

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 :

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						
					Qvalue	
5) Vinyl chloride	1.311	62	4356	0.414	ug/L	94
8) Chloroethane	1.311	64	1771	0.291	ug/L	98
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
35) Methylcyclohexane	6.072	83	11536	0.783	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	4968	0.606	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1117	0.095	ug/L #	63
42) Toluene	7.400	91	3474	0.093	ug/L	99
47) Tetrachloroethene	7.979	164	5064	0.626	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111021\
Data File : VV023357.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 :

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

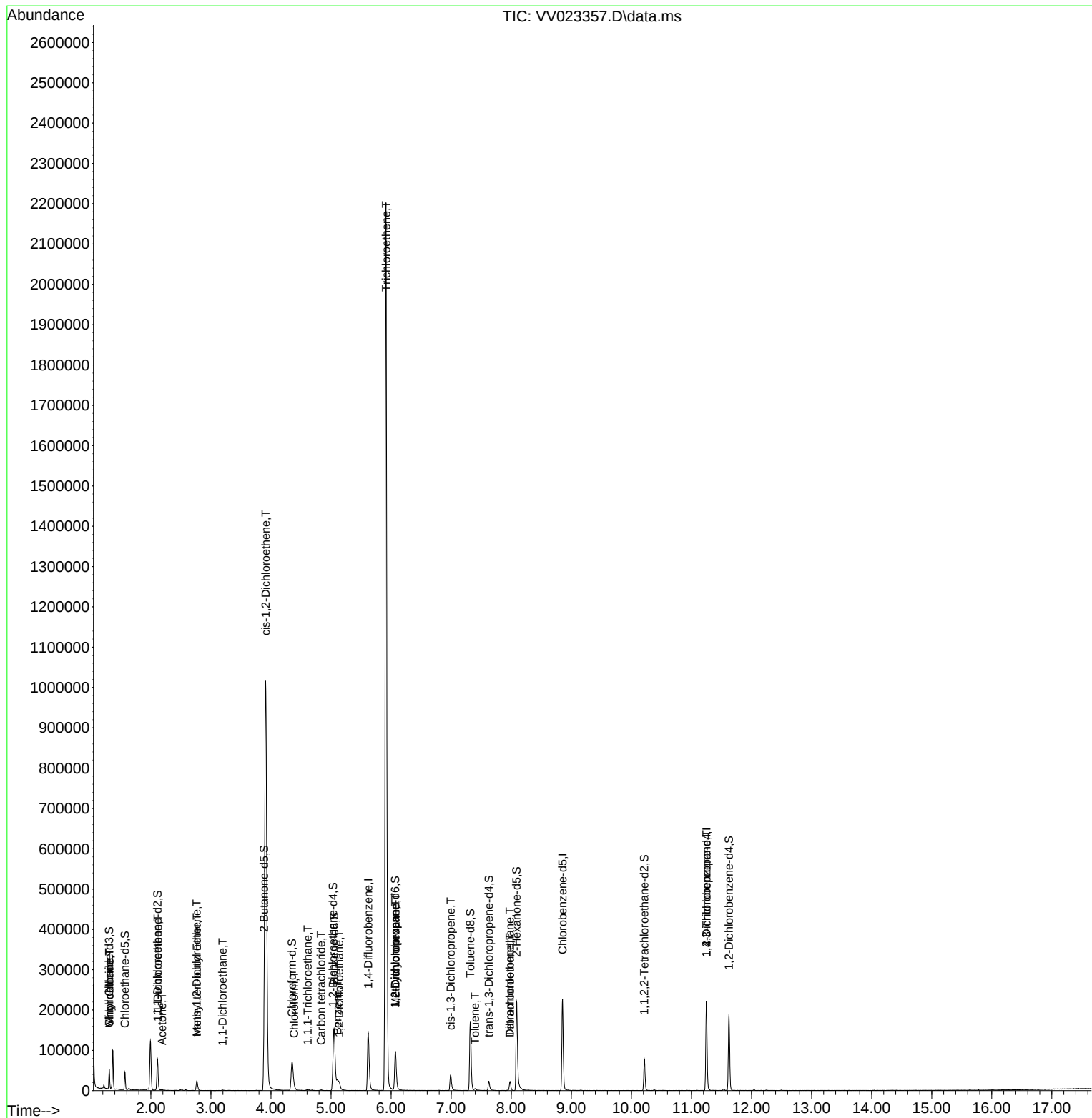
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.979	129	4893	0.656	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6481	1.643	ug/L #	67

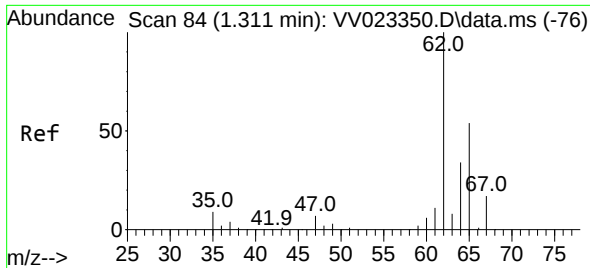
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111021\
Data File : VV023357.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 :

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

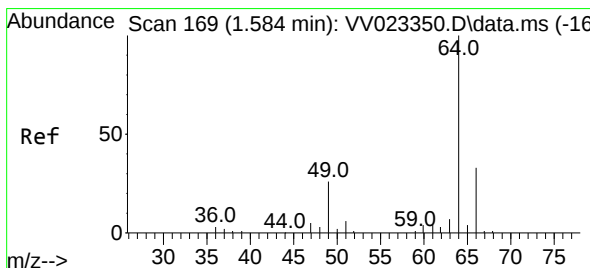
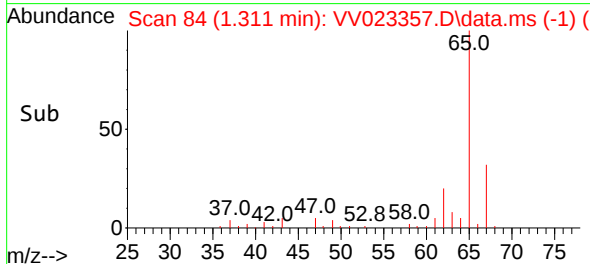
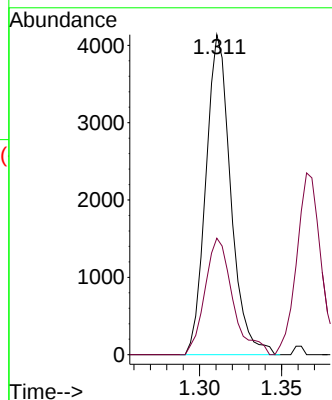
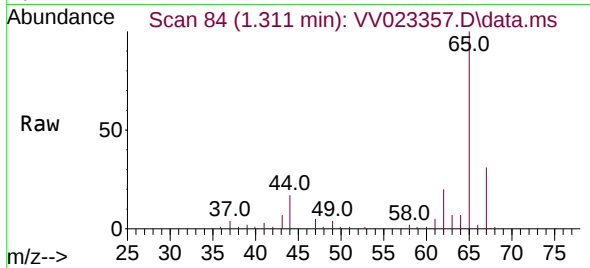




#5
 Vinyl chloride
 Concen: 0.414 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023357.D
 Acq: 11 Nov 2021 01:47

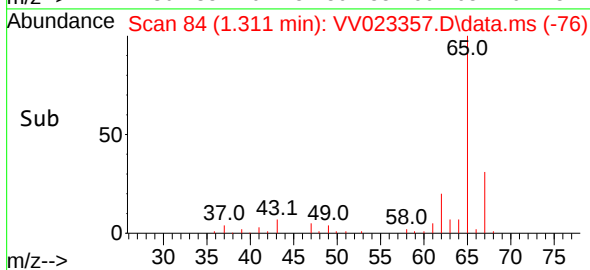
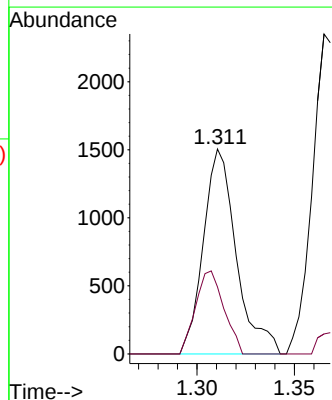
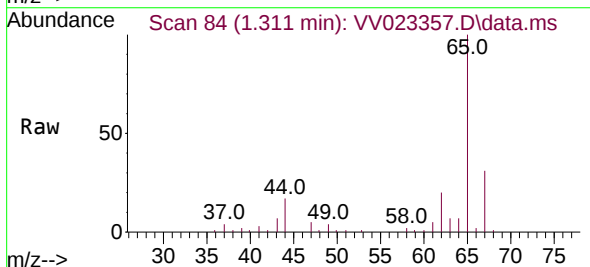
Instrument :
 MSVOA_V
 ClientSampleId :

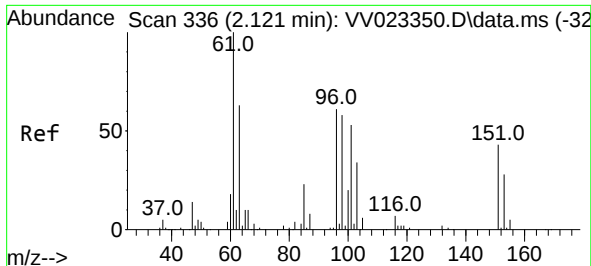
Tgt Ion: 62 Resp: 4356
 Ion Ratio Lower Upper
 62 100
 64 36.4 23.1 42.9



#8
 Chloroethane
 Concen: 0.291 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.273 min
 Lab File: VV023357.D
 Acq: 11 Nov 2021 01:47

Tgt Ion: 64 Resp: 1771
 Ion Ratio Lower Upper
 64 100
 66 32.7 22.1 41.1





#12

1,1-Dichloroethene

Concen: 0.152 ug/L

RT: 2.118 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023357.D

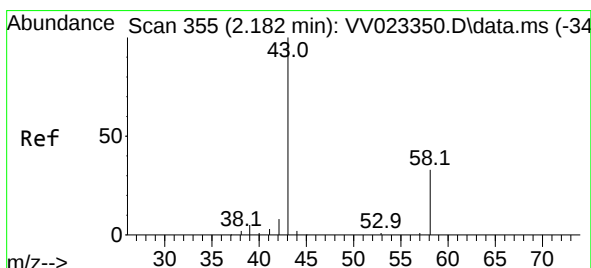
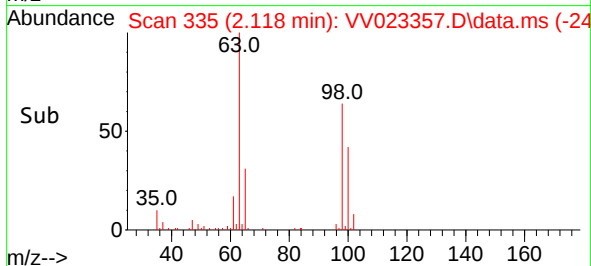
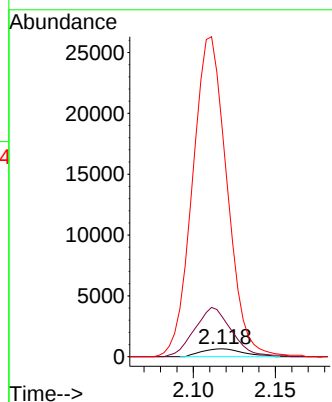
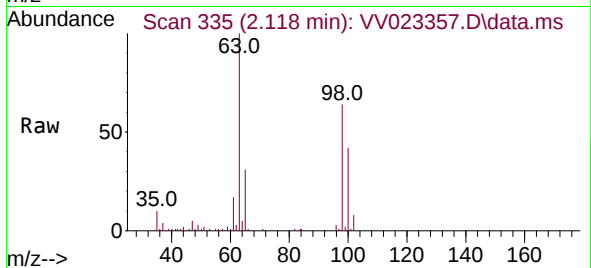
Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

ClientSampleId :

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

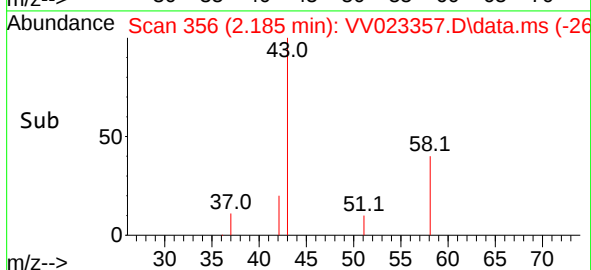
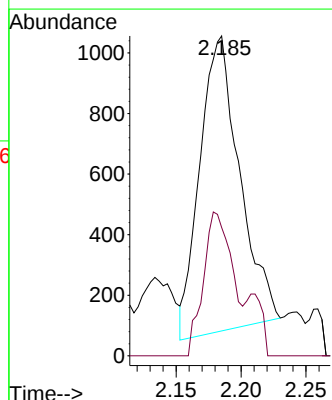
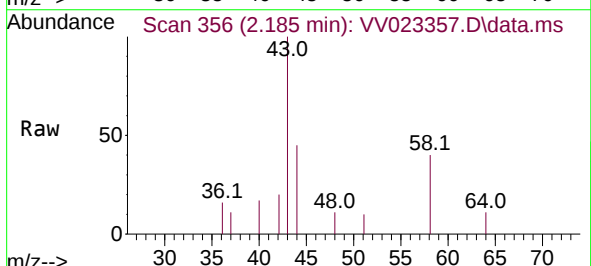
RT: 2.185 min Scan# 356

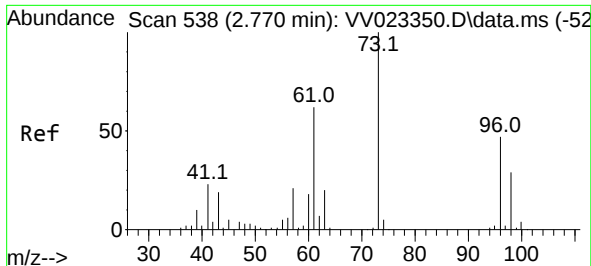
Delta R.T. 0.003 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

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# 51

Delta R.T. -0.003 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

ClientSampleId :

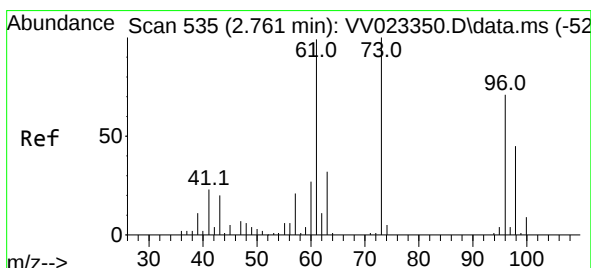
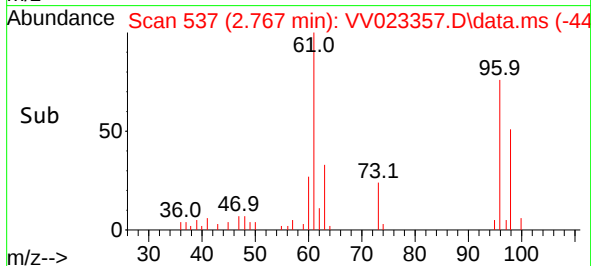
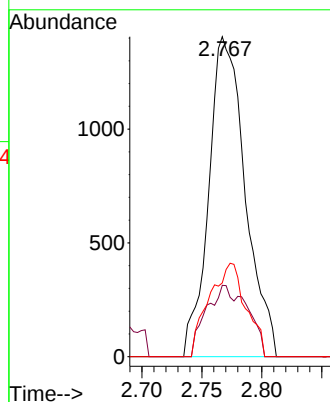
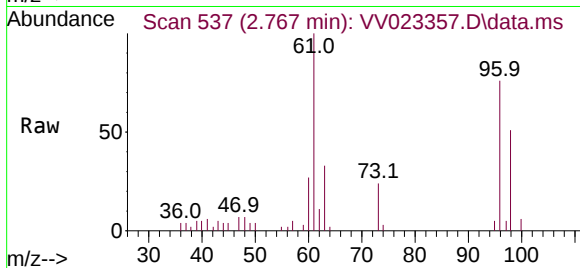
Tgt Ion: 73 Resp: 2980

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# 536

Delta R.T. 0.003 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

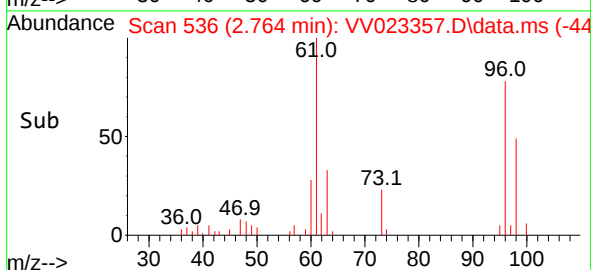
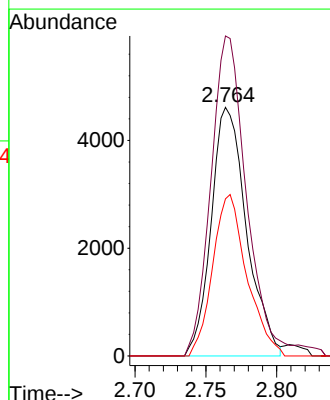
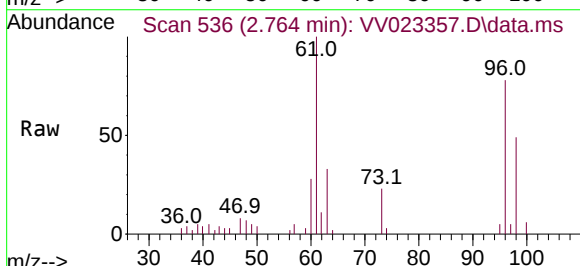
Tgt Ion: 96 Resp: 8003

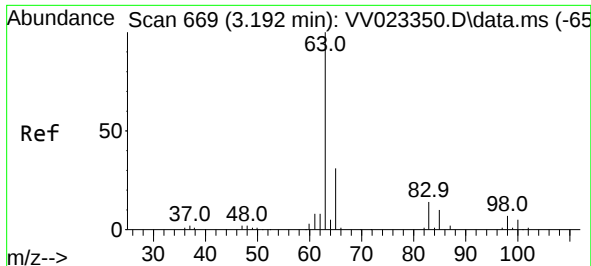
Ion Ratio Lower Upper

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# 61

Delta R.T. 0.003 min

Lab File: VV023357.D

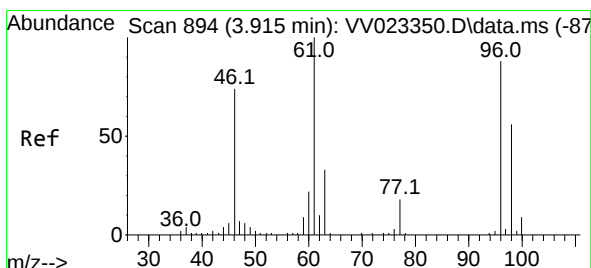
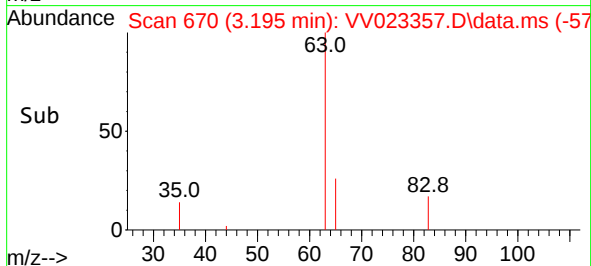
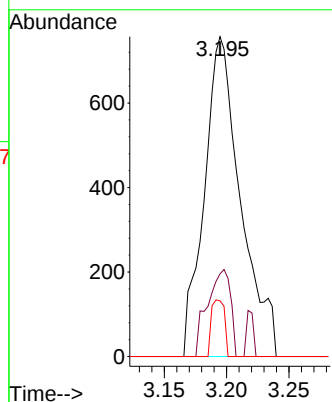
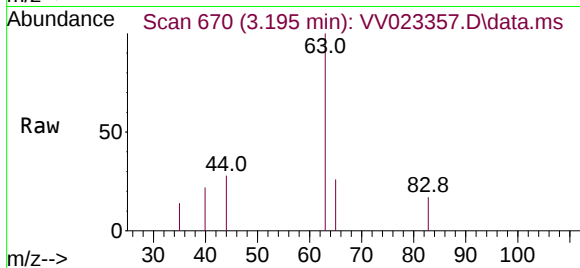
Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

ClientSampleId :

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

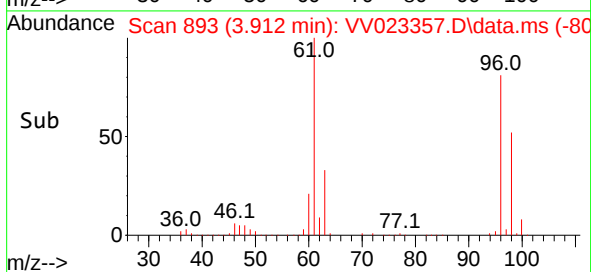
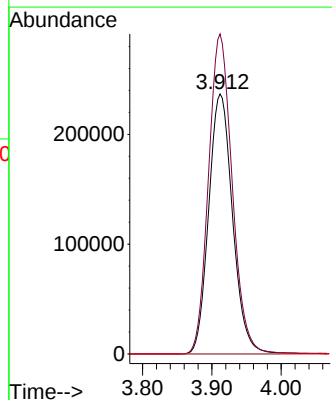
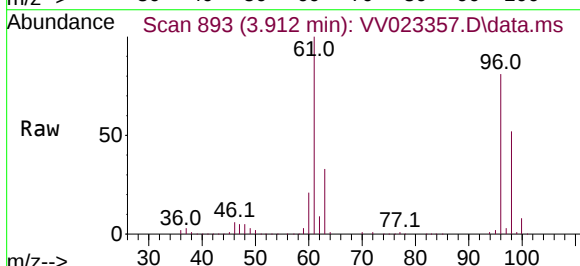
RT: 3.912 min Scan# 893

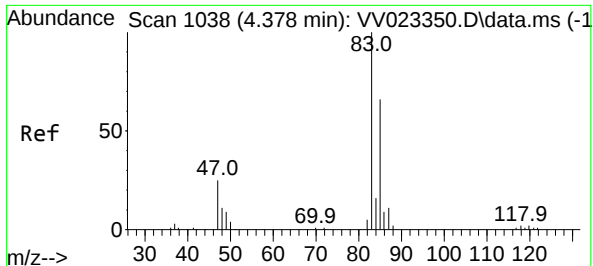
Delta R.T. -0.003 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

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# 1038

Delta R.T. 0.006 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

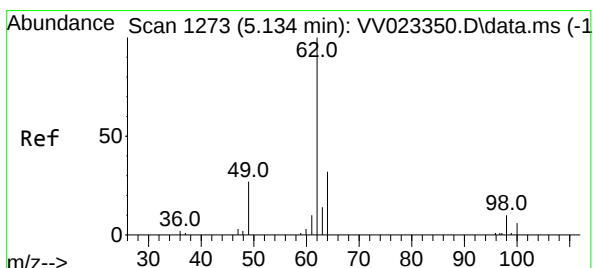
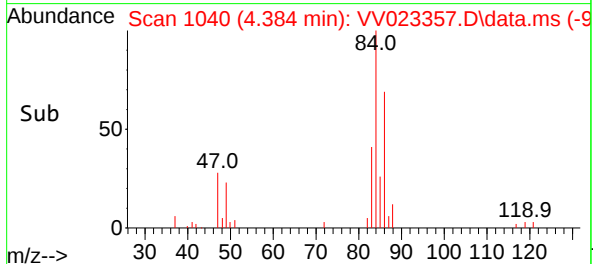
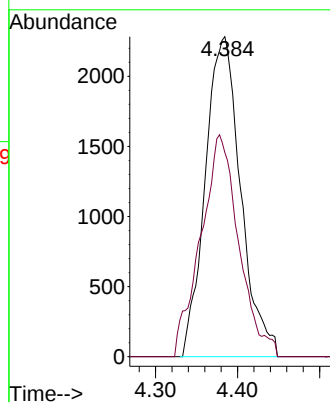
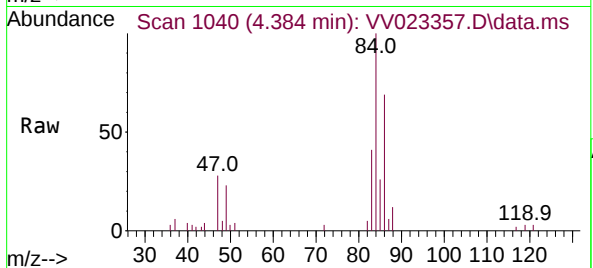
ClientSampleId :

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# 1274

Delta R.T. 0.003 min

Lab File: VV023357.D

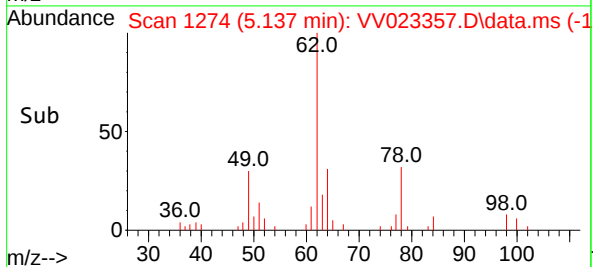
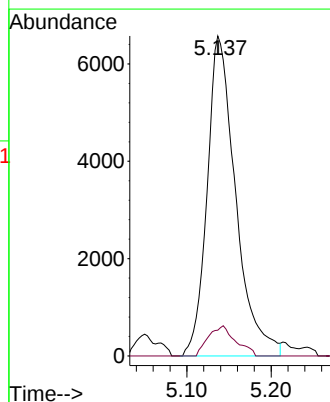
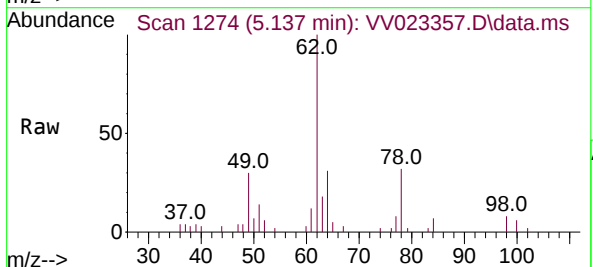
Acq: 11 Nov 2021 01:47

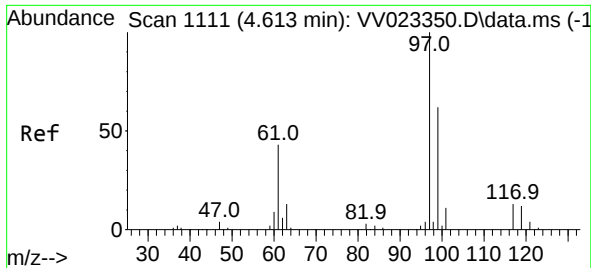
Tgt Ion: 62 Resp: 15478

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

Instrument :

MSVOA_V

ClientSampleId :

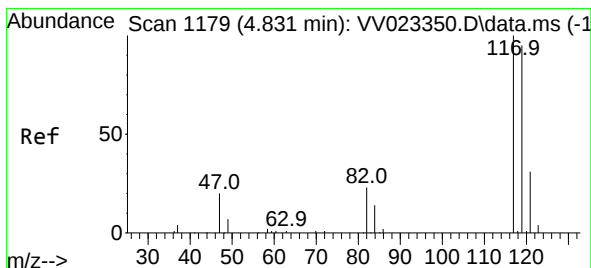
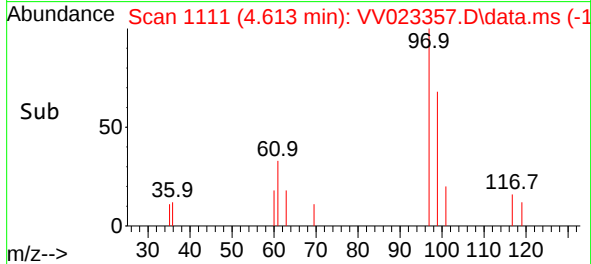
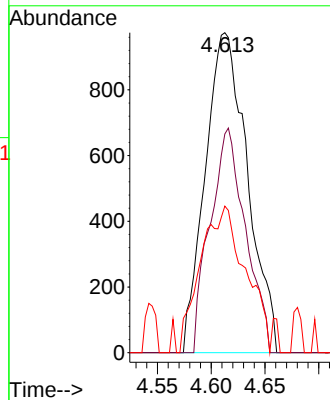
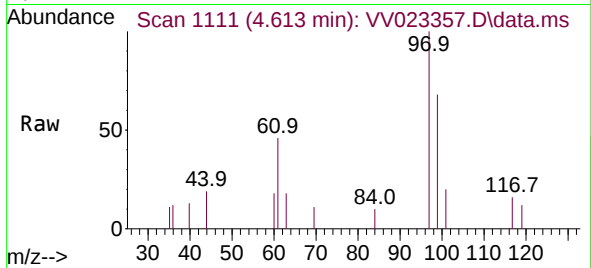
Tgt Ion: 97 Resp: 2664

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# 1180

Delta R.T. 0.003 min

Lab File: VV023357.D

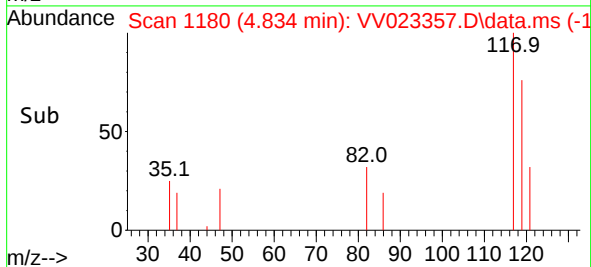
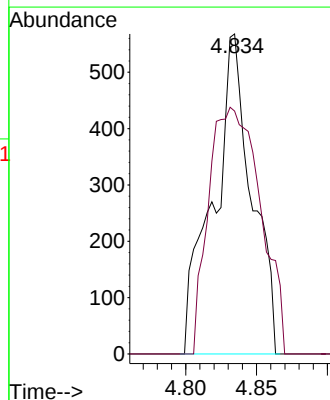
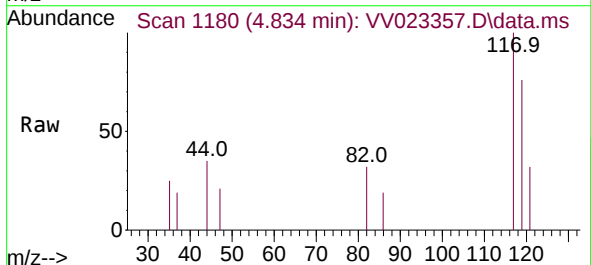
Acq: 11 Nov 2021 01:47

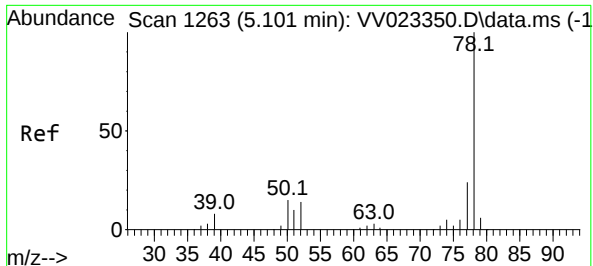
Tgt Ion: 117 Resp: 1076

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# 1

Delta R.T. 0.006 min

Lab File: VV023357.D

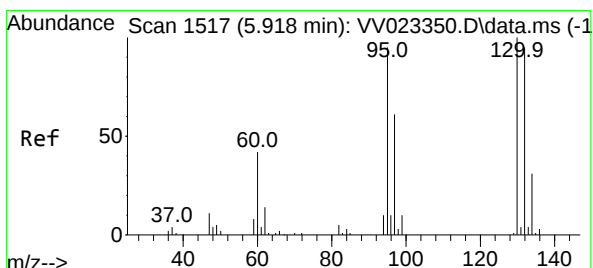
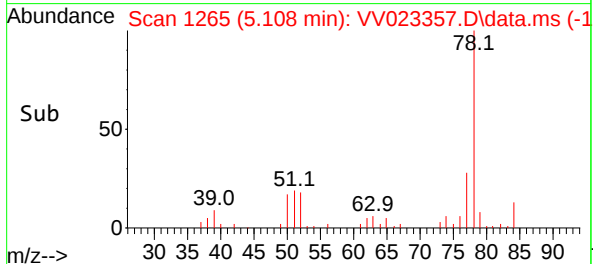
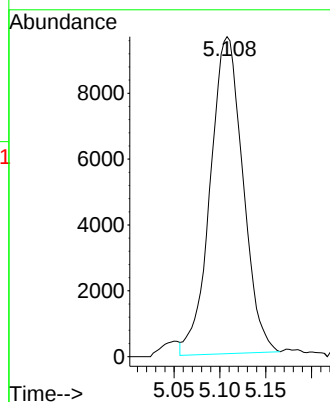
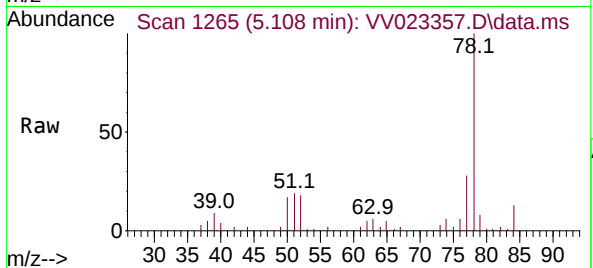
Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 23859



#34

Trichloroethene

Concen: 78.102 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. -0.003 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

Tgt Ion: 95 Resp: 728864

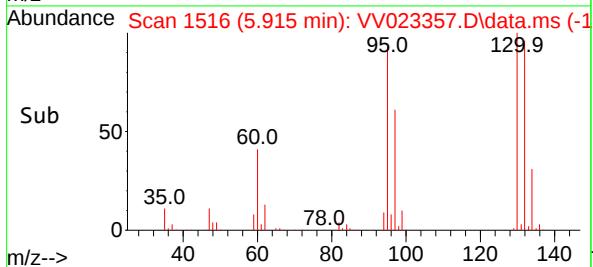
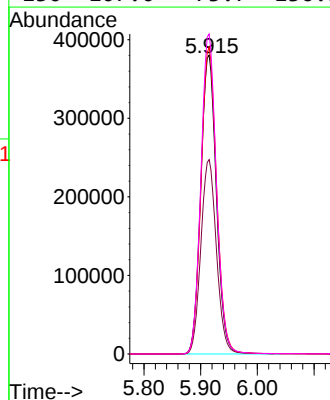
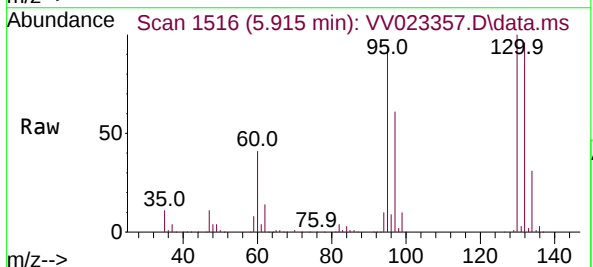
Ion Ratio Lower Upper

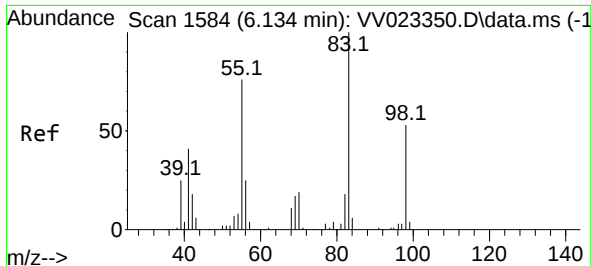
95 100

97 65.0 45.0 83.6

132 102.6 69.7 129.4

130 107.0 73.7 136.9

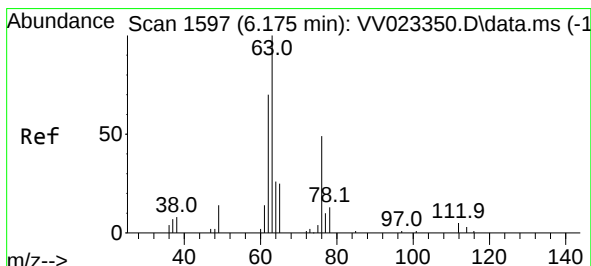
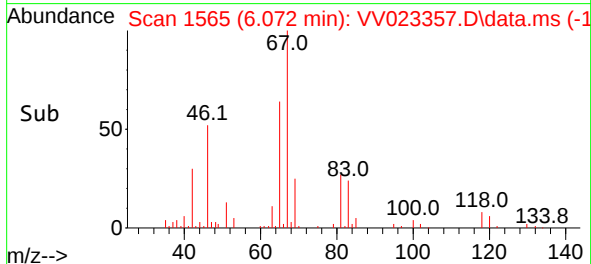
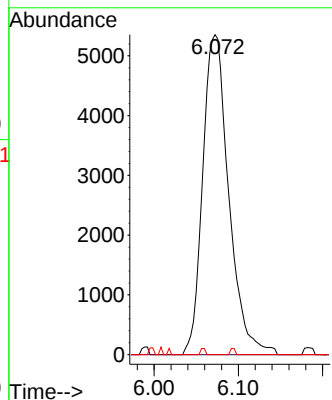
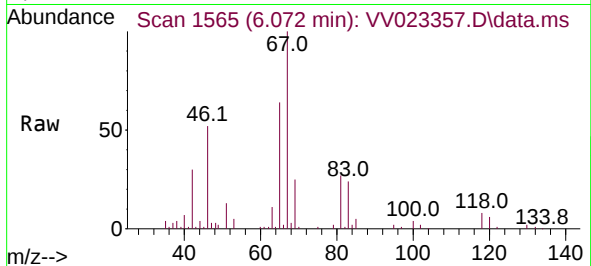




#35
Methylcyclohexane
Concen: 0.783 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV023357.D
Acq: 11 Nov 2021 01:47

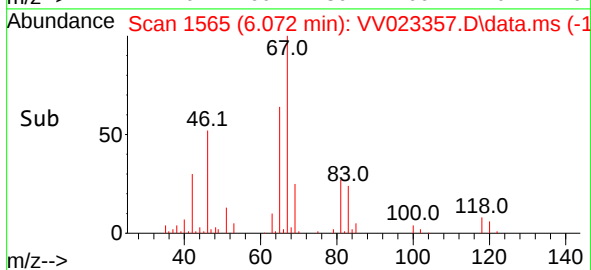
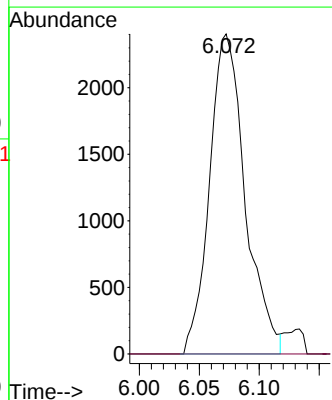
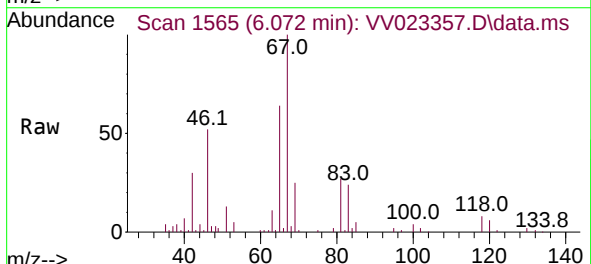
Instrument :
MSVOA_V
ClientSampleId :

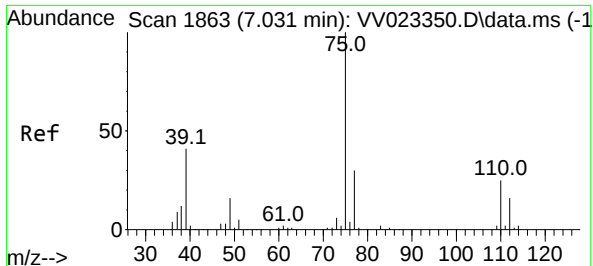
Tgt Ion: 83 Resp: 11536
Ion Ratio Lower Upper
83 100
55 0.2 62.8 94.2#
98 0.0 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.606 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.103 min
Lab File: VV023357.D
Acq: 11 Nov 2021 01:47

Tgt Ion: 63 Resp: 4968
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 6.992 min Scan# 1863

Delta R.T. -0.039 min

Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

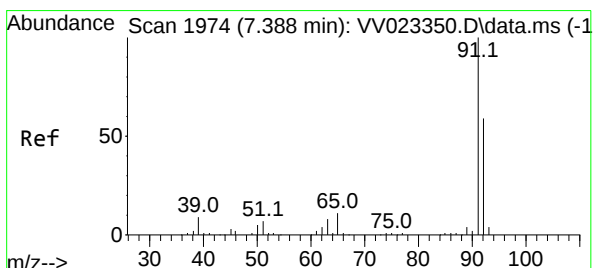
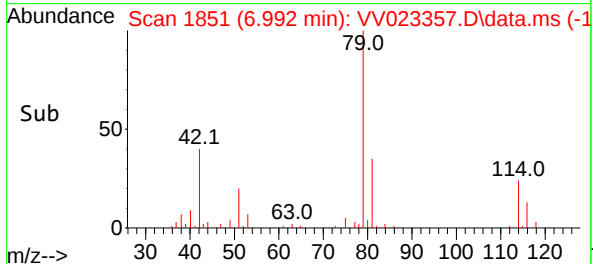
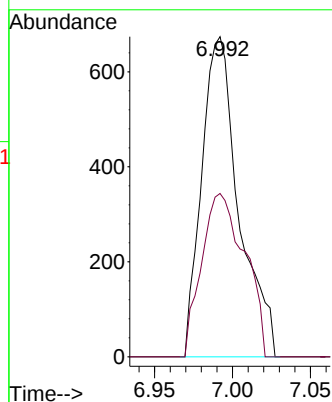
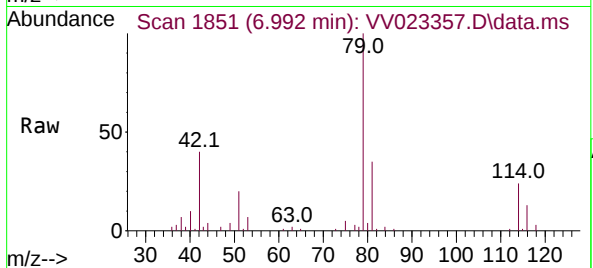
ClientSampleId :

Tgt Ion: 75 Resp: 1117

Ion Ratio Lower Upper

75 100

77 51.0 21.6 40.2#



#42

Toluene

Concen: 0.093 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.013 min

Lab File: VV023357.D

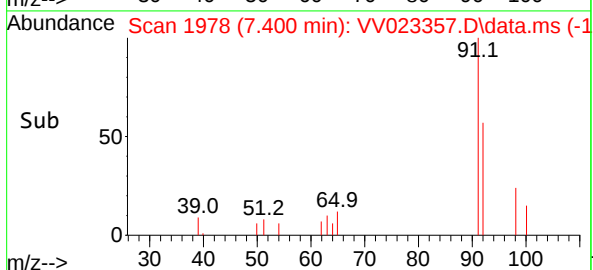
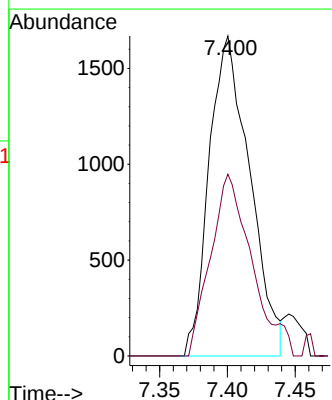
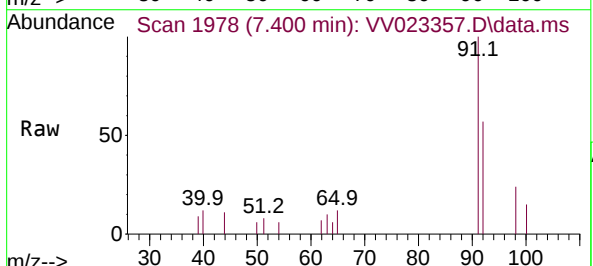
Acq: 11 Nov 2021 01:47

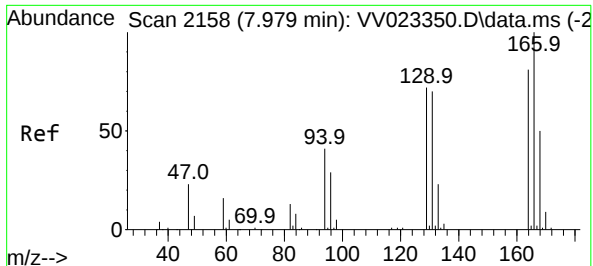
Tgt Ion: 91 Resp: 3474

Ion Ratio Lower Upper

91 100

92 56.8 39.3 72.9





#47

Tetrachloroethene

Concen: 0.626 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.000 min

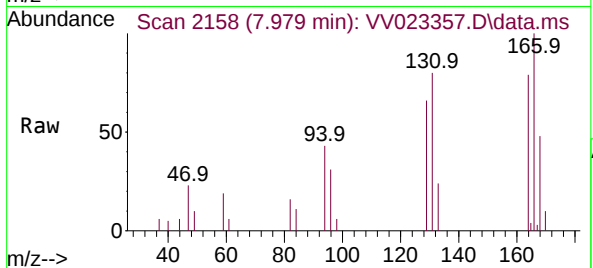
Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 5064

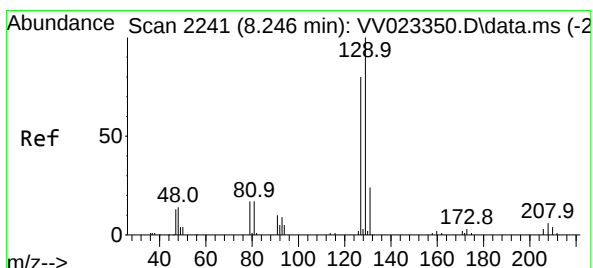
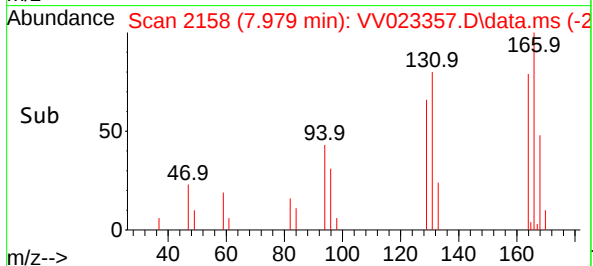
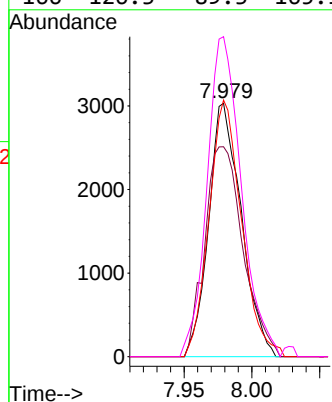
Ion Ratio Lower Upper

164 100

129 82.8 64.0 119.0

131 101.3 63.4 117.8

166 126.3 89.3 165.9



#49

Dibromochloromethane

Concen: 0.656 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV023357.D

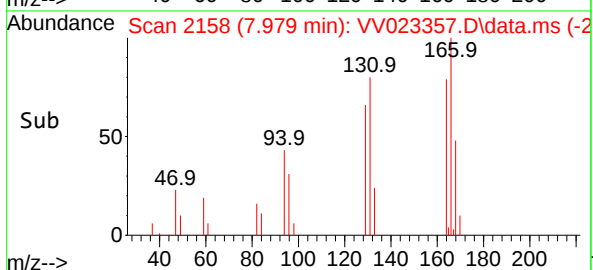
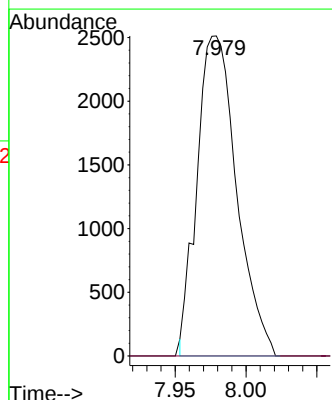
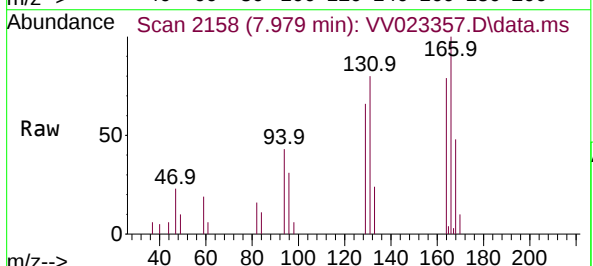
Acq: 11 Nov 2021 01:47

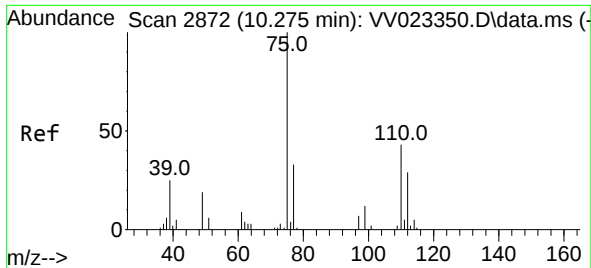
Tgt Ion:129 Resp: 4893

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#





#61

1,2,3-Trichloropropane

Concen: 1.643 ug/L

RT: 11.249 min Scan# 31

Delta R.T. 0.974 min

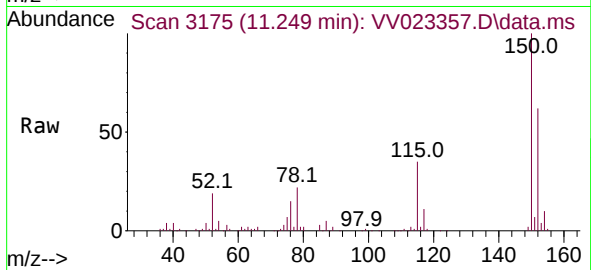
Lab File: VV023357.D

Acq: 11 Nov 2021 01:47

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 6481

Ion Ratio Lower Upper

75 100

77 33.7 26.6 39.8

110 2.9 31.8 47.6#

