

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
35) Methylcyclohexane	6.072	83	11225	0.770	ug/L #	18
37) 1,2-Dichloropropane	6.066	63	4917	0.606	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1199	0.103	ug/L #	48
42) Toluene	7.397	91	2280	0.061	ug/L	80
47) Tetrachloroethene	7.982	164	1434	0.179	ug/L	90
48) 2-Hexanone	8.149	43	9652	3.663	ug/L #	94

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QLast Update : Tue Nov 16 02:06:43 2021
Response via : Initial Calibration

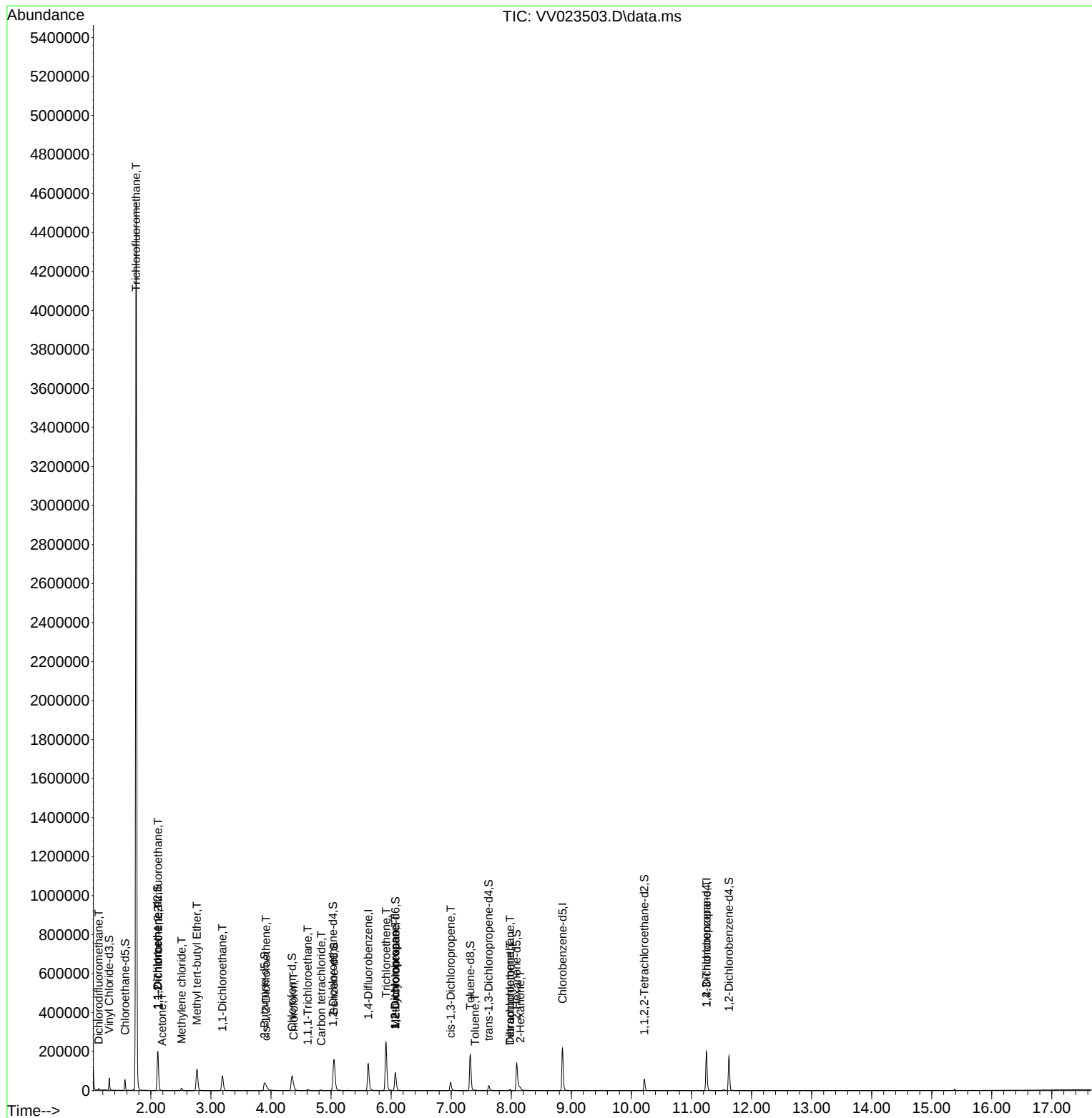
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.982	129	1357	0.184	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6140	1.657	ug/L #	62

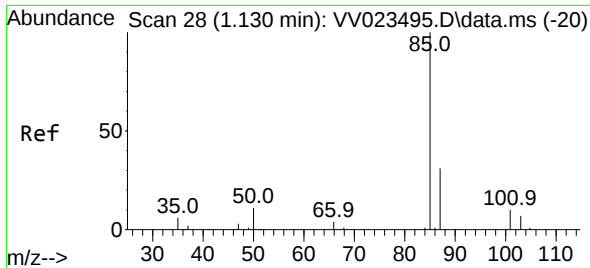
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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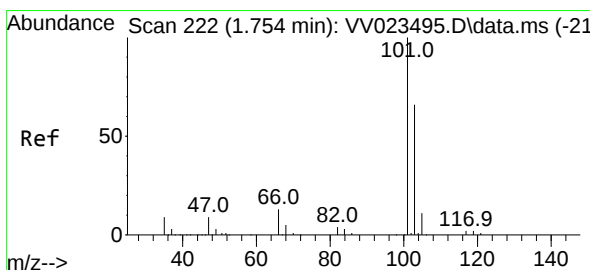
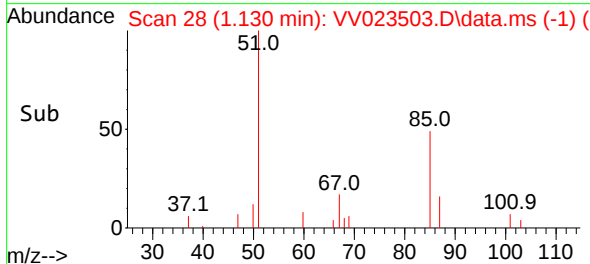
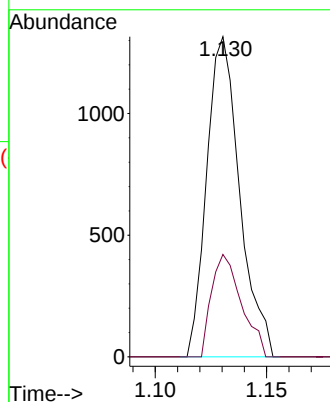
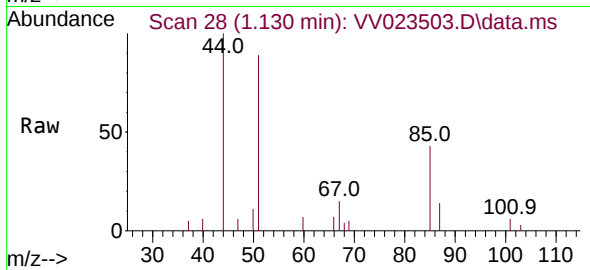




#2
 Dichlorodifluoromethane
 Concen: 0.111 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV023503.D
 Acq: 15 Nov 2021 23:32

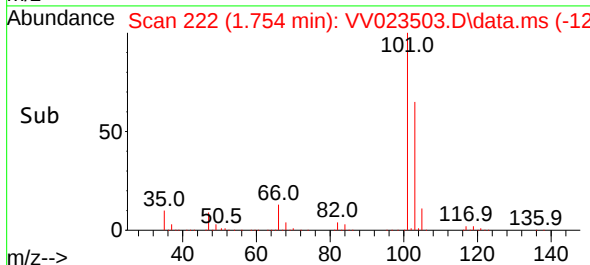
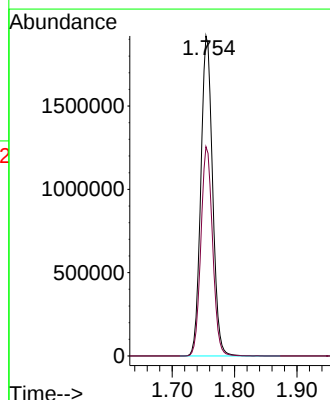
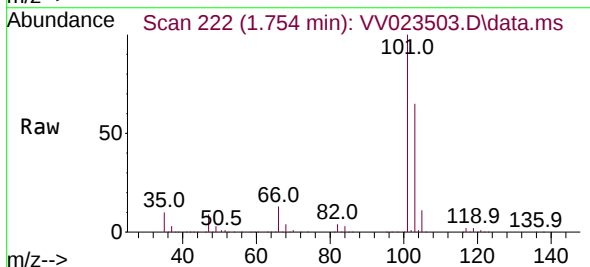
Instrument :
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 ClientSampleId :
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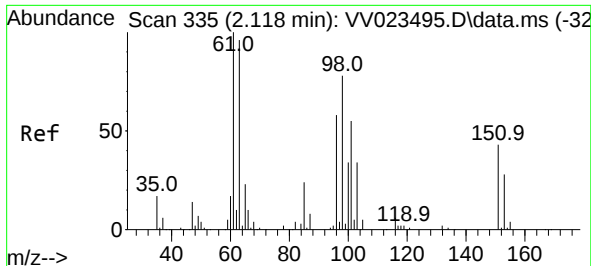
Tgt Ion: 85 Resp: 1355
 Ion Ratio Lower Upper
 85 100
 87 29.0 26.6 39.8



#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

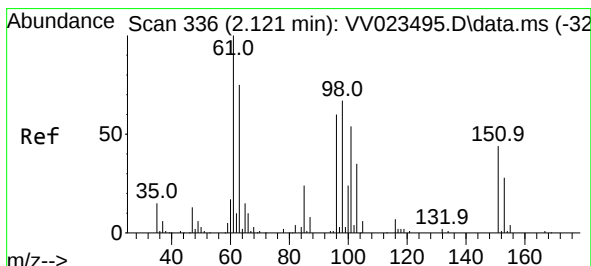
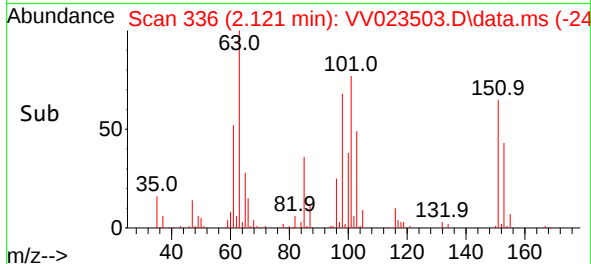
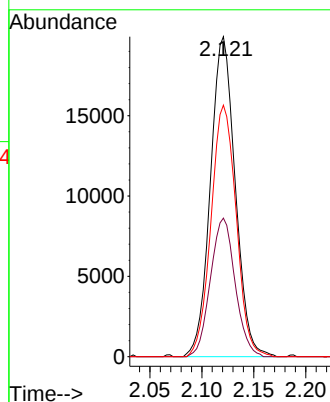
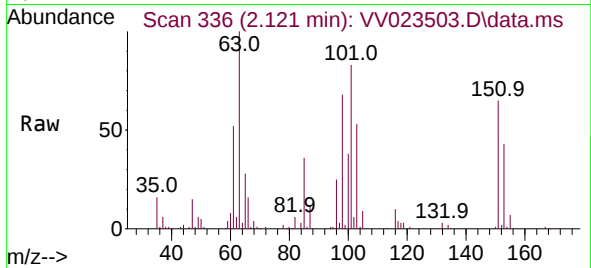




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.227 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV023503.D
 Acq: 15 Nov 2021 23:32

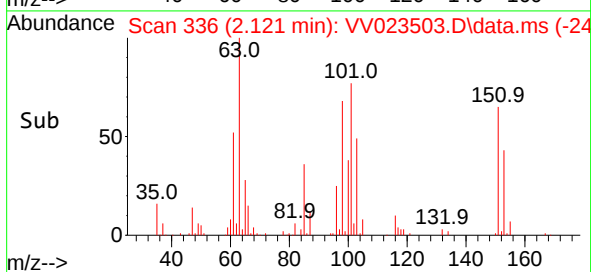
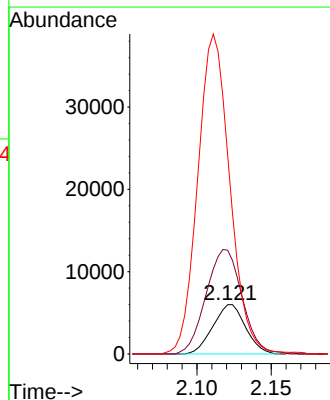
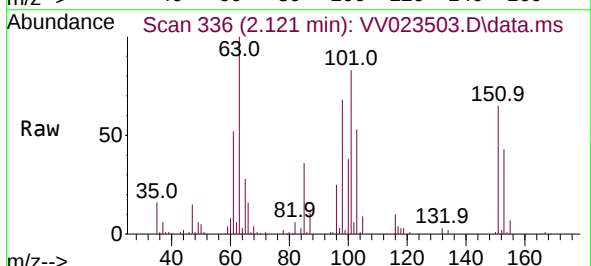
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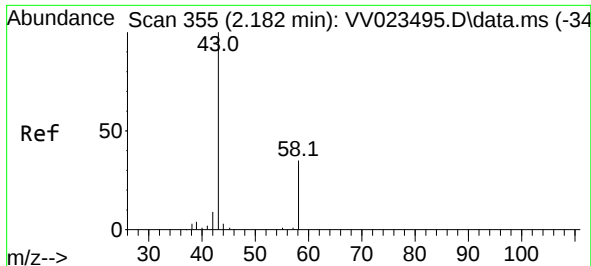
Tgt Ion:101 Resp: 33059
 Ion Ratio Lower Upper
 101 100
 85 43.0 35.3 52.9
 151 79.6 62.2 93.2



#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 :

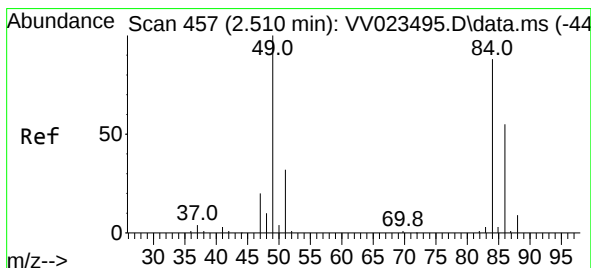
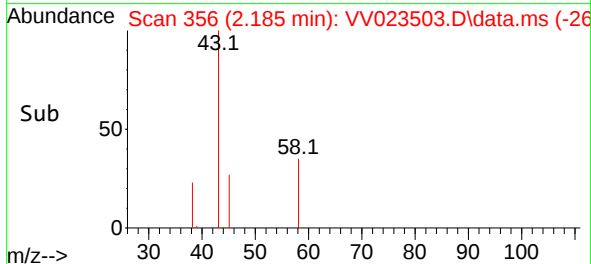
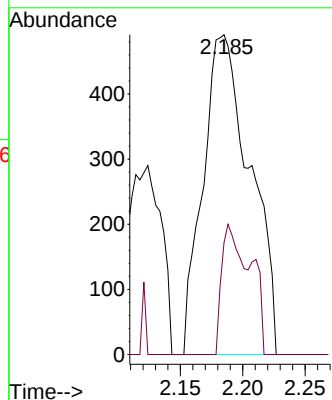
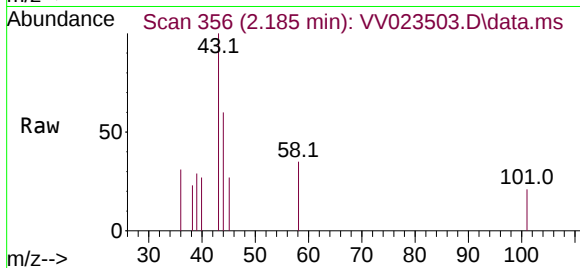
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Tgt Ion: 43 Resp: 1293

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

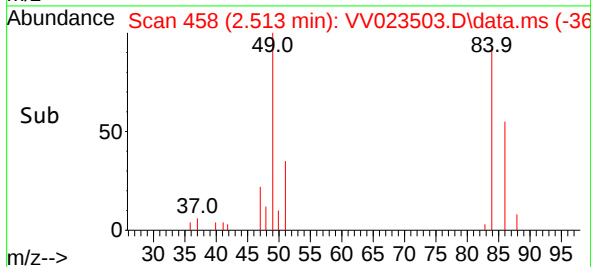
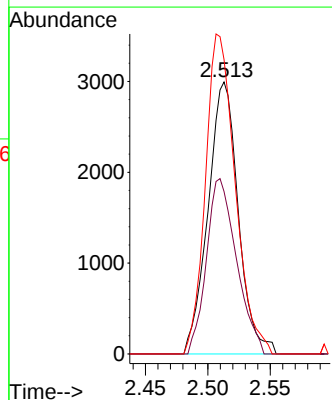
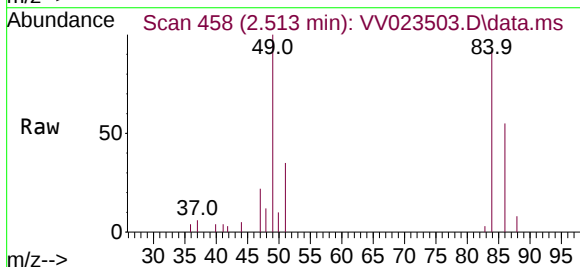
Tgt Ion: 84 Resp: 5057

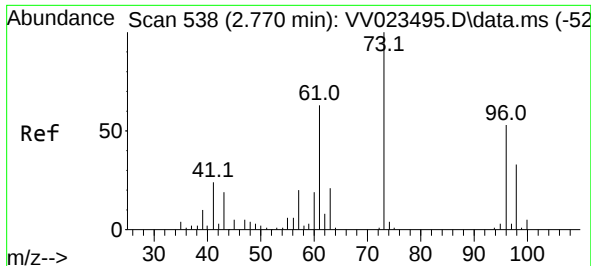
Ion Ratio Lower Upper

84 100

86 59.7 42.3 78.5

49 108.2 79.7 148.1

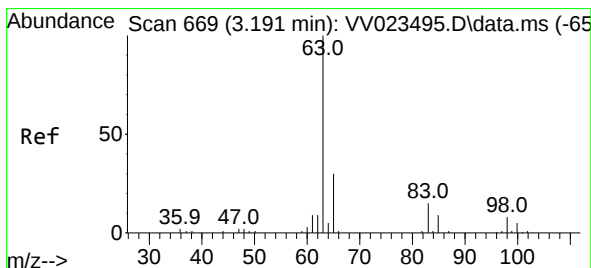
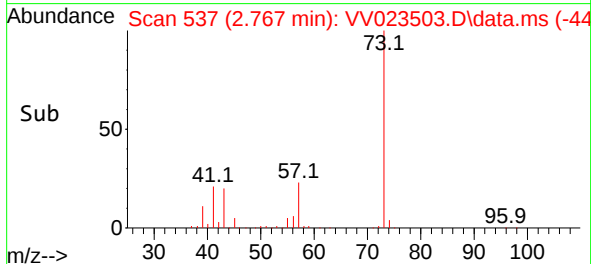
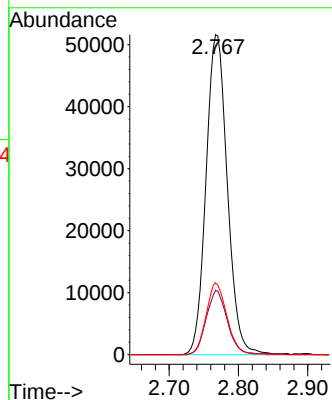
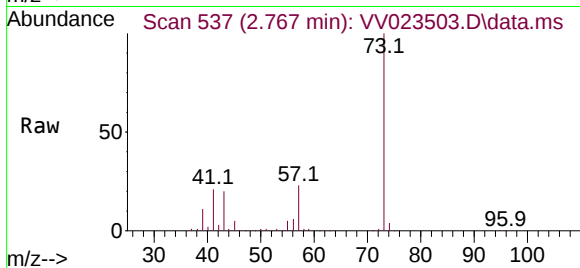




#17
Methyl tert-butyl Ether
Concen: 6.720 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

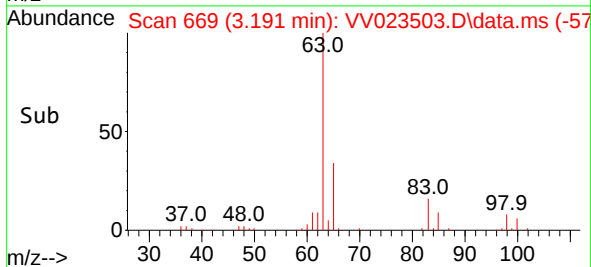
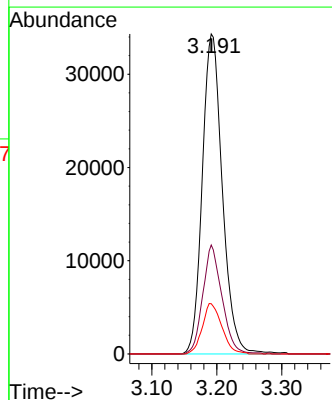
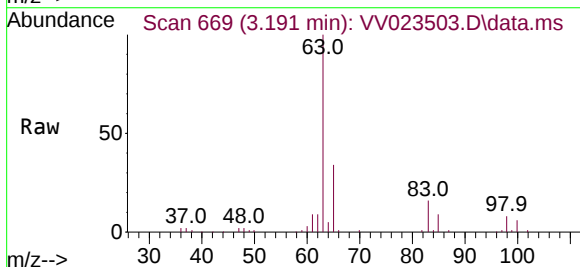
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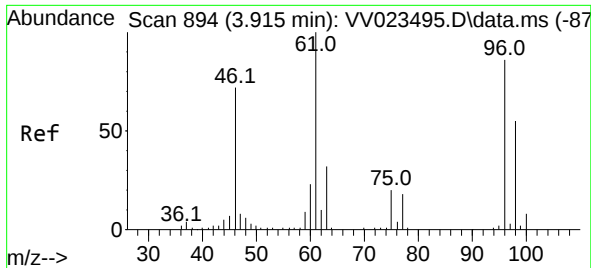
Tgt Ion: 73 Resp: 110157
Ion Ratio Lower Upper
73 100
43 19.8 17.4 26.0
57 22.0 16.5 24.7



#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

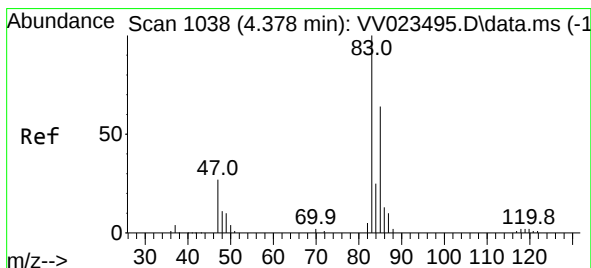
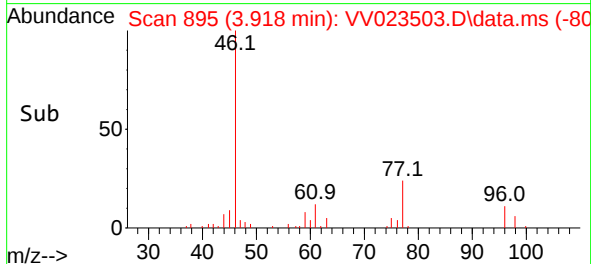
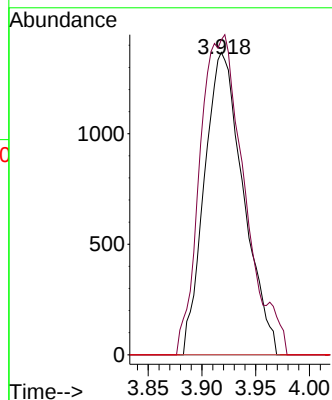
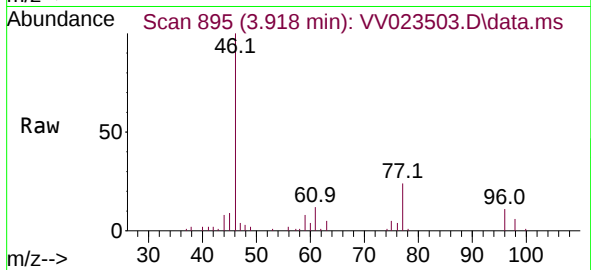




#22
 cis-1,2-Dichloroethene
 Concen: 0.391 ug/L
 RT: 3.918 min Scan# 894
 Delta R.T. 0.003 min
 Lab File: VV023503.D
 Acq: 15 Nov 2021 23:32

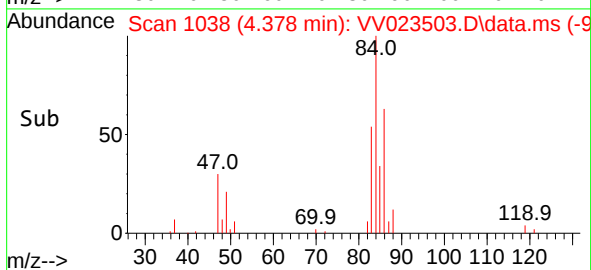
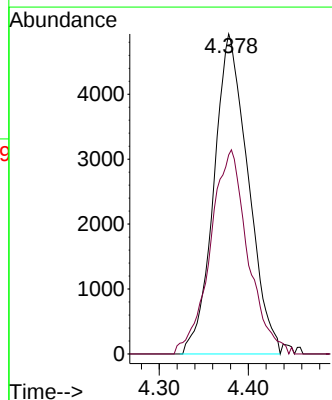
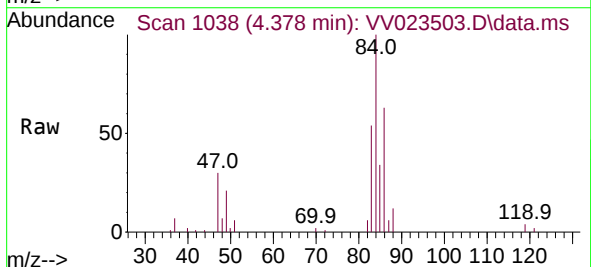
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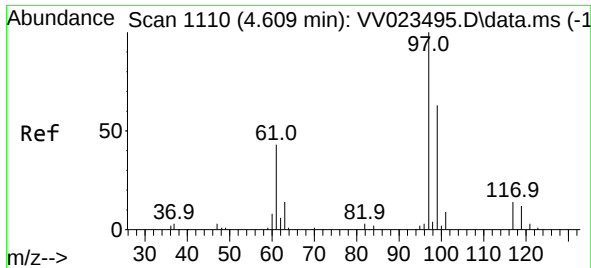
Tgt Ion: 96 Resp: 3448
 Ion Ratio Lower Upper
 96 100
 61 104.2 92.3 171.3
 68 0.0 0.4 0.8#



#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

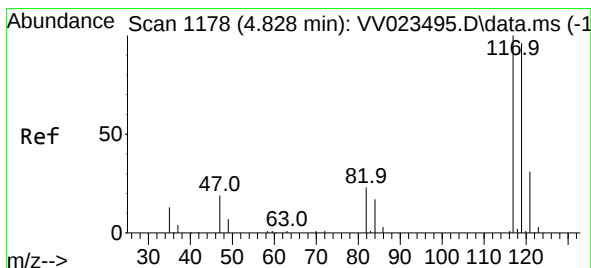
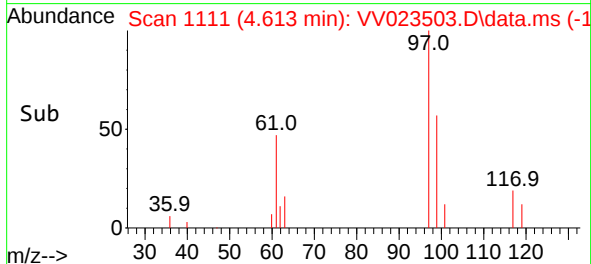
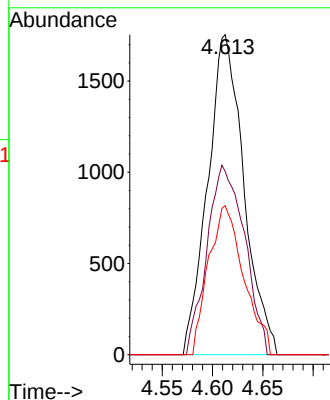
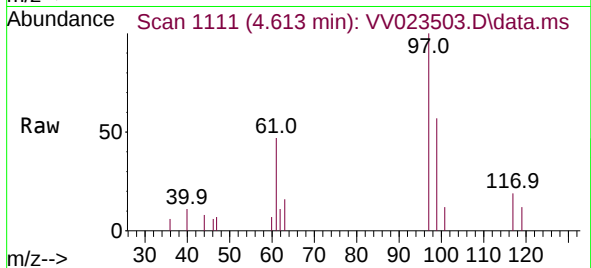




#29
1,1,1-Trichloroethane
Concen: 0.290 ug/L
RT: 4.613 min Scan# 1111
Delta R.T. 0.003 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

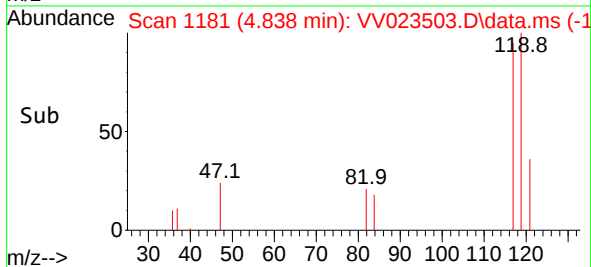
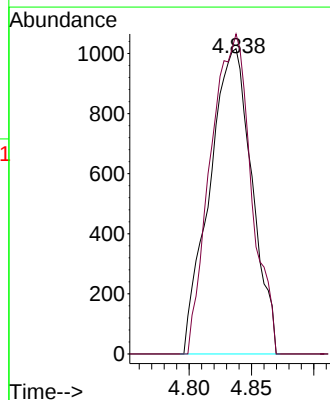
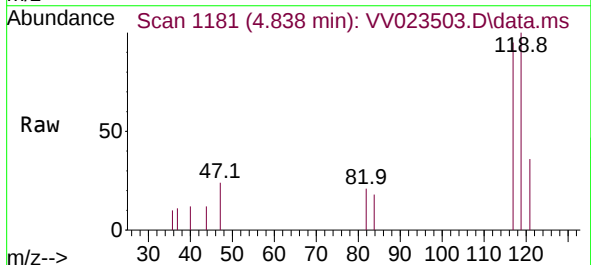
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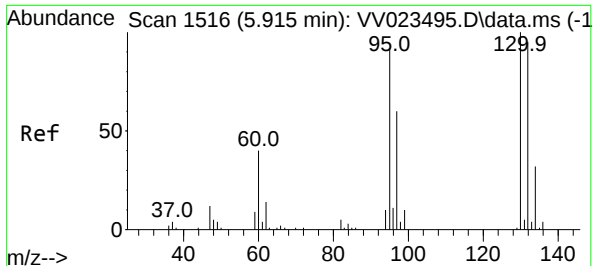
Tgt Ion: 97	Resp: 4382
Ion Ratio	Lower Upper
97 100	
99 61.4	51.0 76.4
61 45.3	34.1 51.1



#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



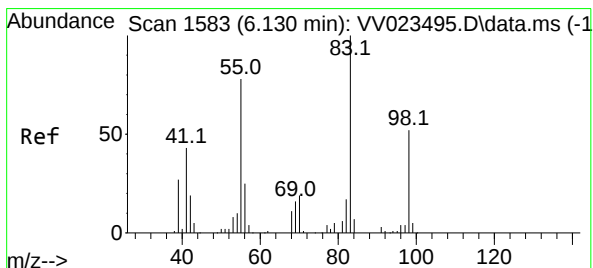
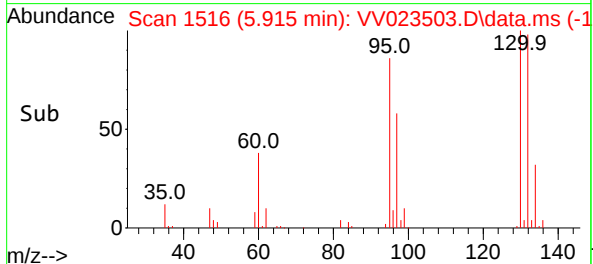
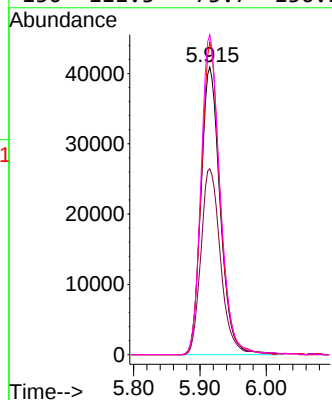
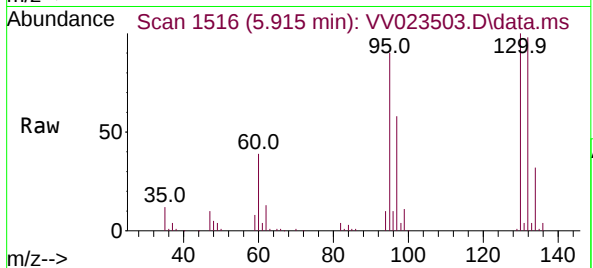


#34
Trichloroethene
Concen: 8.923 ug/L
RT: 5.915 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

Instrument :
MSVOA_V
ClientSampleId :
BG217

Tgt Ion: 95 Resp: 82414

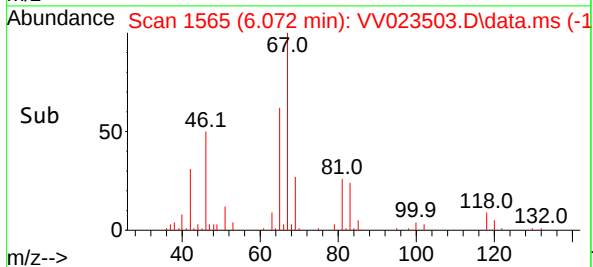
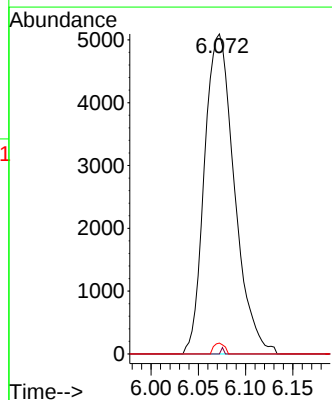
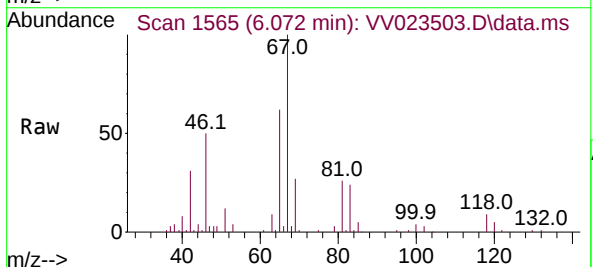
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.0	83.6
132	108.7	69.7	129.4
130	111.3	73.7	136.9

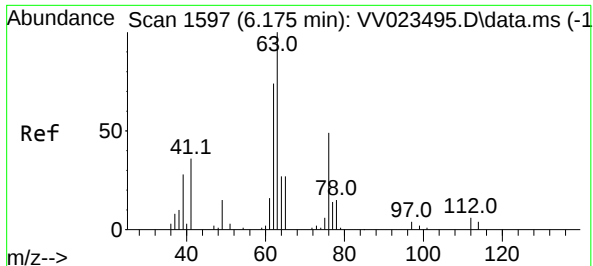


#35
Methylcyclohexane
Concen: 0.770 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

Tgt Ion: 83 Resp: 11225

Ion	Ratio	Lower	Upper
83	100		
55	0.2	62.8	94.2#
98	1.2	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.606 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.109 min

Lab File: VV023503.D

Acq: 15 Nov 2021 23:32

Instrument :

MSVOA_V

ClientSampleId :

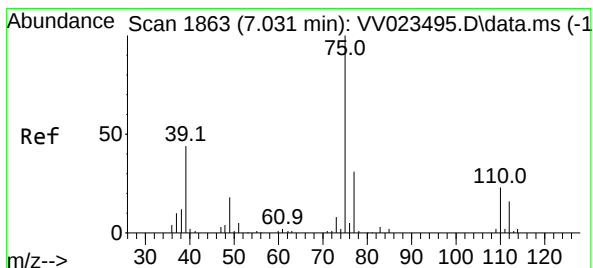
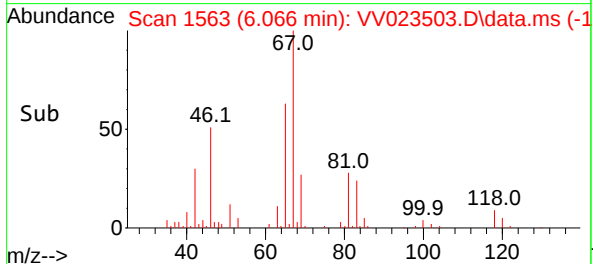
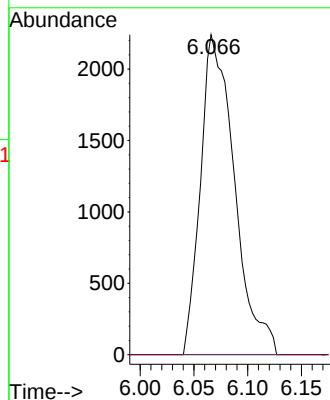
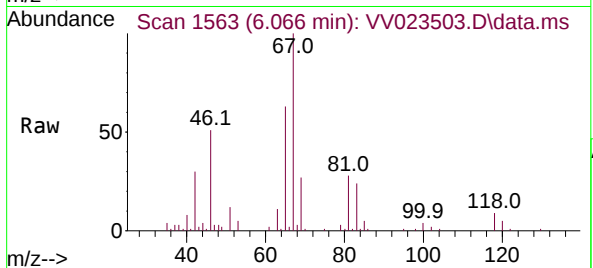
BG217

Tgt Ion: 63 Resp: 4917

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.039 min

Lab File: VV023503.D

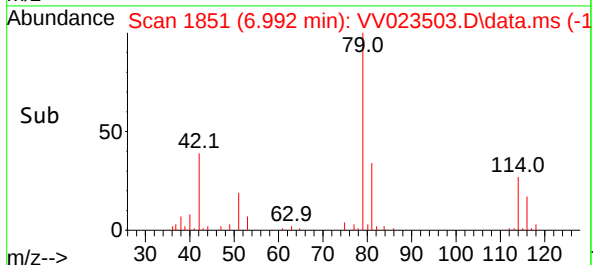
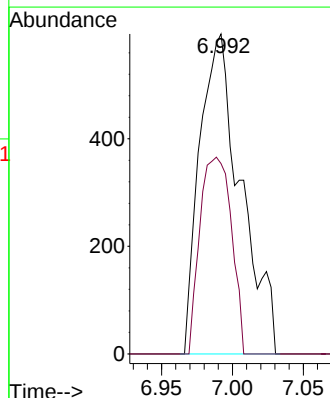
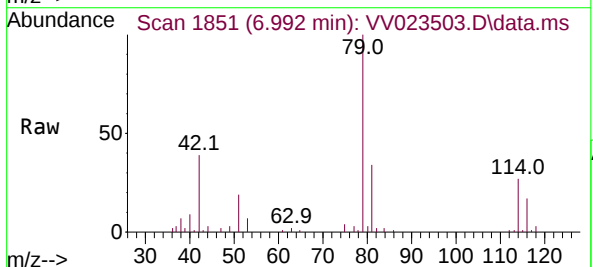
Acq: 15 Nov 2021 23:32

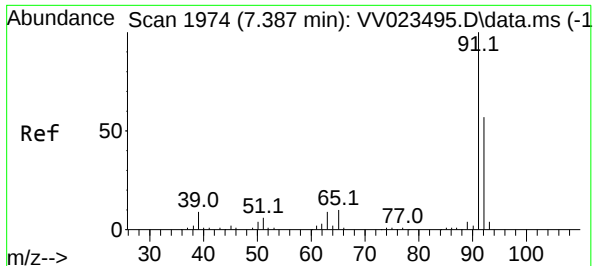
Tgt Ion: 75 Resp: 1199

Ion Ratio Lower Upper

75 100

77 59.5 21.6 40.2#

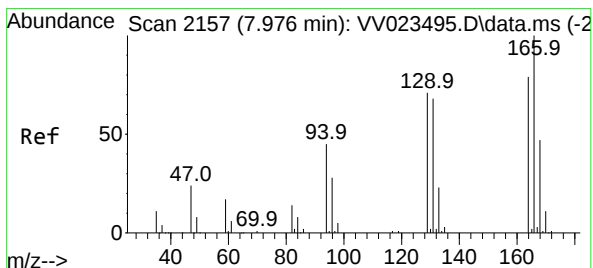
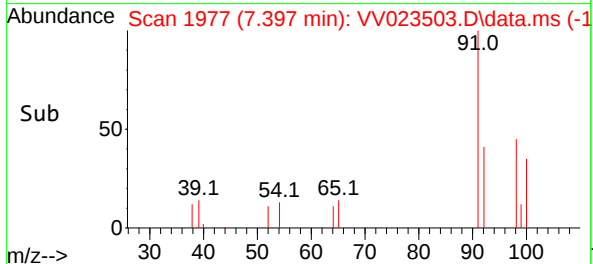
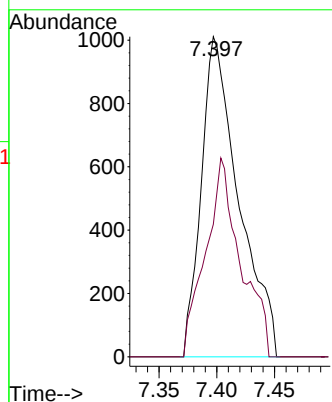
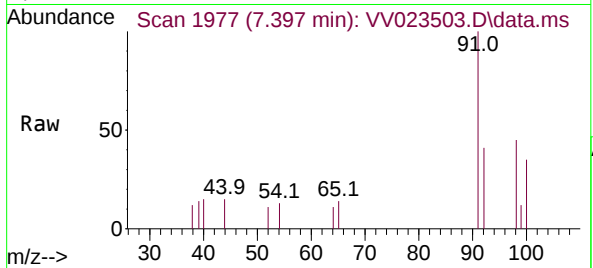




#42
Toluene
Concen: 0.061 ug/L
RT: 7.397 min Scan# 1974
Delta R.T. 0.010 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

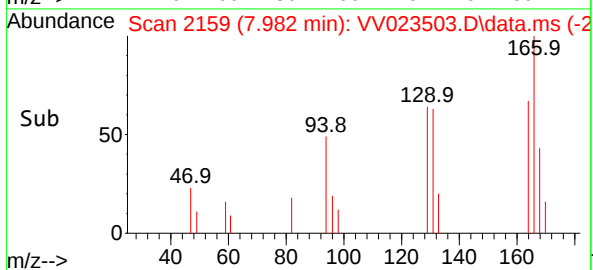
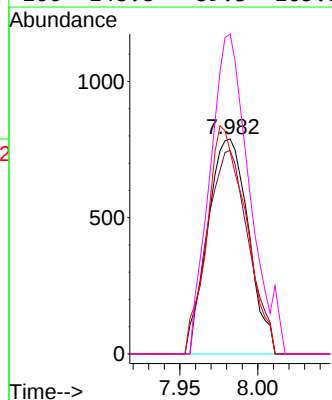
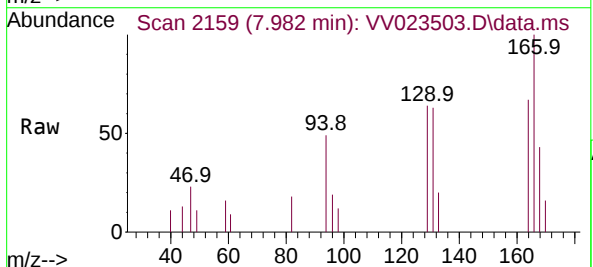
Instrument :
MSVOA_V
ClientSampleId :
BG217

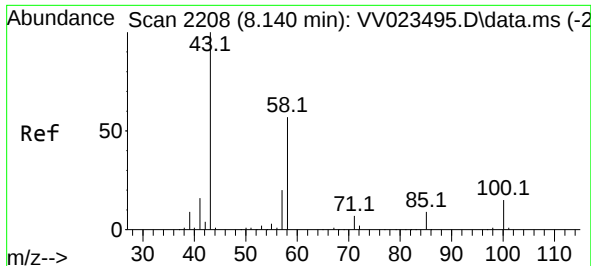
Tgt Ion: 91 Resp: 2280
Ion Ratio Lower Upper
91 100
92 41.3 39.3 72.9



#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

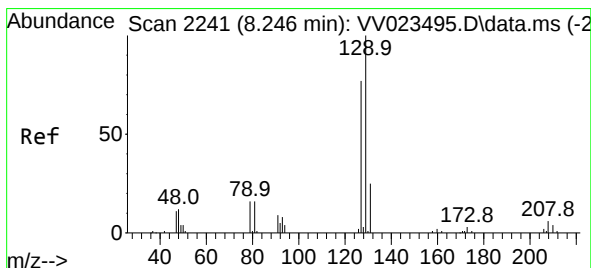
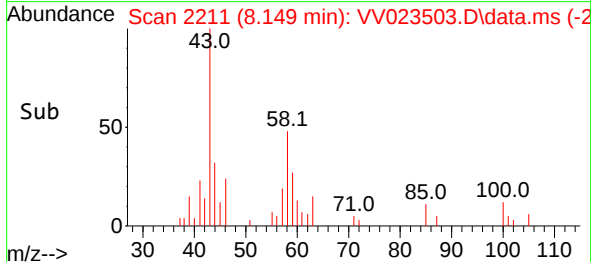
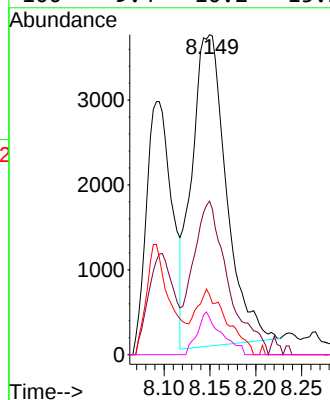
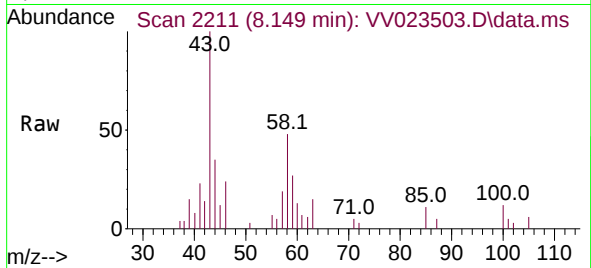




#48
2-Hexanone
Concen: 3.663 ug/L
RT: 8.149 min Scan# 2159
Delta R.T. 0.010 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

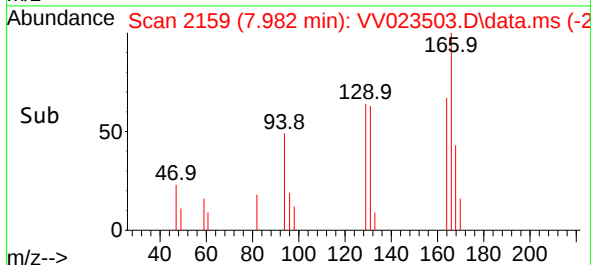
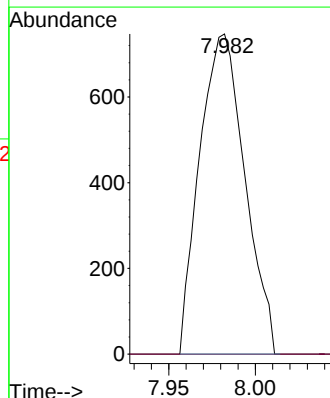
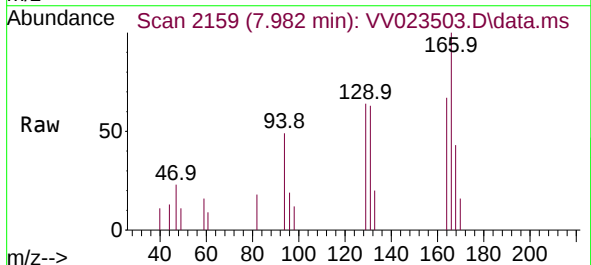
Instrument :
MSVOA_V
ClientSampleId :
BG217

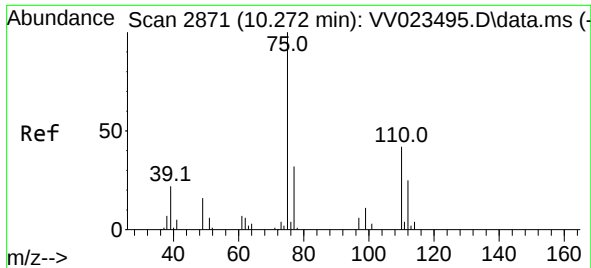
Tgt Ion: 43	Resp: 9652
Ion Ratio	Lower Upper
43 100	
58 50.3	43.7 65.5
57 18.6	14.1 21.1
100 9.4	10.2 15.2#



#49
Dibromochloromethane
Concen: 0.184 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. -0.264 min
Lab File: VV023503.D
Acq: 15 Nov 2021 23:32

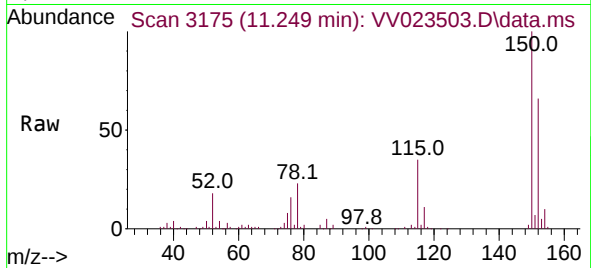
Tgt Ion:129	Resp:	1357	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#





#61
 1,2,3-Trichloropropane
 Concen: 1.657 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV023503.D
 Acq: 15 Nov 2021 23:32

Instrument :
 MSVOA_V
 ClientSampleId :
 BG217



Tgt Ion: 75 Resp: 6140
 Ion Ratio Lower Upper
 75 100
 77 28.9 26.6 39.8
 110 0.3 31.8 47.6#

