

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023030.D
 Acq On : 26 Oct 2021 11:43
 Operator : SY/MD
 Sample : M4278-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFG6

Quant Time: Oct 27 01:31:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	131053	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	131434	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	56812	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	49345	4.309	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.568	69	36759	5.189	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.800%
11) 1,1-Dichloroethene-d2	2.108	63	48813	2.955	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.000%#
20) 2-Butanone-d5	3.892	46	91830	49.989	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.980%
24) Chloroform-d	4.352	84	90491	4.861	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.037	65	41776	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	5.056	84	184312	4.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.072	67	58021	4.912	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.320	98	153617	4.457	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	7.628	79	19016	4.595	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.091	63	63999	41.766	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.540%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35775	4.386	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	56115	5.536	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	1014	0.109	ug/L #	1
12) 1,1-Dichloroethene	2.111	96	554	0.083	ug/L #	1
13) Acetone	2.178	43	5154	5.719	ug/L	87
17) Methyl tert-butyl Ether	2.770	73	4817	0.301	ug/L #	89
18) trans-1,2-Dichloroethene	2.764	96	449	0.063	ug/L	76
22) cis-1,2-Dichloroethene	3.915	96	46025	5.667	ug/L #	87
25) Chloroform	4.378	83	6765	0.389	ug/L	97
34) Trichloroethene	5.921	95	12555	1.413	ug/L	97
35) Methylcyclohexane	6.072	83	14135	1.111	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	6469	0.726	ug/L #	83
39) cis-1,3-Dichloropropene	6.985	75	1338	0.121	ug/L	91
42) Toluene	7.400	91	6869	0.192	ug/L	99
45) 1,1,2-Trichloroethane	7.979	97	516	0.083	ug/L #	1
47) Tetrachloroethene	7.979	164	50912	6.782	ug/L	99
48) 2-Hexanone	8.143	43	6840	2.195	ug/L #	48
49) Dibromochloromethane	7.979	129	46355	6.247	ug/L #	10
61) 1,2,3-Trichloropropane	11.191	75	303	0.076	ug/L #	38
64) 1,3-Dichlorobenzene	11.191	146	958	0.063	ug/L	100
65) 1,4-Dichlorobenzene	11.278	146	1381	0.090	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 27 01:29:33 2021
Response via : Initial Calibration

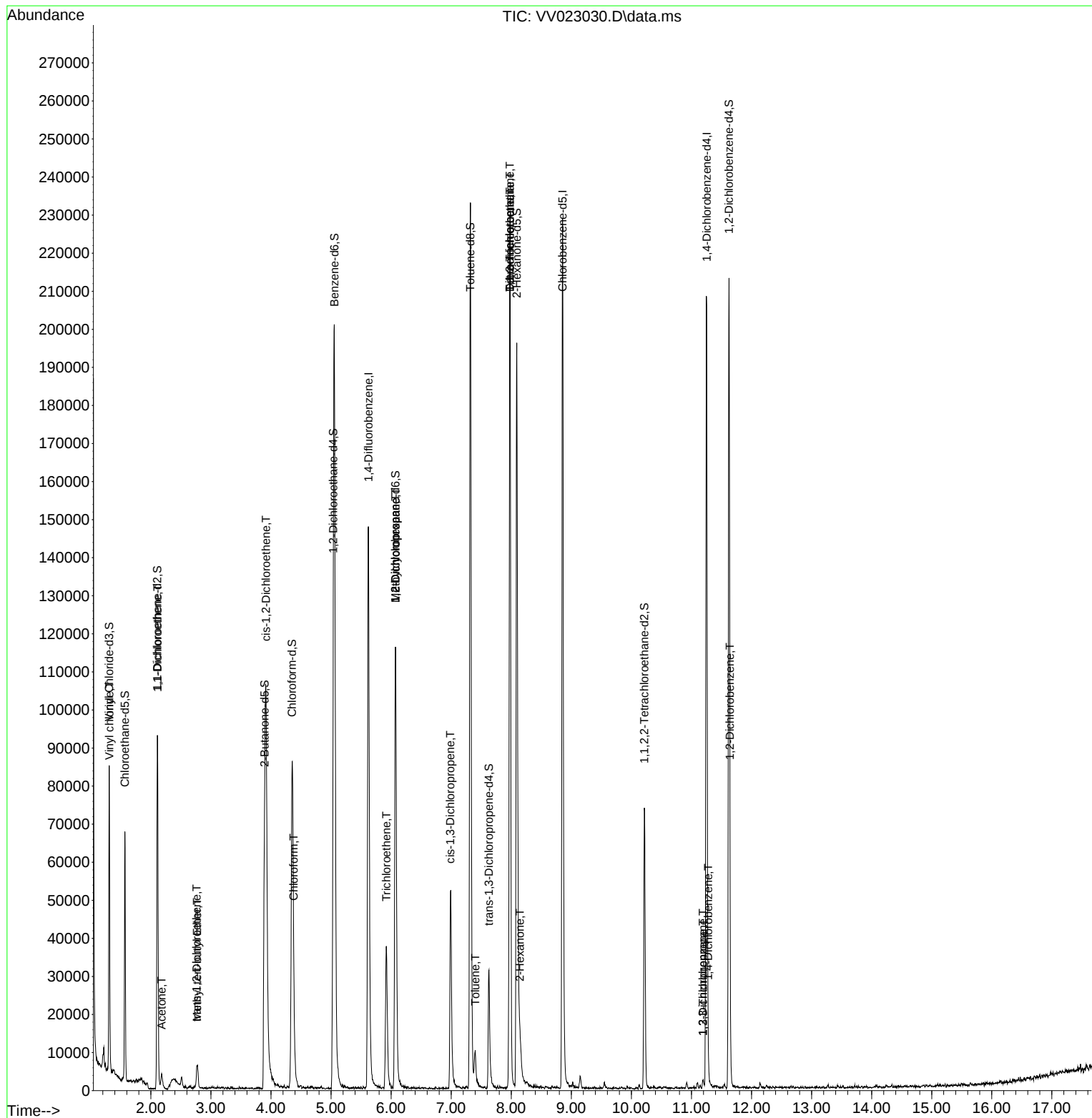
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.641	146	1357	0.096	ug/L #	86

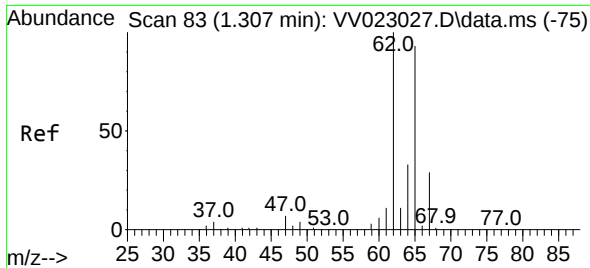
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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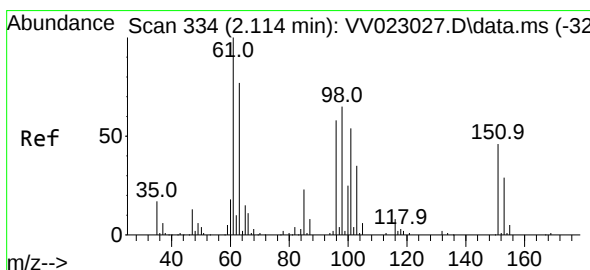
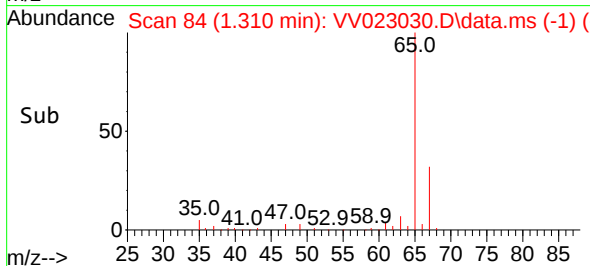
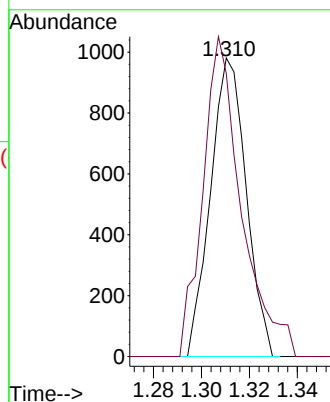
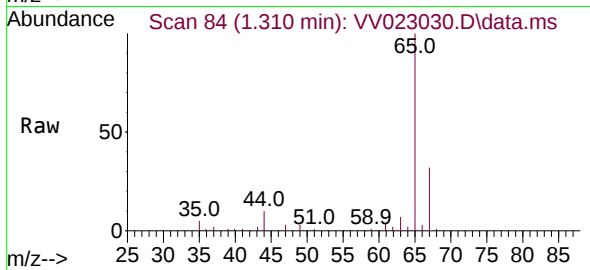




#5
 Vinyl chloride
 Concen: 0.109 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023030.D
 Acq: 26 Oct 2021 11:43

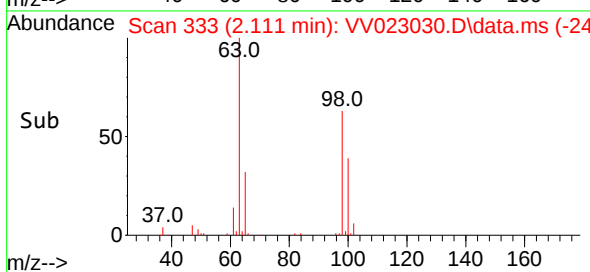
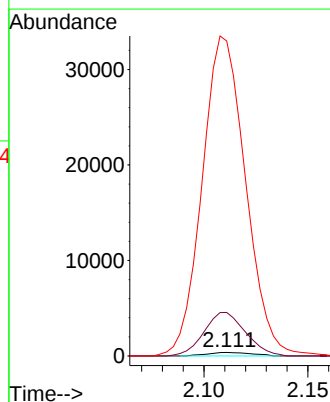
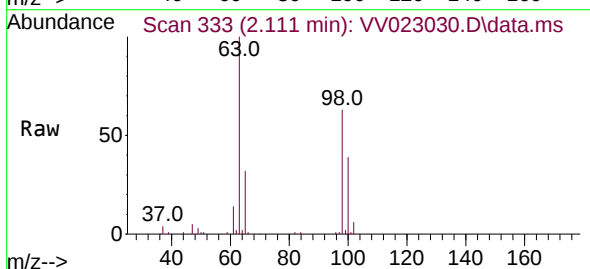
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGE6

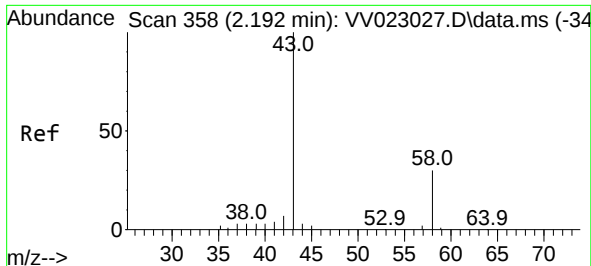
Tgt Ion: 62 Resp: 1014
 Ion Ratio Lower Upper
 62 100
 64 94.8 23.1 42.9#



#12
 1,1-Dichloroethene
 Concen: 0.083 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.003 min
 Lab File: VV023030.D
 Acq: 26 Oct 2021 11:43

Tgt Ion: 96 Resp: 554
 Ion Ratio Lower Upper
 96 100
 61 1214.7 121.5 225.7#
 63 8795.7 99.6 185.0#





#13

Acetone

Concen: 5.719 ug/L

RT: 2.178 min Scan# 3

Delta R.T. -0.013 min

Lab File: VV023030.D

Acq: 26 Oct 2021 11:43

Instrument :

MSVOA_V

ClientSampleId :

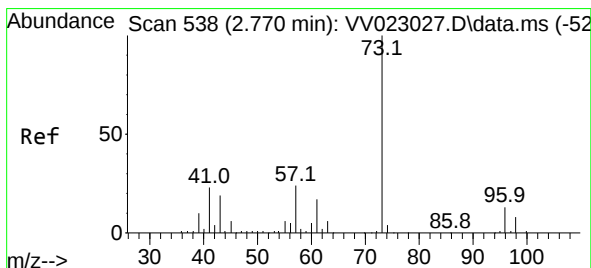
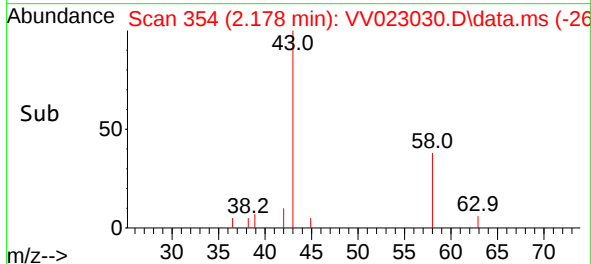
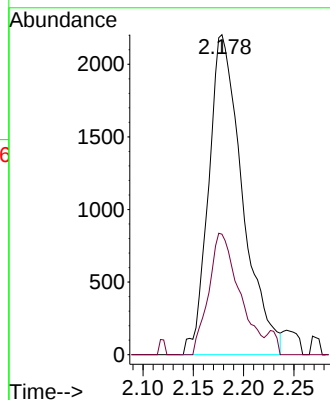
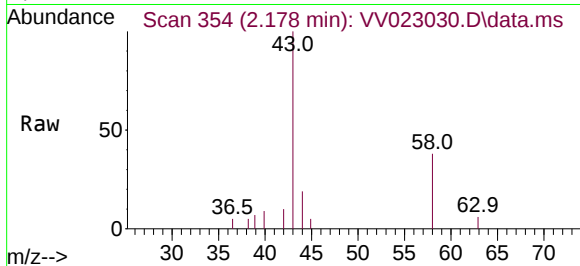
BFGE6

Tgt Ion: 43 Resp: 5154

Ion Ratio Lower Upper

43 100

58 34.5 0.0 55.4



#17

Methyl tert-butyl Ether

Concen: 0.301 ug/L

RT: 2.770 min Scan# 538

Delta R.T. -0.000 min

Lab File: VV023030.D

Acq: 26 Oct 2021 11:43

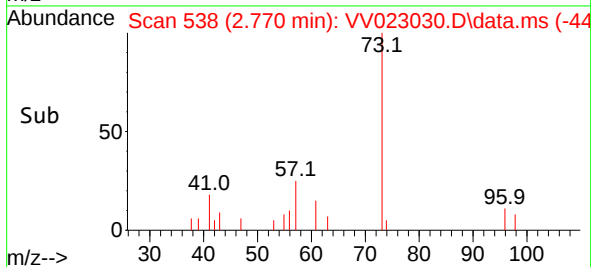
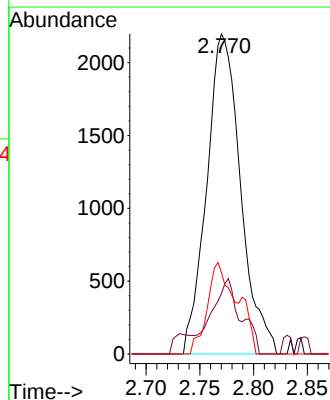
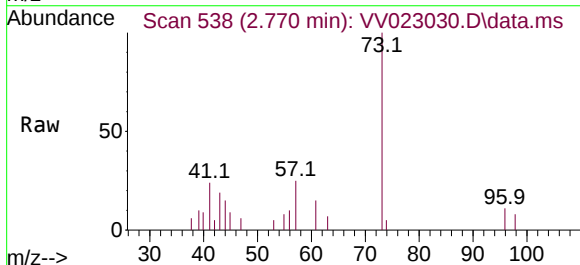
Tgt Ion: 73 Resp: 4817

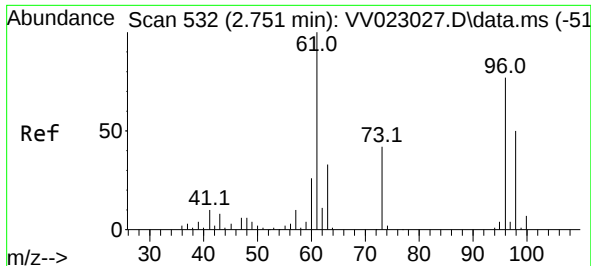
Ion Ratio Lower Upper

73 100

43 11.3 17.4 26.0#

57 20.6 16.5 24.7

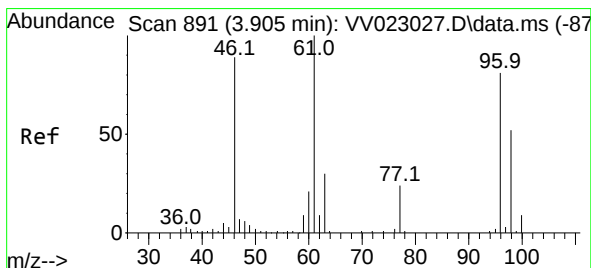
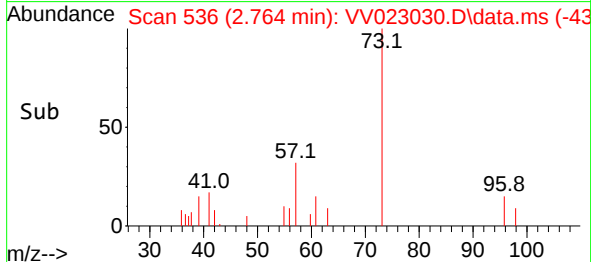
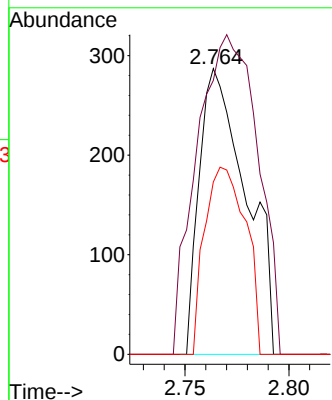
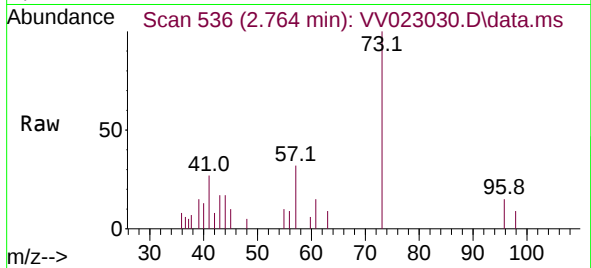




#18
trans-1,2-Dichloroethene
Concen: 0.063 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.013 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

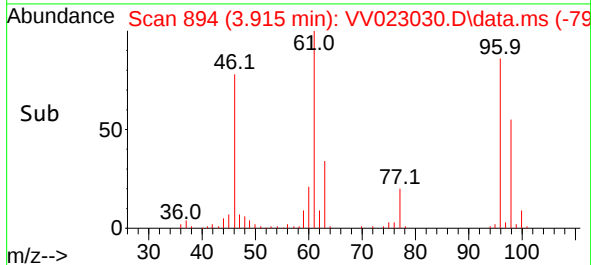
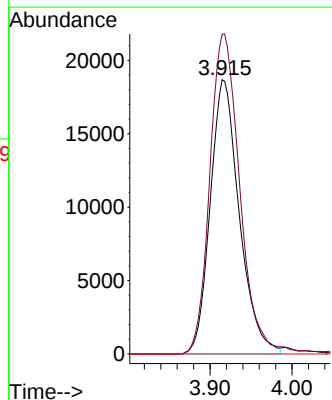
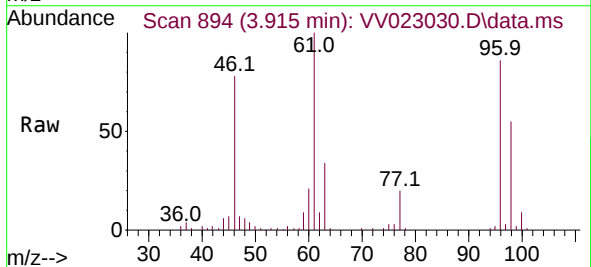
Instrument :
MSVOA_V
ClientSampleId :
BFGE6

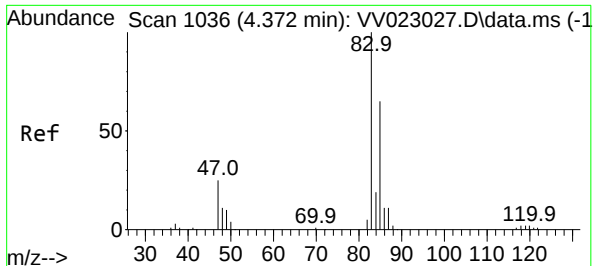
Tgt Ion: 96 Resp: 449
Ion Ratio Lower Upper
96 100
61 95.8 93.2 173.2
98 60.3 47.0 87.2



#22
cis-1,2-Dichloroethene
Concen: 5.667 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.009 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

Tgt Ion: 96 Resp: 46025
Ion Ratio Lower Upper
96 100
61 116.7 92.3 171.3
68 0.0 0.4 0.8#





#25

Chloroform

Concen: 0.389 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV023030.D

Acq: 26 Oct 2021 11:43

Instrument :

MSVOA_V

ClientSampleId :

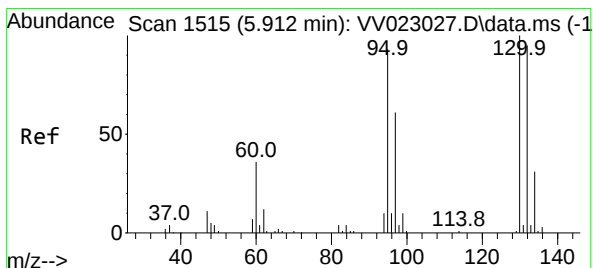
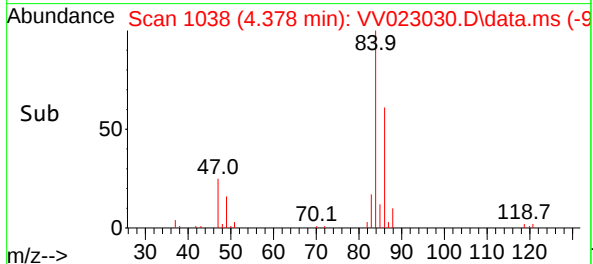
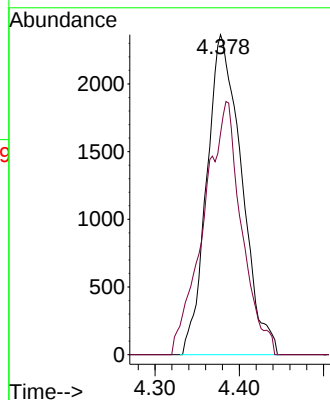
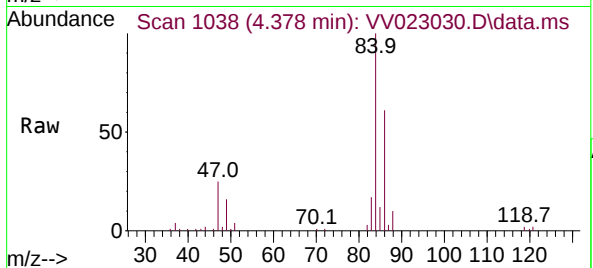
BFGE6

Tgt Ion: 83 Resp: 6765

Ion Ratio Lower Upper

83 100

85 69.1 46.8 86.8



#34

Trichloroethene

Concen: 1.413 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.009 min

Lab File: VV023030.D

Acq: 26 Oct 2021 11:43

Tgt Ion: 95 Resp: 12555

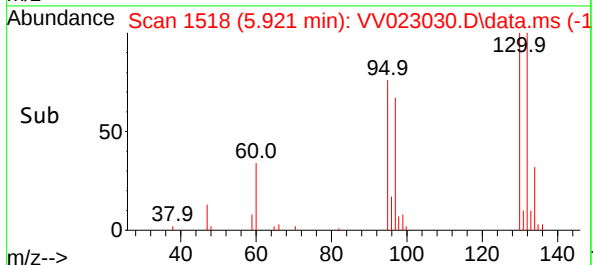
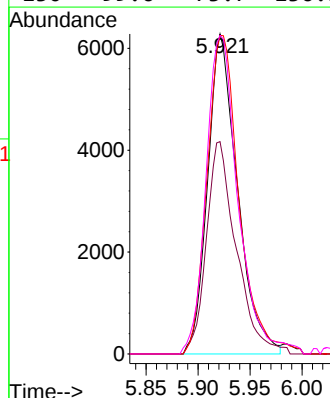
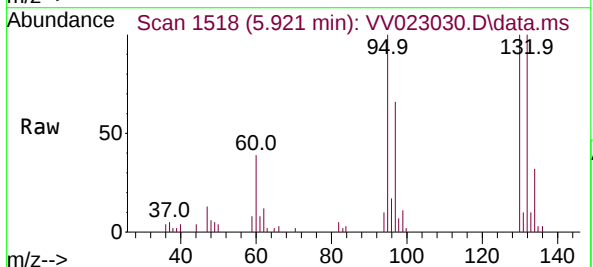
Ion Ratio Lower Upper

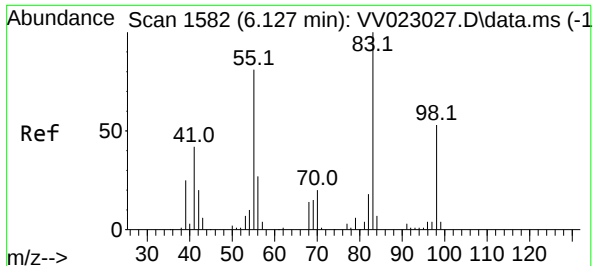
95 100

97 66.3 45.0 83.6

132 99.5 69.7 129.4

130 99.6 73.7 136.9

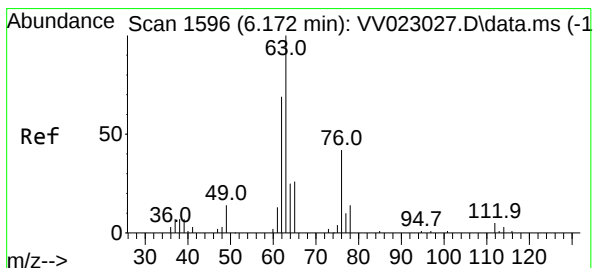
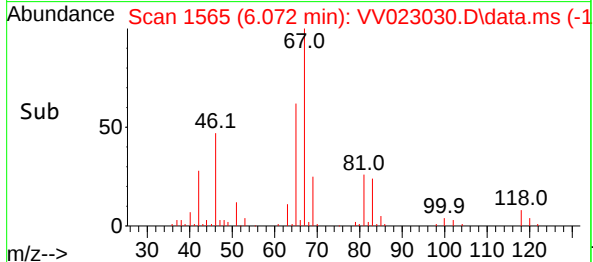
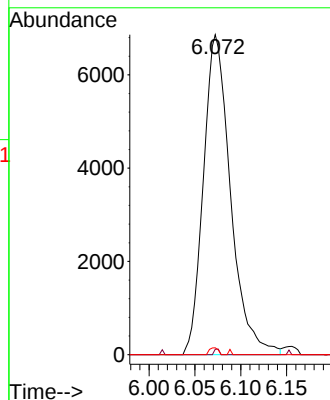
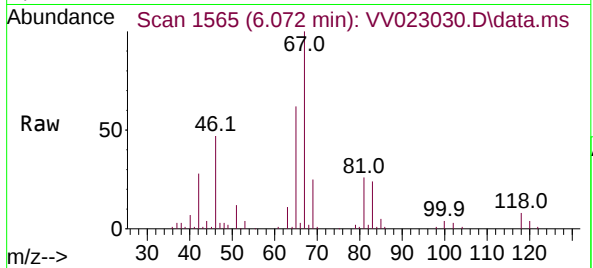




#35
Methylcyclohexane
Concen: 1.111 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

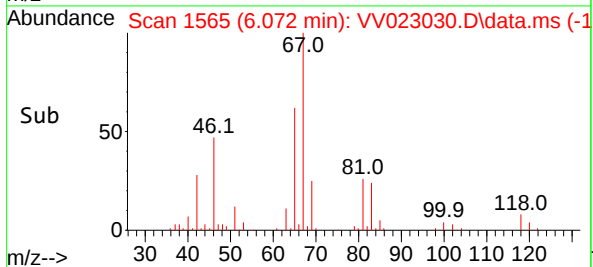
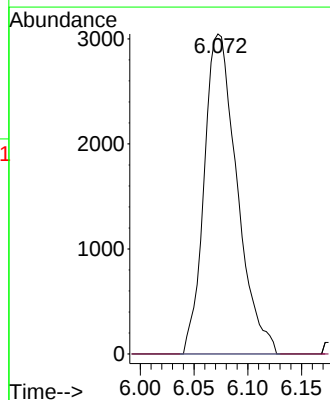
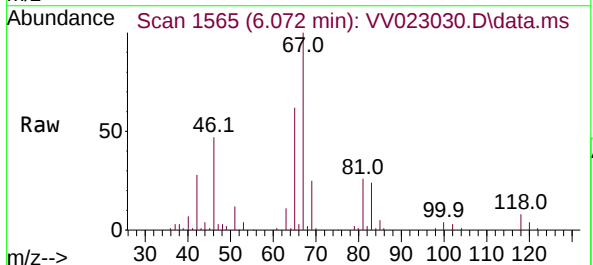
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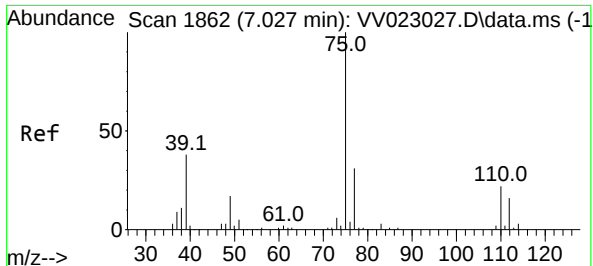
Tgt Ion: 83 Resp: 14135
Ion Ratio Lower Upper
83 100
55 0.3 62.8 94.2#
98 0.7 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.726 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

Tgt Ion: 63 Resp: 6469
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.121 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV023030.D

Acq: 26 Oct 2021 11:43

Instrument :

MSVOA_V

ClientSampleId :

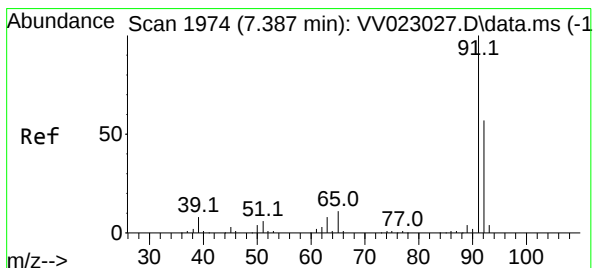
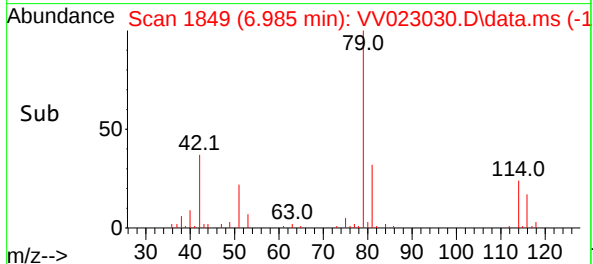
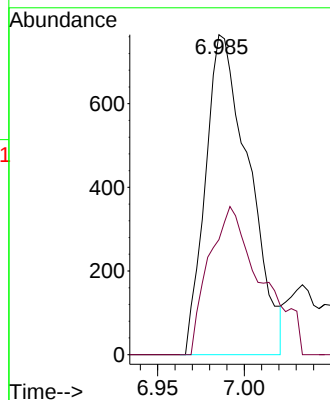
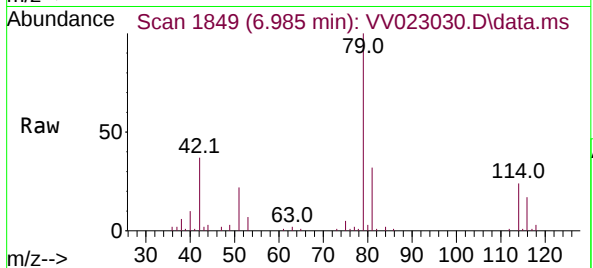
BFG6

Tgt Ion: 75 Resp: 1338

Ion Ratio Lower Upper

75 100

77 35.9 21.6 40.2



#42

Toluene

Concen: 0.192 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.013 min

Lab File: VV023030.D

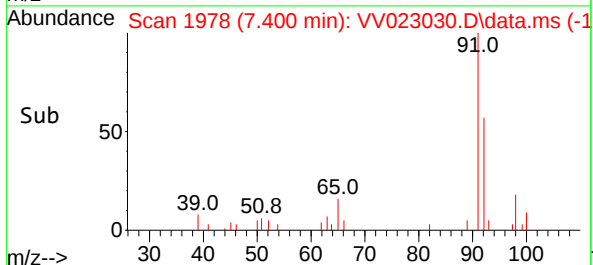
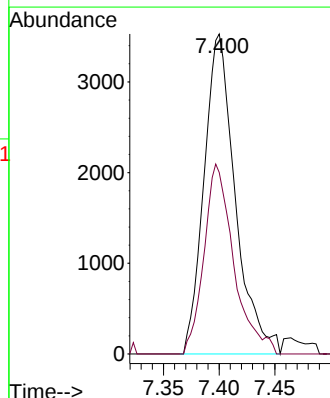
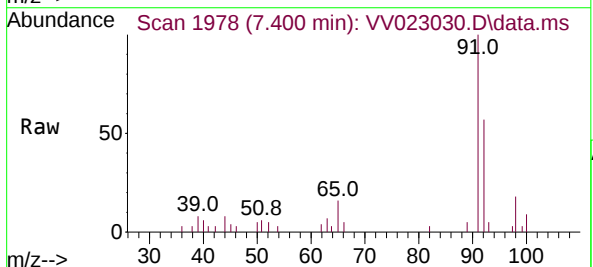
Acq: 26 Oct 2021 11:43

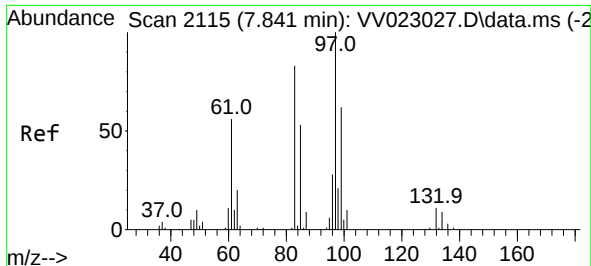
Tgt Ion: 91 Resp: 6869

Ion Ratio Lower Upper

91 100

92 56.7 39.3 72.9





#45

1,1,2-Trichloroethane

Concen: 0.083 ug/L

RT: 7.979 min Scan# 2115

Delta R.T. 0.138 min

Lab File: VV023030.D

Acq: 26 Oct 2021 11:43

Instrument :

MSVOA_V

ClientSampleId :

BFG6

Tgt Ion: 97 Resp: 516

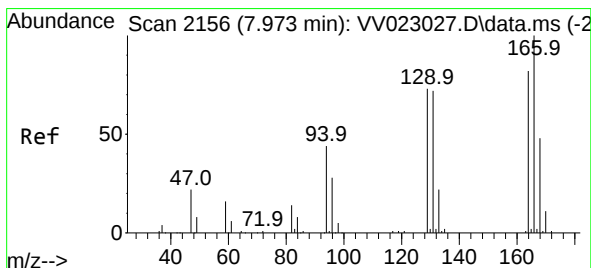
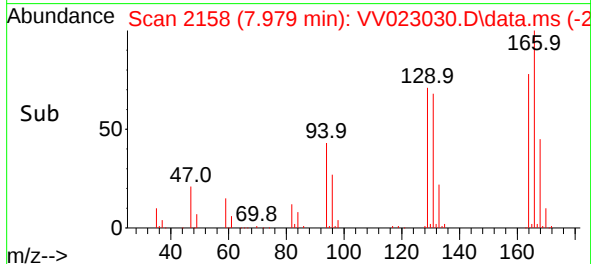
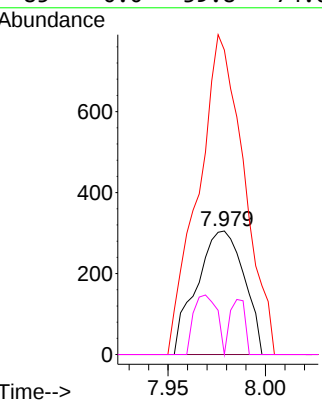
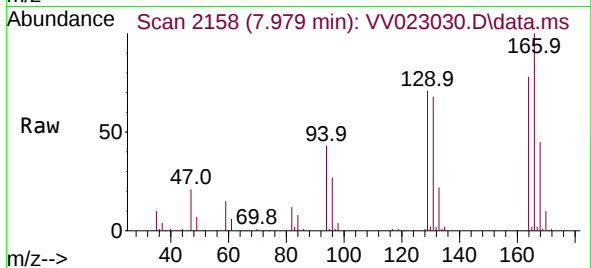
Ion Ratio Lower Upper

97 100

99 0.0 43.6 81.0#

83 246.6 58.4 108.4#

85 0.0 39.8 74.0#



#47

Tetrachloroethene

Concen: 6.782 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV023030.D

Acq: 26 Oct 2021 11:43

Tgt Ion:164 Resp: 50912

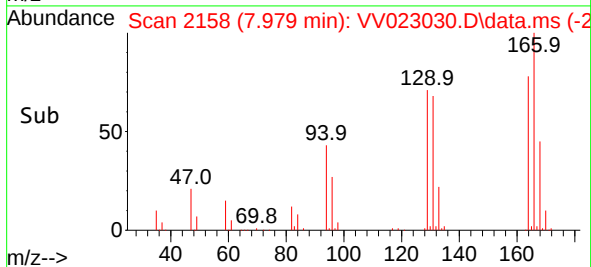
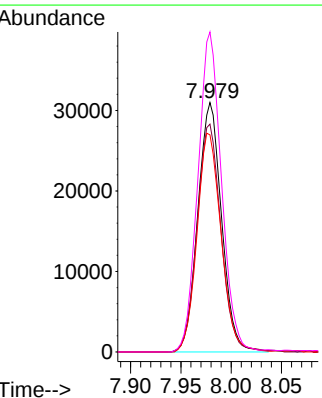
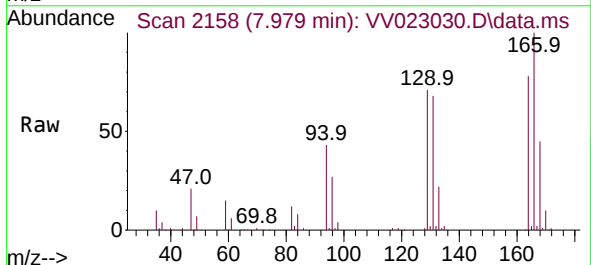
Ion Ratio Lower Upper

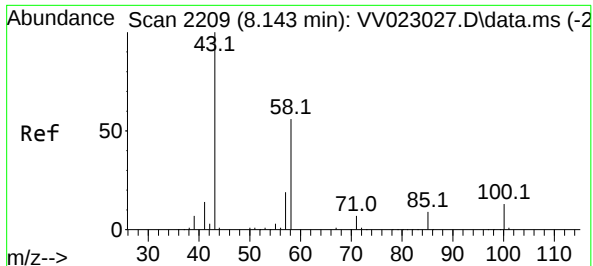
164 100

129 91.3 64.0 119.0

131 87.1 63.4 117.8

166 128.3 89.3 165.9

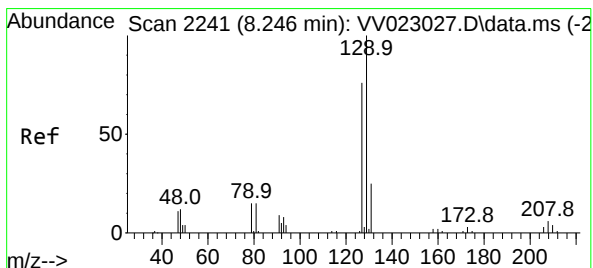
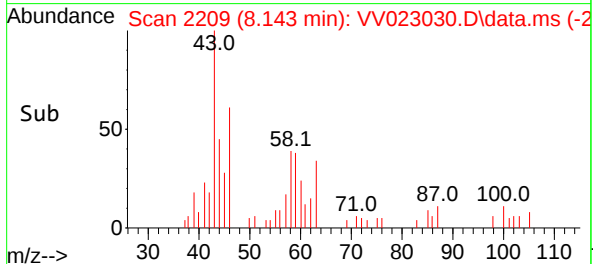
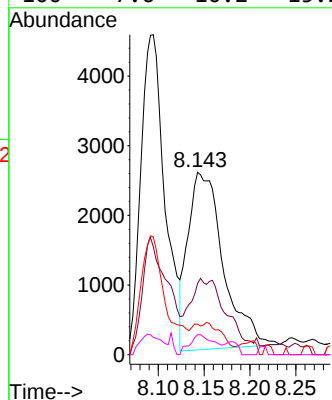
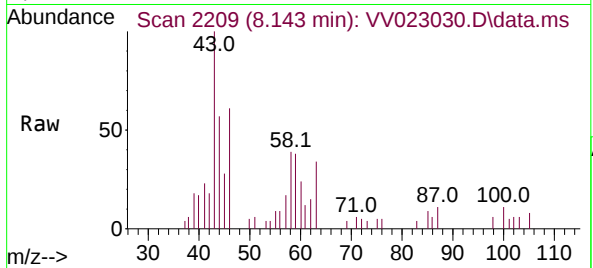




#48
2-Hexanone
Concen: 2.195 ug/L
RT: 8.143 min Scan# 2158
Delta R.T. -0.000 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

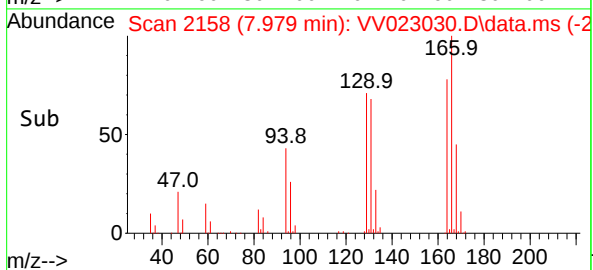
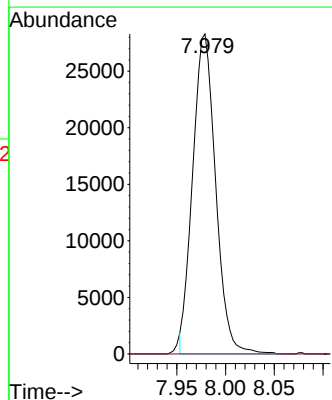
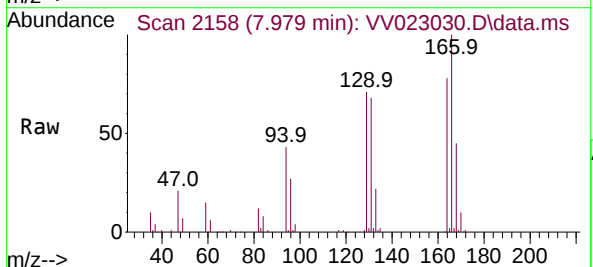
Instrument :
MSVOA_V
ClientSampleId :
BFG6

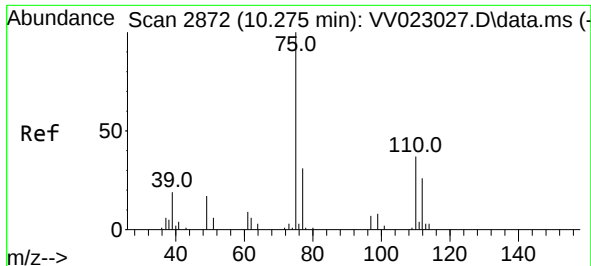
Tgt Ion: 43 Resp: 6840
Ion Ratio Lower Upper
43 100
58 7.6 43.7 65.5#
57 0.0 14.1 21.1#
100 7.6 10.2 15.2#



#49
Dibromochloromethane
Concen: 6.247 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

Tgt Ion: 129 Resp: 46355
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

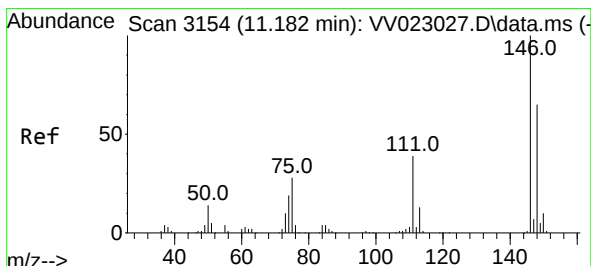
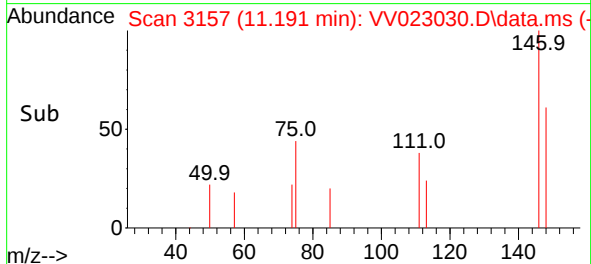
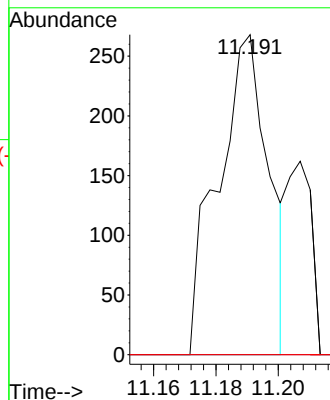
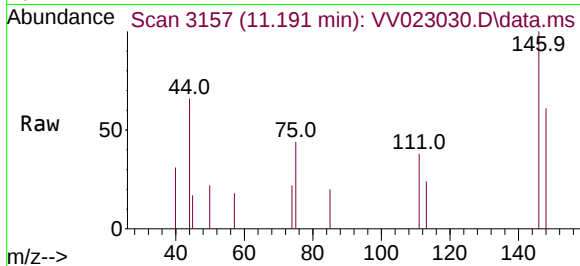




#61
1,2,3-Trichloropropane
Concen: 0.076 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.916 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

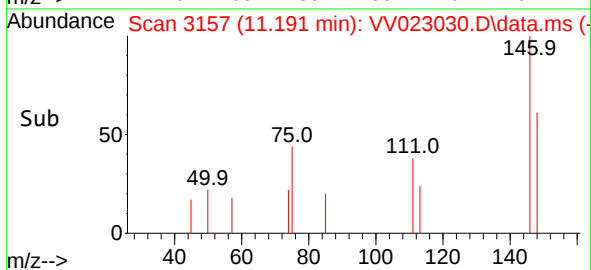
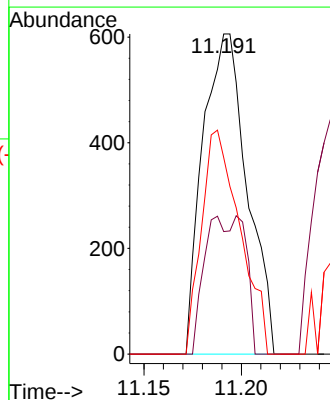
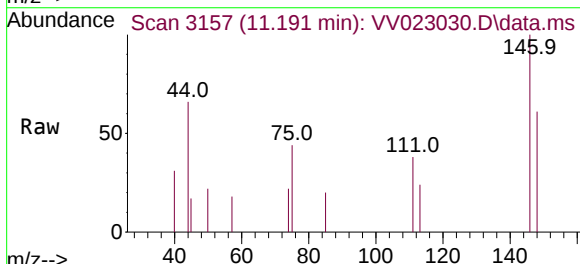
Instrument :
MSVOA_V
ClientSampleId :
BFGE6

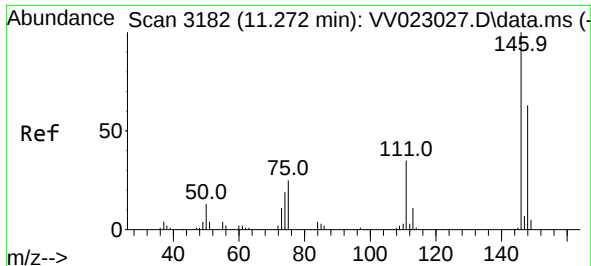
Tgt Ion: 75 Resp: 303
Ion Ratio Lower Upper
75 100
77 0.0 26.6 39.8#
110 0.0 31.8 47.6#



#64
1,3-Dichlorobenzene
Concen: 0.063 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.009 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

Tgt Ion:146 Resp: 958
Ion Ratio Lower Upper
146 100
111 38.3 26.7 49.7
148 61.4 42.9 79.7

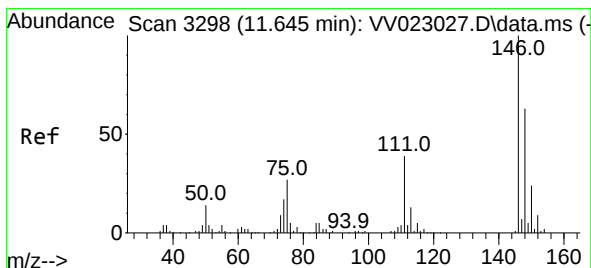
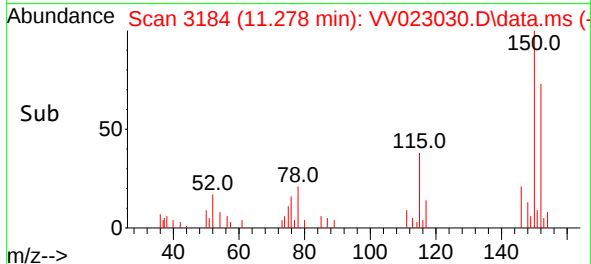
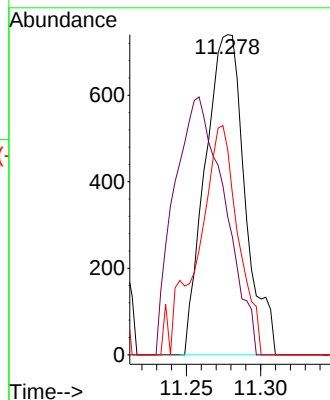
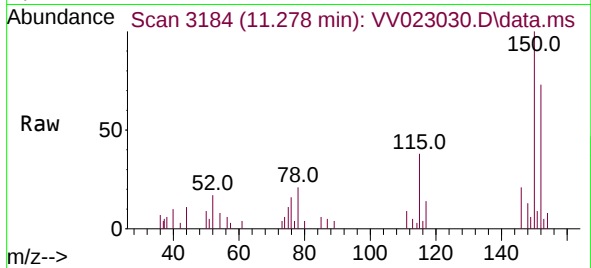




#65
1,4-Dichlorobenzene
Concen: 0.090 ug/L
RT: 11.278 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

Instrument :
MSVOA_V
ClientSampleId :
BFGE6

Tgt Ion:	146	Resp:	1381
Ion	Ratio	Lower	Upper
146	100		
111	43.1	26.2	48.8
148	64.1	44.4	82.5



#67
1,2-Dichlorobenzene
Concen: 0.096 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.003 min
Lab File: VV023030.D
Acq: 26 Oct 2021 11:43

Tgt Ion:	146	Resp:	1357
Ion	Ratio	Lower	Upper
146	100		
111	58.9	31.6	47.4#
148	61.0	51.0	76.6

