

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023532.D
 Acq On : 16 Nov 2021 14:24
 Operator : SY/MD
 Sample : M4617-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG220

Quant Time: Nov 17 00:52:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 00:48:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	122790	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	121314	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56058	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	34240	4.451	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.568	69	29227	4.662	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.111	63	50443	3.503	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	3.896	46	70059	52.865	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.720%
24) Chloroform-d	4.352	84	72327	4.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.037	65	35765	4.852	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.053	84	141236	4.537	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.072	67	42306	4.617	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.317	98	123382	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	7.625	79	15151	4.361	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.091	63	46637	36.483	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.960%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	25208	3.826	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	48198	5.164	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	5884	0.491	ug/L	97
3) Chloromethane	1.243	50	511	0.050	ug/L	96
6) Bromomethane	1.526	94	328	0.050	ug/L #	63
9) Trichlorofluoromethane	1.754	101	1864	0.122	ug/L	95
12) 1,1-Dichloroethene	2.114	96	565	0.077	ug/L #	1
13) Acetone	2.185	43	1691	2.088	ug/L	85
17) Methyl tert-butyl Ether	2.770	73	11280	0.700	ug/L	94
19) 1,1-Dichloroethane	3.198	63	2217	0.146	ug/L #	80
25) Chloroform	4.378	83	10601	0.654	ug/L	99
27) 1,2-Dichloroethane	5.050	62	827	0.096	ug/L #	72
34) Trichloroethene	5.921	95	8578	0.951	ug/L	97
35) Methylcyclohexane	6.072	83	10383	0.730	ug/L #	26
37) 1,2-Dichloropropane	6.069	63	5101	0.644	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1165	0.102	ug/L #	47
47) Tetrachloroethene	7.979	164	1800	0.230	ug/L	79
48) 2-Hexanone	8.146	43	8020	3.118	ug/L #	81
49) Dibromochloromethane	7.982	129	1495	0.207	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6185	1.661	ug/L #	66
68) 1,2-Dibromo-3-chloropr...	12.246	75	88	0.111	ug/L #	1

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Quant Time: Nov 17 00:52:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 17 00:48:57 2021
Response via : Initial Calibration

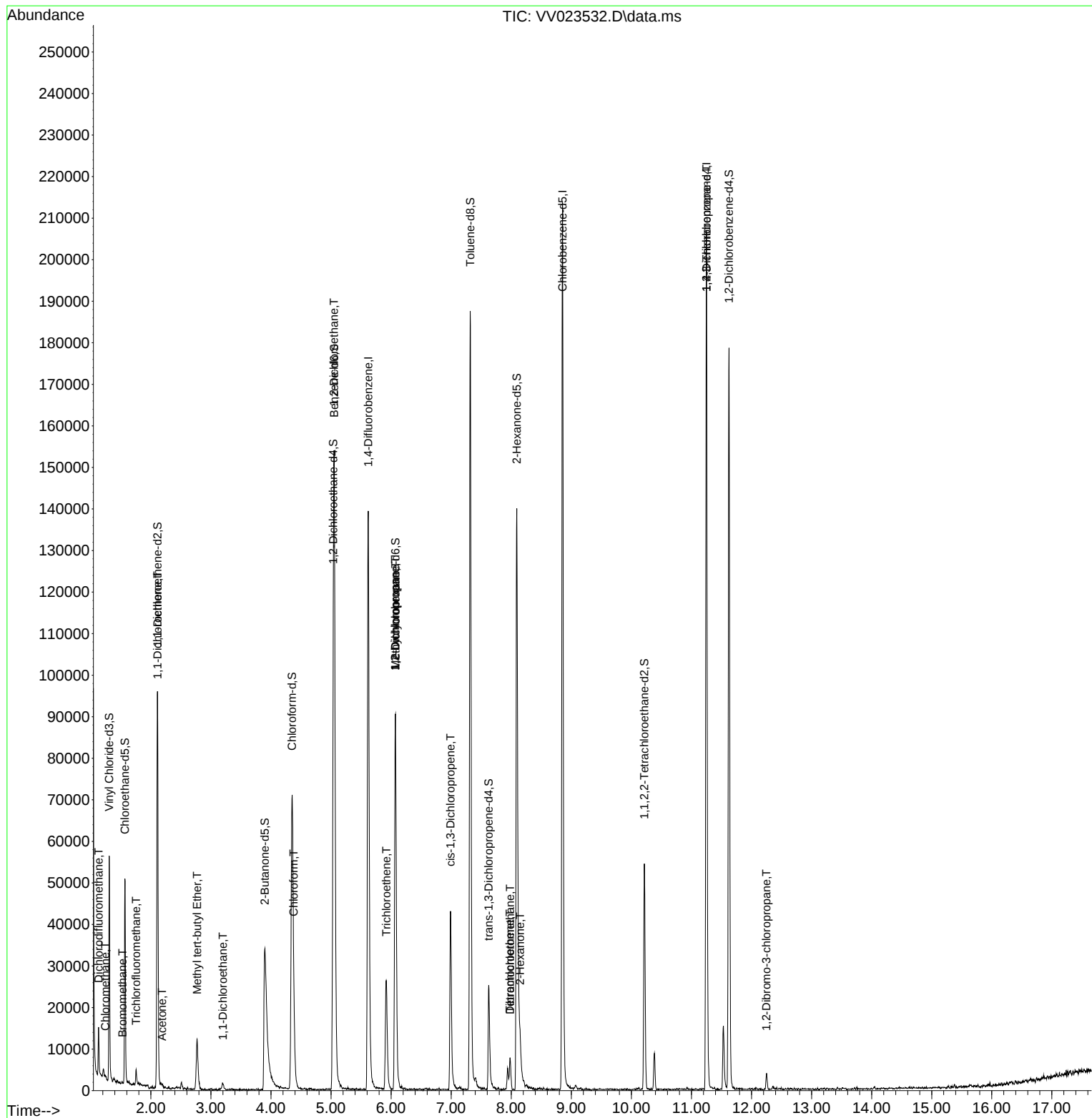
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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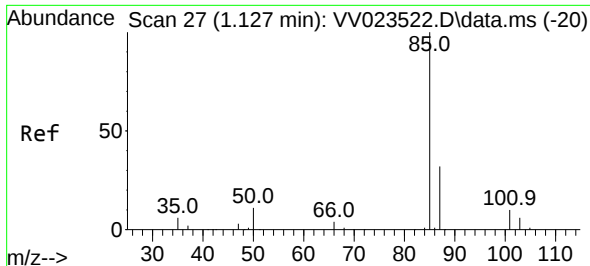
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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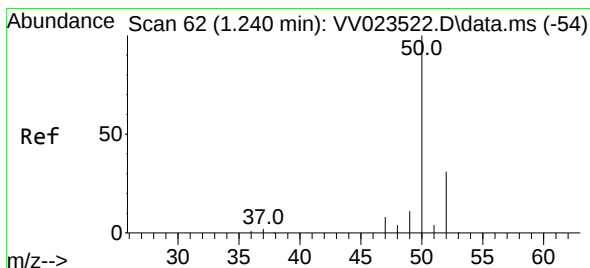
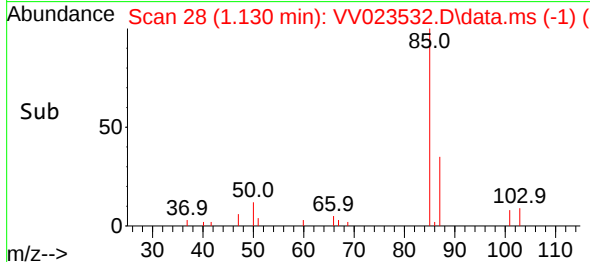
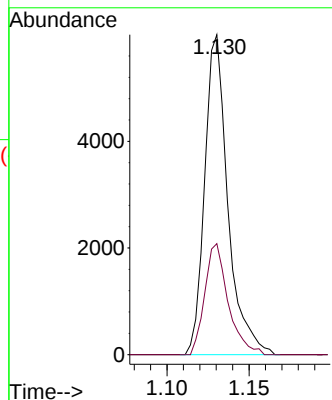
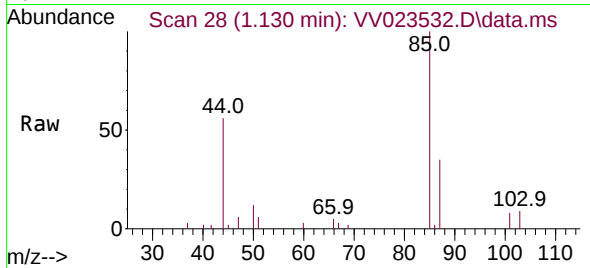




#2
 Dichlorodifluoromethane
 Concen: 0.491 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023532.D
 Acq: 16 Nov 2021 14:24

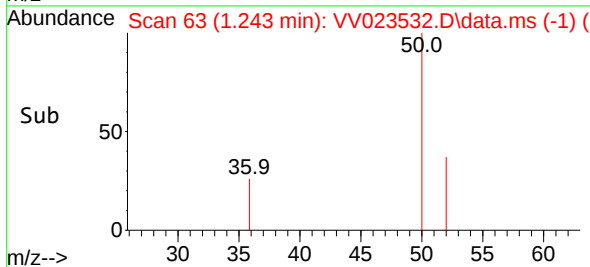
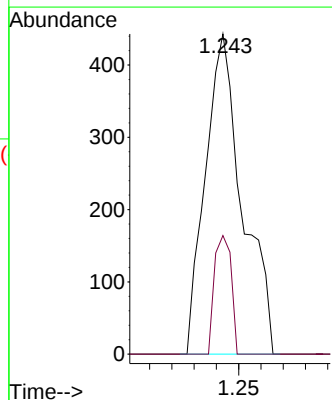
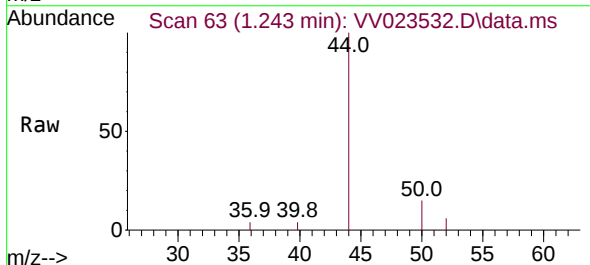
Instrument :
 MSVOA_V
 ClientSampleId :
 BG220

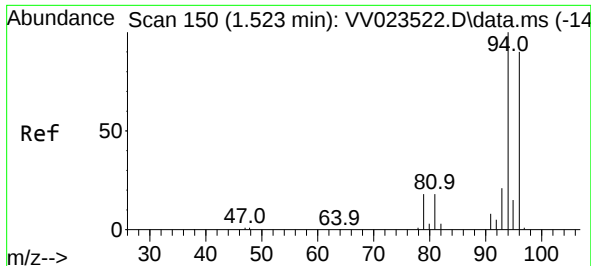
Tgt Ion: 85 Resp: 5884
 Ion Ratio Lower Upper
 85 100
 87 35.1 26.6 39.8



#3
 Chloromethane
 Concen: 0.050 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV023532.D
 Acq: 16 Nov 2021 14:24

Tgt Ion: 50 Resp: 511
 Ion Ratio Lower Upper
 50 100
 52 37.0 24.3 45.1

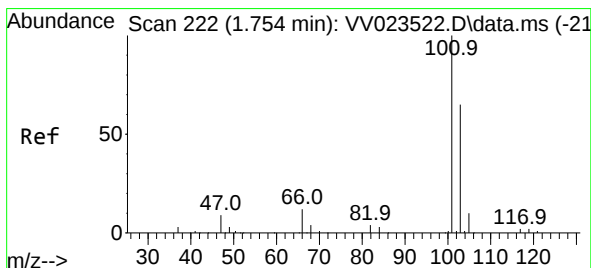
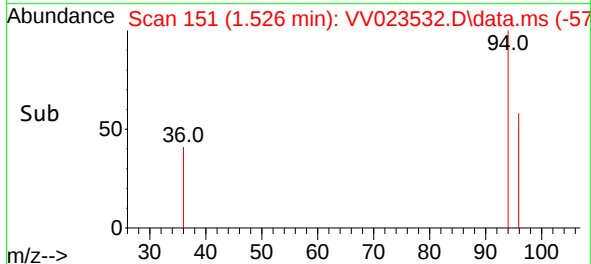
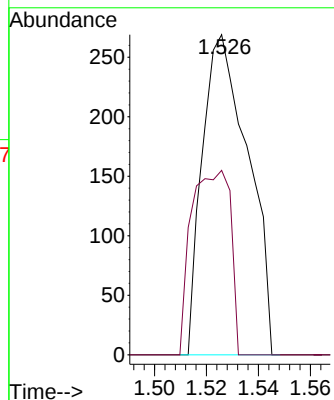
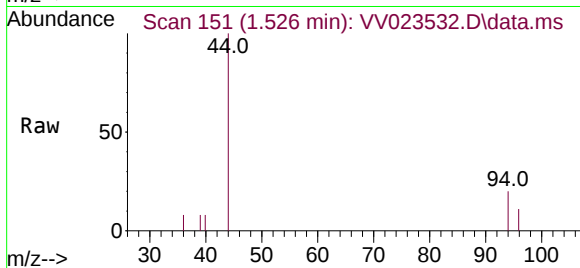




#6
Bromomethane
Concen: 0.050 ug/L
RT: 1.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

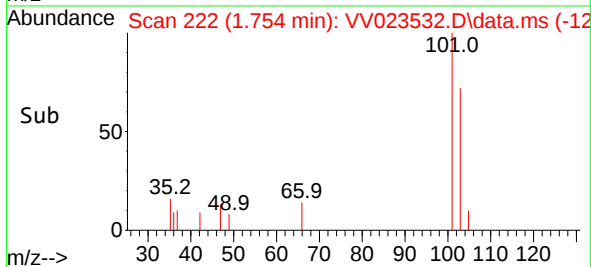
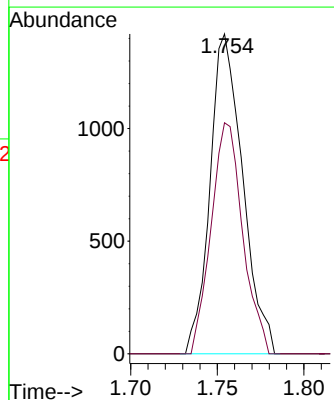
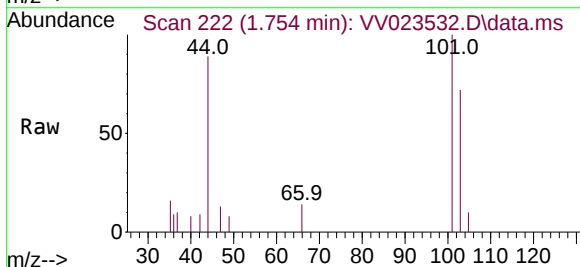
Instrument :
MSVOA_V
ClientSampleId :
BG220

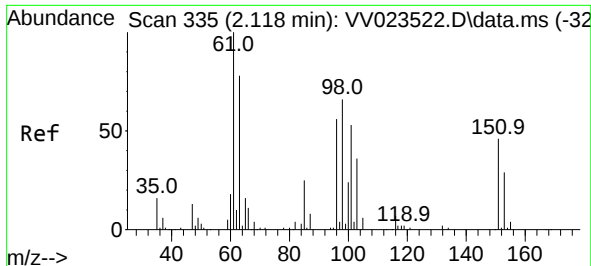
Tgt Ion: 94 Resp: 328
Ion Ratio Lower Upper
94 100
96 57.6 65.0 120.8#



#9
Trichlorofluoromethane
Concen: 0.122 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

Tgt Ion: 101 Resp: 1864
Ion Ratio Lower Upper
101 100
103 69.8 52.6 79.0





#12

1,1-Dichloroethene

Concen: 0.077 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023532.D

Acq: 16 Nov 2021 14:24

Instrument :

MSVOA_V

ClientSampleId :

BG220

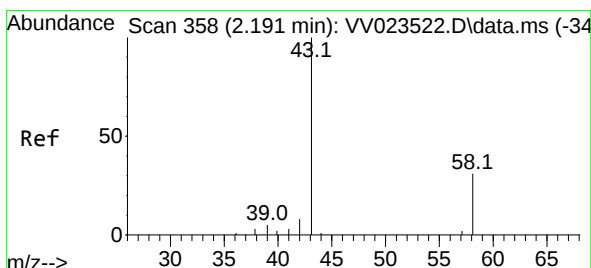
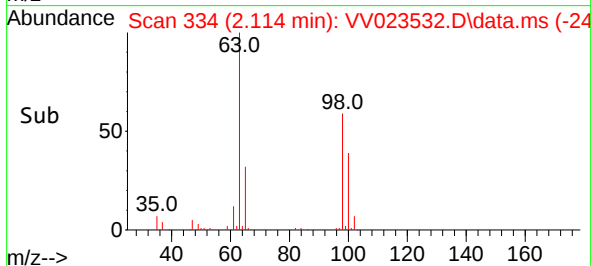
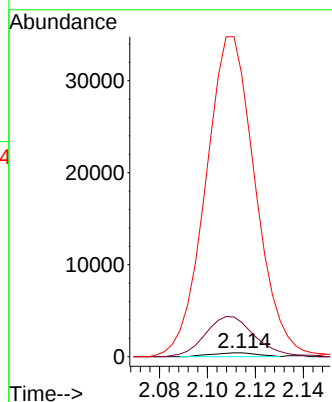
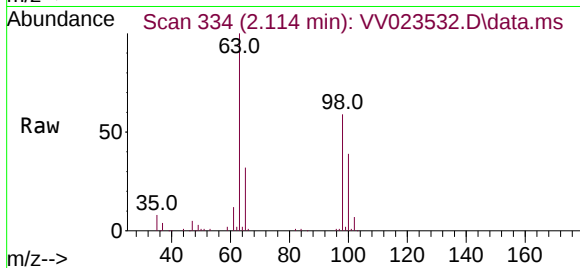
Tgt Ion: 96 Resp: 565

Ion Ratio Lower Upper

96 100

61 877.3 121.5 225.7#

63 7198.1 99.6 185.0#



#13

Acetone

Concen: 2.088 ug/L

RT: 2.185 min Scan# 356

Delta R.T. -0.006 min

Lab File: VV023532.D

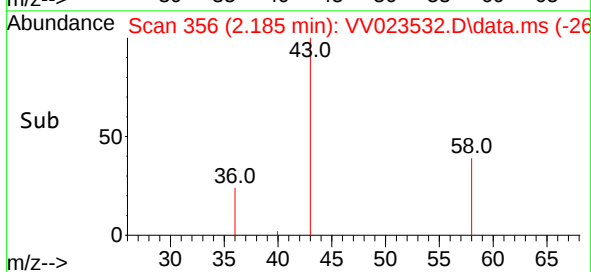
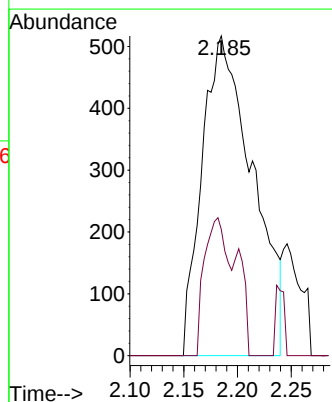
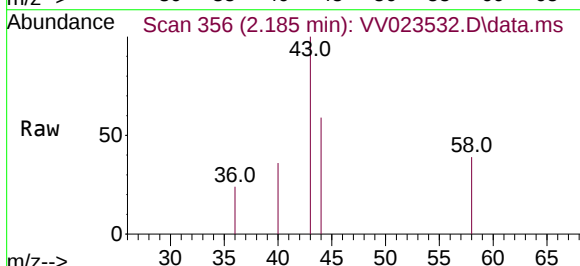
Acq: 16 Nov 2021 14:24

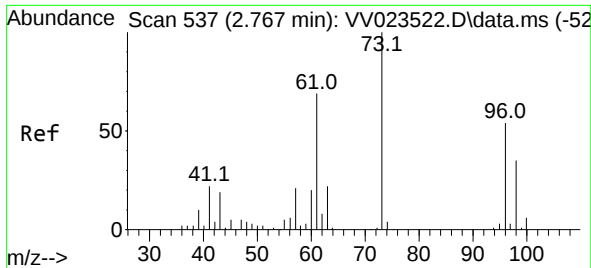
Tgt Ion: 43 Resp: 1691

Ion Ratio Lower Upper

43 100

58 20.0 0.0 55.4

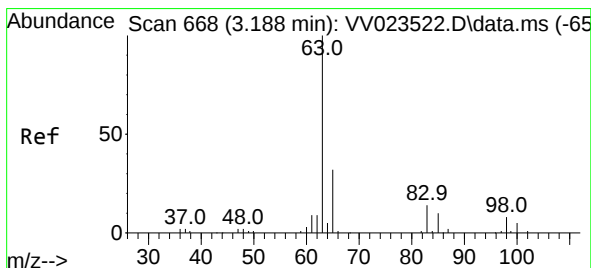
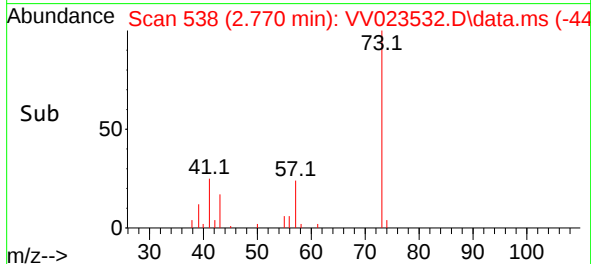
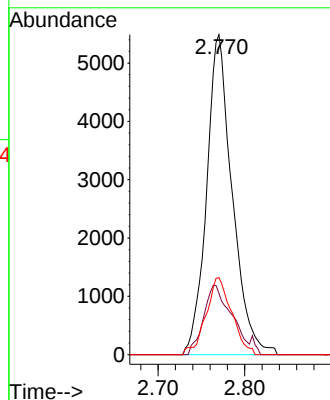
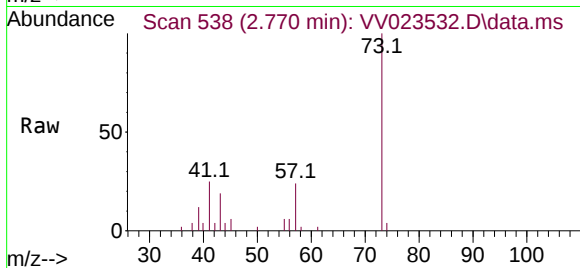




#17
Methyl tert-butyl Ether
Concen: 0.700 ug/L
RT: 2.770 min Scan# 511
Delta R.T. 0.003 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

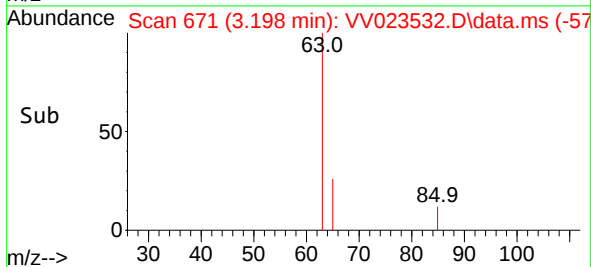
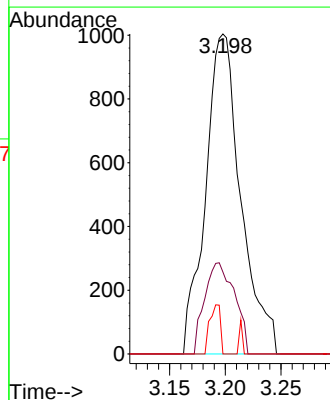
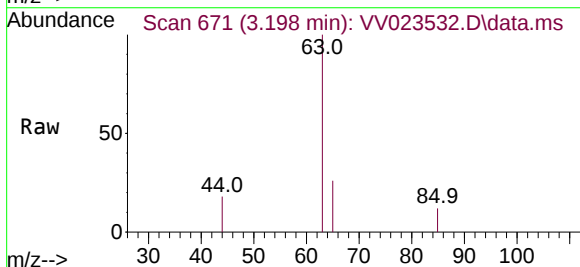
Instrument :
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ClientSampleId :
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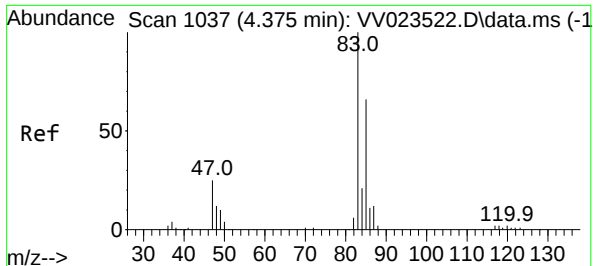
Tgt Ion: 73	Resp:	11280	
Ion	Ratio	Lower	Upper
73	100		
43	23.6	17.4	26.0
57	24.1	16.5	24.7



#19
1,1-Dichloroethane
Concen: 0.146 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.010 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

Tgt Ion: 63	Resp:	2217	
Ion	Ratio	Lower	Upper
63	100		
65	25.6	22.6	42.0
83	0.0	11.1	20.7#

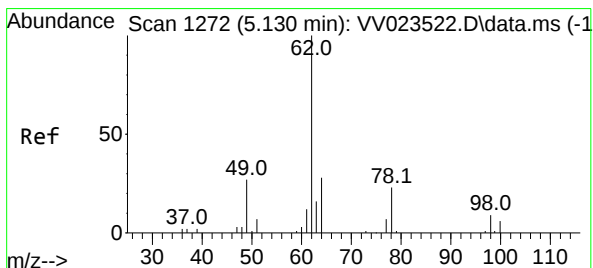
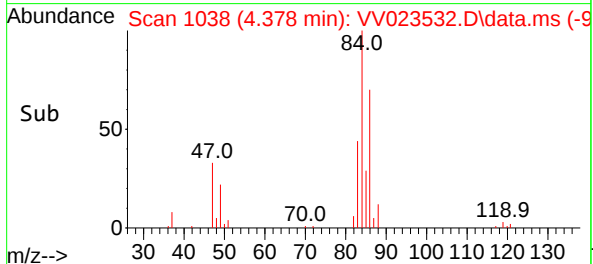
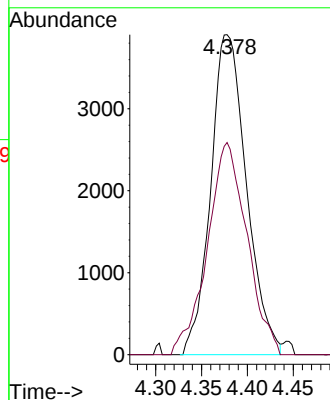
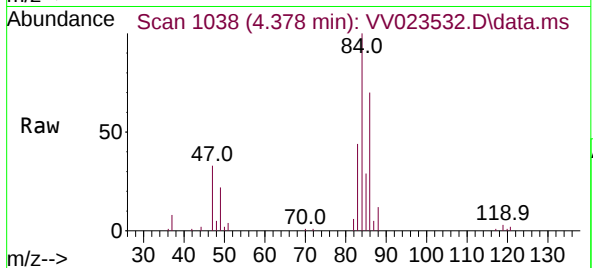




#25
Chloroform
Concen: 0.654 ug/L
RT: 4.378 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

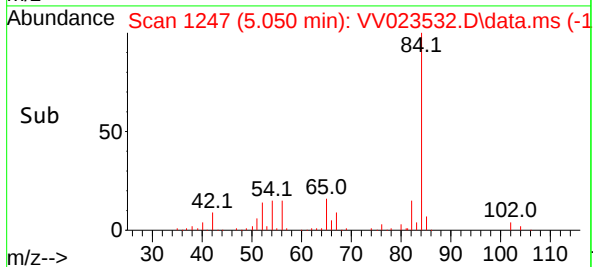
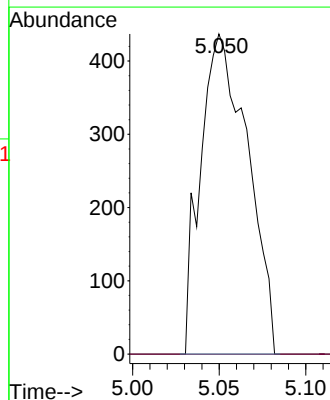
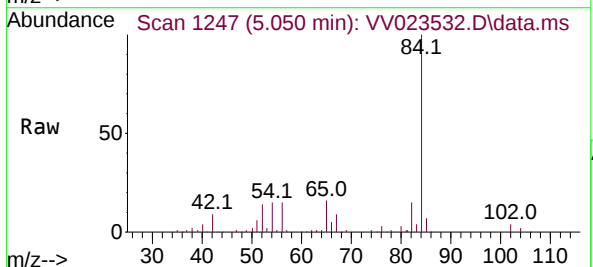
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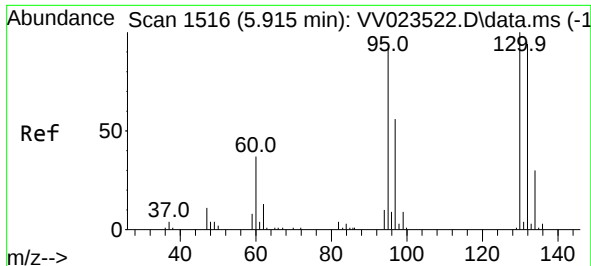
Tgt Ion: 83 Resp: 10601
Ion Ratio Lower Upper
83 100
85 66.3 46.8 86.8



#27
1,2-Dichloroethane
Concen: 0.096 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.080 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

Tgt Ion: 62 Resp: 827
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



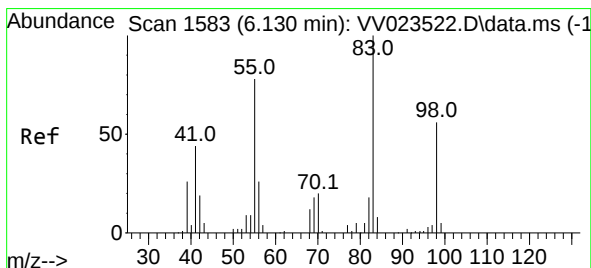
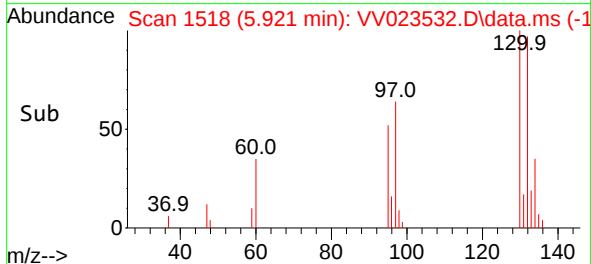
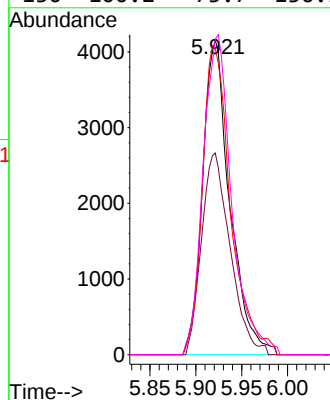
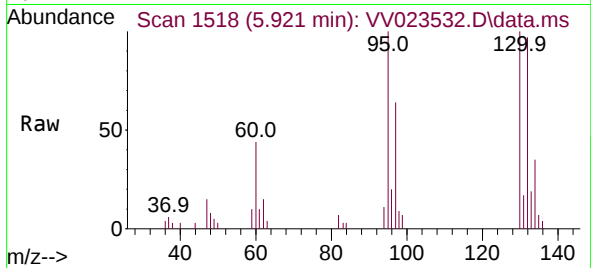


#34
Trichloroethene
Concen: 0.951 ug/L
RT: 5.921 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

Instrument :
MSVOA_V
ClientSampleId :
BG220

Tgt Ion: 95 Resp: 8578

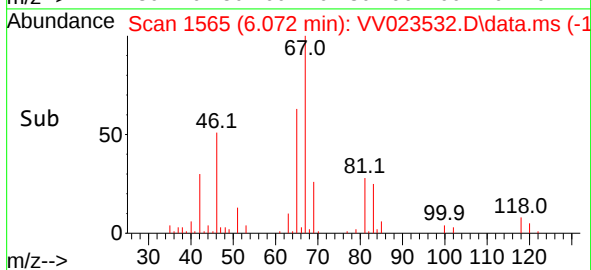
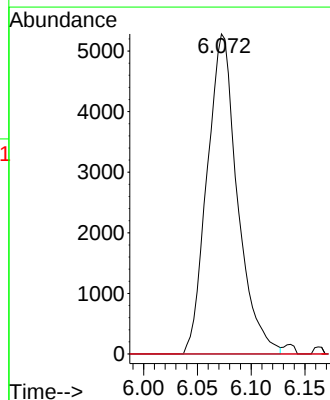
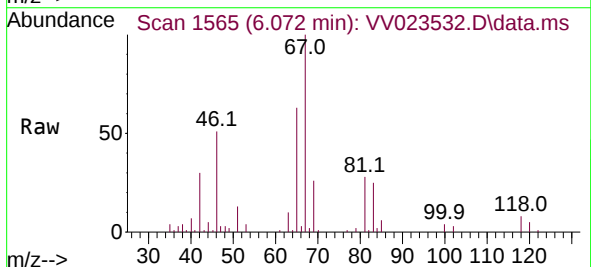
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.0	83.6
132	97.5	69.7	129.4
130	100.2	73.7	136.9

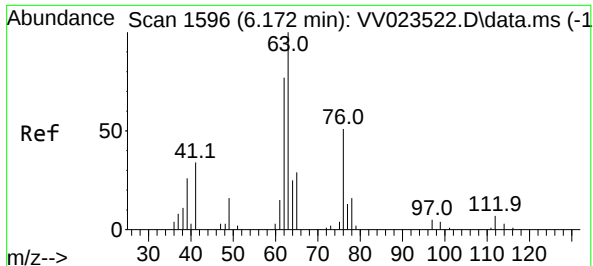


#35
Methylcyclohexane
Concen: 0.730 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

Tgt Ion: 83 Resp: 10383

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.8	94.2#
98	14.5	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.644 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV023532.D

Acq: 16 Nov 2021 14:24

Instrument :

MSVOA_V

ClientSampleId :

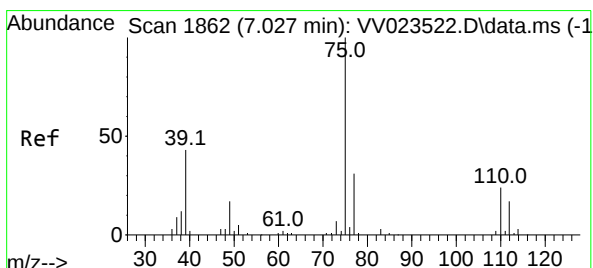
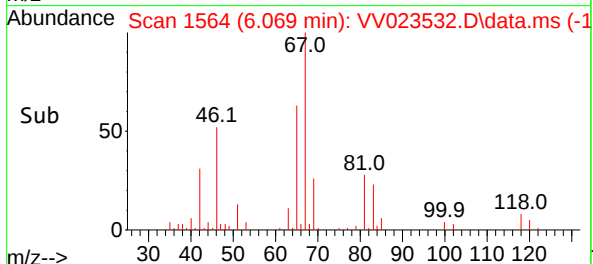
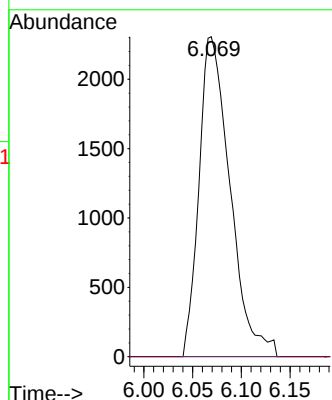
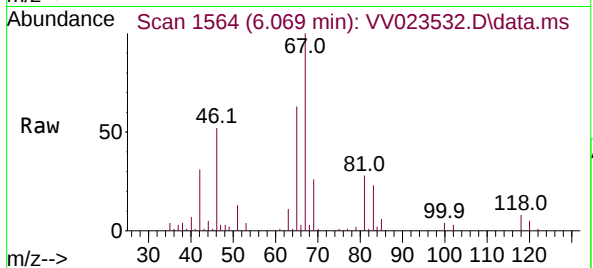
BG220

Tgt Ion: 63 Resp: 5101

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.039 min

Lab File: VV023532.D

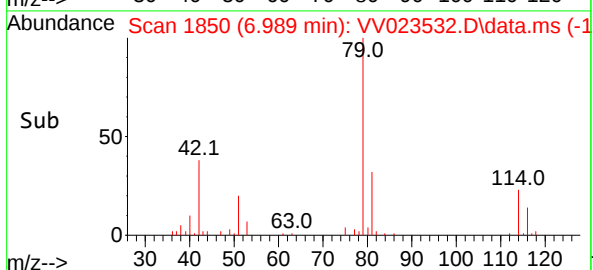
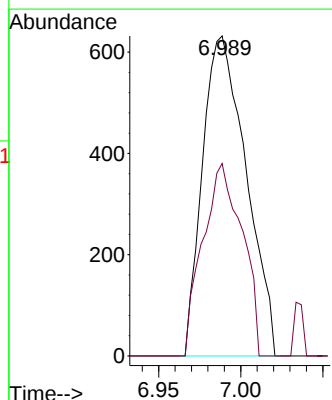
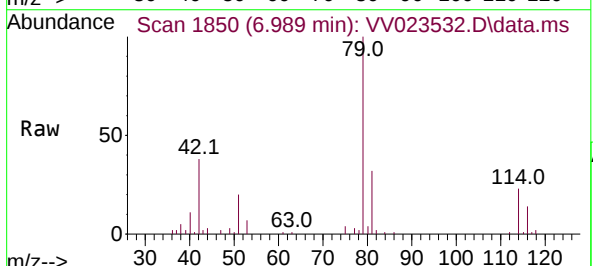
Acq: 16 Nov 2021 14:24

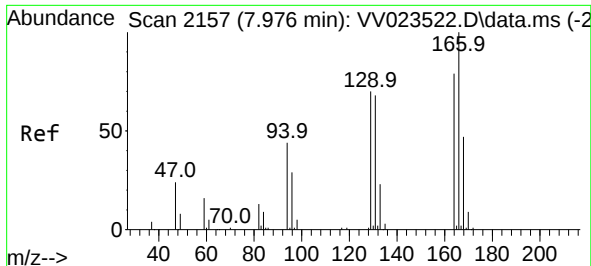
Tgt Ion: 75 Resp: 1165

Ion Ratio Lower Upper

75 100

77 60.1 21.6 40.2#



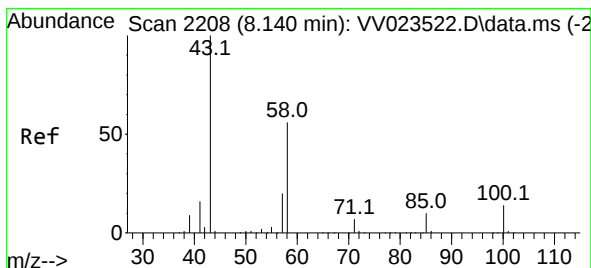
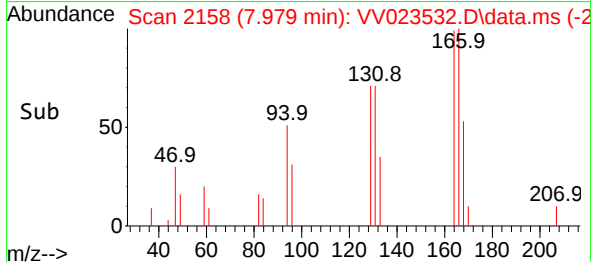
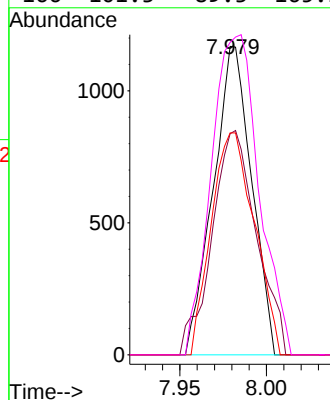
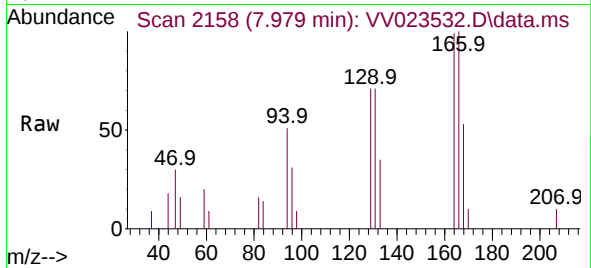


#47
Tetrachloroethene
Concen: 0.230 ug/L
RT: 7.979 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

Instrument :
MSVOA_V
ClientSampleId :
BG220

Tgt Ion:164 Resp: 1800

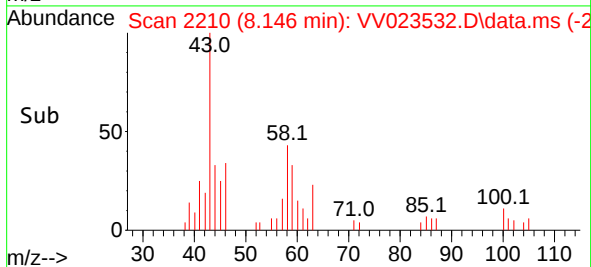
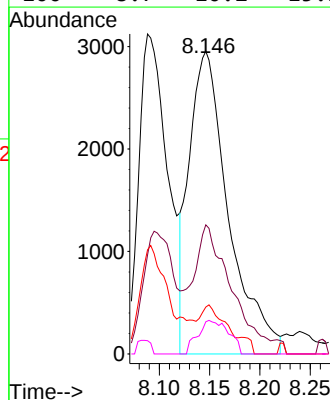
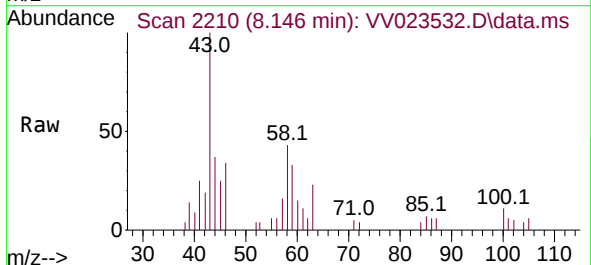
Ion	Ratio	Lower	Upper
164	100		
129	71.7	64.0	119.0
131	71.9	63.4	117.8
166	101.3	89.3	165.9

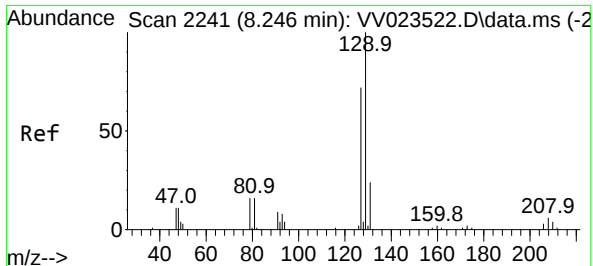


#48
2-Hexanone
Concen: 3.118 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VV023532.D
Acq: 16 Nov 2021 14:24

Tgt Ion: 43 Resp: 8020

Ion	Ratio	Lower	Upper
43	100		
58	40.8	43.7	65.5#
57	6.3	14.1	21.1#
100	8.7	10.2	15.2#





#49

Dibromochloromethane

Concen: 0.207 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.264 min

Lab File: VV023532.D

Acq: 16 Nov 2021 14:24

Instrument :

MSVOA_V

ClientSampleId :

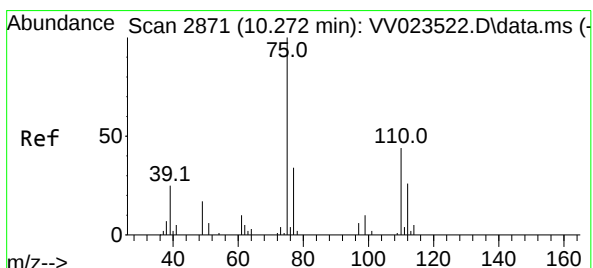
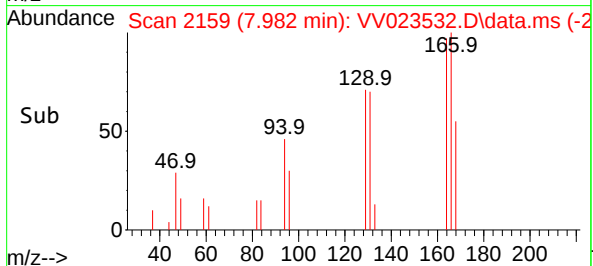
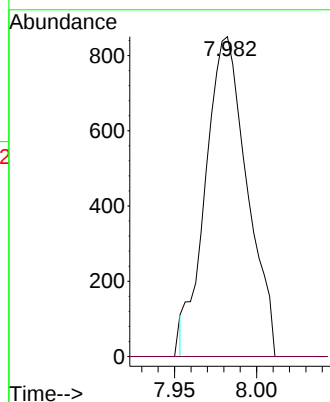
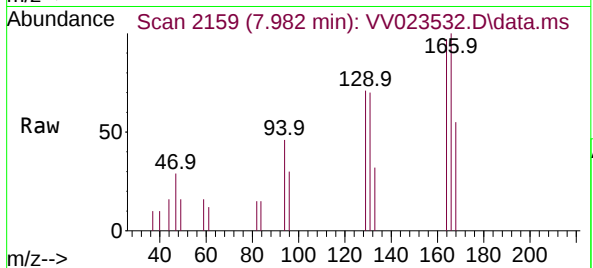
BG220

Tgt Ion:129 Resp: 1495

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.661 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023532.D

Acq: 16 Nov 2021 14:24

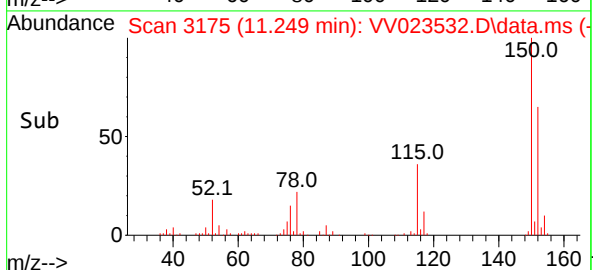
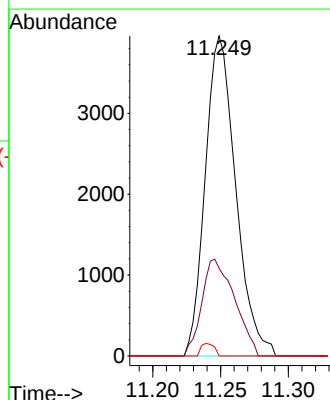
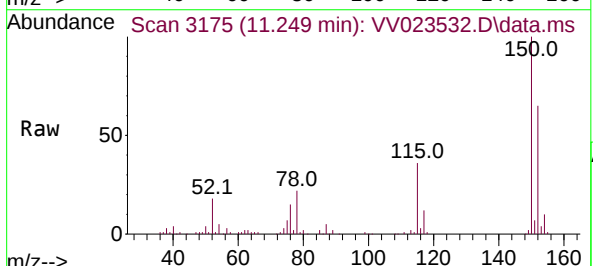
Tgt Ion: 75 Resp: 6185

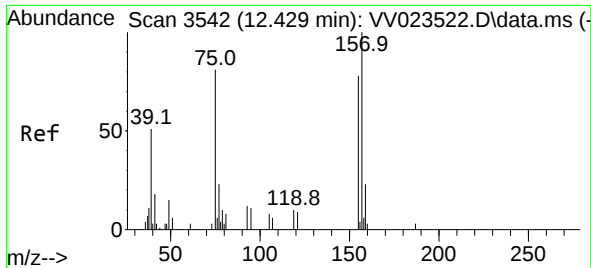
Ion Ratio Lower Upper

75 100

77 32.5 26.6 39.8

110 1.7 31.8 47.6#





#68

1,2-Dibromo-3-chloropropane

Concen: 0.111 ug/L

RT: 12.246 min Scan# 34

Delta R.T. -0.183 min

Lab File: VV023532.D

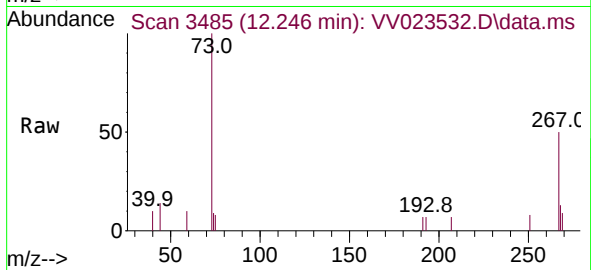
Acq: 16 Nov 2021 14:24

Instrument :

MSVOA_V

ClientSampleId :

BG220



Tgt Ion: 75 Resp: 88

Ion Ratio Lower Upper

75 100

155 0.0 67.7 101.5#

157 0.0 87.9 131.9#

