

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023503.D
 Acq On : 15 Nov 2021 23:32
 Operator : SY/MD
 Sample : M4617-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG217

Quant Time: Nov 16 05:16:39 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)

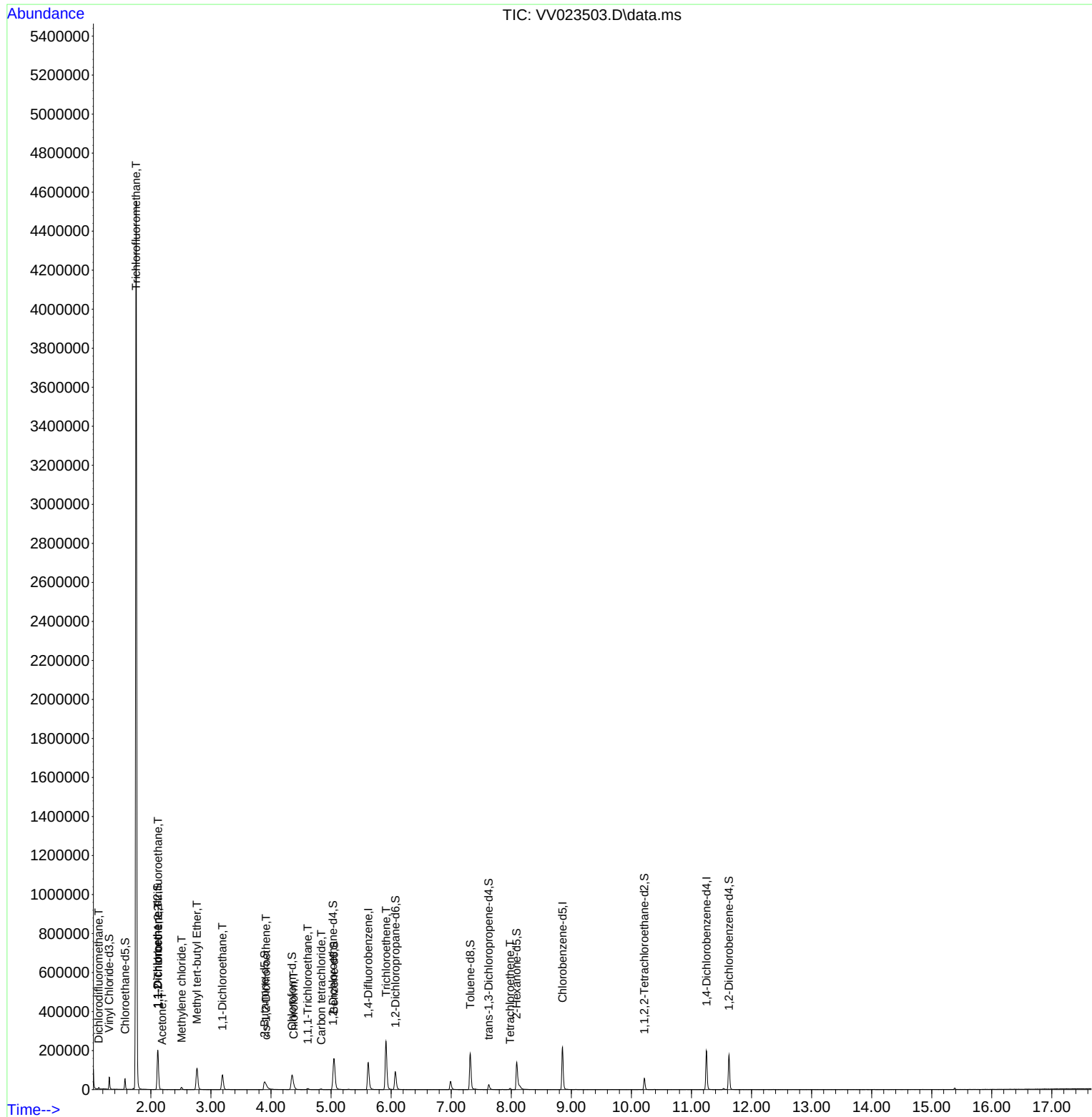
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	124877	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	124256	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55772	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39635	5.066	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	101.400%	
7) Chloroethane-d5	1.571	69	32216	5.053	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	101.000%	
11) 1,1-Dichloroethene-d2	2.111	63	58470	3.992	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	79.800%	
20) 2-Butanone-d5	3.892	46	73570	54.586	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	109.180%	
24) Chloroform-d	4.352	84	75466	4.526	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.600%	
26) 1,2-Dichloroethane-d4	5.034	65	36500	4.869	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	97.400%	
32) Benzene-d6	5.050	84	145197	4.554	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.000%	
36) 1,2-Dichloropropane-d6	6.072	67	43831	4.670	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.400%	
41) Toluene-d8	7.317	98	125284	4.193	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	83.800%	
43) trans-1,3-Dichloroprop...	7.625	79	15188	4.268	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.400%	
46) 2-Hexanone-d5	8.088	63	45458	34.719	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	69.440%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27064	4.010	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	80.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	47247	5.088	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	101.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	1355	0.111	ug/L	93
9) Trichlorofluoromethane	1.754	101	2509902	161.556	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	33059	4.227	ug/L	98
12) 1,1-Dichloroethene	2.121	96	9148	1.228	ug/L #	1
13) Acetone	2.185	43	1293	1.570	ug/L	82
16) Methylene chloride	2.513	84	5057	0.465	ug/L	96
17) Methyl tert-butyl Ether	2.767	73	110157	6.720	ug/L	96
19) 1,1-Dichloroethane	3.191	63	73816	4.776	ug/L	98
22) cis-1,2-Dichloroethene	3.918	96	3448	0.391	ug/L #	77
25) Chloroform	4.378	83	13147	0.798	ug/L	94
29) 1,1,1-Trichloroethane	4.613	97	4382	0.290	ug/L	97
31) Carbon tetrachloride	4.838	117	2408	0.178	ug/L	98
34) Trichloroethene	5.915	95	82414	8.923	ug/L	94
47) Tetrachloroethene	7.982	164	1434	0.179	ug/L	90

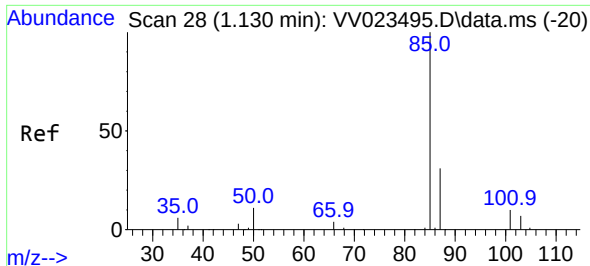
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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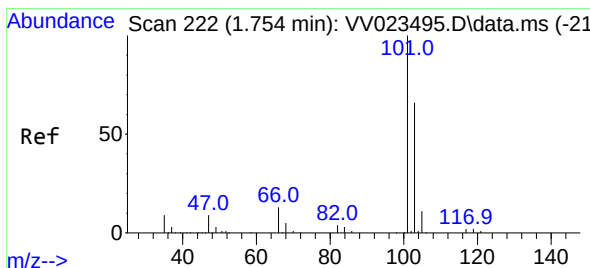
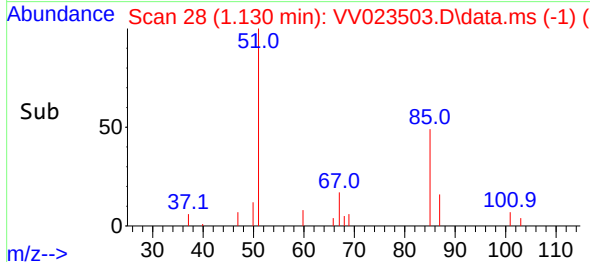
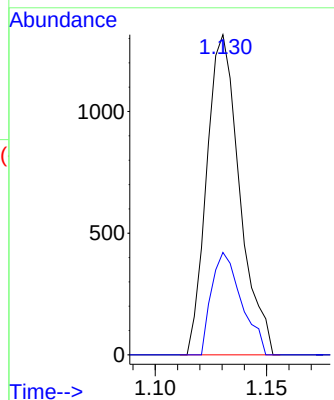
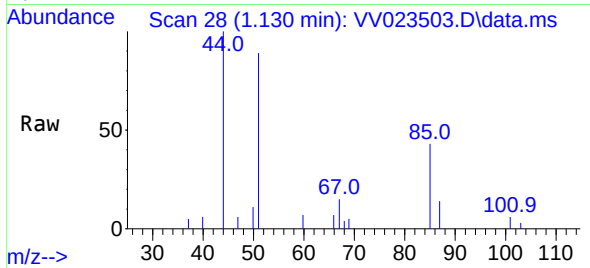




#2
Dichlorodifluoromethane
Concen: 0.111 ug/L
RT: 1.130 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

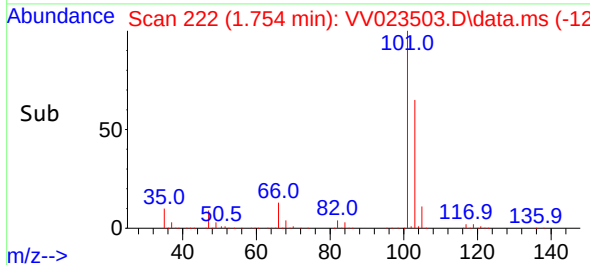
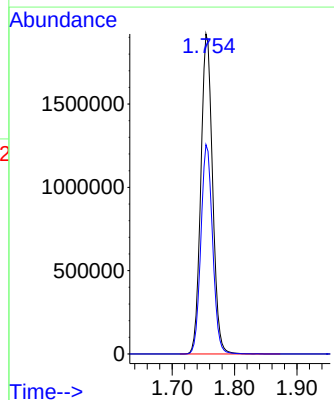
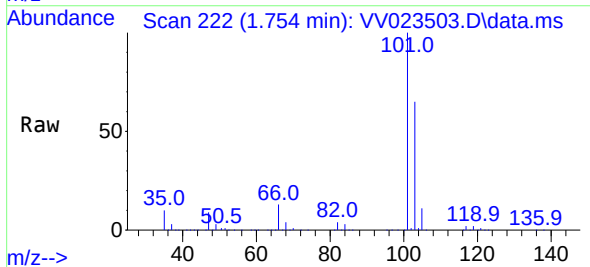
Instrument :
MSVOA_V
ClientSampleId :
BG217

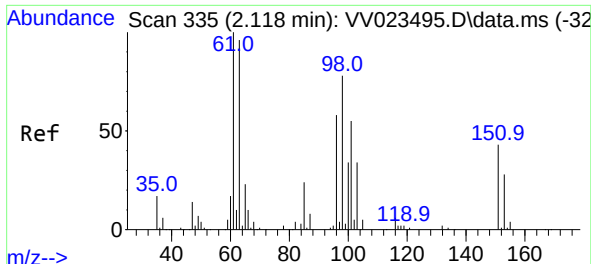
Tgt Ion: 85 Resp: 1355
Ion Ratio Lower Upper
85 100
87 29.0 26.6 39.8



#9
Trichlorofluoromethane
Concen: 161.556 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

Tgt Ion:101 Resp: 2509902
Ion Ratio Lower Upper
101 100
103 65.3 52.6 79.0

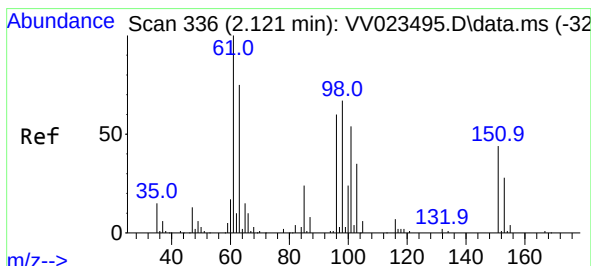
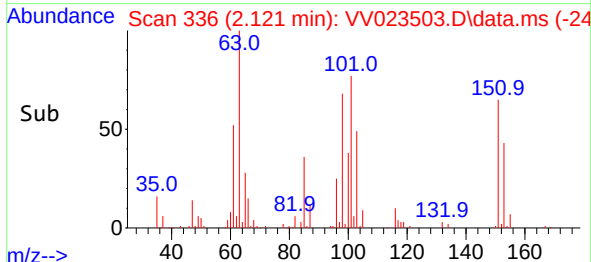
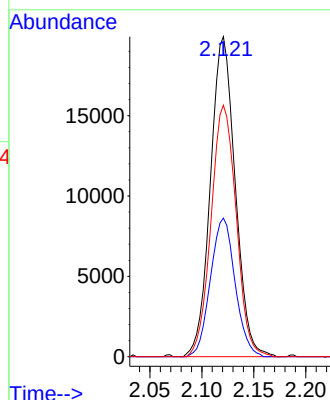
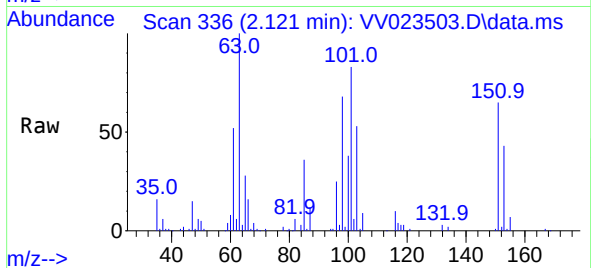




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.227 ug/L
RT: 2.121 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

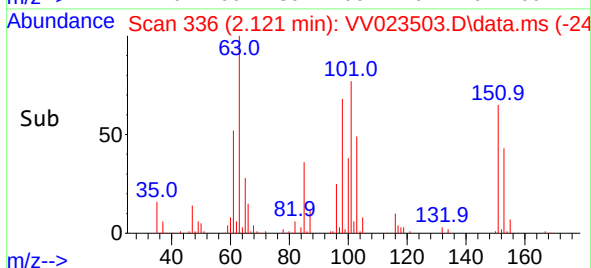
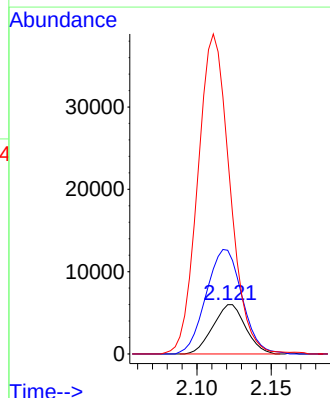
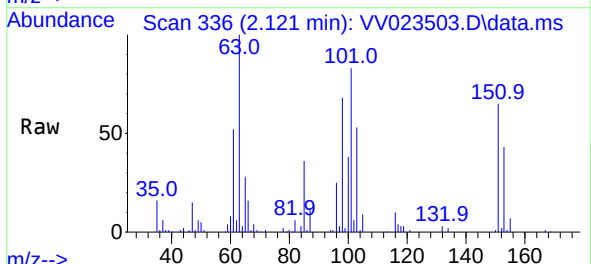
Instrument :
MSVOA_V
ClientSampleId :
BG217

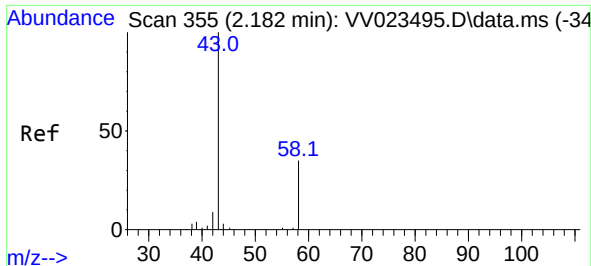
Tgt Ion:101 Resp: 33059
Ion Ratio Lower Upper
101 100
85 43.0 35.3 52.9
151 79.6 62.2 93.2



#12
1,1-Dichloroethene
Concen: 1.228 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.000 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

Tgt Ion: 96 Resp: 9148
Ion Ratio Lower Upper
96 100
61 210.0 121.5 225.7
63 401.3 99.6 185.0#





#13

Acetone

Concen: 1.570 ug/L

RT: 2.185 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV023503.D

Acq: 15 Nov 2021 23:32

Instrument :

MSVOA_V

ClientSampleId :

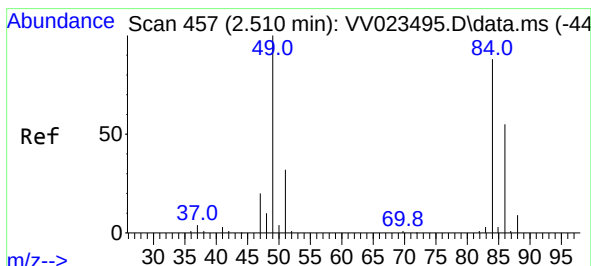
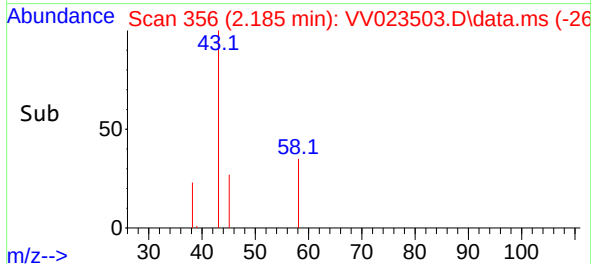
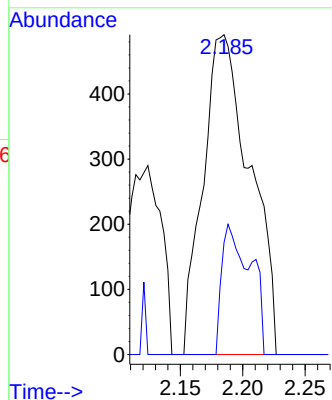
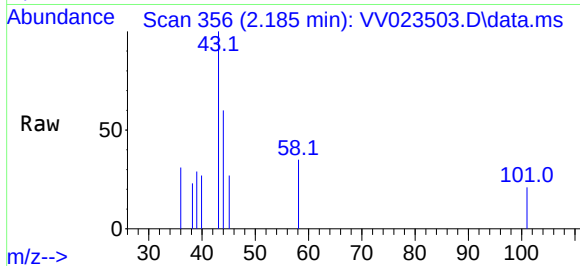
BG217

Tgt Ion: 43 Resp: 1293

Ion Ratio Lower Upper

43 100

58 18.4 0.0 55.4



#16

Methylene chloride

Concen: 0.465 ug/L

RT: 2.513 min Scan# 458

Delta R.T. 0.003 min

Lab File: VV023503.D

Acq: 15 Nov 2021 23:32

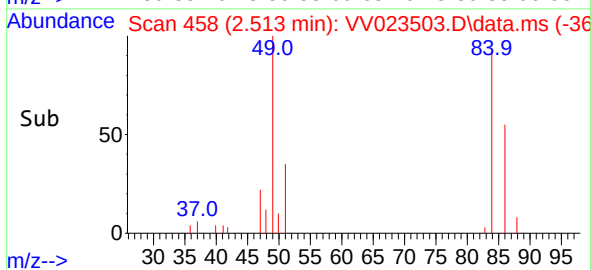
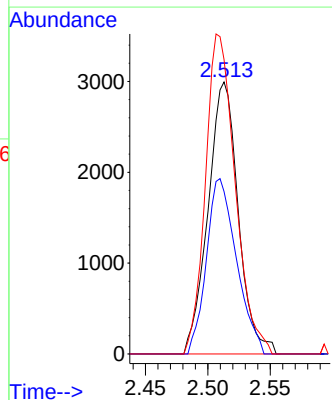
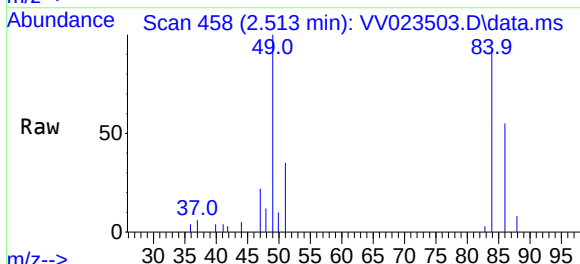
Tgt Ion: 84 Resp: 5057

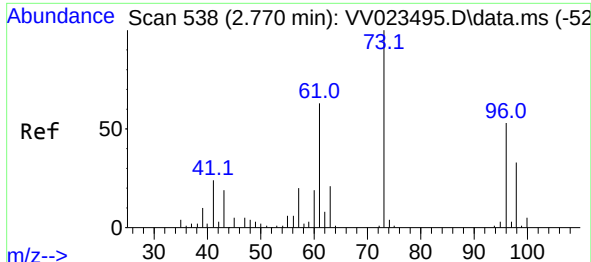
Ion Ratio Lower Upper

84 100

86 59.7 42.3 78.5

49 108.2 79.7 148.1





#17

Methyl tert-butyl Ether

Concen: 6.720 ug/L

RT: 2.767 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV023503.D

Acq: 15 Nov 2021 23:32

Instrument :

MSVOA_V

ClientSampleId :

BG217

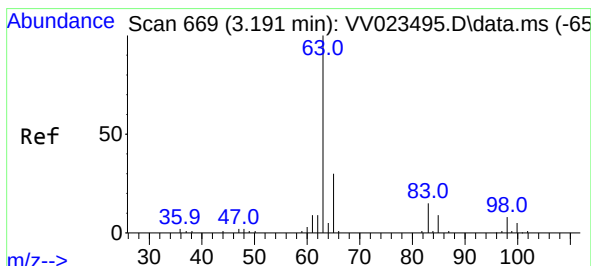
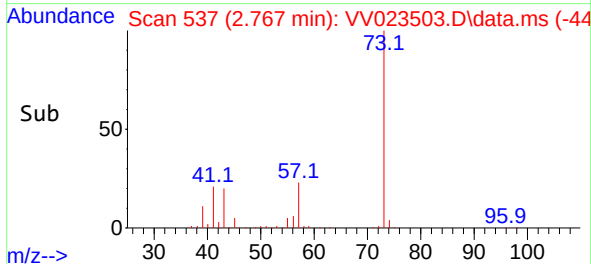
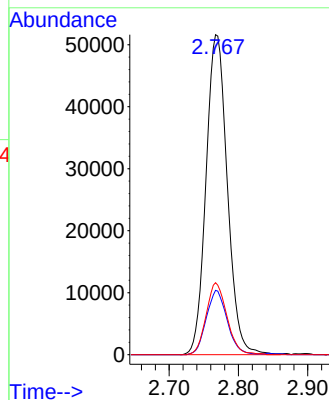
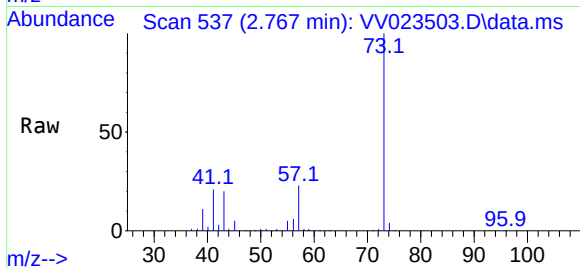
Tgt Ion: 73 Resp: 110157

Ion Ratio Lower Upper

73 100

43 19.8 17.4 26.0

57 22.0 16.5 24.7



#19

1,1-Dichloroethane

Concen: 4.776 ug/L

RT: 3.191 min Scan# 669

Delta R.T. -0.000 min

Lab File: VV023503.D

Acq: 15 Nov 2021 23:32

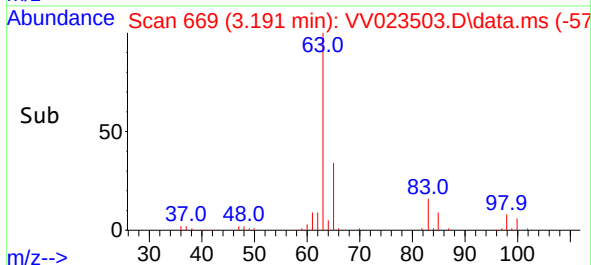
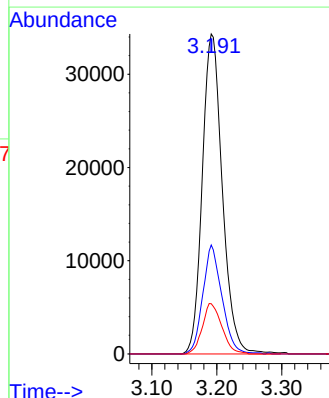
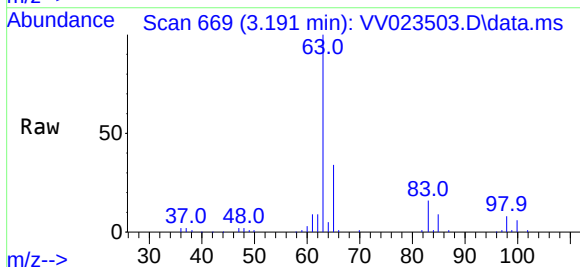
Tgt Ion: 63 Resp: 73816

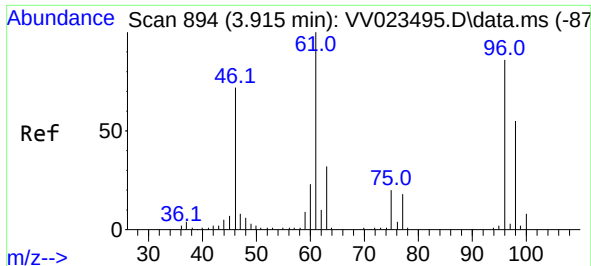
Ion Ratio Lower Upper

63 100

65 34.1 22.6 42.0

83 15.7 11.1 20.7

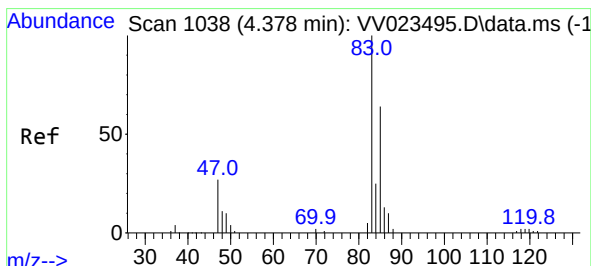
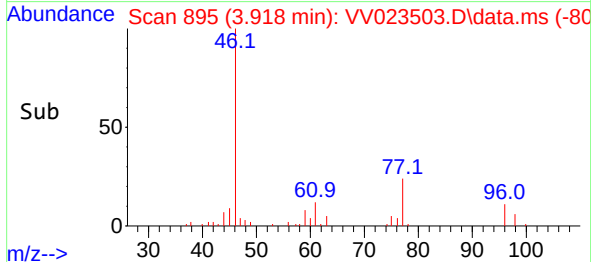
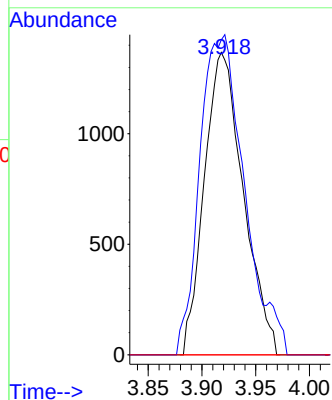
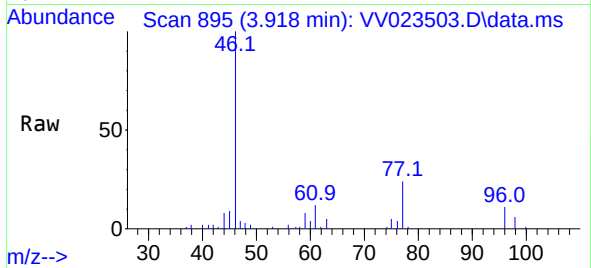




#22
 cis-1,2-Dichloroethene
 Concen: 0.391 ug/L
 RT: 3.918 min Scan# 894
 Delta R.T. 0.003 min
 Lab File: VV023503.D
 Acq: 15 Nov 2021 23:32

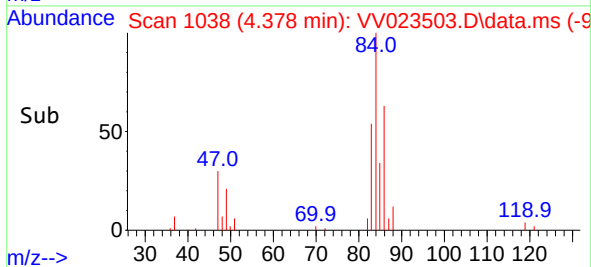
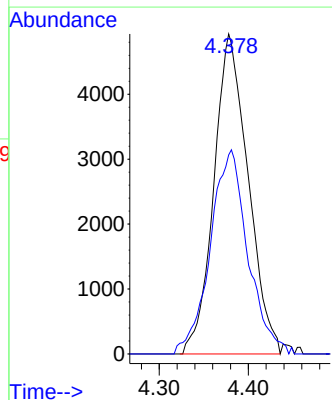
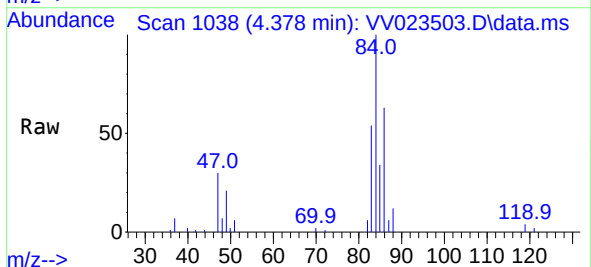
Instrument :
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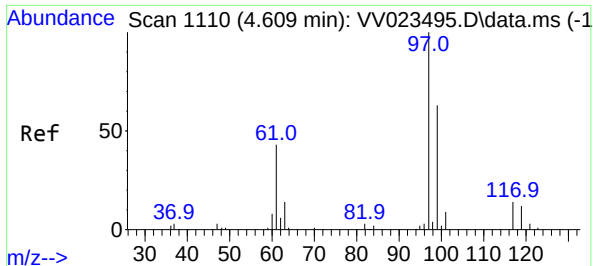
Tgt Ion: 96 Resp: 3448
 Ion Ratio Lower Upper
 96 100
 61 104.2 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.798 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VV023503.D
 Acq: 15 Nov 2021 23:32

Tgt Ion: 83 Resp: 13147
 Ion Ratio Lower Upper
 83 100
 85 62.2 46.8 86.8



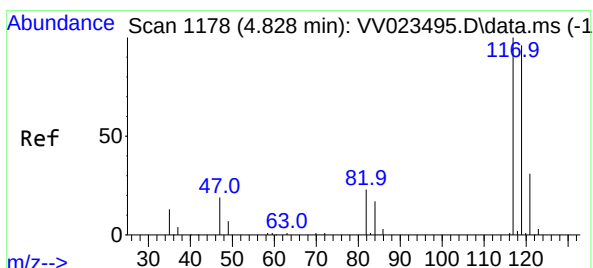
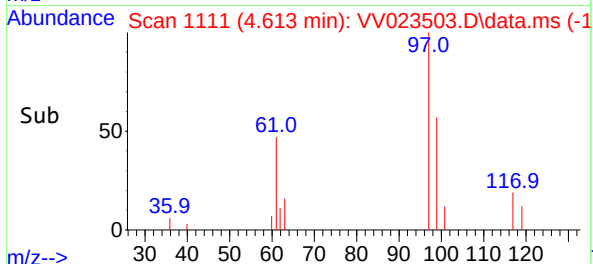
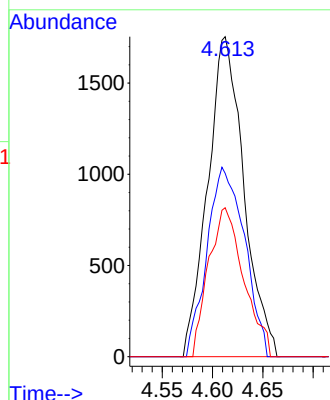
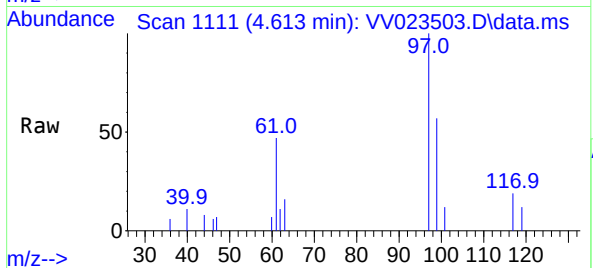


#29
1,1,1-Trichloroethane
Concen: 0.290 ug/L
RT: 4.613 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

Instrument :
MSVOA_V
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Tgt Ion: 97 Resp: 4382

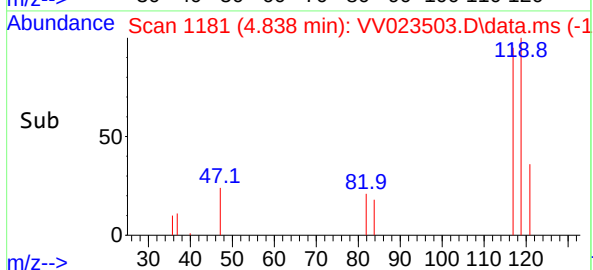
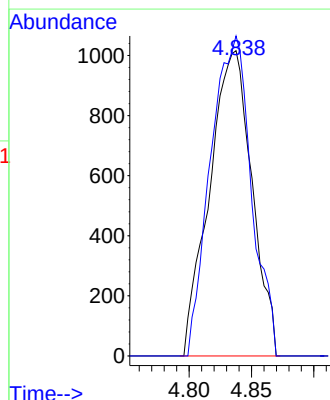
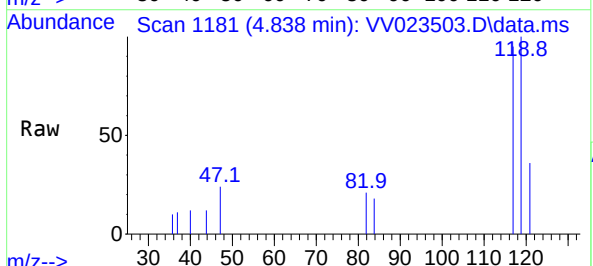
Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.0	76.4
61	45.3	34.1	51.1

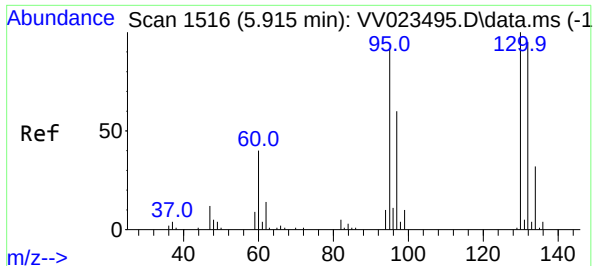


#31
Carbon tetrachloride
Concen: 0.178 ug/L
RT: 4.838 min Scan# 1181
Delta R.T. 0.010 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

Tgt Ion: 117 Resp: 2408

Ion	Ratio	Lower	Upper
117	100		
119	100.9	78.8	118.2



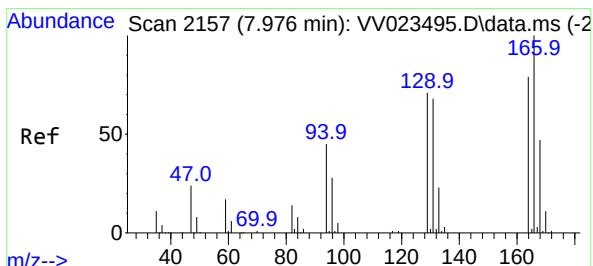
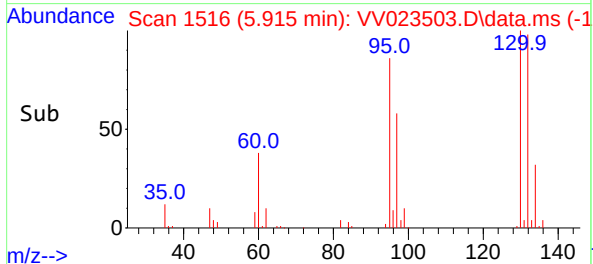
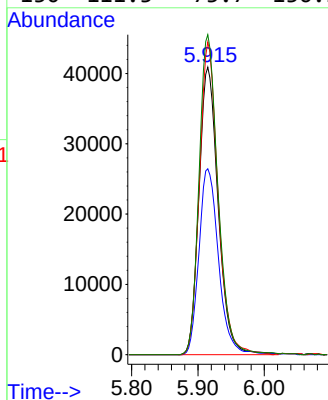
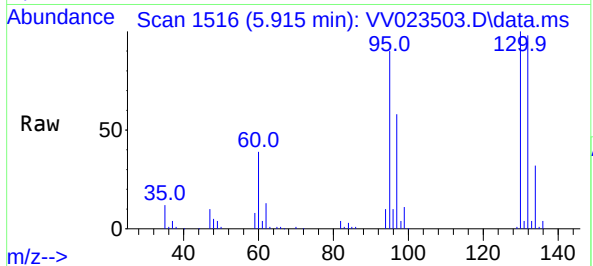


#34
Trichloroethene
Concen: 8.923 ug/L
RT: 5.915 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

Instrument :
MSVOA_V
ClientSampleId :
BG217

Tgt Ion: 95 Resp: 82414

Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.0	83.6
132	108.7	69.7	129.4
130	111.3	73.7	136.9



#47
Tetrachloroethene
Concen: 0.179 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

Tgt Ion: 164 Resp: 1434

Ion	Ratio	Lower	Upper
164	100		
129	94.7	64.0	119.0
131	94.3	63.4	117.8
166	148.8	89.3	165.9

