

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023505.D
 Acq On : 16 Nov 2021 00:20
 Operator : SY/MD
 Sample : M4617-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG219

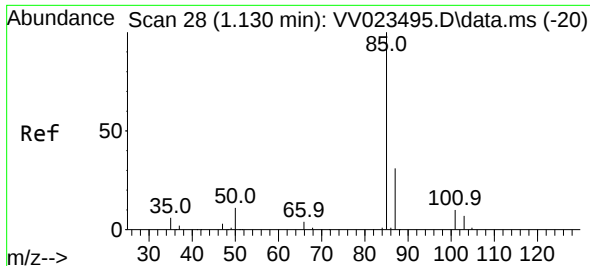
Quant Time: Nov 16 05:17:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 02:06:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	123364	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	124373	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55031	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39399	5.098	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	102.000%	
7) Chloroethane-d5	1.571	69	31241	4.960	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	99.200%	
11) 1,1-Dichloroethene-d2	2.111	63	52637	3.638	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	72.800%	
20) 2-Butanone-d5	3.912	46	71405	53.630	ug/L	0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	107.260%	
24) Chloroform-d	4.349	84	74076	4.498	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.000%	
26) 1,2-Dichloroethane-d4	5.037	65	35522	4.796	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.000%	
32) Benzene-d6	5.053	84	143681	4.502	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.000%	
36) 1,2-Dichloropropane-d6	6.072	67	43634	4.645	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	92.800%	
41) Toluene-d8	7.317	98	123405	4.127	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	82.600%	
43) trans-1,3-Dichloroprop...	7.625	79	14938	4.194	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	83.800%	
46) 2-Hexanone-d5	8.092	63	44872	34.239	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	68.480%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	26057	3.857	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	77.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	47682	5.204	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	104.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	91238	7.585	ug/L	99
3) Chloromethane	1.130	50	10144	0.992	ug/L #	42
8) Chloroethane	1.307	64	546	0.093	ug/L #	1
9) Trichlorofluoromethane	1.754	101	10729	0.699	ug/L	97
12) 1,1-Dichloroethene	2.111	96	669	0.091	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	14612	0.902	ug/L	96
19) 1,1-Dichloroethane	3.191	63	9137	0.598	ug/L	94
22) cis-1,2-Dichloroethene	3.912	96	647	0.074	ug/L #	82
34) Trichloroethene	5.915	95	15712	1.700	ug/L	94
35) Methylcyclohexane	6.072	83	11001	0.754	ug/L #	18
37) 1,2-Dichloropropane	6.076	63	5133	0.633	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1186	0.102	ug/L #	77
47) Tetrachloroethene	7.979	164	4892	0.611	ug/L	96
48) 2-Hexanone	8.149	43	7998	3.033	ug/L #	88
49) Dibromochloromethane	7.979	129	4466	0.604	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	5973	1.634	ug/L #	66

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

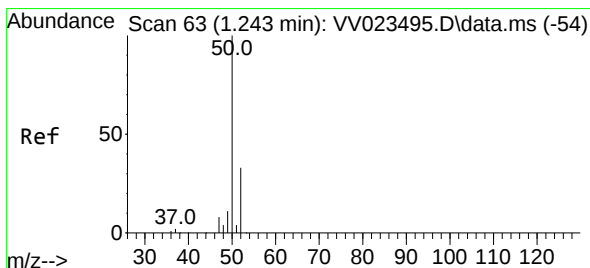
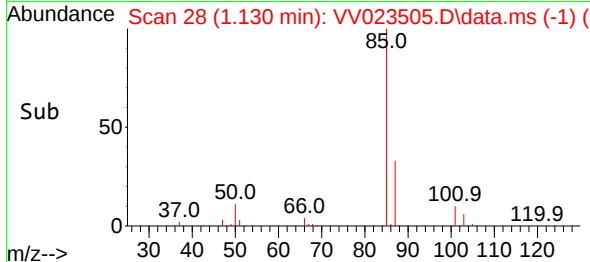
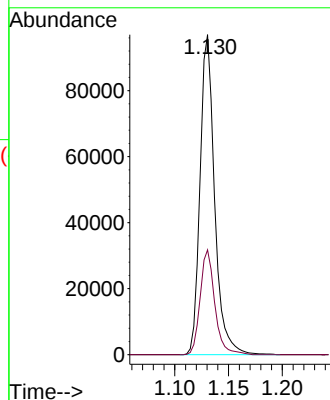
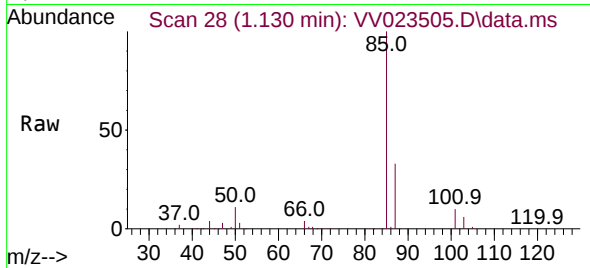
Instrument :
MSVOA_V
ClientSampleId :
BG219



#2
 Dichlorodifluoromethane
 Concen: 7.585 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV023505.D
 Acq: 16 Nov 2021 00:20

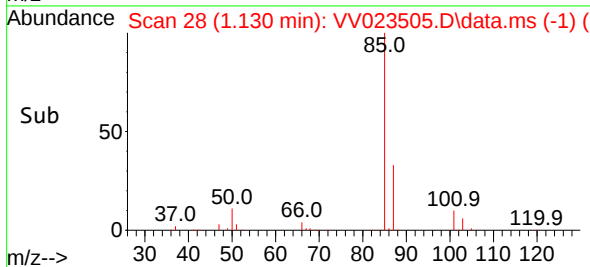
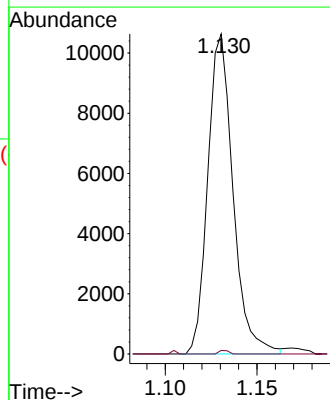
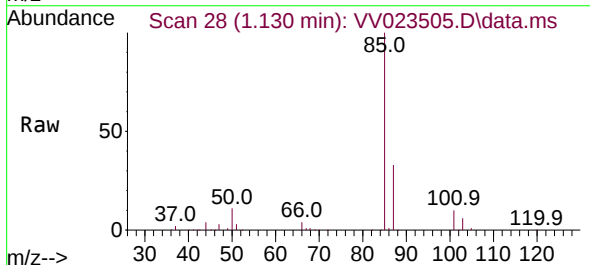
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 MSVOA_V
 ClientSampleId :
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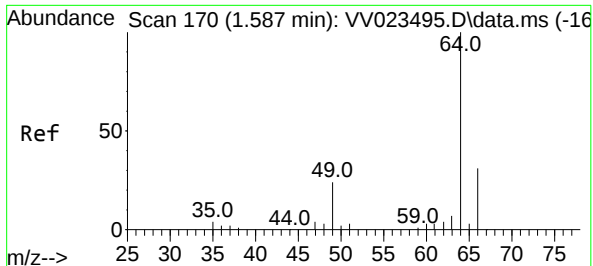
Tgt Ion: 85 Resp: 91238
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.6 39.8



#3
 Chloromethane
 Concen: 0.992 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.113 min
 Lab File: VV023505.D
 Acq: 16 Nov 2021 00:20

Tgt Ion: 50 Resp: 10144
 Ion Ratio Lower Upper
 50 100
 52 1.1 24.3 45.1#





#8

Chloroethane

Concen: 0.093 ug/L

RT: 1.307 min Scan# 81

Delta R.T. -0.280 min

Lab File: VV023505.D

Acq: 16 Nov 2021 00:20

Instrument :

MSVOA_V

ClientSampleId :

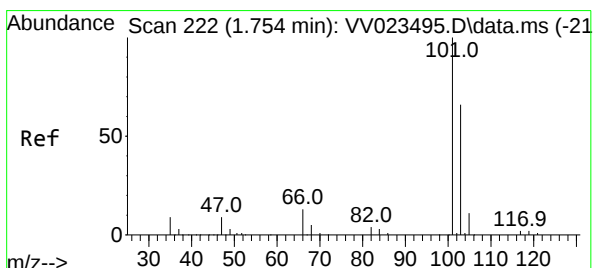
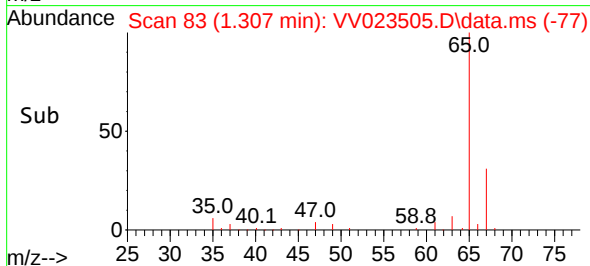
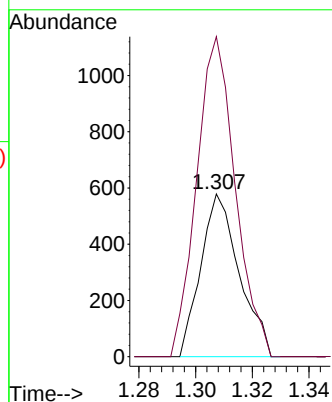
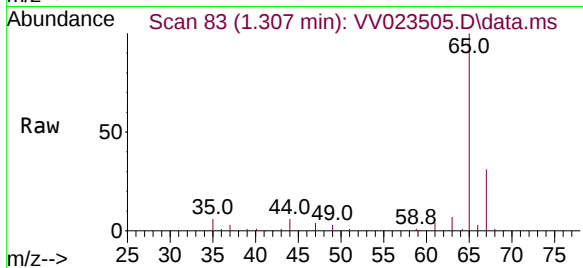
BG219

Tgt Ion: 64 Resp: 546

Ion Ratio Lower Upper

64 100

66 196.5 22.1 41.1#



#9

Trichlorofluoromethane

Concen: 0.699 ug/L

RT: 1.754 min Scan# 222

Delta R.T. 0.000 min

Lab File: VV023505.D

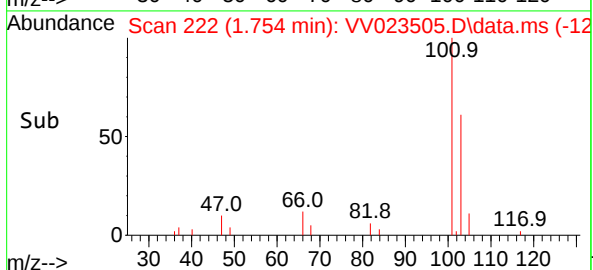
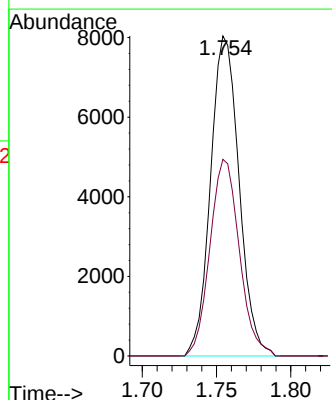
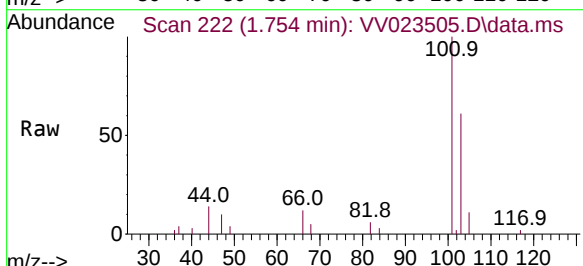
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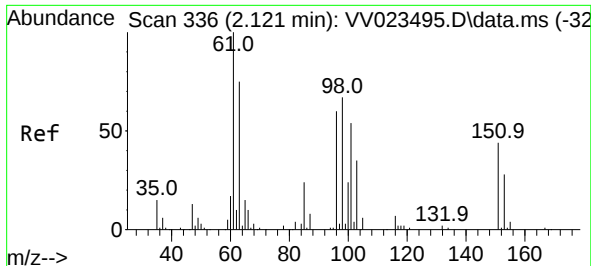
Tgt Ion:101 Resp: 10729

Ion Ratio Lower Upper

101 100

103 63.4 52.6 79.0

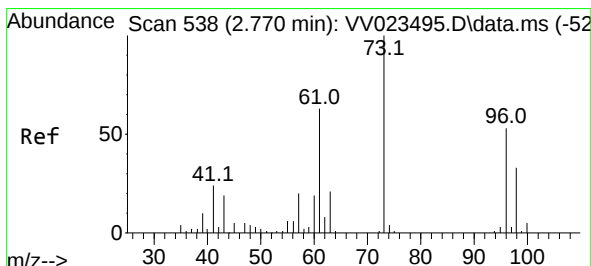
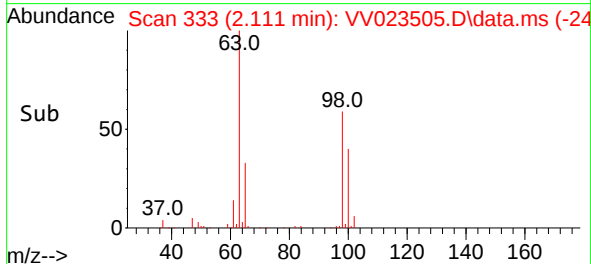
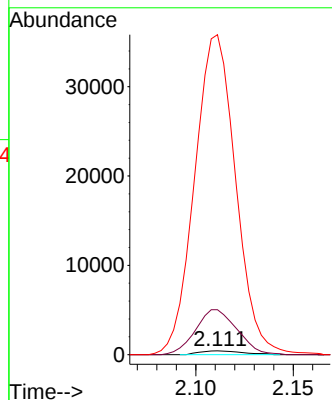
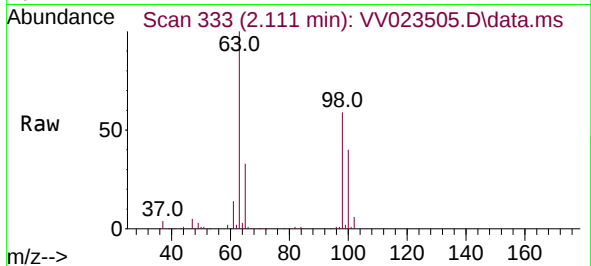




#12
1,1-Dichloroethene
Concen: 0.091 ug/L
RT: 2.111 min Scan# 311
Delta R.T. -0.010 min
Lab File: VV023505.D
Acq: 16 Nov 2021 00:20

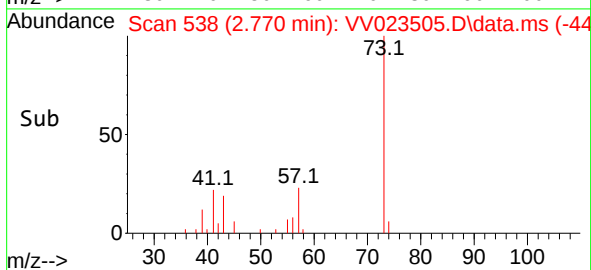
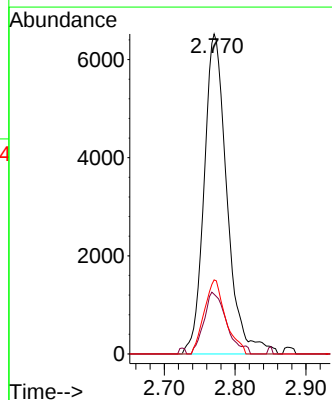
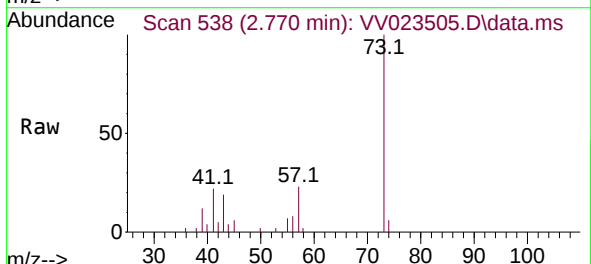
Instrument :
MSVOA_V
ClientSampleId :
BG219

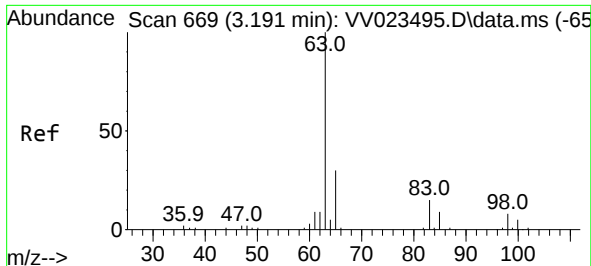
Tgt Ion: 96 Resp: 669
Ion Ratio Lower Upper
96 100
61 1177.0 121.5 225.7#
63 8389.7 99.6 185.0#



#17
Methyl tert-butyl Ether
Concen: 0.902 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.000 min
Lab File: VV023505.D
Acq: 16 Nov 2021 00:20

Tgt Ion: 73 Resp: 14612
Ion Ratio Lower Upper
73 100
43 19.0 17.4 26.0
57 21.6 16.5 24.7





#19

1,1-Dichloroethane

Concen: 0.598 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.000 min

Lab File: VV023505.D

Acq: 16 Nov 2021 00:20

Instrument :

MSVOA_V

ClientSampleId :

BG219

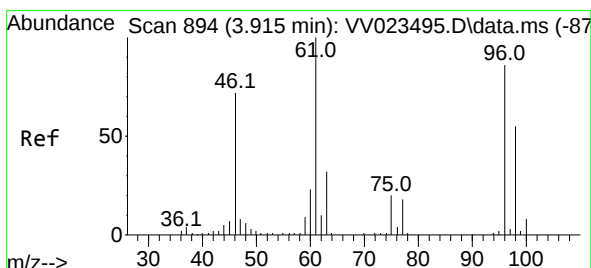
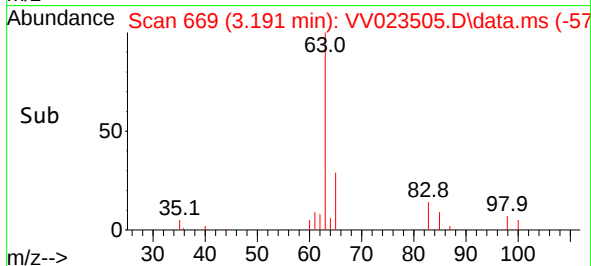
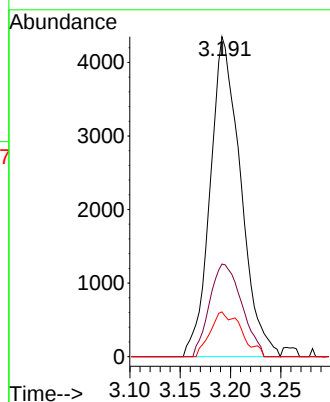
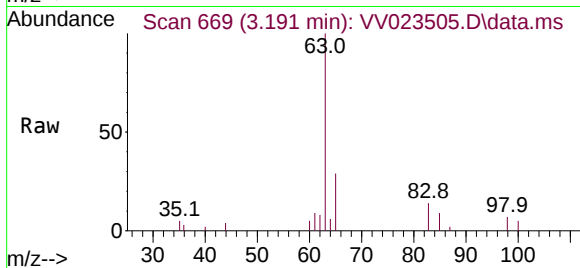
Tgt Ion: 63 Resp: 9137

Ion Ratio Lower Upper

63 100

65 28.9 22.6 42.0

83 14.0 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 0.074 ug/L

RT: 3.912 min Scan# 893

Delta R.T. -0.003 min

Lab File: VV023505.D

Acq: 16 Nov 2021 00:20

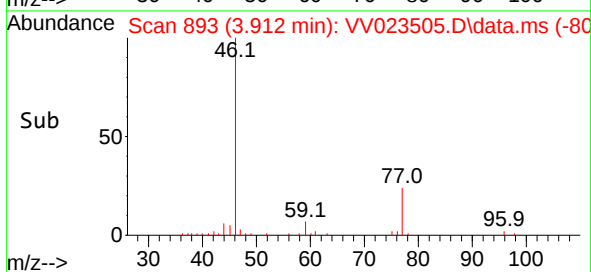
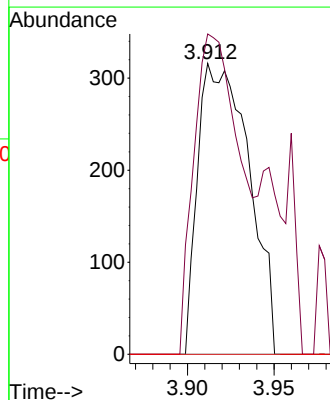
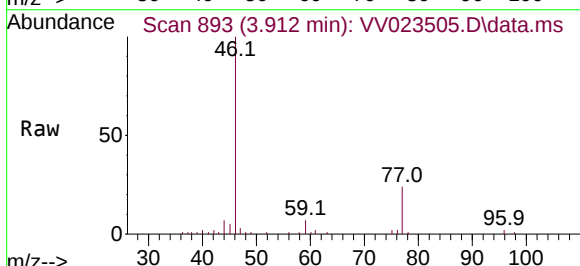
Tgt Ion: 96 Resp: 647

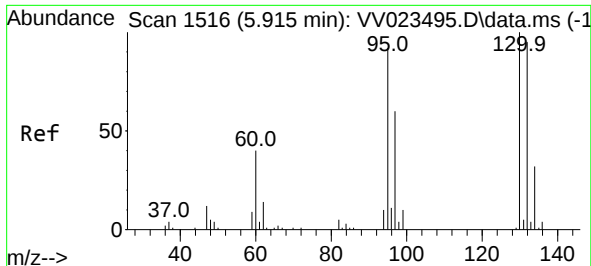
Ion Ratio Lower Upper

96 100

61 110.1 92.3 171.3

68 0.0 0.4 0.8

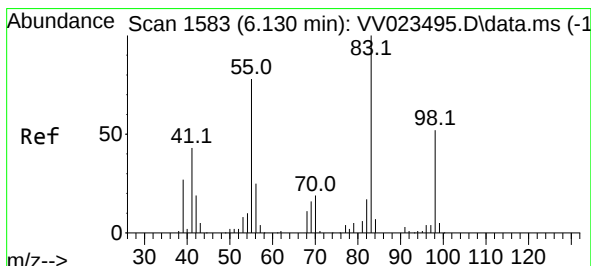
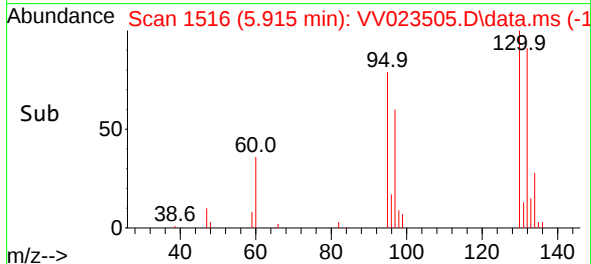
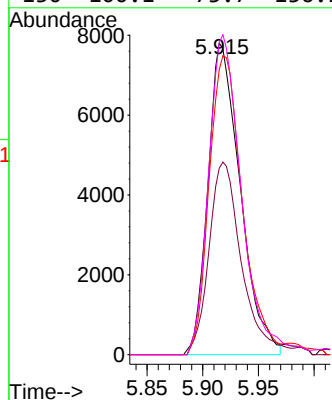
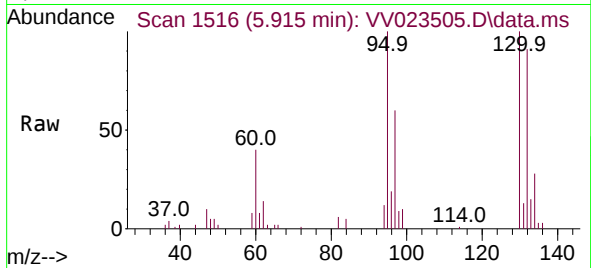




#34
Trichloroethene
Concen: 1.700 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VV023505.D
Acq: 16 Nov 2021 00:20

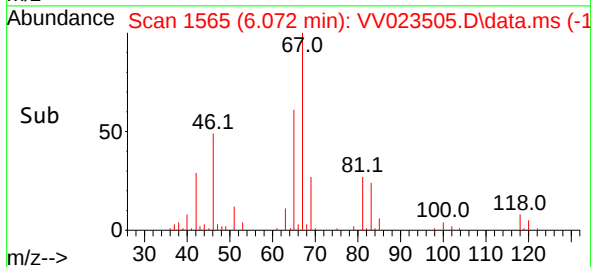
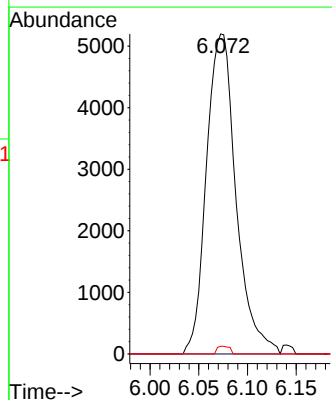
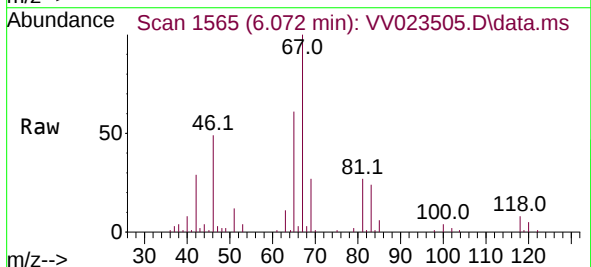
Instrument :
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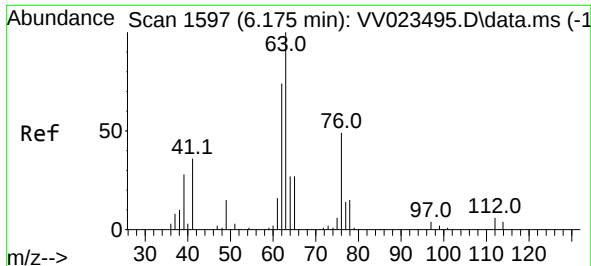
Tgt Ion:	95	Resp:	15712
Ion	Ratio	Lower	Upper
95	100		
97	59.8	45.0	83.6
132	91.5	69.7	129.4
130	100.1	73.7	136.9



#35
Methylcyclohexane
Concen: 0.754 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV023505.D
Acq: 16 Nov 2021 00:20

Tgt Ion:	83	Resp:	11001
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.8	94.2#
98	1.0	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.633 ug/L

RT: 6.076 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023505.D

Acq: 16 Nov 2021 00:20

Instrument :

MSVOA_V

ClientSampleId :

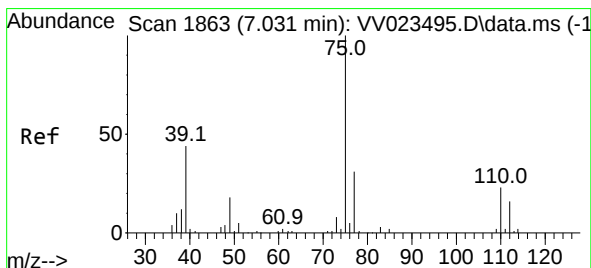
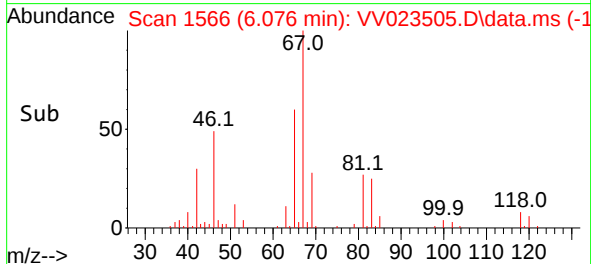
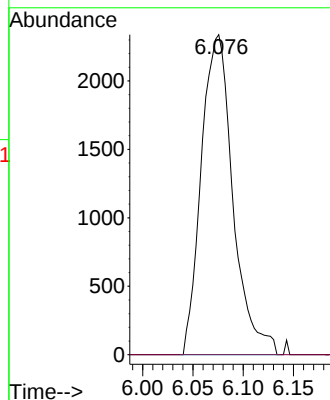
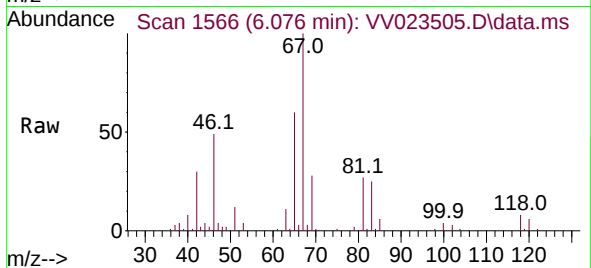
BG219

Tgt Ion: 63 Resp: 5133

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. -0.042 min

Lab File: VV023505.D

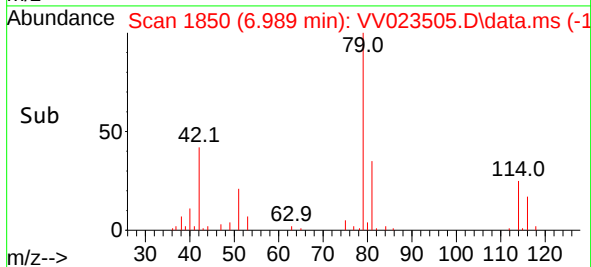
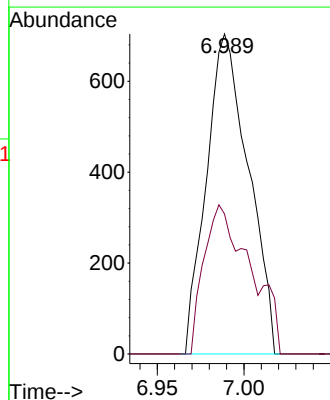
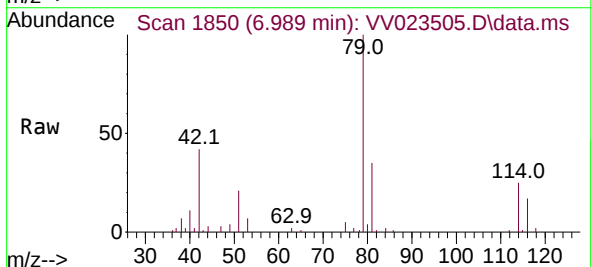
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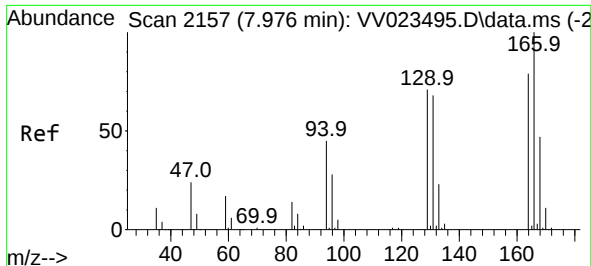
Tgt Ion: 75 Resp: 1186

Ion Ratio Lower Upper

75 100

77 43.8 21.6 40.2#





#47

Tetrachloroethene

Concen: 0.611 ug/L

RT: 7.979 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV023505.D

Acq: 16 Nov 2021 00:20

Instrument :

MSVOA_V

ClientSampleId :

BG219

Tgt Ion:164 Resp: 4892

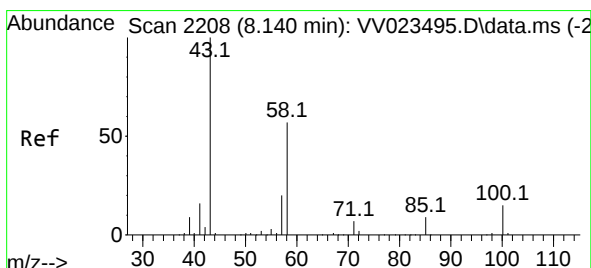
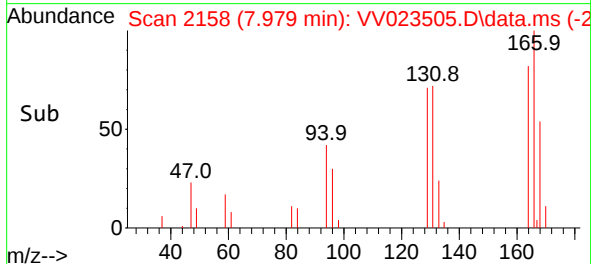
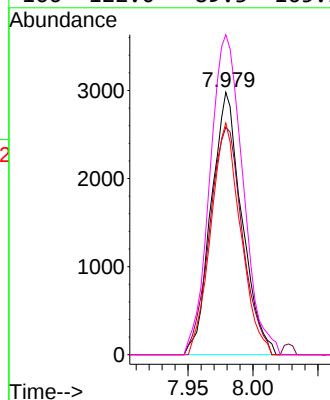
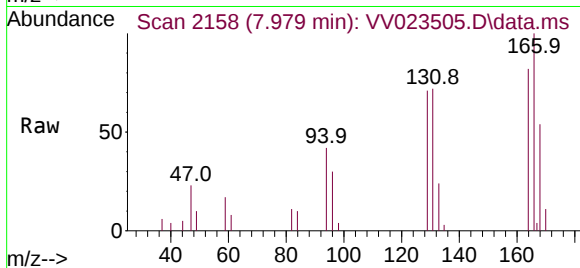
Ion Ratio Lower Upper

164 100

129 86.7 64.0 119.0

131 88.3 63.4 117.8

166 122.0 89.3 165.9



#48

2-Hexanone

Concen: 3.033 ug/L

RT: 8.149 min Scan# 2211

Delta R.T. 0.010 min

Lab File: VV023505.D

Acq: 16 Nov 2021 00:20

Tgt Ion: 43 Resp: 7998

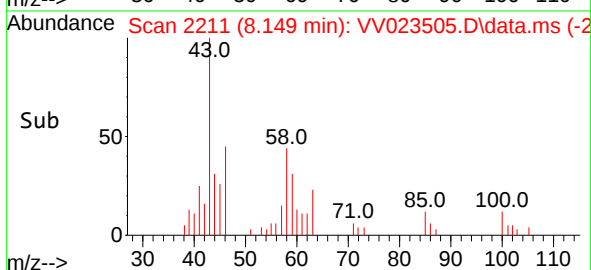
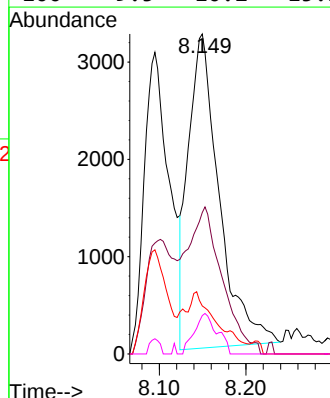
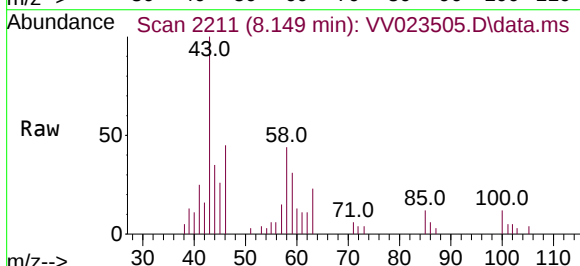
Ion Ratio Lower Upper

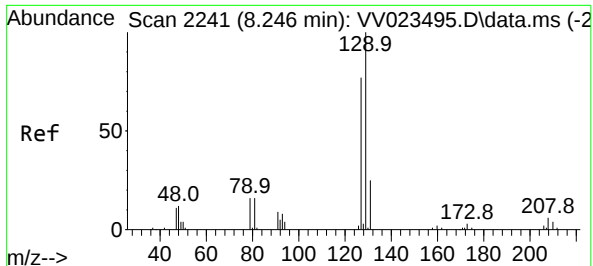
43 100

58 44.4 43.7 65.5

57 21.3 14.1 21.1#

100 9.5 10.2 15.2#

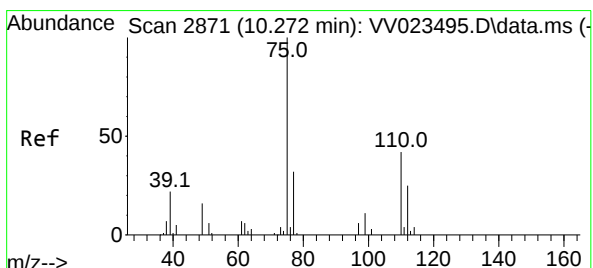
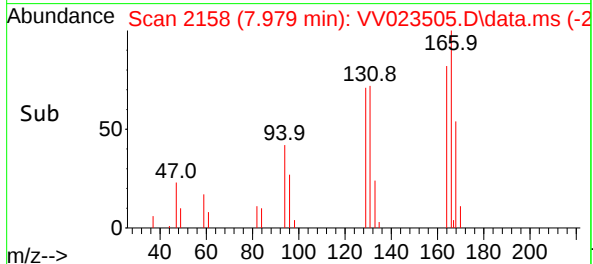
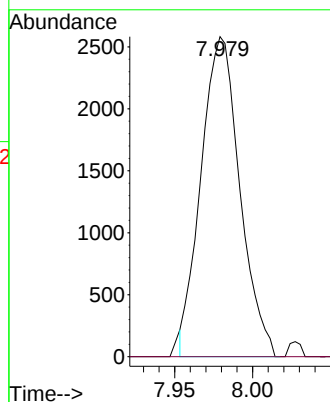
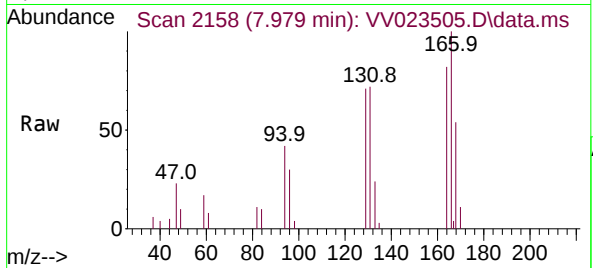




#49
Dibromochloromethane
Concen: 0.604 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV023505.D
Acq: 16 Nov 2021 00:20

Instrument :
MSVOA_V
ClientSampleId :
BG219

Tgt Ion:129 Resp: 4466
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



#61
1,2,3-Trichloropropane
Concen: 1.634 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV023505.D
Acq: 16 Nov 2021 00:20

Tgt Ion: 75 Resp: 5973
Ion Ratio Lower Upper
75 100
77 33.3 26.6 39.8
110 1.8 31.8 47.6#

