

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111021\
 Data File : VW023357.D
 Acq On : 11 Nov 2021 01:47
 Operator : SY/MD
 Sample : M4558-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GB878

Quant Time: Nov 11 03:56:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 03:34:54 2021
 Response via : Initial Calibration

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

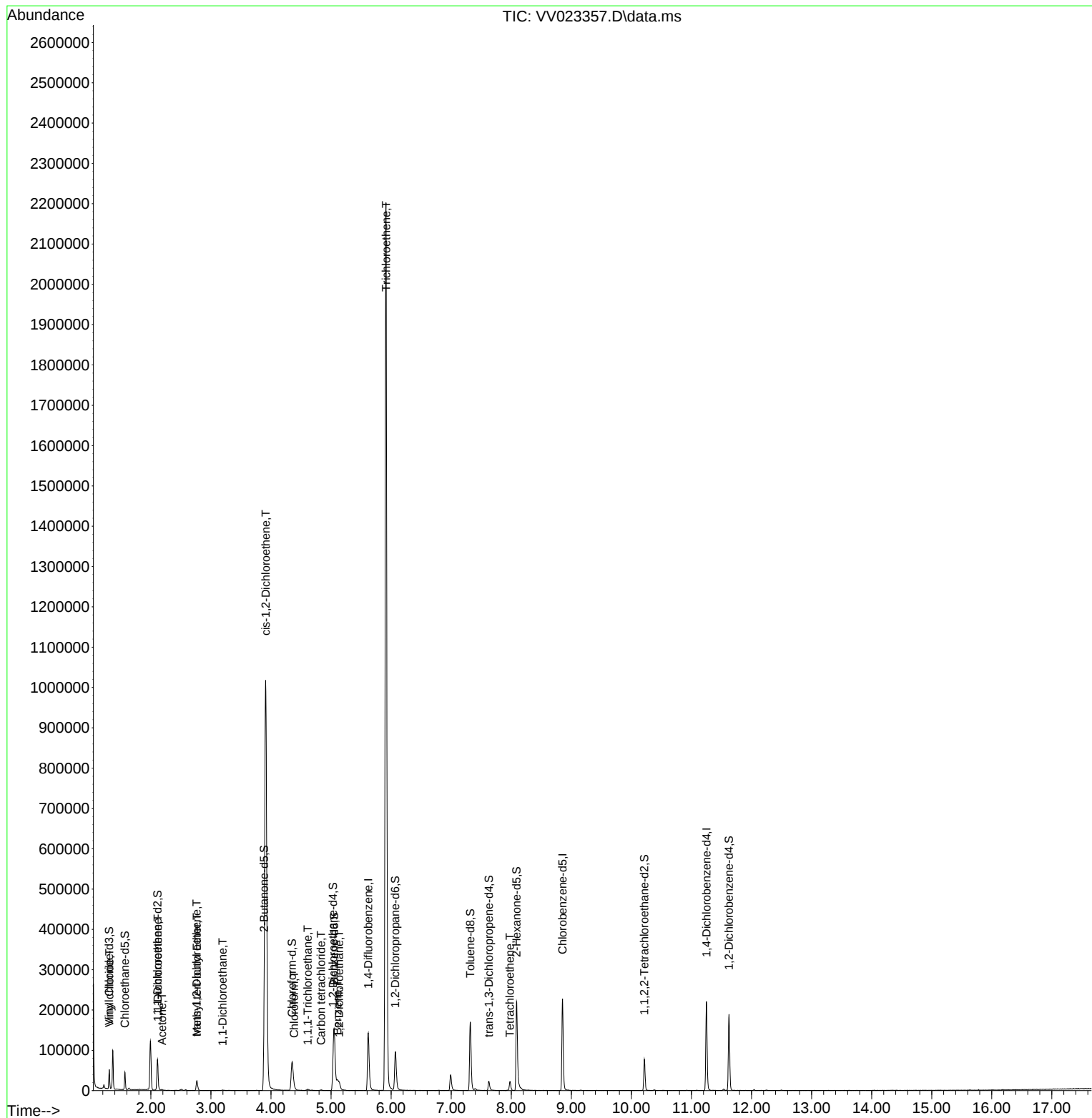
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	127202	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	125555	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59382	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	24943	3.130	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.600%
7) Chloroethane-d5	1.568	69	25486	3.924	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.111	63	38457	2.578	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.600%#
20) 2-Butanone-d5	3.886	46	106178	77.340	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	154.680%#
24) Chloroform-d	4.352	84	74612	4.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.034	65	37904	4.963	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.053	84	137926	4.281	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.069	67	45538	4.802	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.320	98	114515	3.793	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.800%
43) trans-1,3-Dichloroprop...	7.629	79	13500	3.754	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.000%
46) 2-Hexanone-d5	8.088	63	72434	54.749	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34797	5.102	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	49666	5.023	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						
5) Vinyl chloride	1.311	62	4356	0.414	ug/L	94
12) 1,1-Dichloroethene	2.118	96	1150	0.152	ug/L #	1
13) Acetone	2.185	43	2082	2.482	ug/L	85
17) Methyl tert-butyl Ether	2.767	73	2980	0.178	ug/L #	85
18) trans-1,2-Dichloroethene	2.764	96	8003	0.858	ug/L	96
19) 1,1-Dichloroethane	3.195	63	1536	0.098	ug/L	91
22) cis-1,2-Dichloroethene	3.912	96	566215	63.095	ug/L #	93
25) Chloroform	4.384	83	6850	0.408	ug/L	96
27) 1,2-Dichloroethane	5.137	62	15478	1.734	ug/L #	94
29) 1,1,1-Trichloroethane	4.613	97	2664	0.175	ug/L	92
31) Carbon tetrachloride	4.834	117	1076	0.079	ug/L	95
33) Benzene	5.108	78	23859	0.680	ug/L	100
34) Trichloroethene	5.915	95	728864	78.102	ug/L	98
47) Tetrachloroethene	7.979	164	5064	0.626	ug/L	94

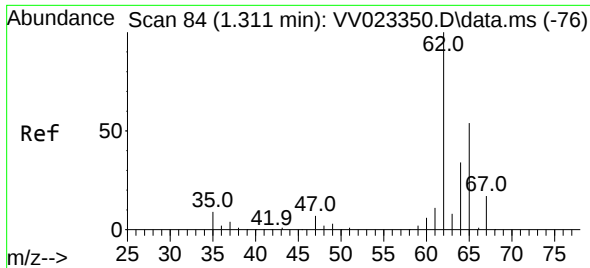
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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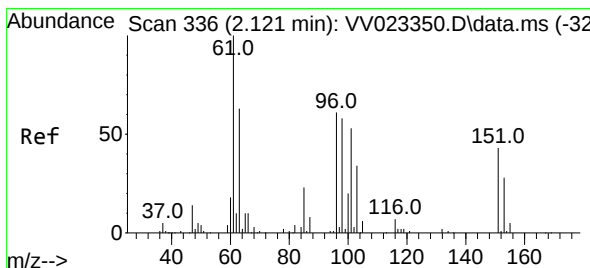
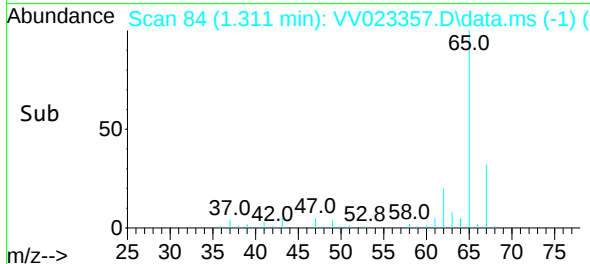
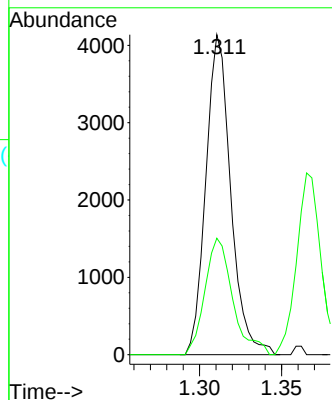
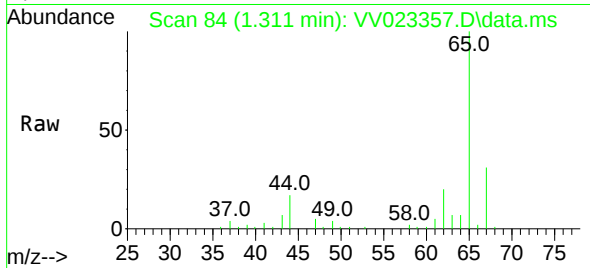




#5
 Vinyl chloride
 Concen: 0.414 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023357.D
 Acq: 11 Nov 2021 01:47

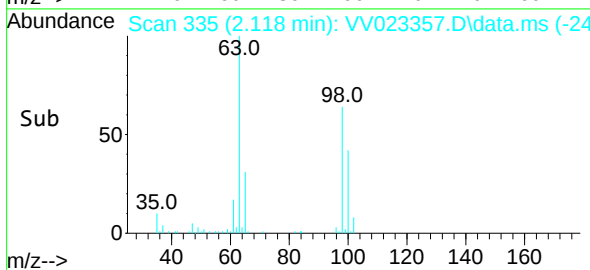
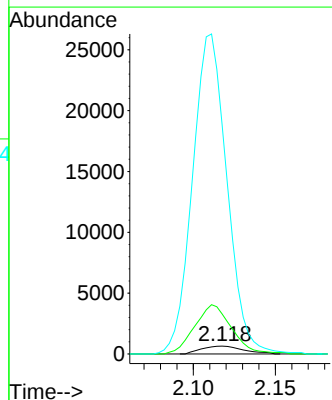
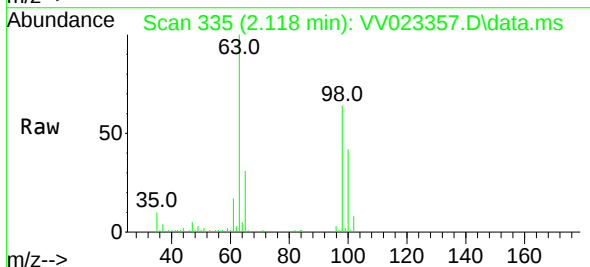
Instrument :
 MSVOA_V
 ClientSampleId :
 GB878

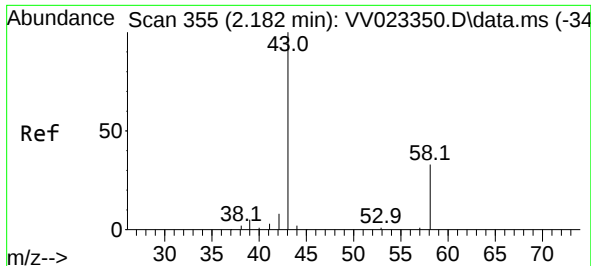
Tgt Ion: 62 Resp: 4356
 Ion Ratio Lower Upper
 62 100
 64 36.4 23.1 42.9



#12
 1,1-Dichloroethene
 Concen: 0.152 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV023357.D
 Acq: 11 Nov 2021 01:47

Tgt Ion: 96 Resp: 1150
 Ion Ratio Lower Upper
 96 100
 61 506.0 121.5 225.7#
 63 2901.7 99.6 185.0#





#13

Acetone

Concen: 2.482 ug/L

RT: 2.185 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

ClientSampleId :

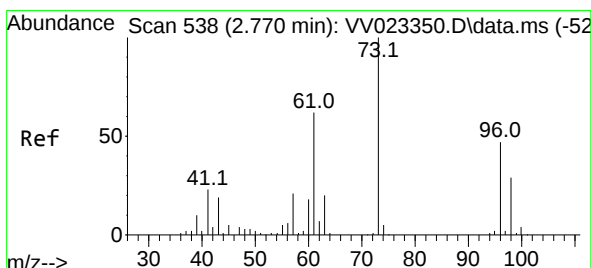
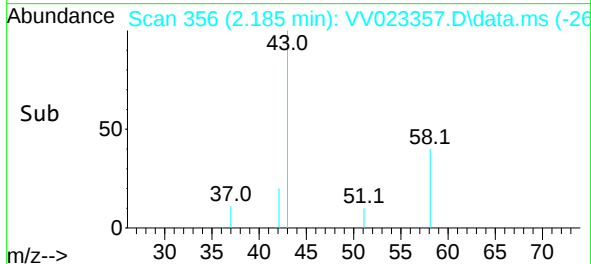
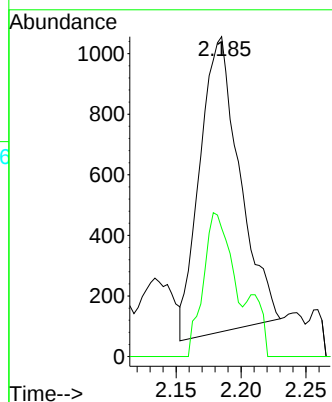
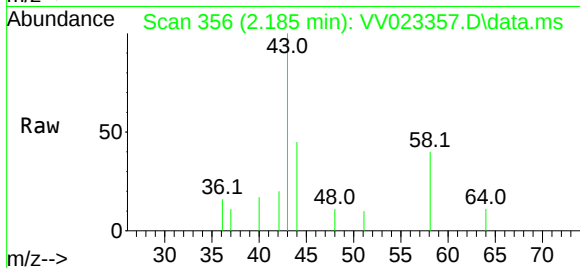
GB878

Tgt Ion: 43 Resp: 2082

Ion Ratio Lower Upper

43 100

58 35.4 0.0 55.4



#17

Methyl tert-butyl Ether

Concen: 0.178 ug/L

RT: 2.767 min Scan# 537

Delta R.T. -0.003 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

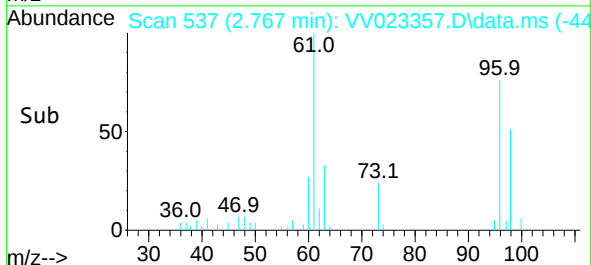
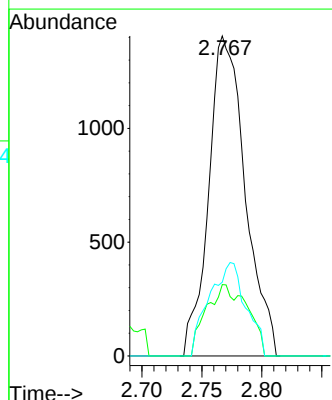
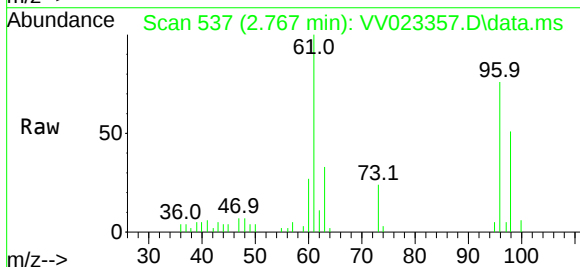
Tgt Ion: 73 Resp: 2980

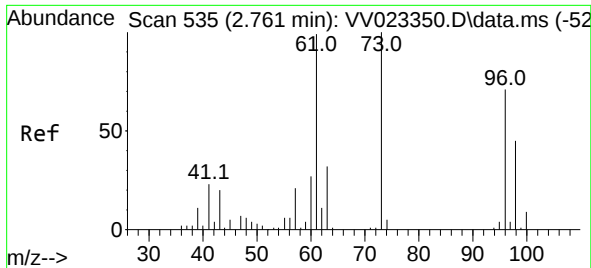
Ion Ratio Lower Upper

73 100

43 16.2 17.4 26.0#

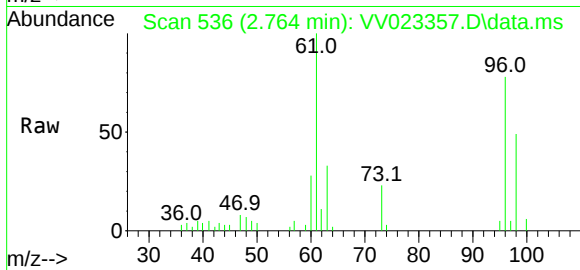
57 29.5 16.5 24.7#





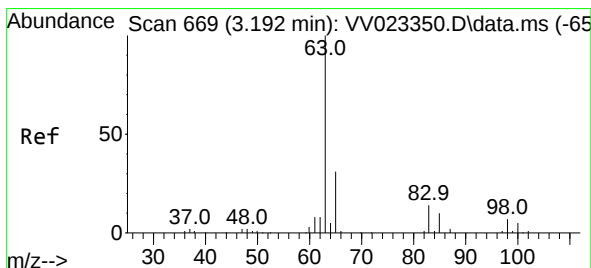
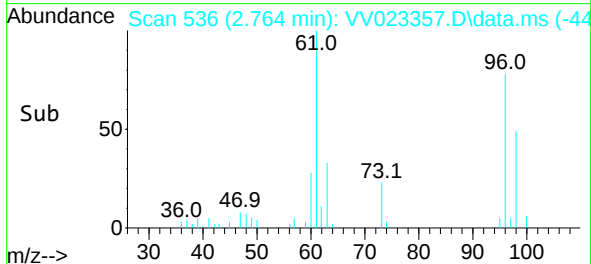
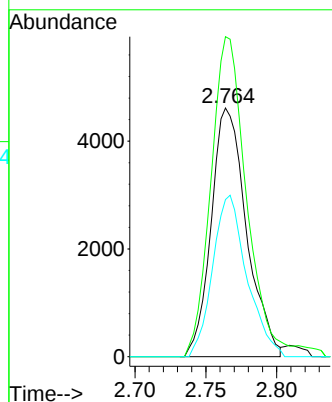
#18
trans-1,2-Dichloroethene
Concen: 0.858 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023357.D
Acq: 11 Nov 2021 01:47

Instrument :
MSVOA_V
ClientSampleId :
GB878



Tgt Ion: 96 Resp: 8003

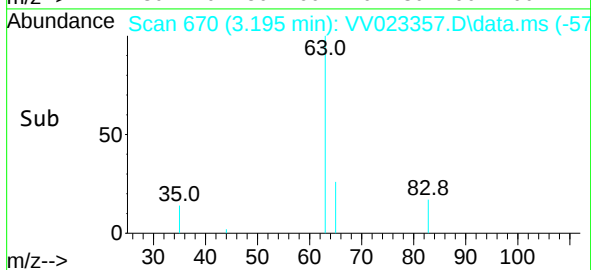
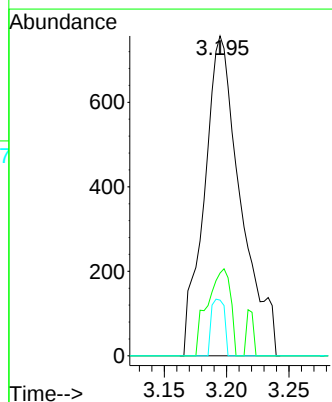
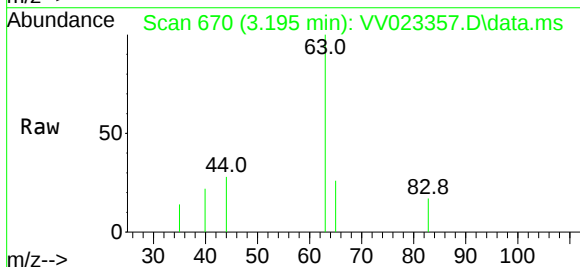
Ion	Ratio	Lower	Upper
96	100		
61	128.7	93.2	173.2
98	63.2	47.0	87.2

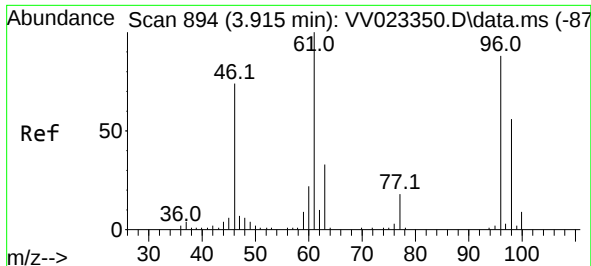


#19
1,1-Dichloroethane
Concen: 0.098 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.003 min
Lab File: VV023357.D
Acq: 11 Nov 2021 01:47

Tgt Ion: 63 Resp: 1536

Ion	Ratio	Lower	Upper
63	100		
65	25.9	22.6	42.0
83	17.4	11.1	20.7





#22

cis-1,2-Dichloroethene

Concen: 63.095 ug/L

RT: 3.912 min Scan# 89

Delta R.T. -0.003 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

ClientSampleId :

GB878

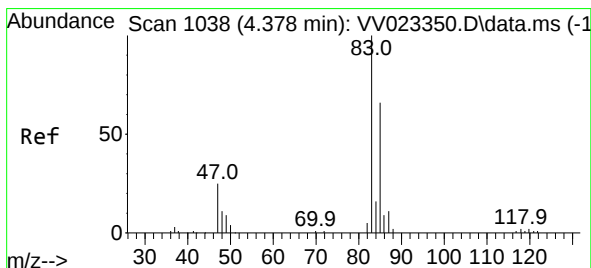
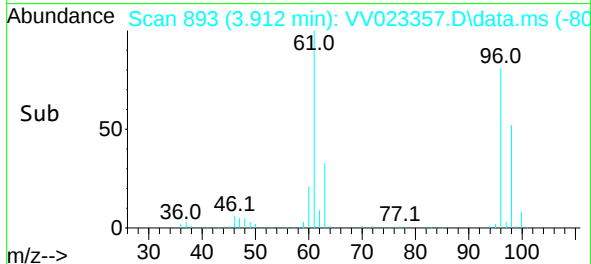
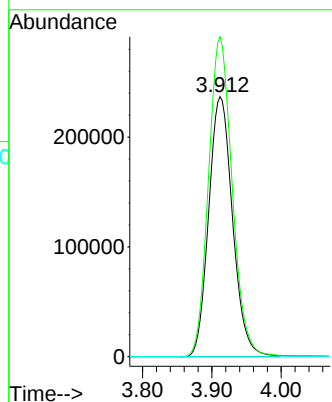
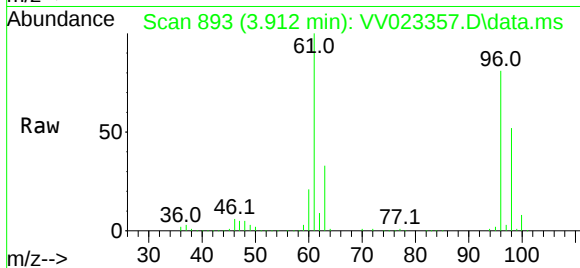
Tgt Ion: 96 Resp: 566215

Ion Ratio Lower Upper

96 100

61 123.0 92.3 171.3

68 0.0 0.4 0.8#



#25

Chloroform

Concen: 0.408 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VV023357.D

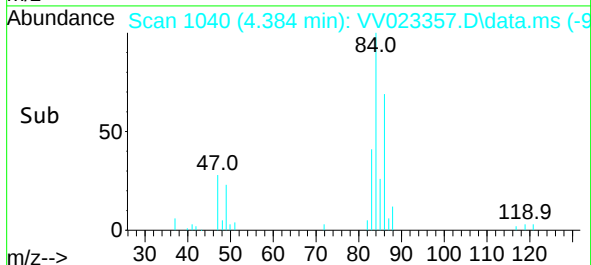
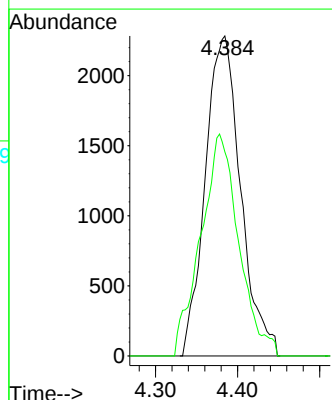
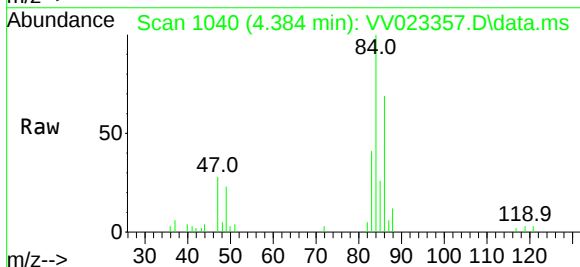
Acq: 11 Nov 2021 01:47

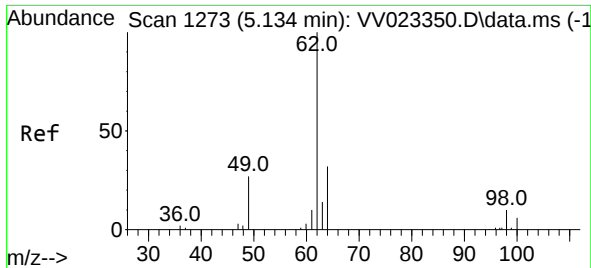
Tgt Ion: 83 Resp: 6850

Ion Ratio Lower Upper

83 100

85 63.8 46.8 86.8





#27

1,2-Dichloroethane

Concen: 1.734 ug/L

RT: 5.137 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

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ClientSampleId :

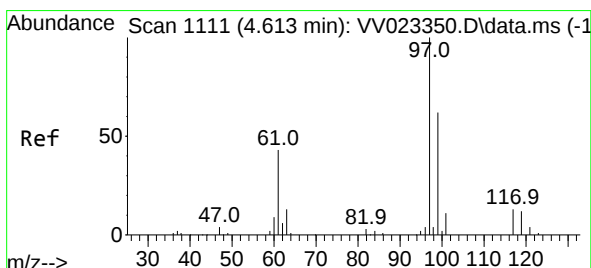
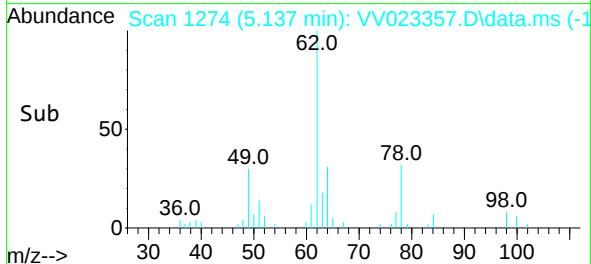
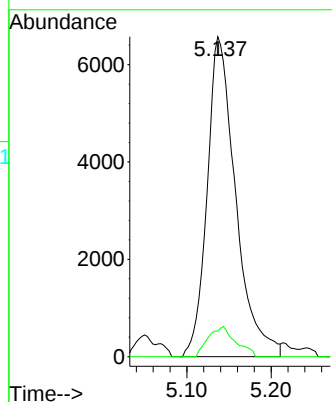
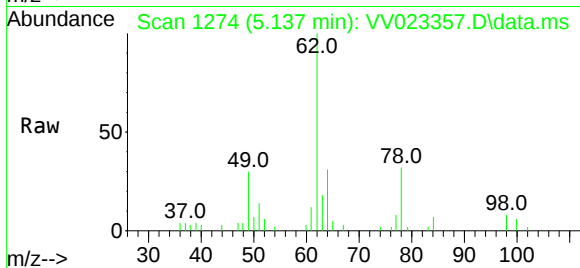
GB878

Tgt Ion: 62 Resp: 15478

Ion Ratio Lower Upper

62 100

98 8.1 8.2 12.4#



#29

1,1,1-Trichloroethane

Concen: 0.175 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

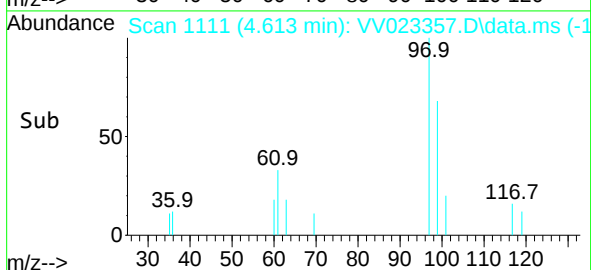
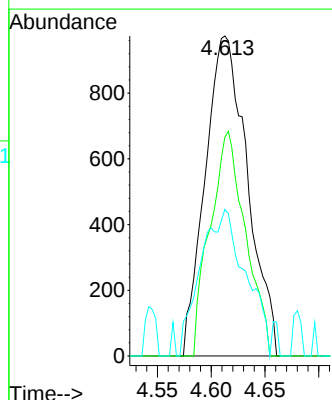
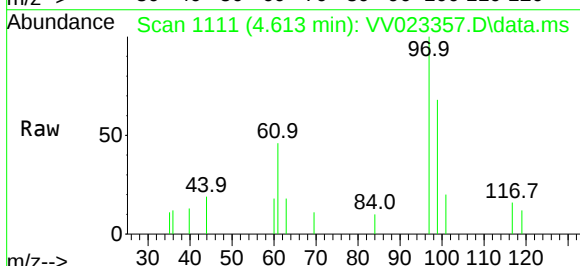
Tgt Ion: 97 Resp: 2664

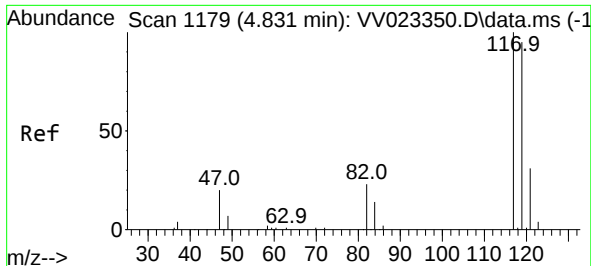
Ion Ratio Lower Upper

97 100

99 58.9 51.0 76.4

61 48.9 34.1 51.1

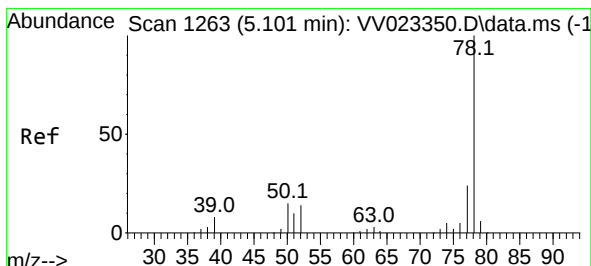
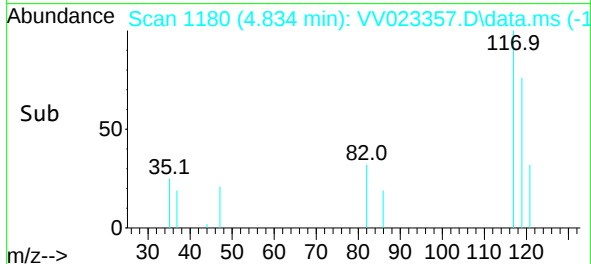
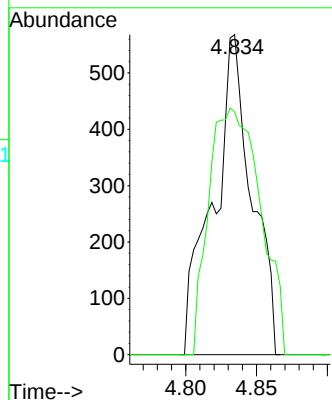
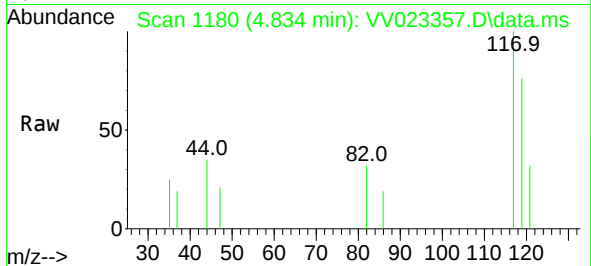




#31
Carbon tetrachloride
Concen: 0.079 ug/L
RT: 4.834 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VV023357.D
Acq: 11 Nov 2021 01:47

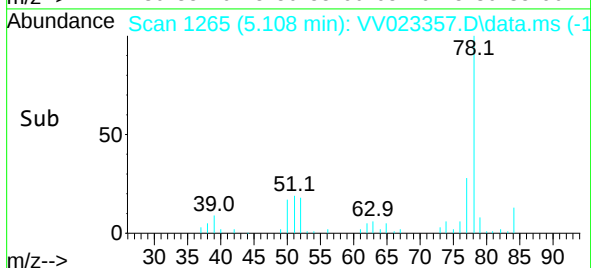
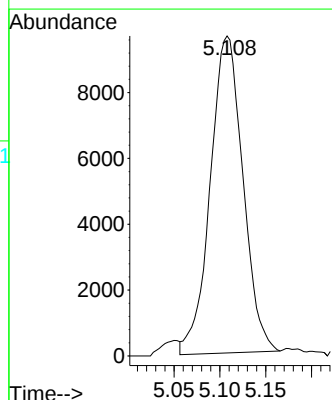
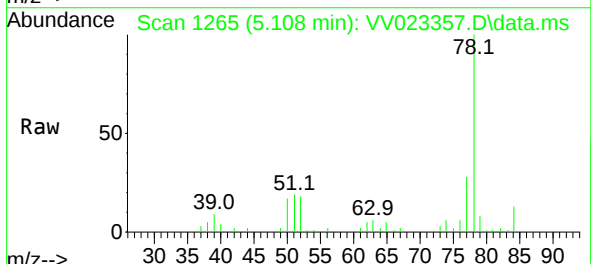
Instrument :
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GB878

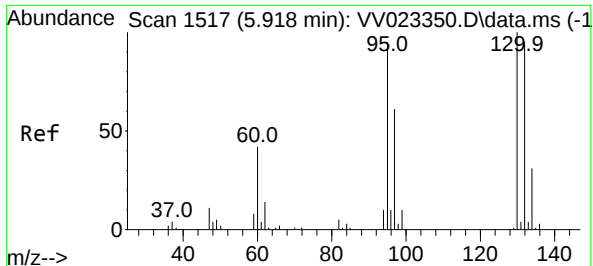
Tgt Ion:117 Resp: 1076
Ion Ratio Lower Upper
117 100
119 103.2 78.8 118.2



#33
Benzene
Concen: 0.680 ug/L
RT: 5.108 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VV023357.D
Acq: 11 Nov 2021 01:47

Tgt Ion: 78 Resp: 23859

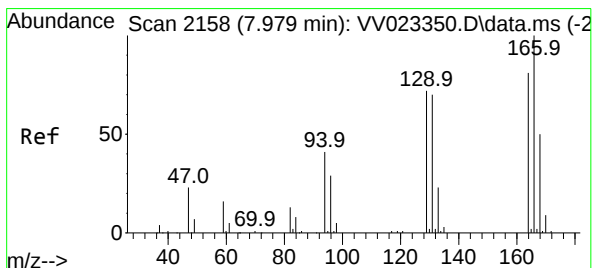
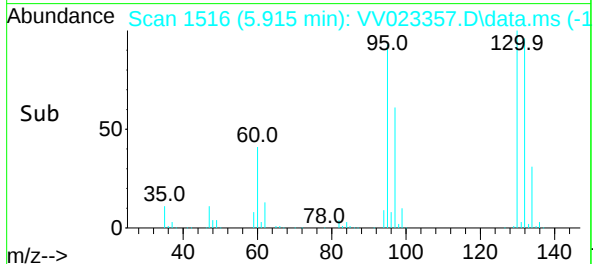
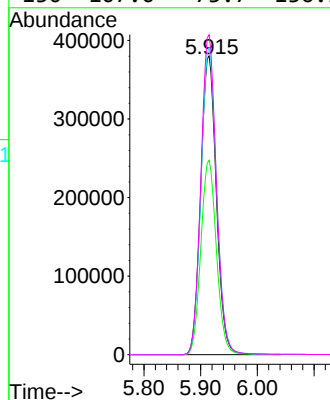
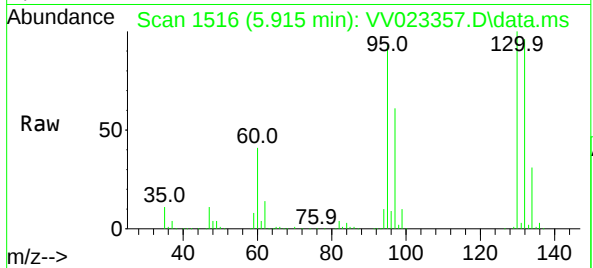




#34
Trichloroethene
Concen: 78.102 ug/L
RT: 5.915 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV023357.D
Acq: 11 Nov 2021 01:47

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Tgt Ion: 95 Resp: 728864
Ion Ratio Lower Upper
95 100
97 65.0 45.0 83.6
132 102.6 69.7 129.4
130 107.0 73.7 136.9



#47
Tetrachloroethene
Concen: 0.626 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.000 min
Lab File: VV023357.D
Acq: 11 Nov 2021 01:47

Tgt Ion: 164 Resp: 5064
Ion Ratio Lower Upper
164 100
129 82.8 64.0 119.0
131 101.3 63.4 117.8
166 126.3 89.3 165.9

