

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102021\
 Data File : VW022941.D
 Acq On : 20 Oct 2021 18:53
 Operator : SY/MD
 Sample : M4137-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC8

Quant Time: Oct 21 02:48:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 21 02:43:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	123477	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	124687	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56750	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	31083	3.659	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.200%
7) Chloroethane-d5	1.568	69	26681	3.495	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.800%
11) 1,1-Dichloroethene-d2	2.108	63	42234	2.534	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.600%#
20) 2-Butanone-d5	3.886	46	106956	48.016	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.040%
24) Chloroform-d	4.352	84	91138	5.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
26) 1,2-Dichloroethane-d4	5.034	65	44085	5.188	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	5.053	84	177701	4.787	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.072	67	58817	5.351	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.320	98	147980	4.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	7.629	79	16925	4.641	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.088	63	77363	52.645	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	41598	5.586	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	59623	5.667	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	938	0.104	ug/L	94
5) Vinyl chloride	1.311	62	2210	0.236	ug/L #	73
8) Chloroethane	1.587	64	1211	0.209	ug/L #	75
12) 1,1-Dichloroethene	2.111	96	609	0.082	ug/L #	1
13) Acetone	2.352	43	4524	3.642	ug/L	85
14) Carbon disulfide	2.298	76	1430	0.068	ug/L #	86
17) Methyl tert-butyl Ether	2.770	73	18613	1.031	ug/L	96
19) 1,1-Dichloroethane	3.191	63	25332	1.734	ug/L	95
22) cis-1,2-Dichloroethene	3.912	96	69111	8.114	ug/L	95
25) Chloroform	4.381	83	7640	0.451	ug/L	92
34) Trichloroethene	5.928	95	4468	0.489	ug/L	96
35) Methylcyclohexane	6.072	83	13685	1.070	ug/L #	16
39) cis-1,3-Dichloropropene	6.989	75	1460	0.137	ug/L #	37
42) Toluene	7.397	91	7832	0.230	ug/L	97
47) Tetrachloroethene	7.976	164	13804	1.869	ug/L	99
49) Dibromochloromethane	7.979	129	13046	1.860	ug/L #	7
53) m,p-xylene	9.143	106	1156	0.085	ug/L	87
61) 1,2,3-Trichloropropane	11.249	75	6685	1.695	ug/L #	63
68) 1,2-Dibromo-3-chloropr...	12.259	75	122	0.170	ug/L #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102021\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 21 02:43:59 2021
Response via : Initial Calibration

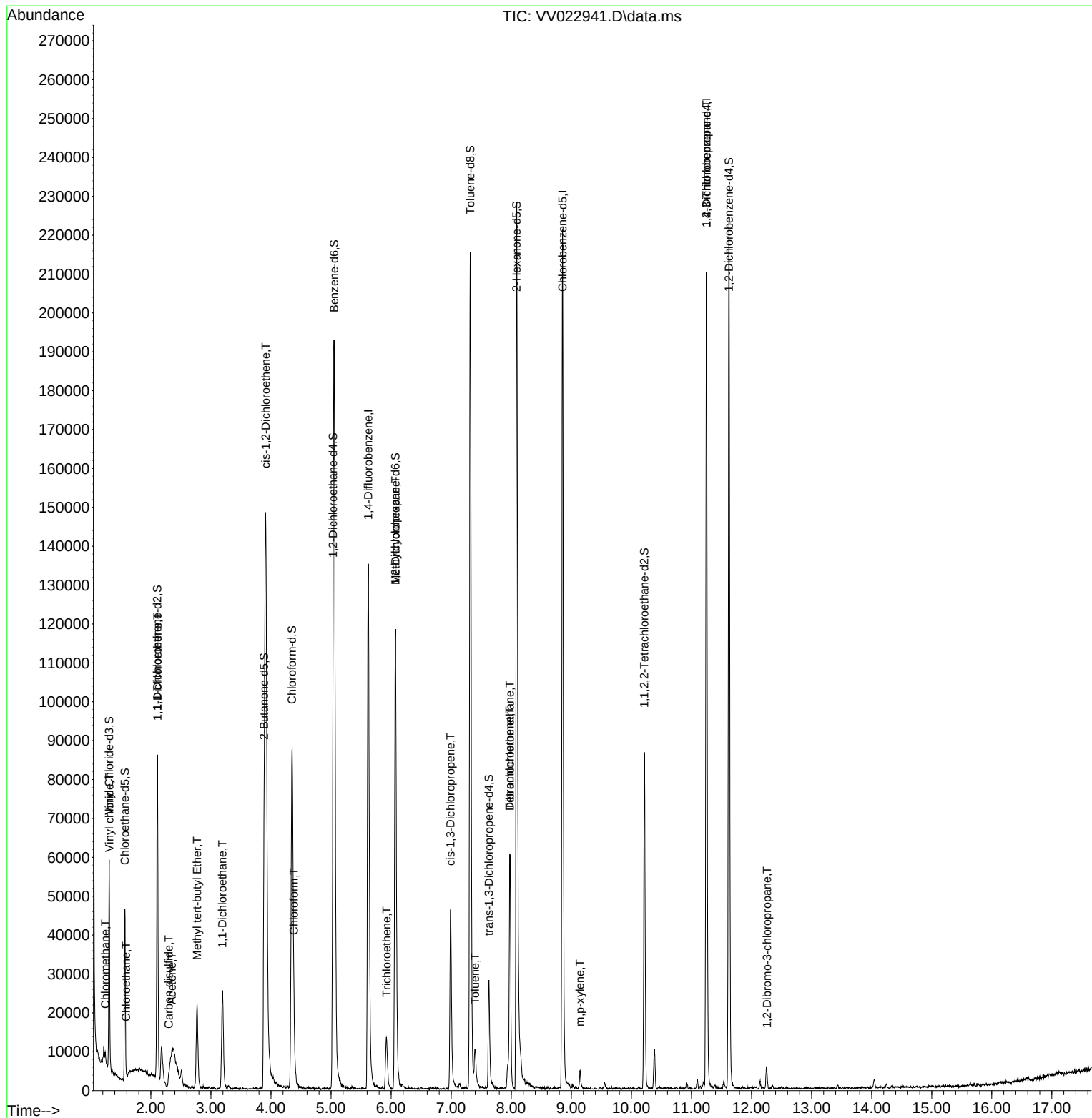
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

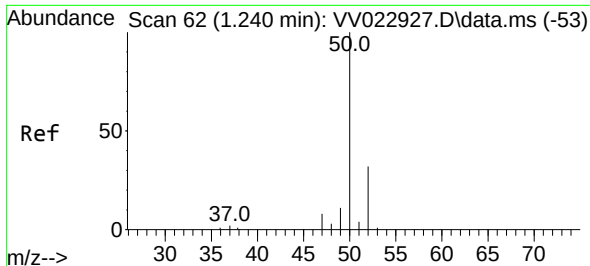
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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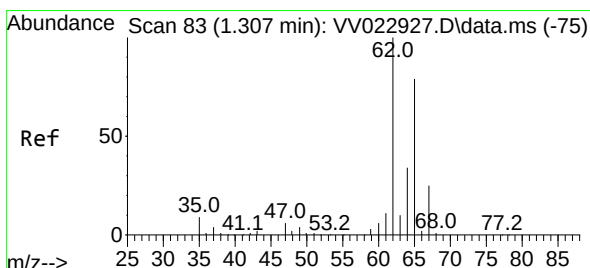
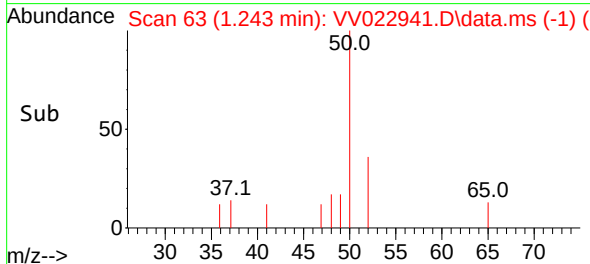
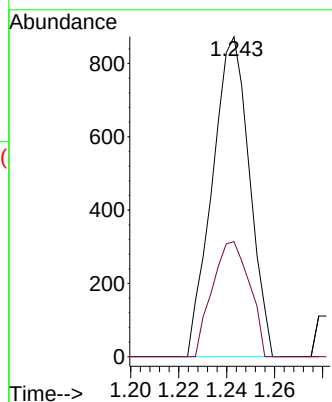
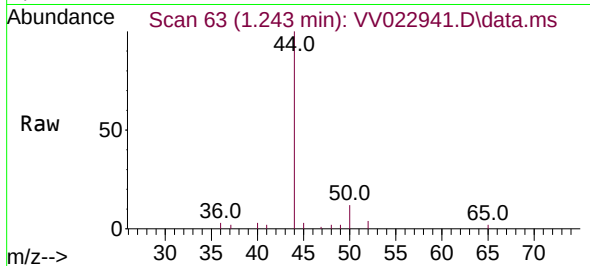




#3
Chloromethane
Concen: 0.104 ug/L
RT: 1.243 min Scan# 63
Delta R.T. 0.003 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

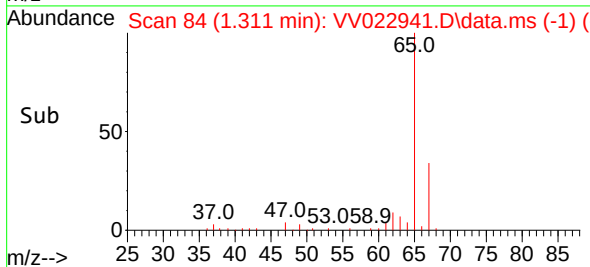
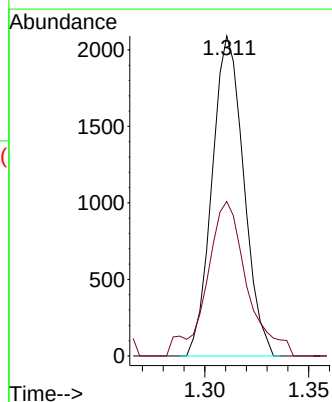
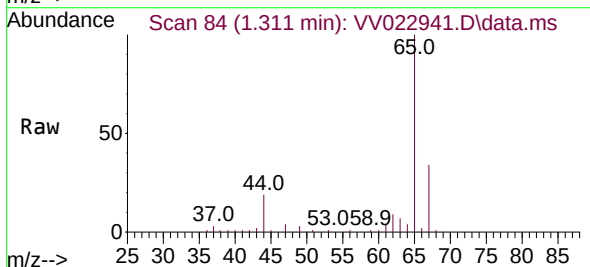
Instrument :
MSVOA_V
ClientSampleId :
BFGC8

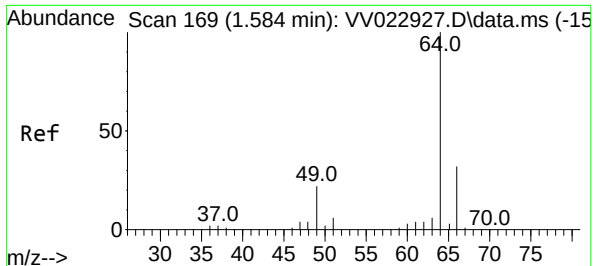
Tgt Ion: 50 Resp: 938
Ion Ratio Lower Upper
50 100
52 36.0 22.9 42.5



#5
Vinyl chloride
Concen: 0.236 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

Tgt Ion: 62 Resp: 2210
Ion Ratio Lower Upper
62 100
64 48.3 23.0 42.8#





#8

Chloroethane

Concen: 0.209 ug/L

RT: 1.587 min Scan# 170

Delta R.T. 0.003 min

Lab File: VV022941.D

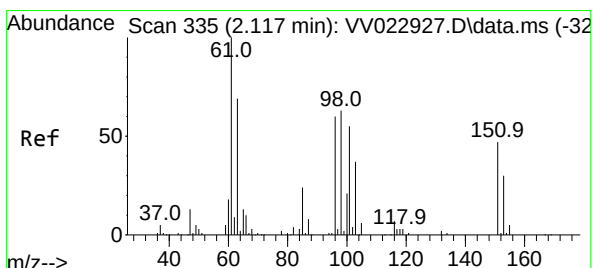
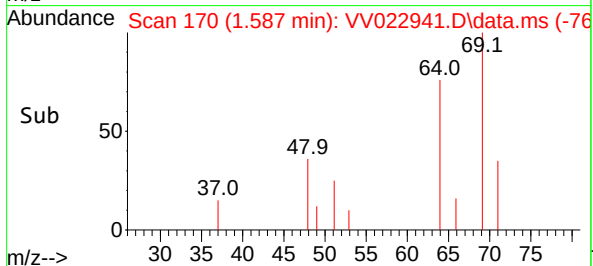
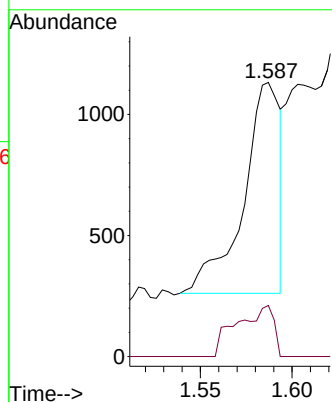
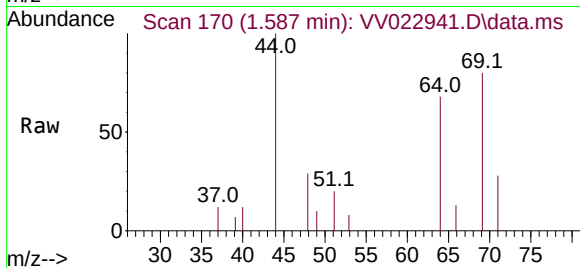
Acq: 20 Oct 2021 18:53

Tgt Ion: 64 Resp: 1211

Ion Ratio Lower Upper

64 100

66 18.6 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.082 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.006 min

Lab File: VV022941.D

Acq: 20 Oct 2021 18:53

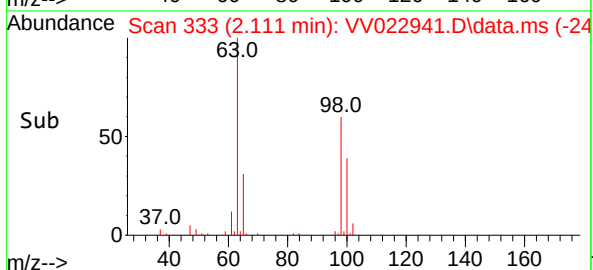
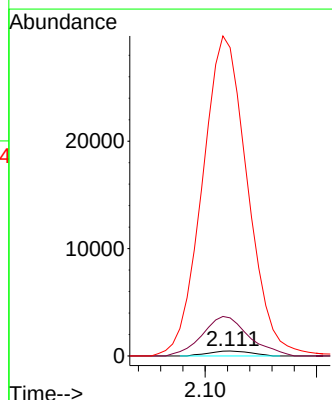
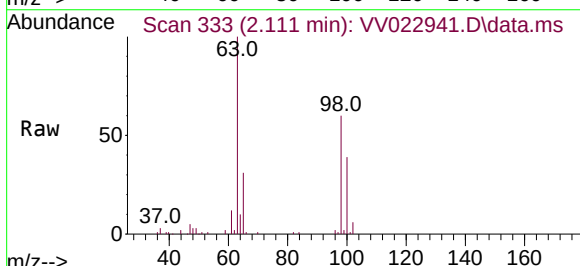
Tgt Ion: 96 Resp: 609

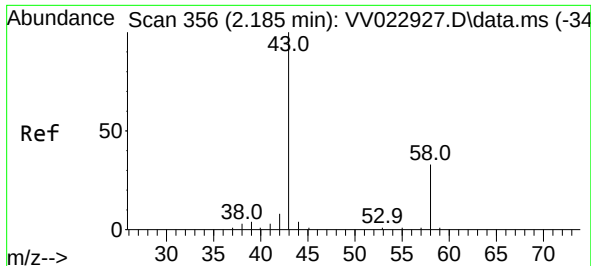
Ion Ratio Lower Upper

96 100

61 778.3 127.3 236.5#

63 6296.5 106.2 197.2#

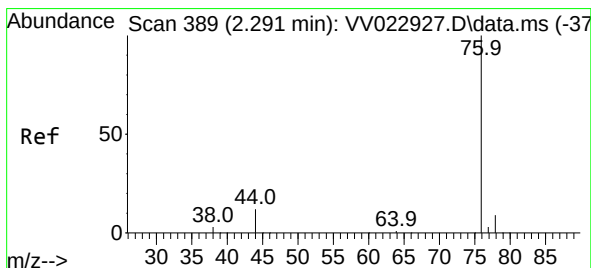
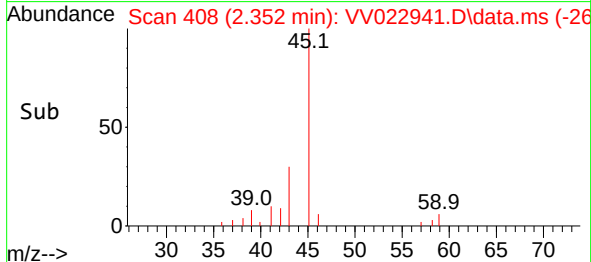
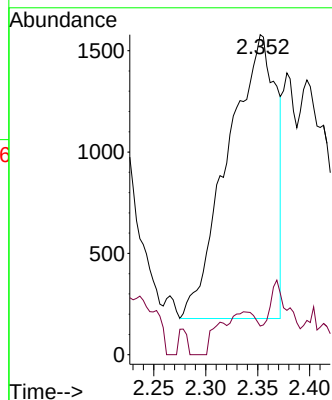
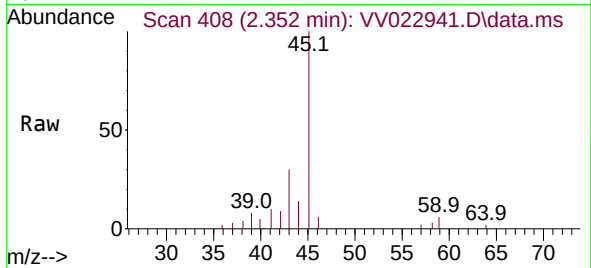




#13
Acetone
Concen: 3.642 ug/L
RT: 2.352 min Scan# 408
Delta R.T. 0.167 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

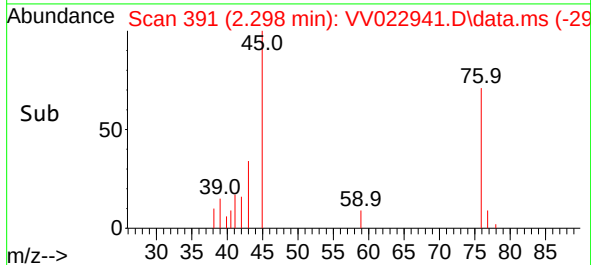
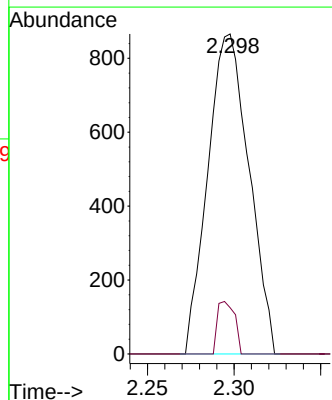
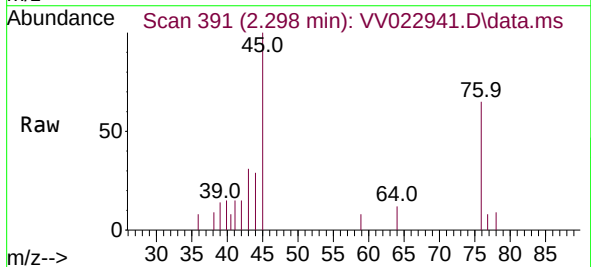
Instrument :
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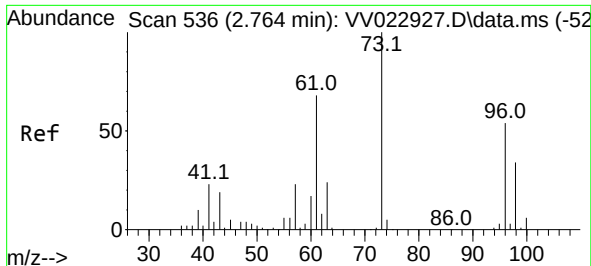
Tgt Ion: 43 Resp: 4524
Ion Ratio Lower Upper
43 100
58 6.2 0.0 24.2



#14
Carbon disulfide
Concen: 0.068 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.007 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

Tgt Ion: 76 Resp: 1430
Ion Ratio Lower Upper
76 100
78 14.4 7.4 11.0#

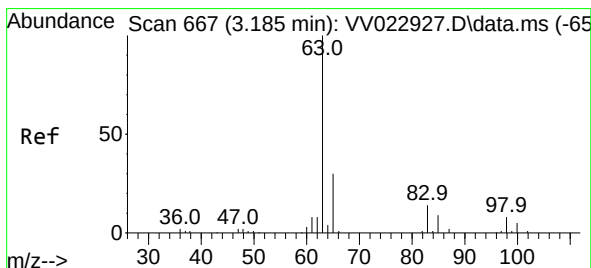
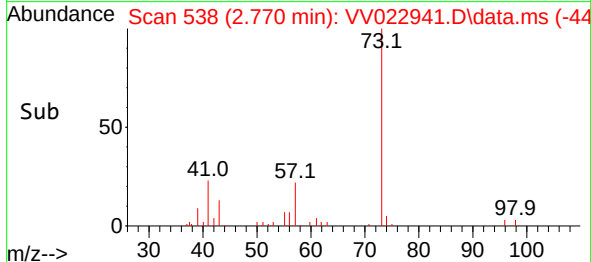
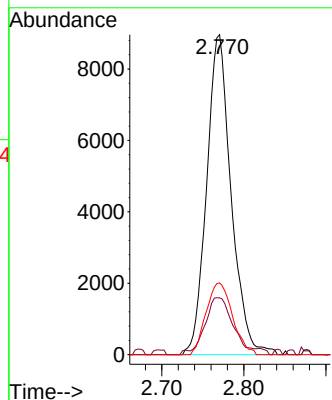
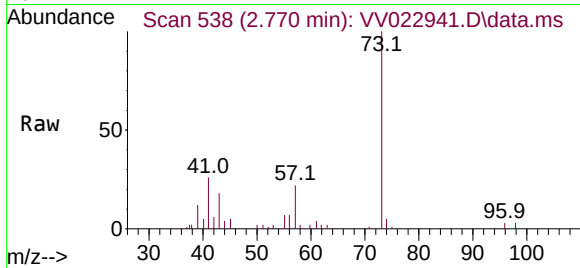




#17
Methyl tert-butyl Ether
Concen: 1.031 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.007 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

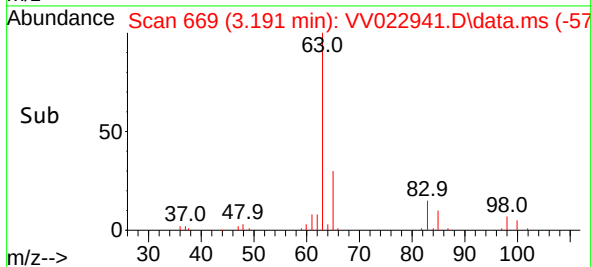
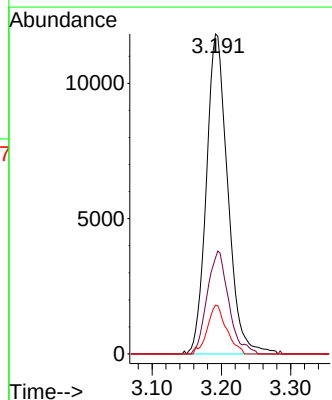
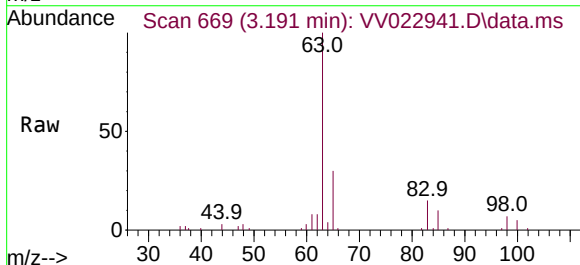
Instrument :
MSVOA_V
ClientSampleId :
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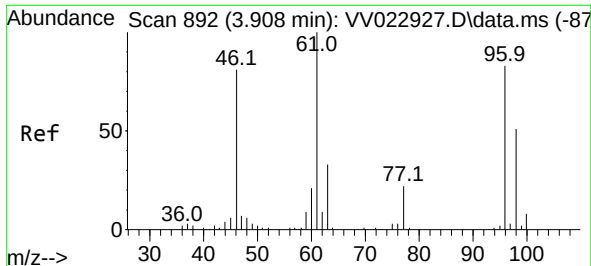
Tgt Ion: 73	Resp: 18613
Ion Ratio	Lower Upper
73 100	
43 20.7	17.1 25.7
57 24.1	17.2 25.8



#19
1,1-Dichloroethane
Concen: 1.734 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.007 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

Tgt Ion: 63	Resp: 25332
Ion Ratio	Lower Upper
63 100	
65 30.1	23.5 43.7
83 15.3	10.1 18.7

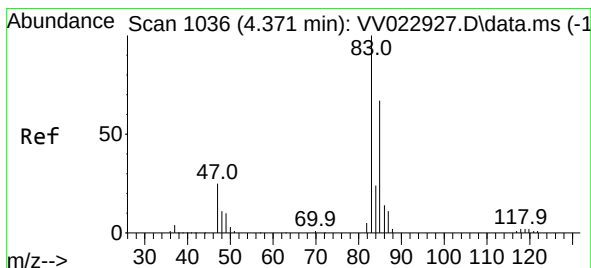
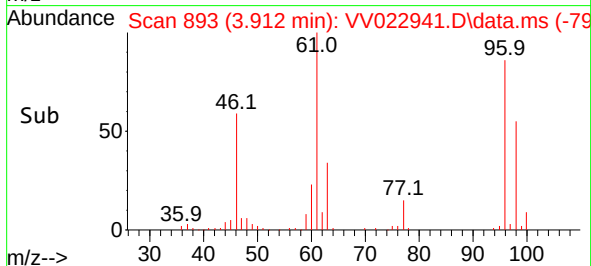
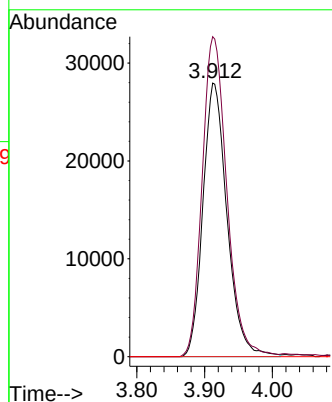
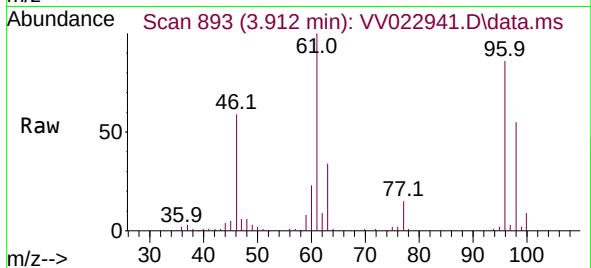




#22
cis-1,2-Dichloroethene
Concen: 8.114 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

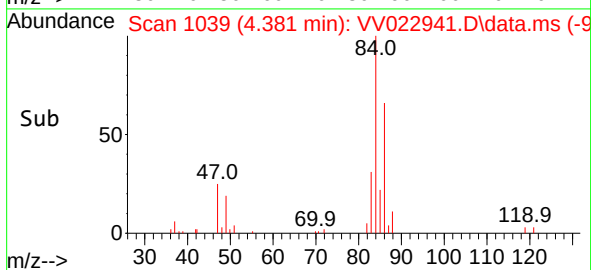
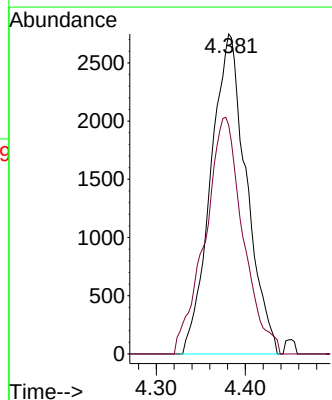
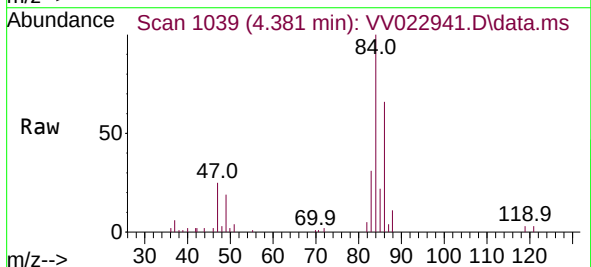
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BFGC8

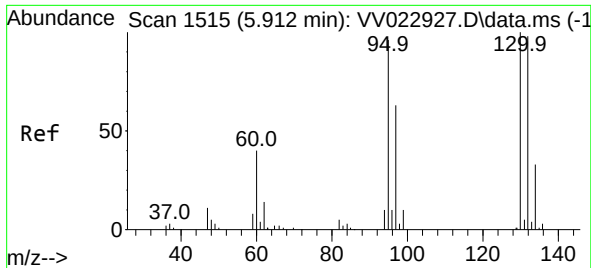
Tgt Ion: 96 Resp: 69111
Ion Ratio Lower Upper
96 100
61 116.9 86.0 159.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.451 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.010 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

Tgt Ion: 83 Resp: 7640
Ion Ratio Lower Upper
83 100
85 71.5 45.7 84.9





#34

Trichloroethene

Concen: 0.489 ug/L

RT: 5.928 min Scan# 1520

Delta R.T. 0.016 min

Lab File: VV022941.D

Acq: 20 Oct 2021 18:53

Tgt Ion: 95 Resp: 4468

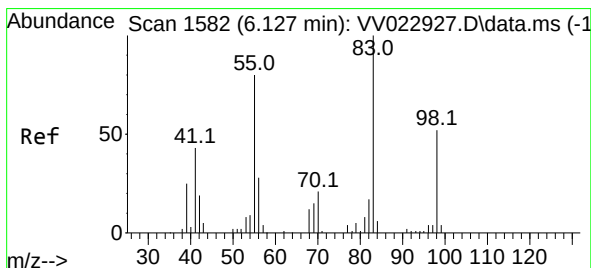
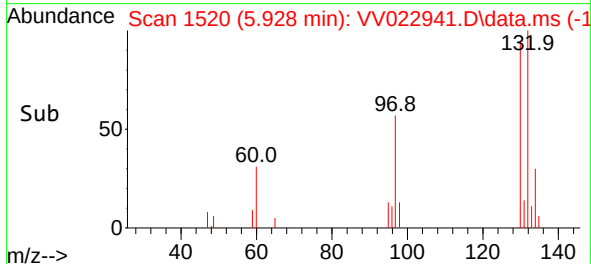
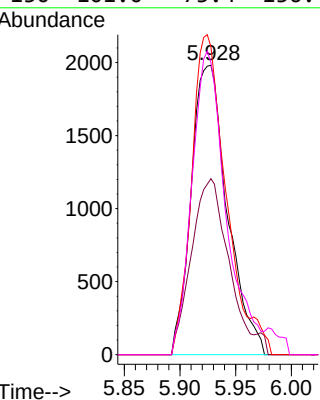
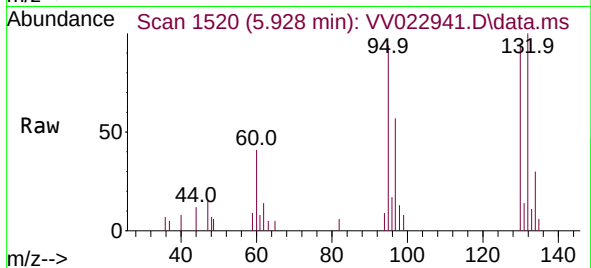
Ion Ratio Lower Upper

95 100

97 60.8 45.8 85.2

132 106.4 72.2 134.0

130 101.0 73.4 136.4



#35

Methylcyclohexane

Concen: 1.070 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV022941.D

Acq: 20 Oct 2021 18:53

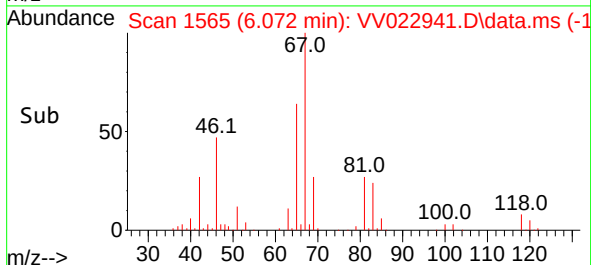
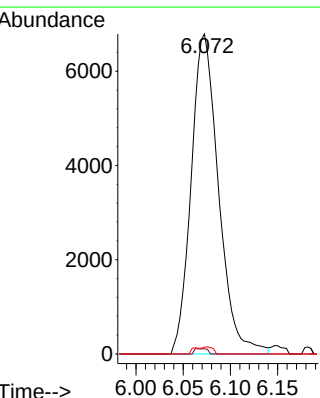
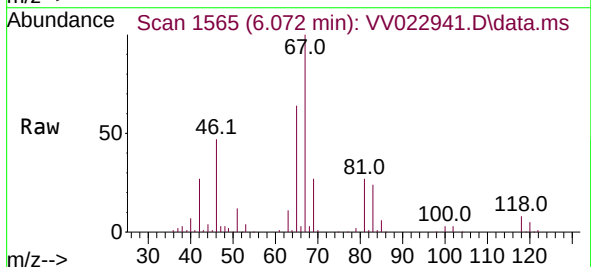
Tgt Ion: 83 Resp: 13685

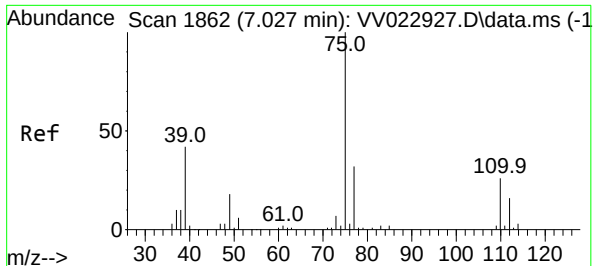
Ion Ratio Lower Upper

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55 0.0 63.8 95.6#

98 0.9 42.1 63.1#



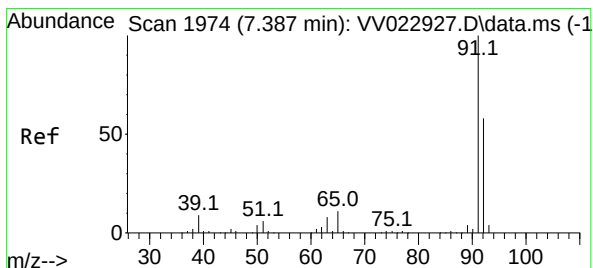
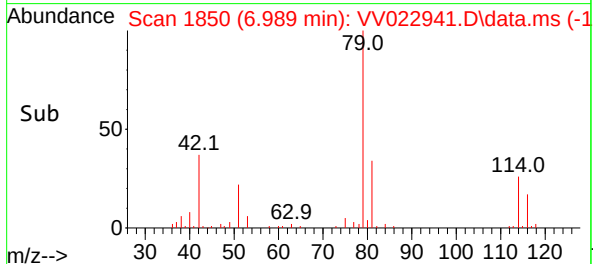
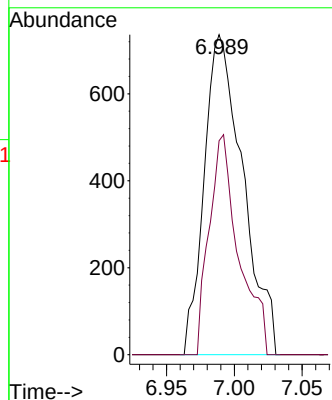
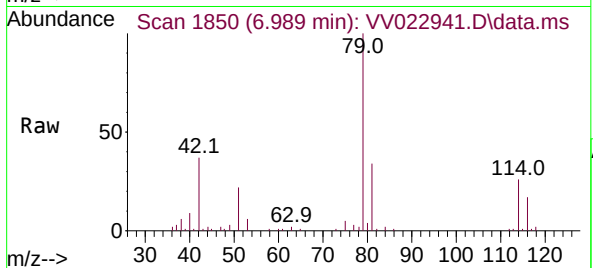


#39

cis-1,3-Dichloropropene
 Concen: 0.137 ug/L
 RT: 6.989 min Scan# 1850
 Delta R.T. -0.038 min
 Lab File: VV022941.D
 Acq: 20 Oct 2021 18:53

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC8

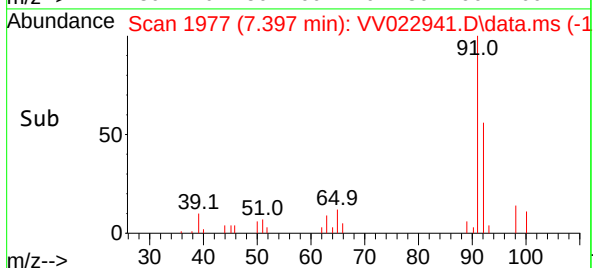
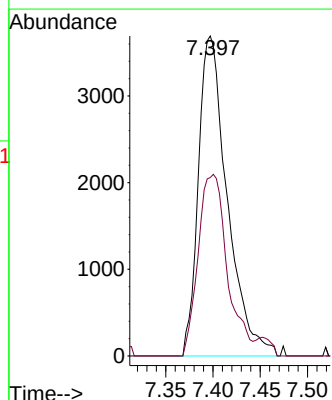
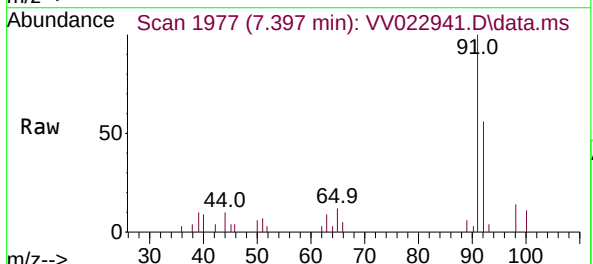
Tgt Ion: 75 Resp: 1460
 Ion Ratio Lower Upper
 75 100
 77 66.8 22.3 41.3#

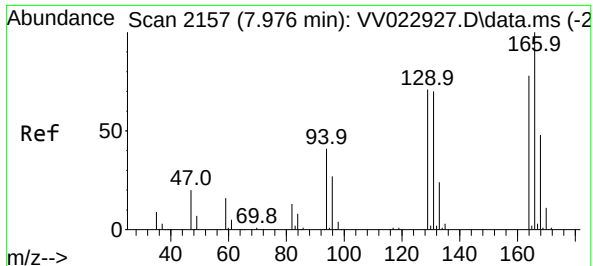


#42

Toluene
 Concen: 0.230 ug/L
 RT: 7.397 min Scan# 1977
 Delta R.T. 0.010 min
 Lab File: VV022941.D
 Acq: 20 Oct 2021 18:53

Tgt Ion: 91 Resp: 7832
 Ion Ratio Lower Upper
 91 100
 92 55.7 40.7 75.7

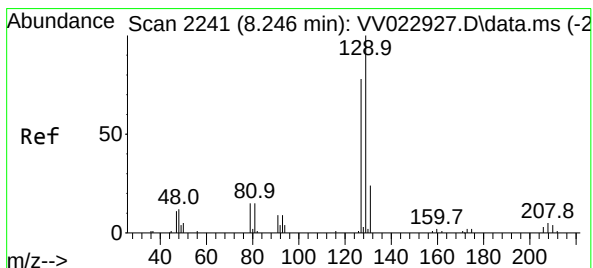
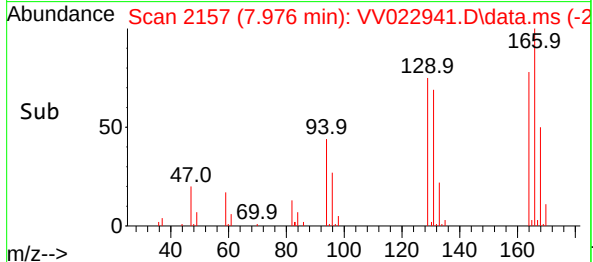
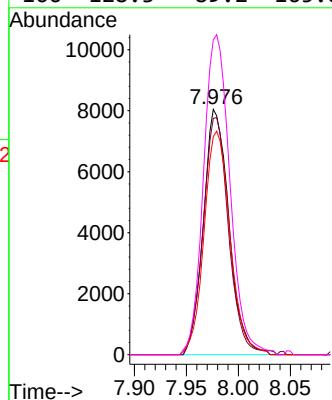
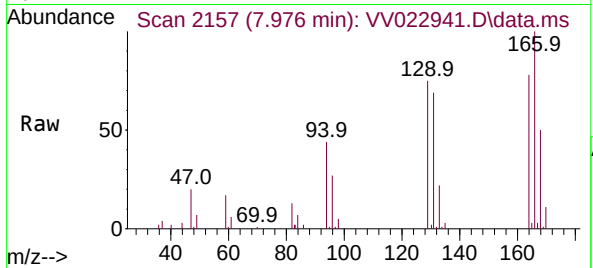




#47
Tetrachloroethene
Concen: 1.869 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

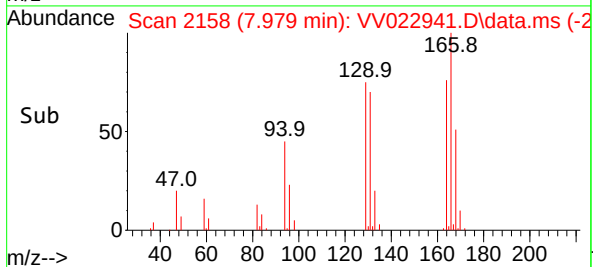
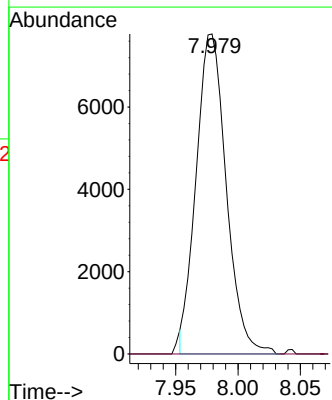
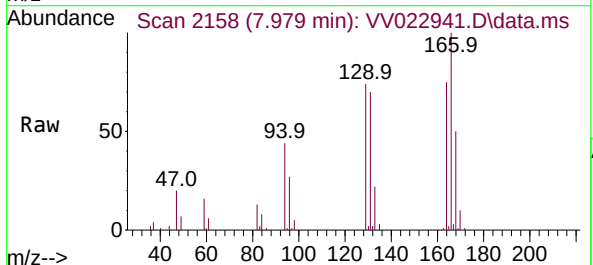
Instrument :
MSVOA_V
ClientSampleId :
BFGC8

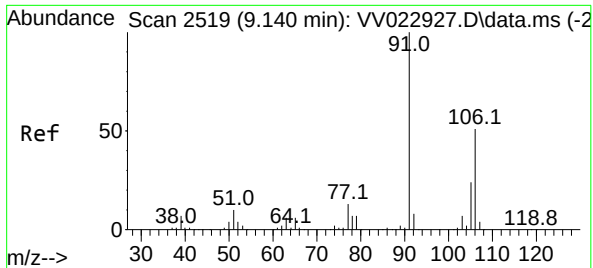
Tgt Ion:164 Resp: 13804
Ion Ratio Lower Upper
164 100
129 96.3 65.0 120.6
131 88.9 62.2 115.4
166 128.3 89.2 165.8



#49
Dibromochloromethane
Concen: 1.860 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

Tgt Ion:129 Resp: 13046
Ion Ratio Lower Upper
129 100
127 0.0 59.1 109.9#

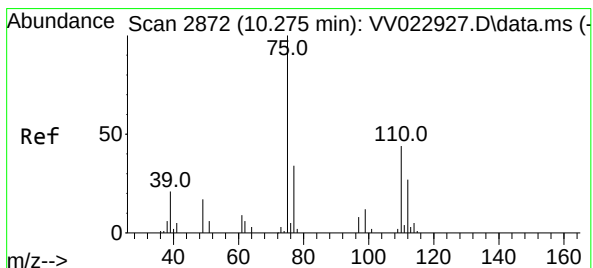
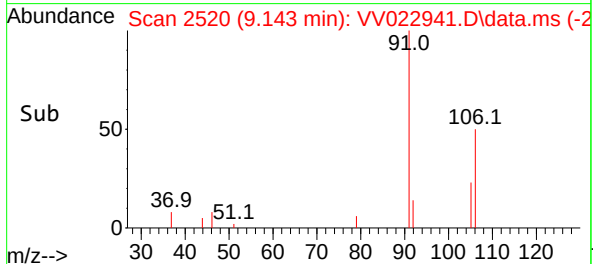
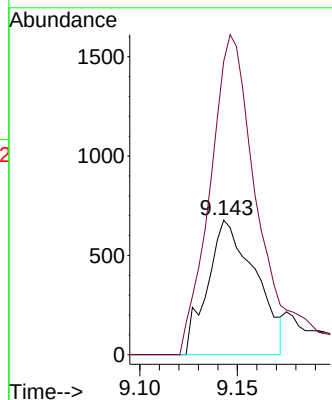
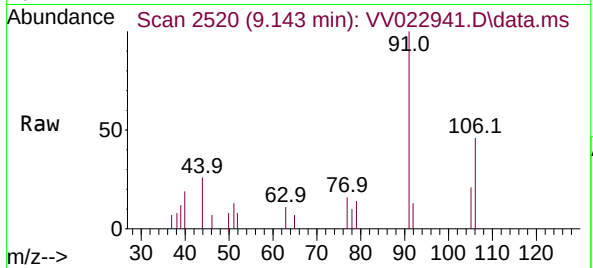




#53
m,p-xylene
Concen: 0.085 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

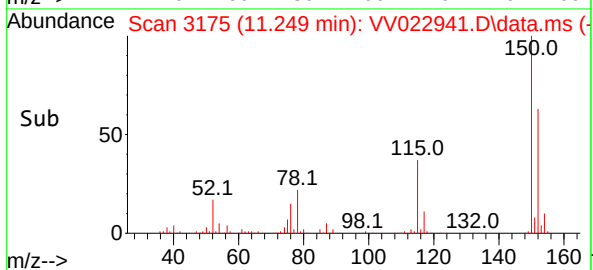
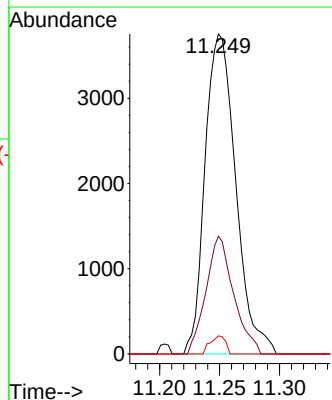
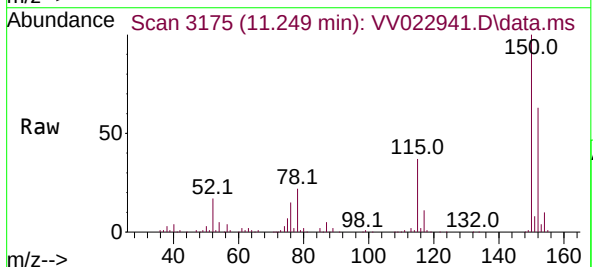
Instrument :
MSVOA_V
ClientSampled :
BFGC8

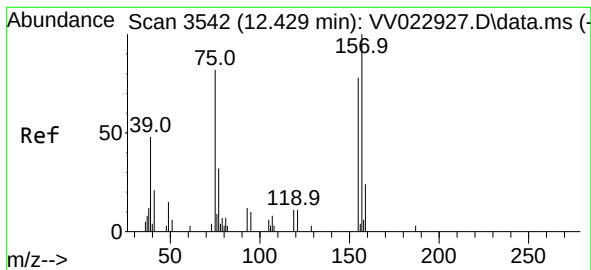
Tgt Ion:106 Resp: 1156
Ion Ratio Lower Upper
106 100
91 217.8 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 1.695 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022941.D
Acq: 20 Oct 2021 18:53

Tgt Ion: 75 Resp: 6685
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2
110 2.8 34.2 51.4#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.170 ug/L
 RT: 12.259 min Scan# 3489
 Delta R.T. -0.170 min
 Lab File: VV022941.D
 Acq: 20 Oct 2021 18:53

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC8

Tgt Ion: 75 Resp: 122
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

