant Time: Nov 16 05:16:14 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	126770	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	126155	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55036	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39492	4.973	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.400%
7) Chloroethane-d5	1.571	69	32553	5.029	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.600%
11) 1,1-Dichloroethene-d2	2.111	63	54316	3.653	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.000%
20) 2-Butanone-d5	3.892	46	70854	51.786	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.580%
24) Chloroform-d	4.349	84	75051	4.434	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.034	65	35888	4.715	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.053	84	145321	4.490	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.069	67	42840	4.496	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.317	98	123069	4.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	7.625	79	15429	4.270	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.091	63	42210	31.753	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24959	3.642	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	47667	5.201	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	1154	0.093	ug/L	96
3) Chloromethane	1.243	50	1538	0.146	ug/L	95
8) Chloroethane	1.310	64	550	0.091	ug/L #	1
9) Trichlorofluoromethane	1.757	101	1865	0.118	ug/L	100
12) 1,1-Dichloroethene	2.111	96	560	0.074	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	203425	12.224	ug/L	97
19) 1,1-Dichloroethane	3.198	63	1180	0.075	ug/L #	81
27) 1,2-Dichloroethane	5.053	62	837	0.094	ug/L #	72
34) Trichloroethene	5.921	95	1222	0.130	ug/L	81
35) Methylcyclohexane	6.069	83	11201	0.757	ug/L #	25
37) 1,2-Dichloropropane	6.069	63	5044	0.613	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1121	0.095	ug/L #	70
47) Tetrachloroethene	7.979	164	1699	0.209	ug/L	87
48) 2-Hexanone	8.146	43	9970	3.727	ug/L #	88
49) Dibromochloromethane	7.976	129	1416	0.189	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6281	1.718	ug/L #	66
67) 1,2-Dichlorobenzene	11.641	146	1204	0.083	ug/L #	87

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

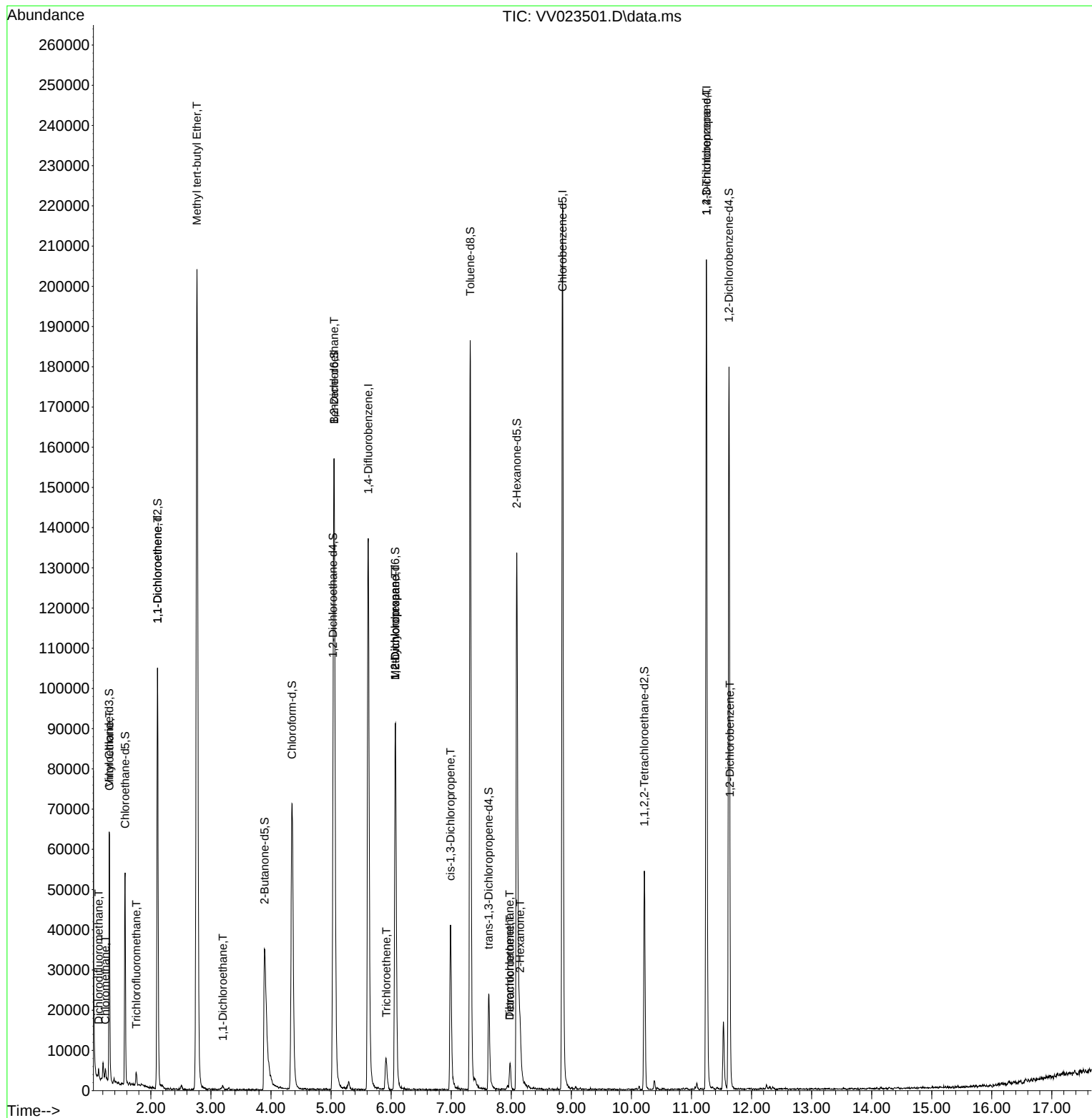
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

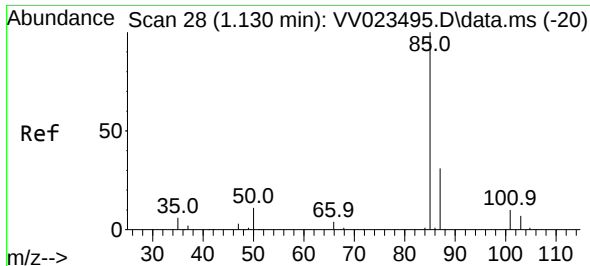
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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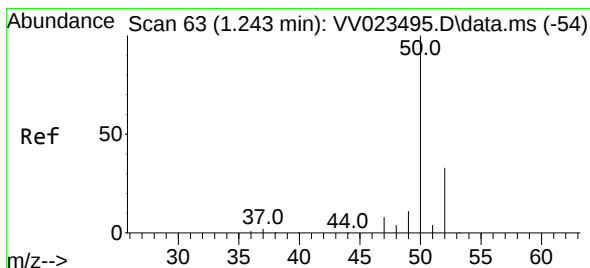
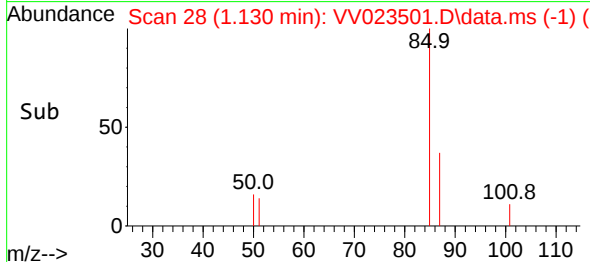
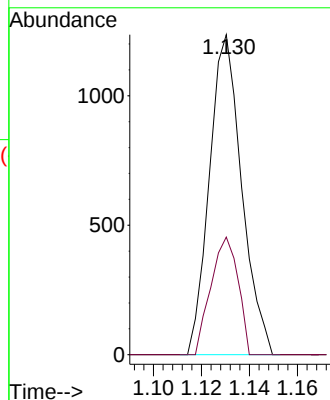
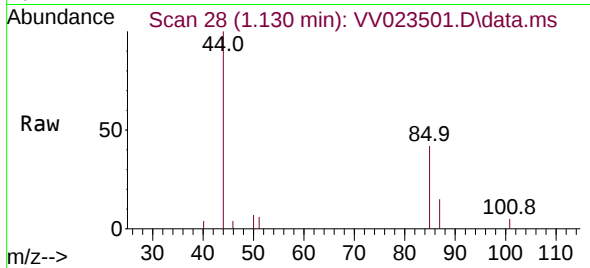




#2
 Dichlorodifluoromethane
 Concen: 0.093 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV023501.D
 Acq: 15 Nov 2021 22:44

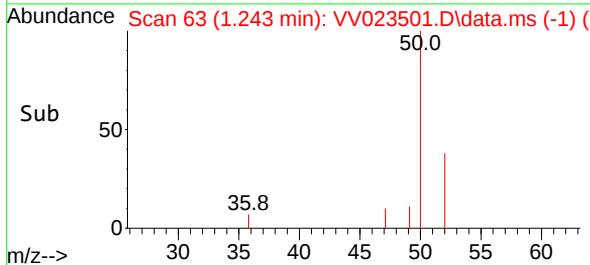
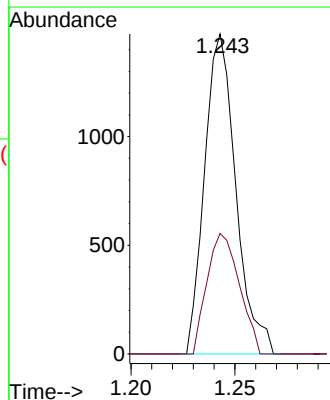
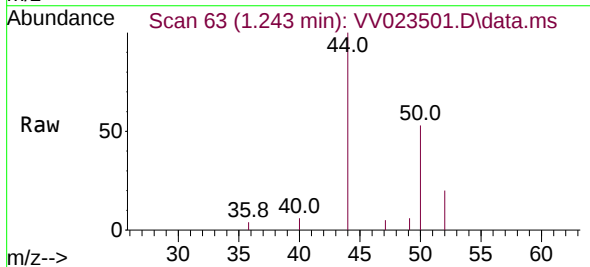
Instrument :
 MSVOA_V
 ClientSampleId :
 BG209

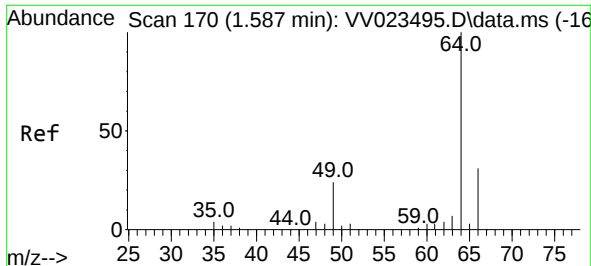
Tgt Ion: 85 Resp: 1154
 Ion Ratio Lower Upper
 85 100
 87 30.8 26.6 39.8



#3
 Chloromethane
 Concen: 0.146 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV023501.D
 Acq: 15 Nov 2021 22:44

Tgt Ion: 50 Resp: 1538
 Ion Ratio Lower Upper
 50 100
 52 37.6 24.3 45.1





#8

Chloroethane

Concen: 0.091 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.277 min

Lab File: VV023501.D

Acq: 15 Nov 2021 22:44

Instrument :

MSVOA_V

ClientSampleId :

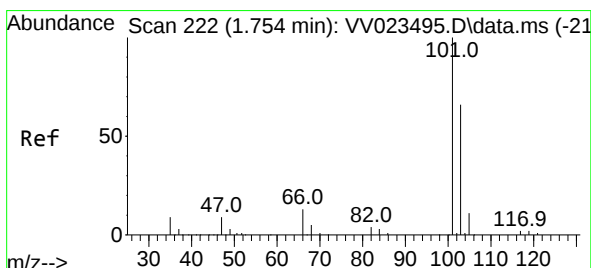
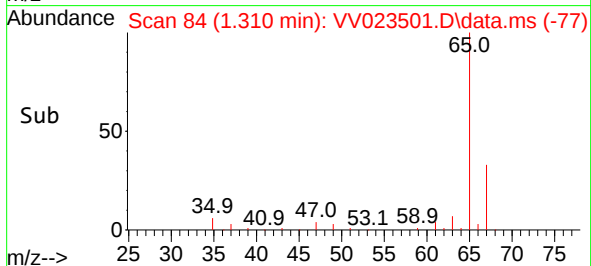
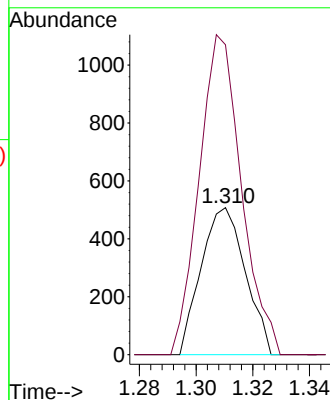
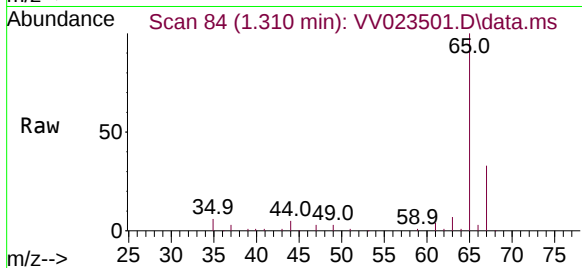
BG209

Tgt Ion: 64 Resp: 550

Ion Ratio Lower Upper

64 100

66 210.6 22.1 41.1#



#9

Trichlorofluoromethane

Concen: 0.118 ug/L

RT: 1.757 min Scan# 223

Delta R.T. 0.003 min

Lab File: VV023501.D

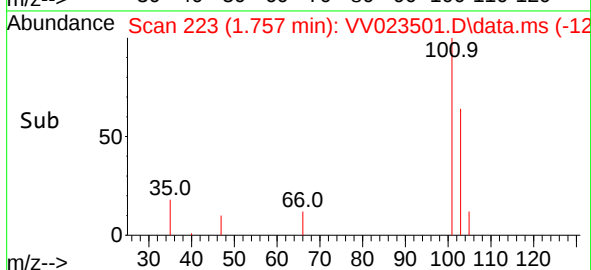
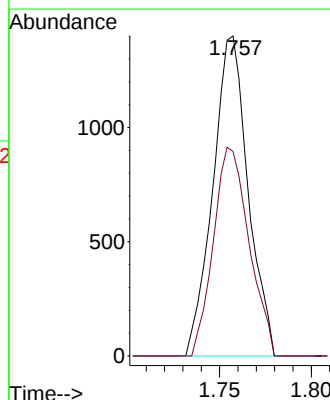
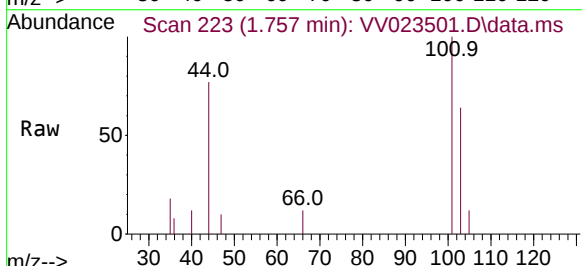
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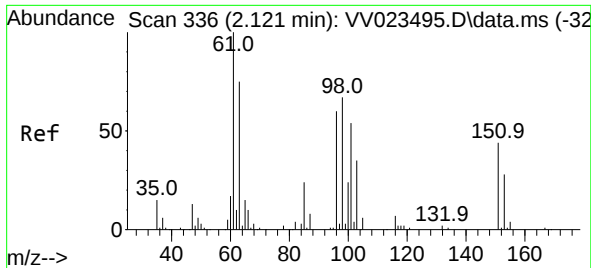
Tgt Ion: 101 Resp: 1865

Ion Ratio Lower Upper

101 100

103 66.1 52.6 79.0

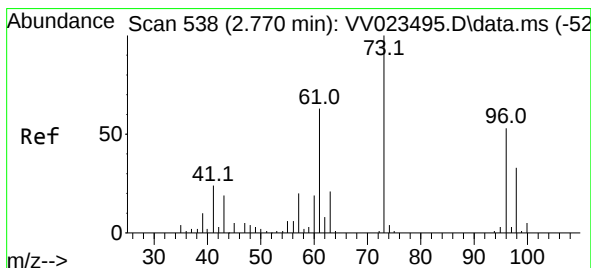
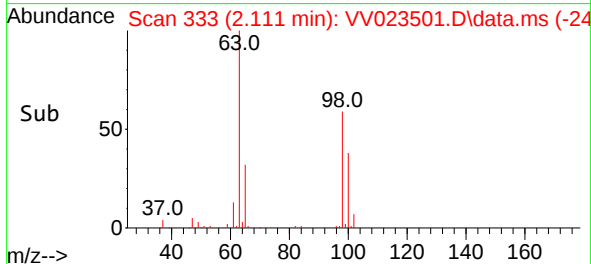
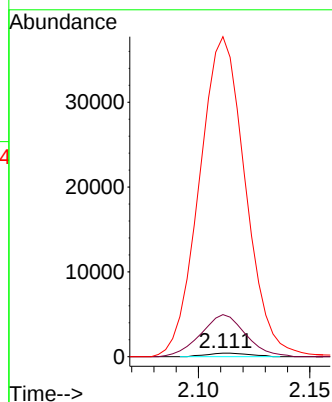
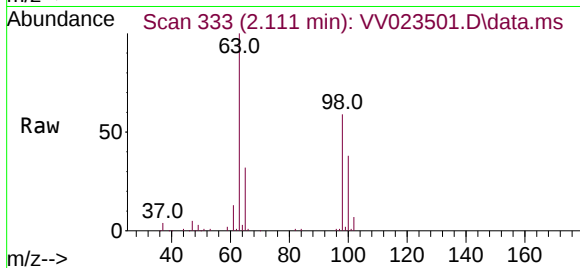




#12
1,1-Dichloroethene
Concen: 0.074 ug/L
RT: 2.111 min Scan# 311
Delta R.T. -0.010 min
Lab File: VV023501.D
Acq: 15 Nov 2021 22:44

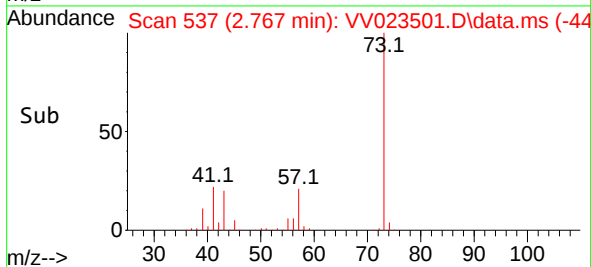
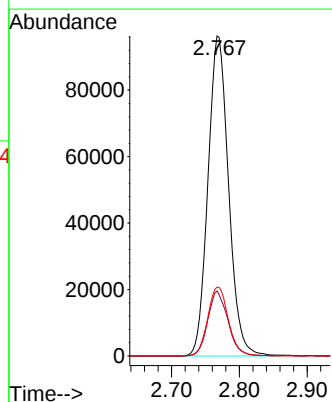
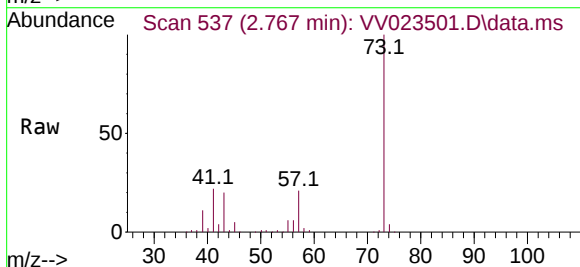
Instrument :
MSVOA_V
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BG209

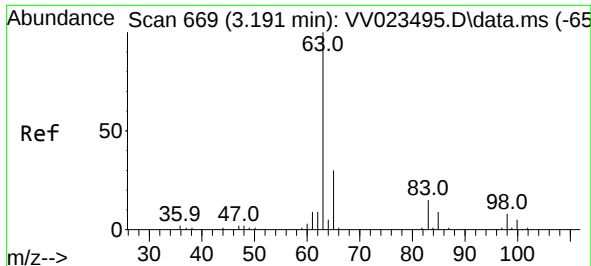
Tgt Ion: 96 Resp: 560
Ion Ratio Lower Upper
96 100
61 1193.8 121.5 225.7#
63 9071.2 99.6 185.0#



#17
Methyl tert-butyl Ether
Concen: 12.224 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.003 min
Lab File: VV023501.D
Acq: 15 Nov 2021 22:44

Tgt Ion: 73 Resp: 203425
Ion Ratio Lower Upper
73 100
43 19.8 17.4 26.0
57 21.6 16.5 24.7





#19

1,1-Dichloroethane

Concen: 0.075 ug/L

RT: 3.198 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV023501.D

Acq: 15 Nov 2021 22:44

Instrument :

MSVOA_V

ClientSampleId :

BG209

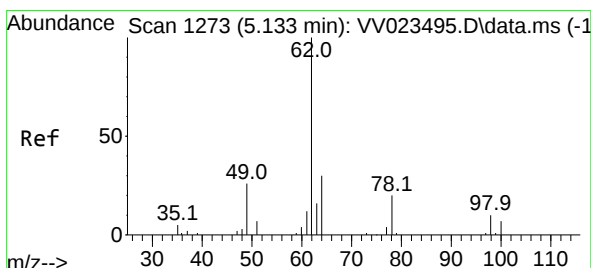
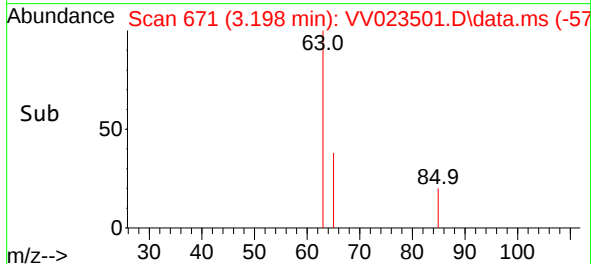
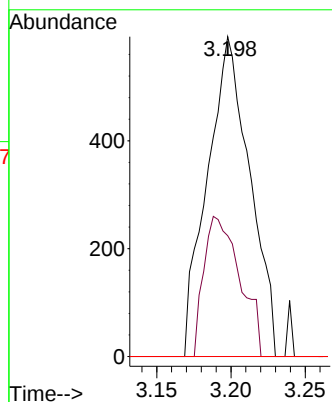
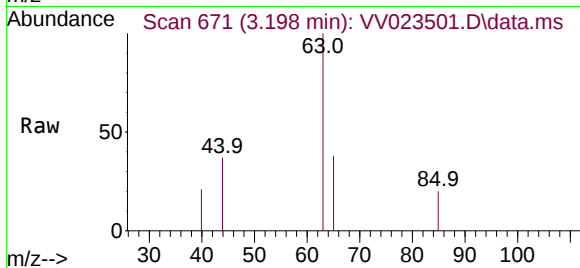
Tgt Ion: 63 Resp: 1180

Ion Ratio Lower Upper

63 100

65 37.8 22.6 42.0

83 0.0 11.1 20.7#



#27

1,2-Dichloroethane

Concen: 0.094 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.081 min

Lab File: VV023501.D

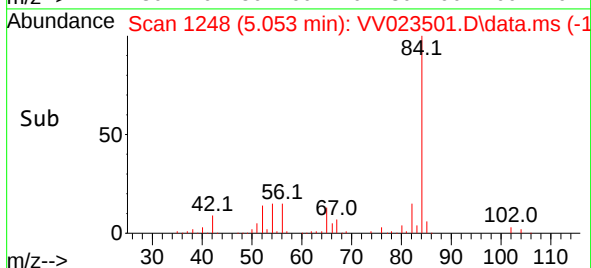
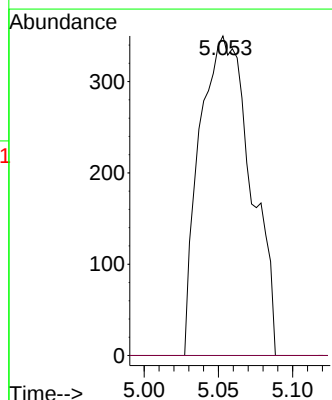
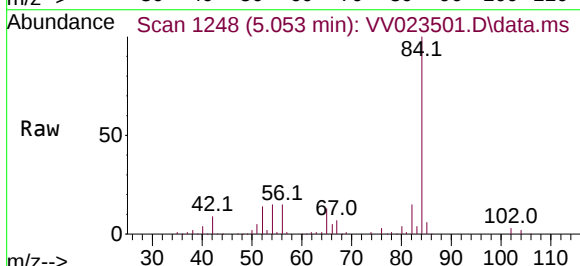
Acq: 15 Nov 2021 22:44

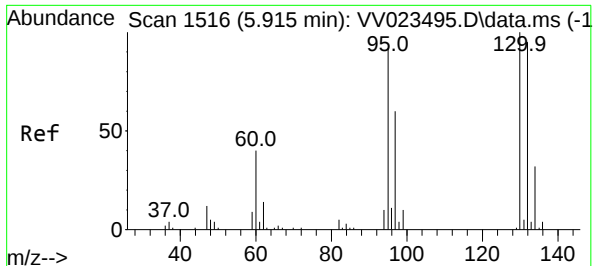
Tgt Ion: 62 Resp: 837

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



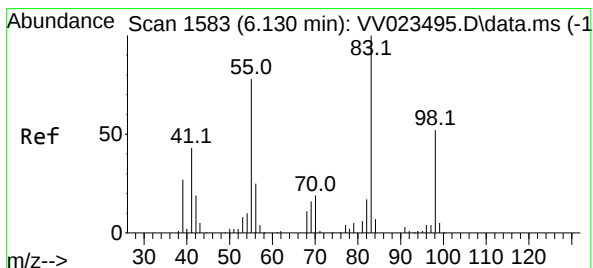
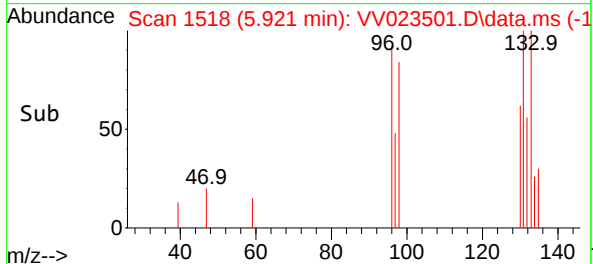
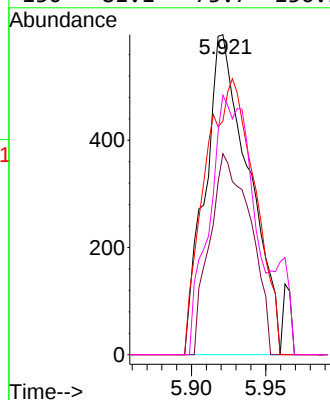
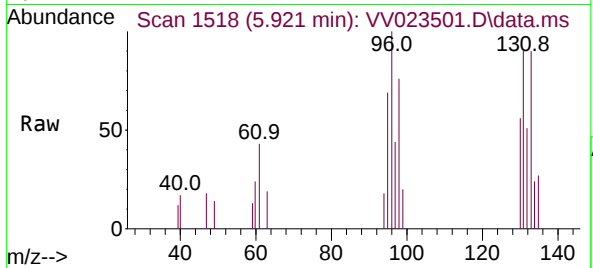


#34
Trichloroethene
Concen: 0.130 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VV023501.D
Acq: 15 Nov 2021 22:44

Instrument :
MSVOA_V
ClientSampleId :
BG209

Tgt Ion: 95 Resp: 1222

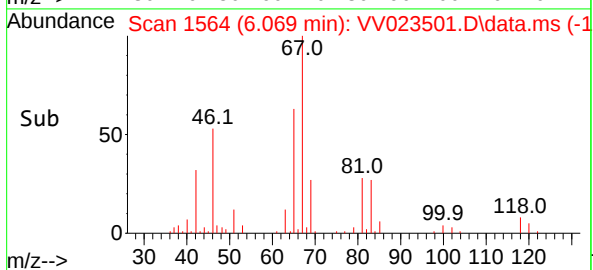
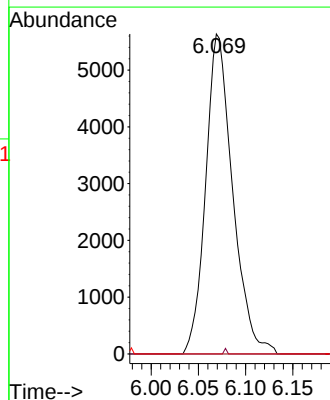
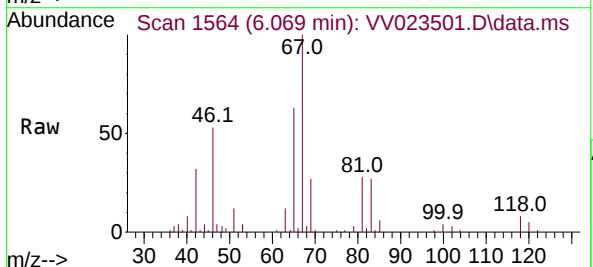
Ion	Ratio	Lower	Upper
95	100		
97	62.8	45.0	83.6
132	73.0	69.7	129.4
130	81.1	73.7	136.9

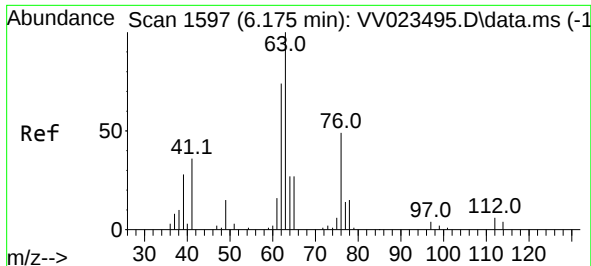


#35
Methylcyclohexane
Concen: 0.757 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.061 min
Lab File: VV023501.D
Acq: 15 Nov 2021 22:44

Tgt Ion: 83 Resp: 11201

Ion	Ratio	Lower	Upper
83	100		
55	0.2	62.8	94.2#
98	13.5	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.613 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV023501.D

Acq: 15 Nov 2021 22:44

Instrument :

MSVOA_V

ClientSampleId :

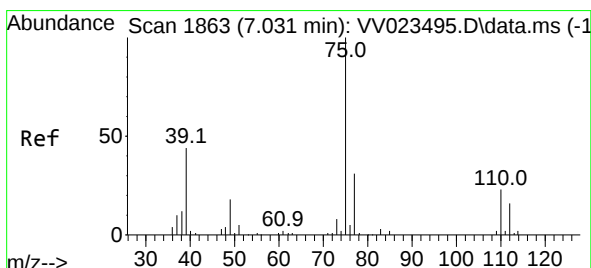
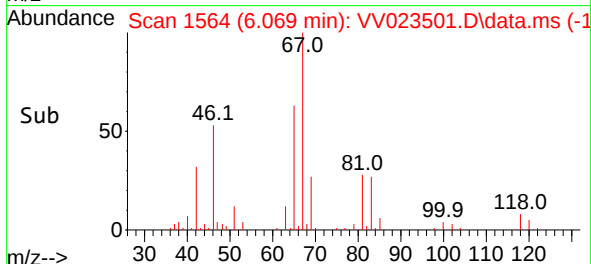
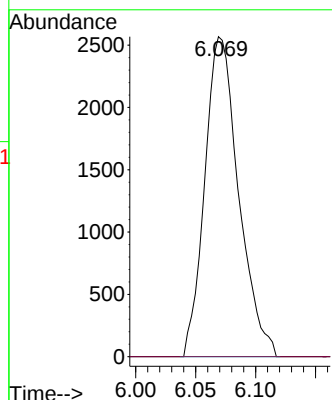
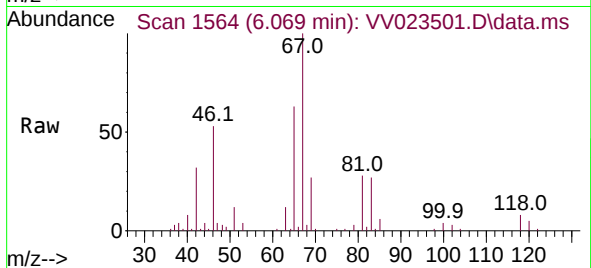
BG209

Tgt Ion: 63 Resp: 5044

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.042 min

Lab File: VV023501.D

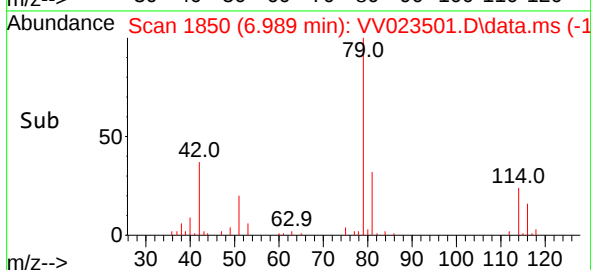
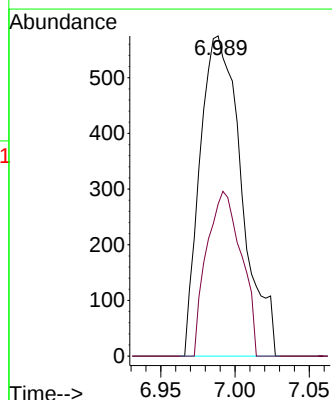
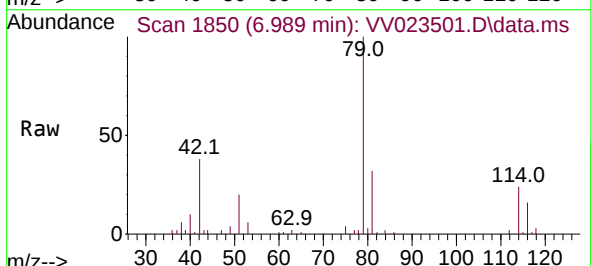
Acq: 15 Nov 2021 22:44

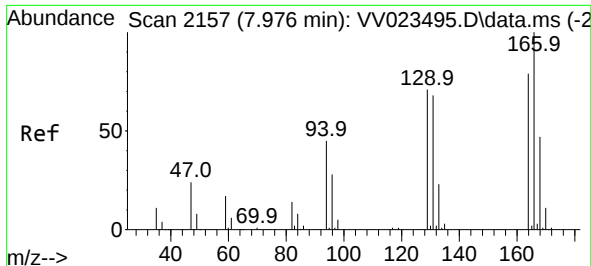
Tgt Ion: 75 Resp: 1121

Ion Ratio Lower Upper

75 100

77 47.5 21.6 40.2#

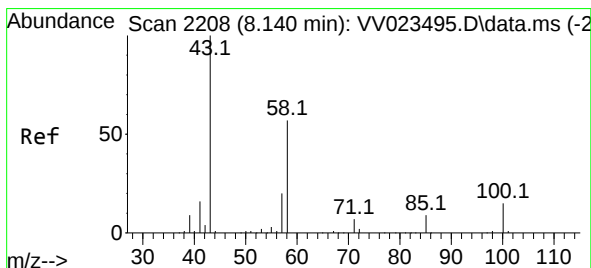
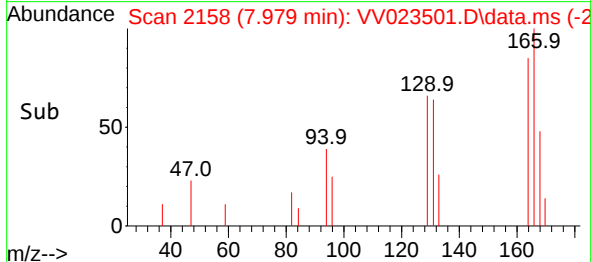
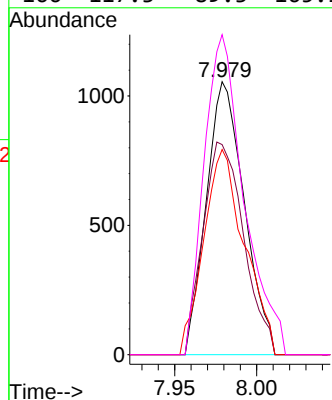
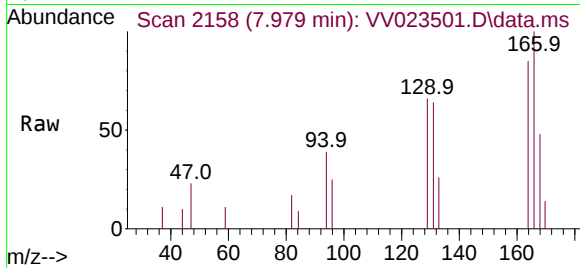




#47
Tetrachloroethene
Concen: 0.209 ug/L
RT: 7.979 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023501.D
Acq: 15 Nov 2021 22:44

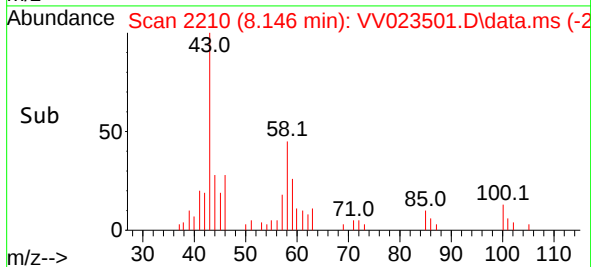
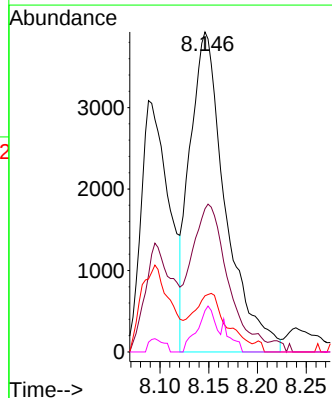
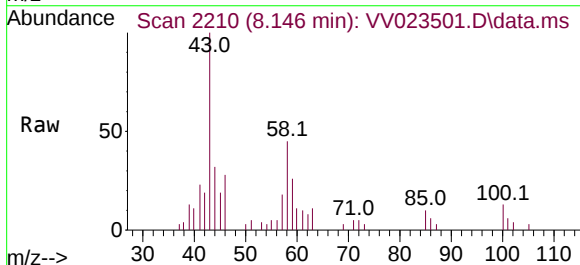
Instrument :
MSVOA_V
ClientSampleId :
BG209

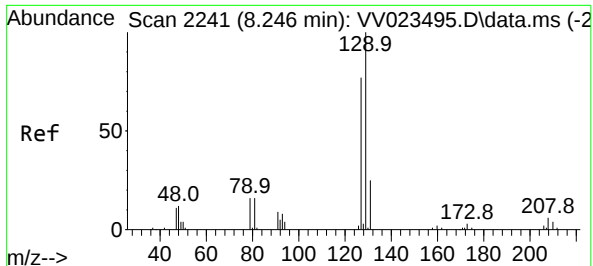
Tgt Ion:164 Resp: 1699
Ion Ratio Lower Upper
164 100
129 77.0 64.0 119.0
131 75.2 63.4 117.8
166 117.3 89.3 165.9



#48
2-Hexanone
Concen: 3.727 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VV023501.D
Acq: 15 Nov 2021 22:44

Tgt Ion: 43 Resp: 9970
Ion Ratio Lower Upper
43 100
58 43.7 43.7 65.5
57 17.6 14.1 21.1
100 7.5 10.2 15.2#





#49

Dibromochloromethane

Concen: 0.189 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV023501.D

Acq: 15 Nov 2021 22:44

Instrument :

MSVOA_V

ClientSampleId :

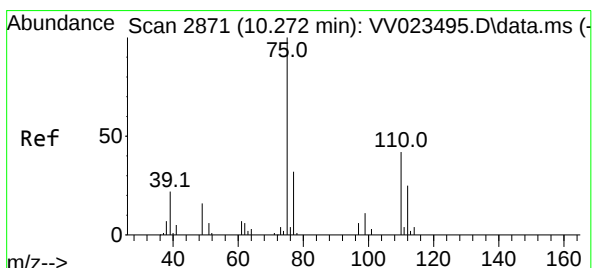
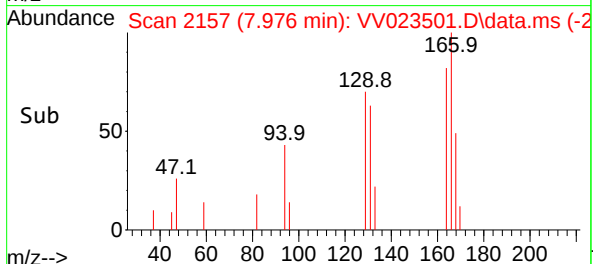
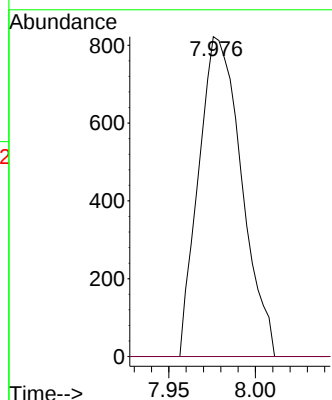
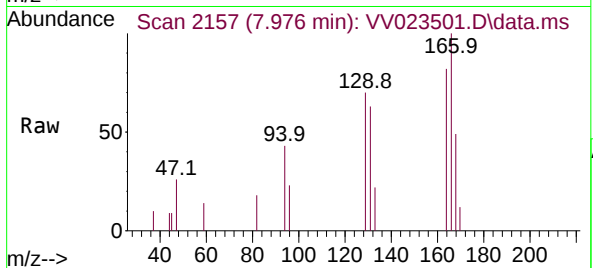
BG209

Tgt Ion:129 Resp: 1416

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.718 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023501.D

Acq: 15 Nov 2021 22:44

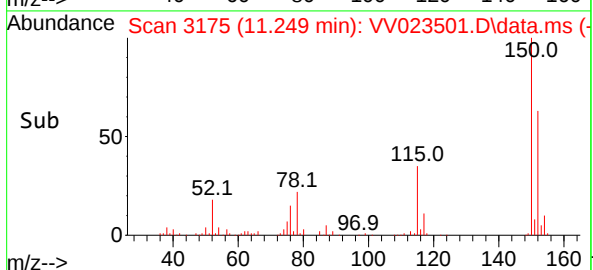
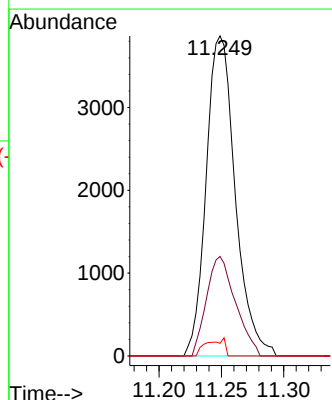
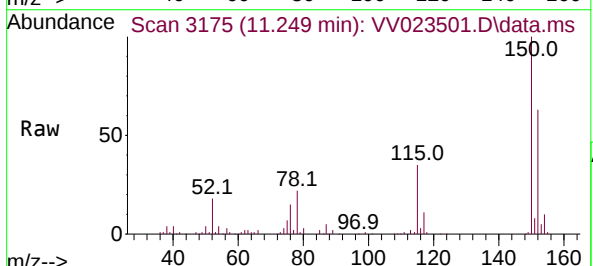
Tgt Ion: 75 Resp: 6281

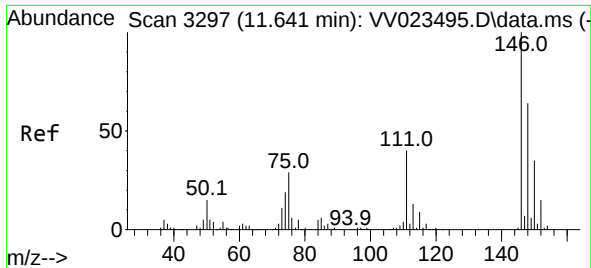
Ion Ratio Lower Upper

75 100

77 30.9 26.6 39.8

110 3.4 31.8 47.6#





#67

1,2-Dichlorobenzene

Concen: 0.083 ug/L

RT: 11.641 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV023501.D

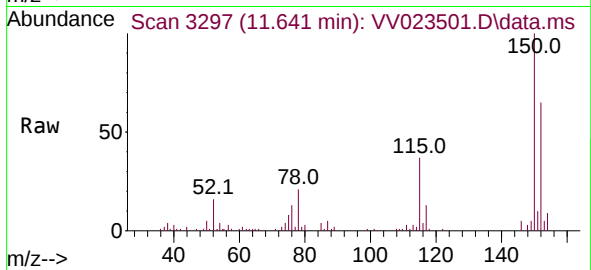
Acq: 15 Nov 2021 22:44

Instrument :

MSVOA_V

ClientSampleId :

BG209



Tgt Ion:	146	Resp:	1204
Ion	Ratio	Lower	Upper
146	100		
111	56.7	31.6	47.4#
148	66.4	51.0	76.6

