

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102021\
 Data File : VW022940.D
 Acq On : 20 Oct 2021 18:29
 Operator : SY/MD
 Sample : M4137-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA6

Quant Time: Oct 21 02:48:28 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	118892	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	121922	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56736	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	31573	3.860	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.568	69	29560	4.021	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.400%
11) 1,1-Dichloroethene-d2	2.108	63	47292	2.947	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.000%#
20) 2-Butanone-d5	3.889	46	105427	49.154	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.300%
24) Chloroform-d	4.352	84	85143	5.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	5.034	65	43470	5.313	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	5.053	84	175452	4.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.072	67	58896	5.479	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.600%
41) Toluene-d8	7.320	98	144009	4.590	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	7.629	79	17380	4.874	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.400%
46) 2-Hexanone-d5	8.092	63	78921	54.923	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.840%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40104	5.508	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	59705	5.676	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	11989	1.332	ug/L	92
8) Chloroethane	1.310	64	4503	0.809	ug/L #	67
12) 1,1-Dichloroethene	2.111	96	1021	0.142	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	27063	1.557	ug/L	98
19) 1,1-Dichloroethane	3.191	63	57510	4.088	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	47763	5.824	ug/L	95
25) Chloroform	4.378	83	44107	2.705	ug/L	93
27) 1,2-Dichloroethane	5.143	62	2599	0.319	ug/L	96
34) Trichloroethene	5.921	95	13281	1.487	ug/L	98
35) Methylcyclohexane	6.072	83	13777	1.101	ug/L #	17
37) 1,2-Dichloropropane	6.185	63	842	0.107	ug/L	97
39) cis-1,3-Dichloropropene	6.995	75	1261	0.121	ug/L #	78
42) Toluene	7.391	91	103042	3.091	ug/L	99
47) Tetrachloroethene	7.979	164	38929	5.391	ug/L	96
48) 2-Hexanone	8.159	43	3636	1.172	ug/L #	64
49) Dibromochloromethane	7.979	129	34902	5.088	ug/L #	7
53) m,p-xylene	9.146	106	1708	0.129	ug/L	97
61) 1,2,3-Trichloropropane	11.249	75	6482	1.644	ug/L #	63
63) 1,2,4-Trimethylbenzene	10.918	105	1289	0.055	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102021\
Data File : VV022940.D
Acq On : 20 Oct 2021 18:29
Operator : SY/MD
Sample : M4137-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFGA6

Quant Time: Oct 21 02:48:28 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

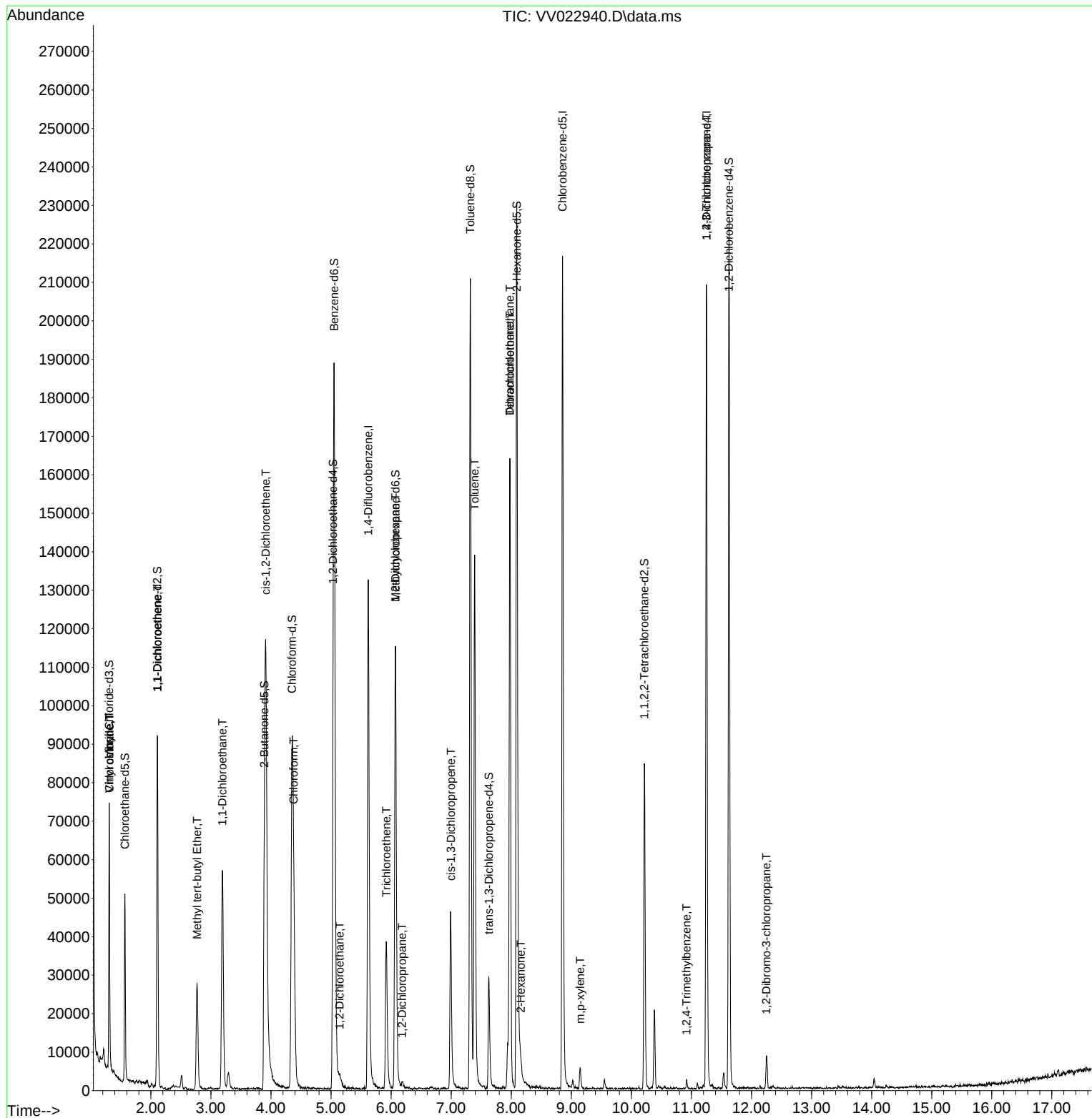
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.246	75	372	0.518	ug/L #	1

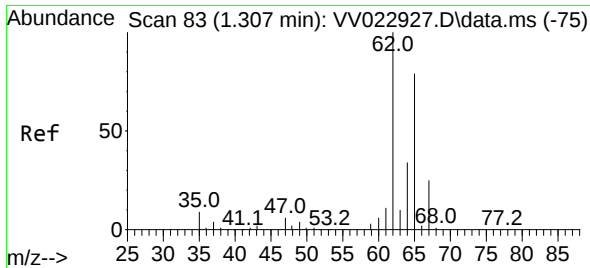
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102021\
Data File : VV022940.D
Acq On : 20 Oct 2021 18:29
Operator : SY/MD
Sample : M4137-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFGA6

Quant Time: Oct 21 02:48:28 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

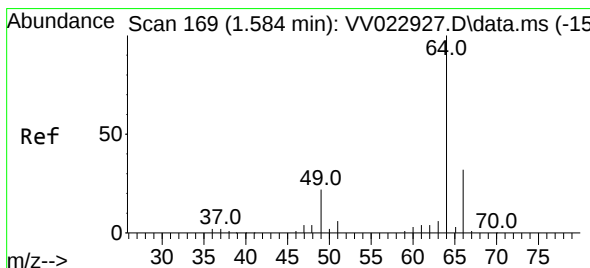
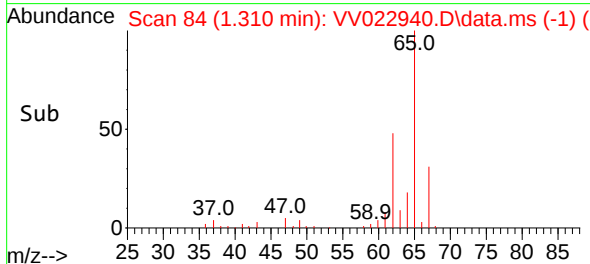
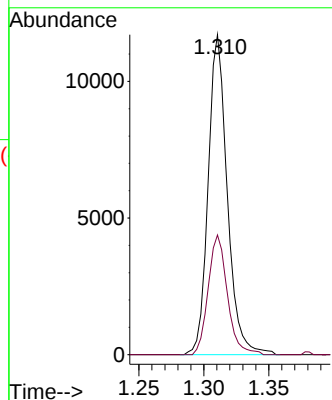
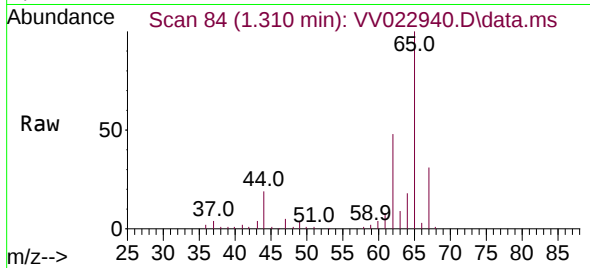




#5
 Vinyl chloride
 Concen: 1.332 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022940.D
 Acq: 20 Oct 2021 18:29

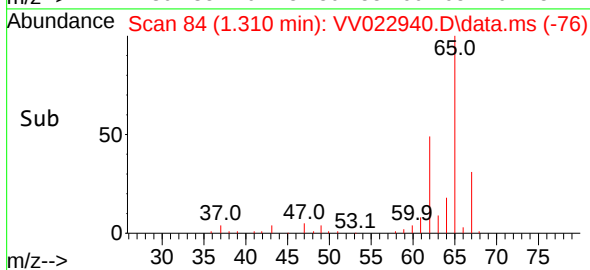
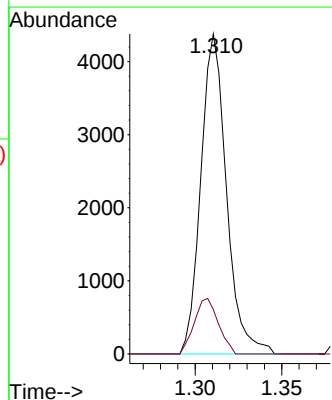
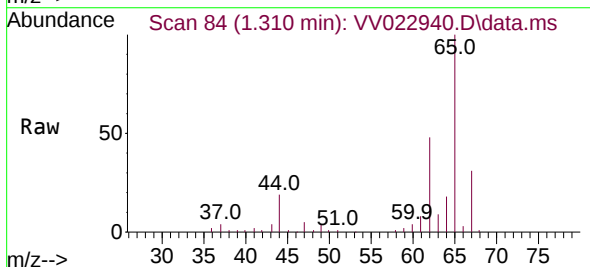
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA6

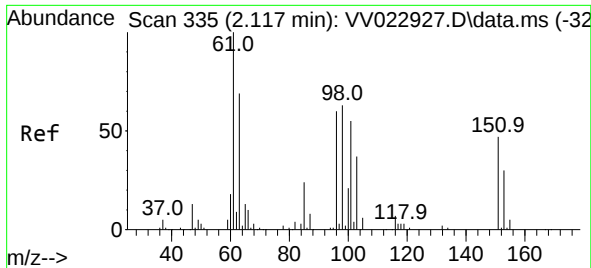
Tgt Ion: 62 Resp: 11989
 Ion Ratio Lower Upper
 62 100
 64 37.4 23.0 42.8



#8
 Chloroethane
 Concen: 0.809 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.273 min
 Lab File: VV022940.D
 Acq: 20 Oct 2021 18:29

Tgt Ion: 64 Resp: 4503
 Ion Ratio Lower Upper
 64 100
 66 13.9 22.9 42.5#

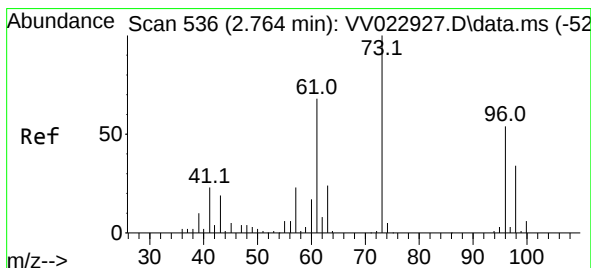
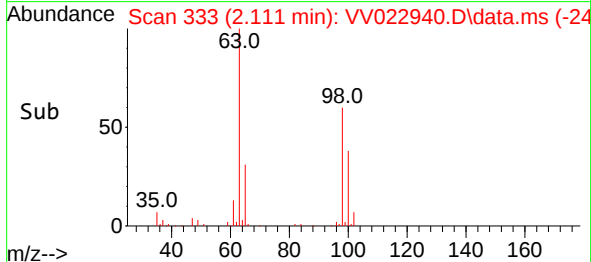
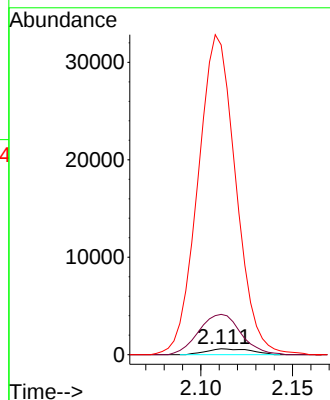
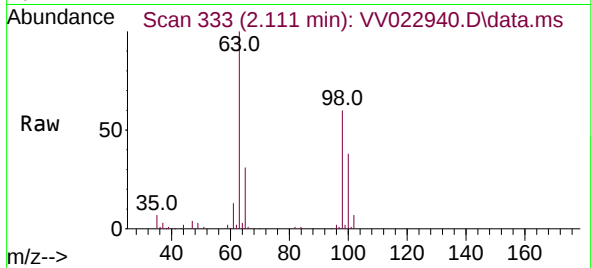




#12
1,1-Dichloroethene
Concen: 0.142 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV022940.D
Acq: 20 Oct 2021 18:29

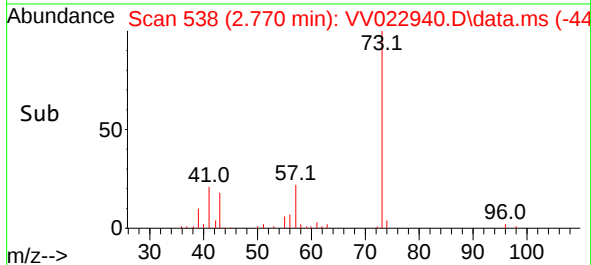
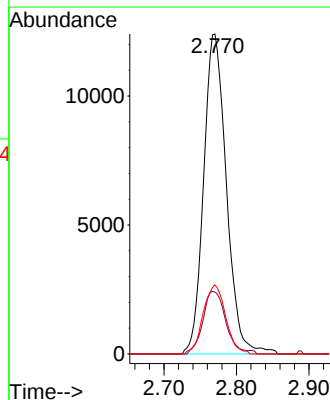
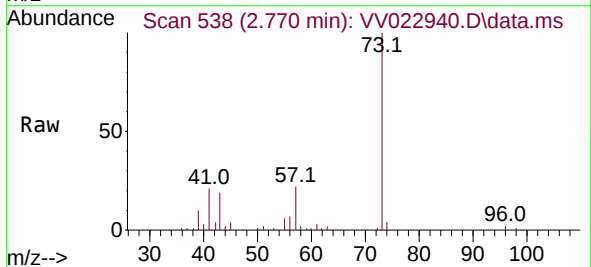
Instrument :
MSVOA_V
ClientSampleId :
BFGA6

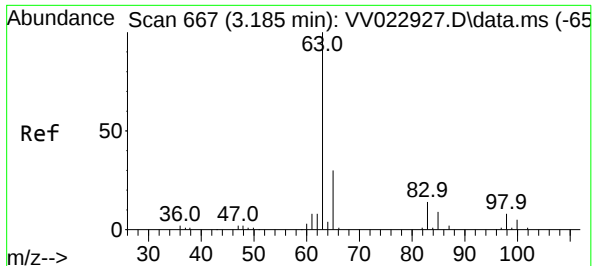
Tgt Ion: 96 Resp: 1021
Ion Ratio Lower Upper
96 100
61 678.4 127.3 236.5#
63 5203.3 106.2 197.2#



#17
Methyl tert-butyl Ether
Concen: 1.557 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.006 min
Lab File: VV022940.D
Acq: 20 Oct 2021 18:29

Tgt Ion: 73 Resp: 27063
Ion Ratio Lower Upper
73 100
43 19.4 17.1 25.7
57 21.3 17.2 25.8





#19

1,1-Dichloroethane

Concen: 4.088 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.006 min

Lab File: VV022940.D

Acq: 20 Oct 2021 18:29

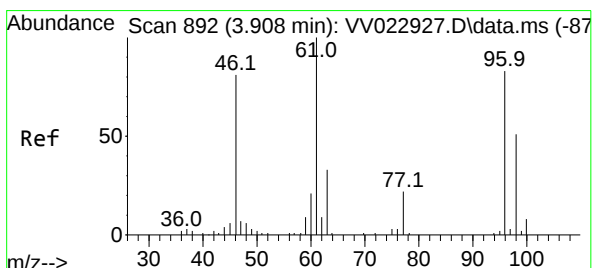
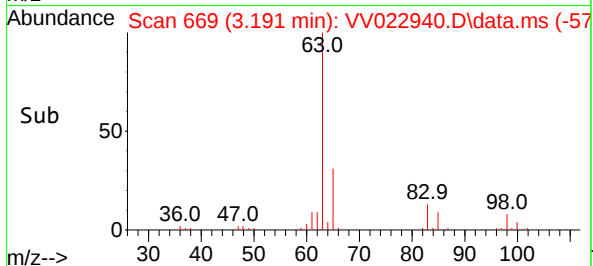
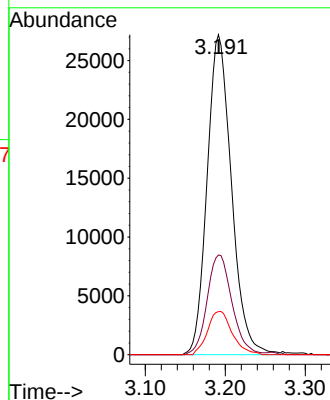
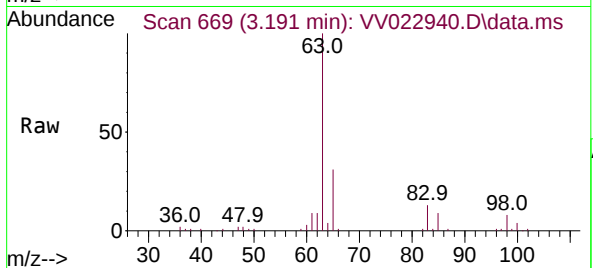
Tgt Ion: 63 Resp: 57510

Ion Ratio Lower Upper

63 100

65 31.2 23.5 43.7

83 13.5 10.1 18.7



#22

cis-1,2-Dichloroethene

Concen: 5.824 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV022940.D

Acq: 20 Oct 2021 18:29

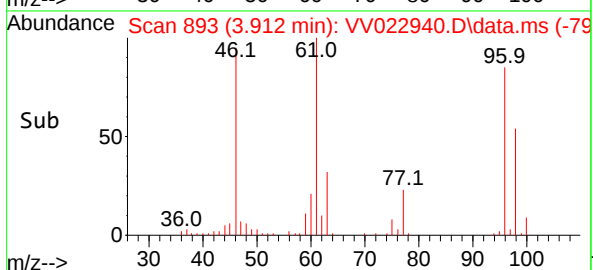
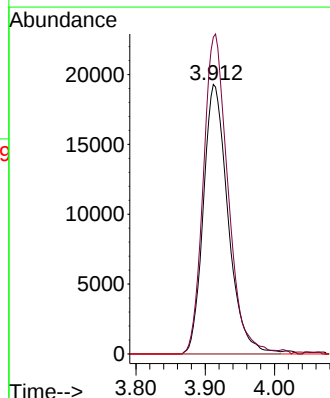
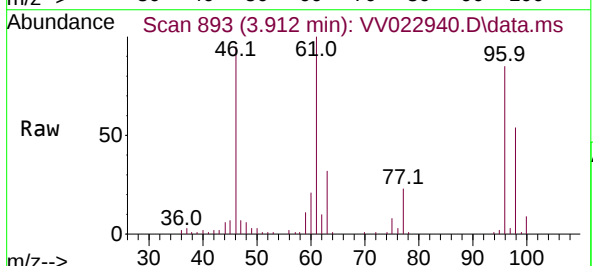
Tgt Ion: 96 Resp: 47763

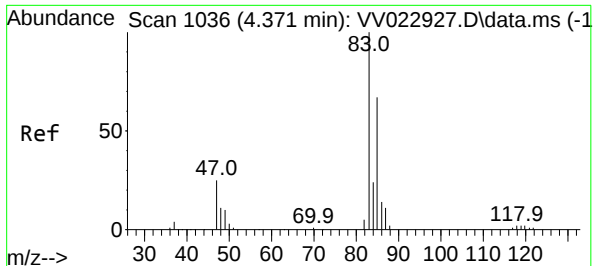
Ion Ratio Lower Upper

96 100

61 117.5 86.0 159.6

68 0.0 0.0 0.0





#25

Chloroform

Concen: 2.705 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VV022940.D

Acq: 20 Oct 2021 18:29

Tgt Ion: 83 Resp: 44107

Ion Ratio Lower Upper

83 100

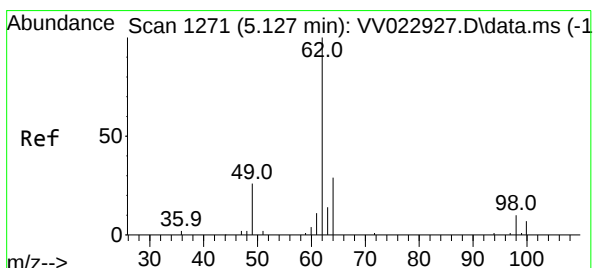
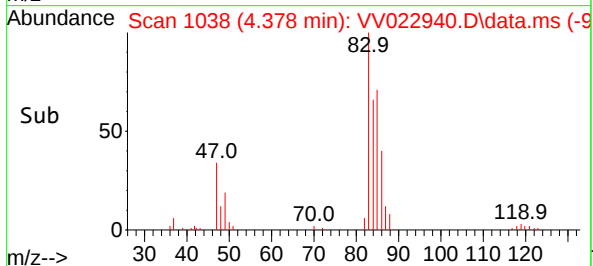
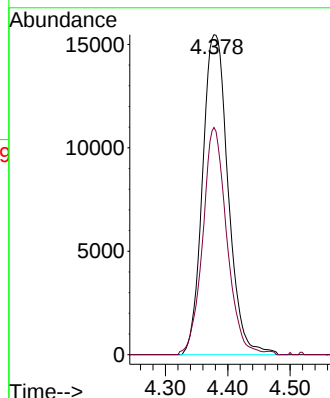
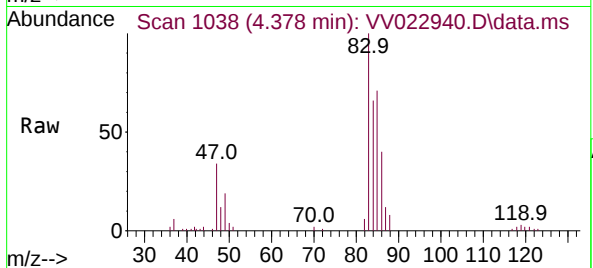
85 71.0 45.7 84.9

Instrument :

MSVOA_V

ClientSampleId :

BFGA6



#27

1,2-Dichloroethane

Concen: 0.319 ug/L

RT: 5.143 min Scan# 1276

Delta R.T. 0.016 min

Lab File: VV022940.D

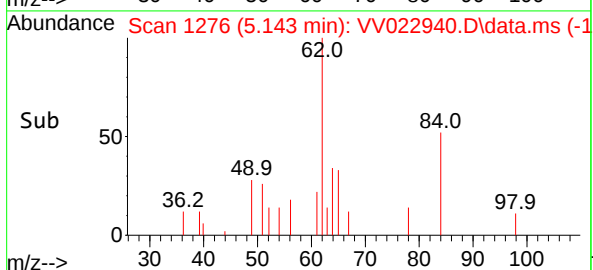
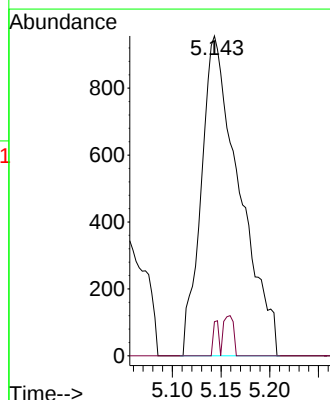
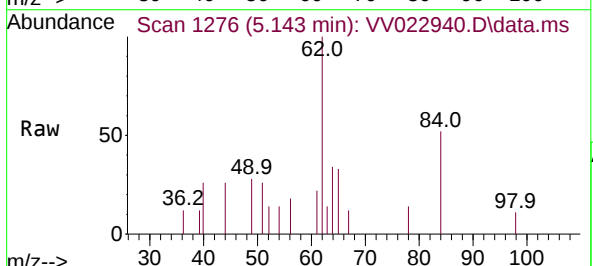
Acq: 20 Oct 2021 18:29

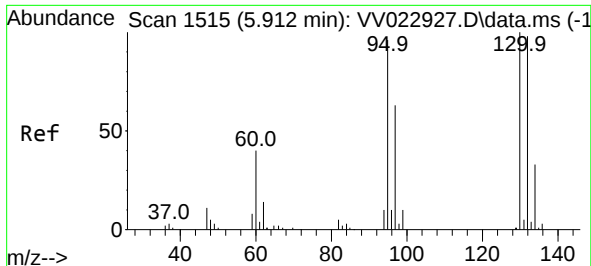
Tgt Ion: 62 Resp: 2599

Ion Ratio Lower Upper

62 100

98 10.7 9.7 14.5



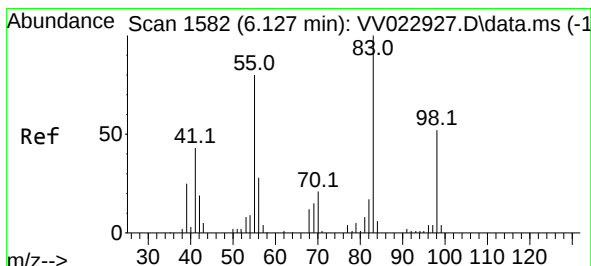
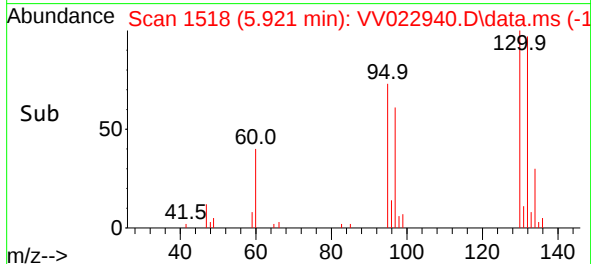
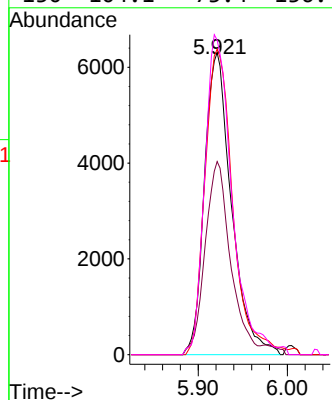
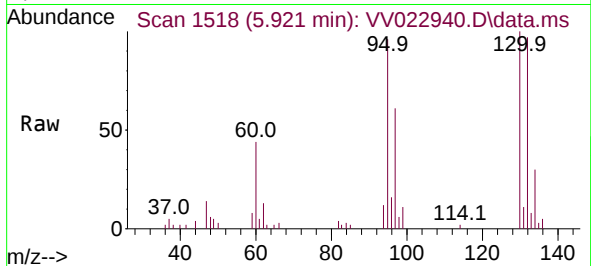


#34
Trichloroethene
Concen: 1.487 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.010 min
Lab File: VV022940.D
Acq: 20 Oct 2021 18:29

Instrument :
MSVOA_V
ClientSampleId :
BFGA6

Tgt Ion: 95 Resp: 13281

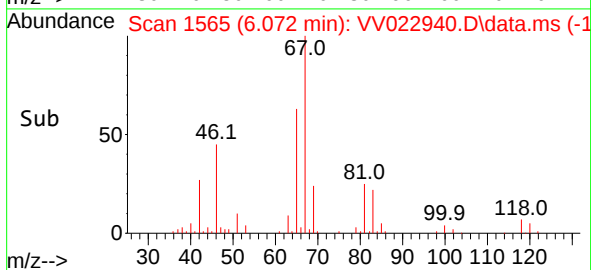
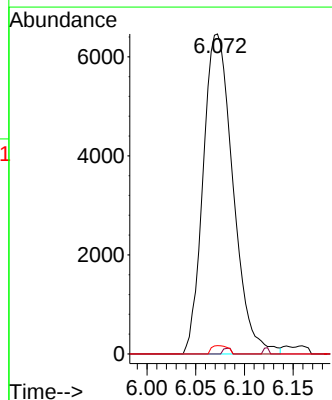
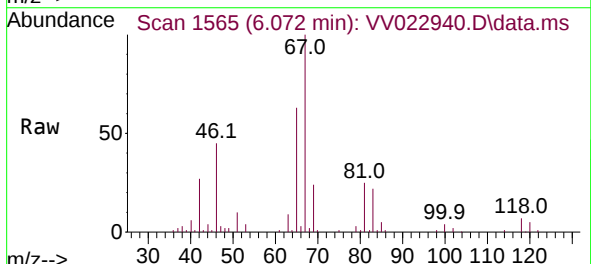
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.8	85.2
132	101.1	72.2	134.0
130	104.1	73.4	136.4

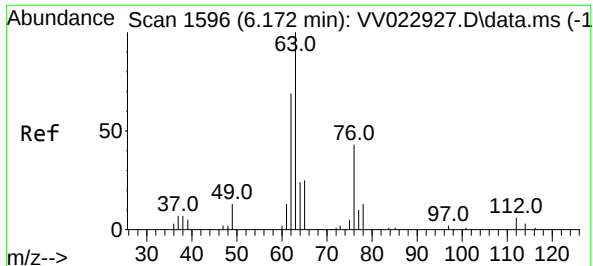


#35
Methylcyclohexane
Concen: 1.101 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV022940.D
Acq: 20 Oct 2021 18:29

Tgt Ion: 83 Resp: 13777

Ion	Ratio	Lower	Upper
83	100		
55	0.5	63.8	95.6#
98	1.4	42.1	63.1#

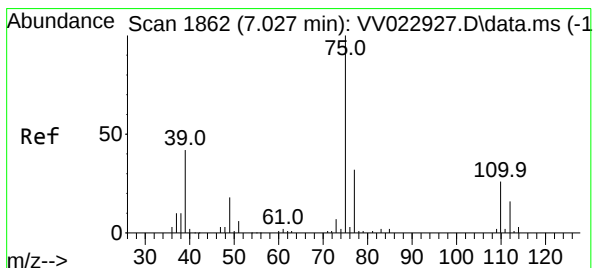
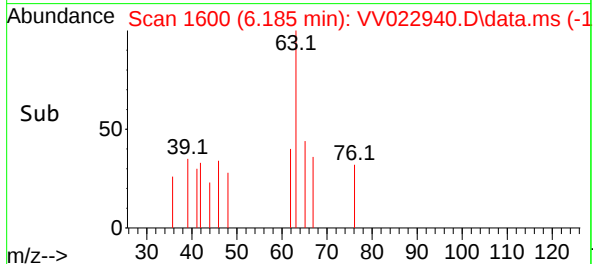
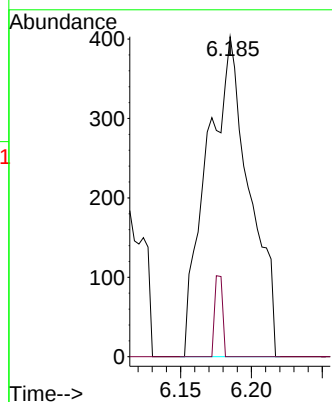
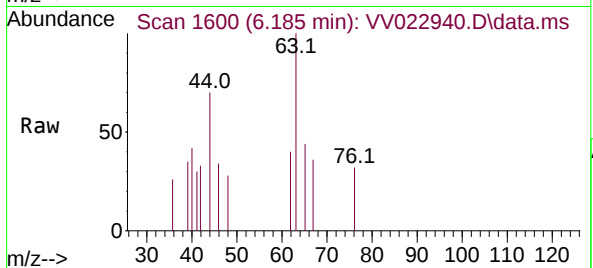




#37
1,2-Dichloropropane
Concen: 0.107 ug/L
RT: 6.185 min Scan# 1600
Delta R.T. 0.013 min
Lab File: VV022940.D
Acq: 20 Oct 2021 18:29

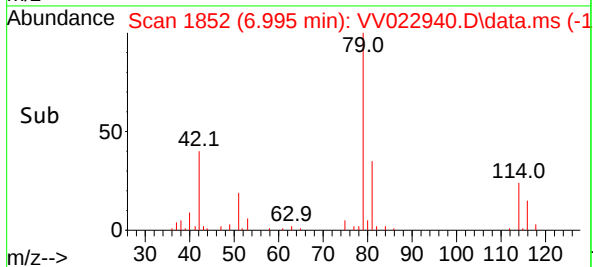
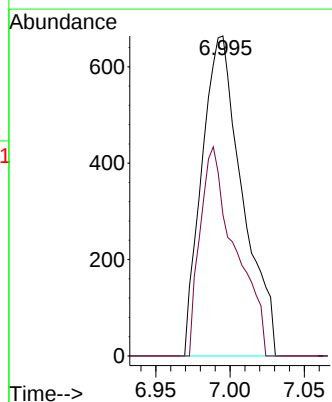
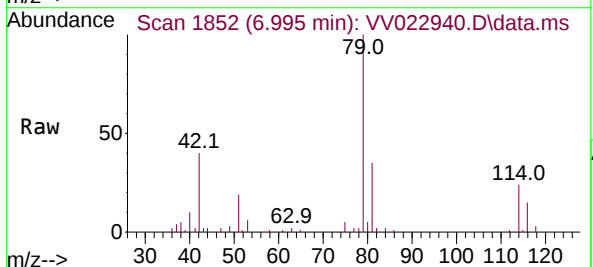
Instrument :
MSVOA_V
ClientSampled :
BFGA6

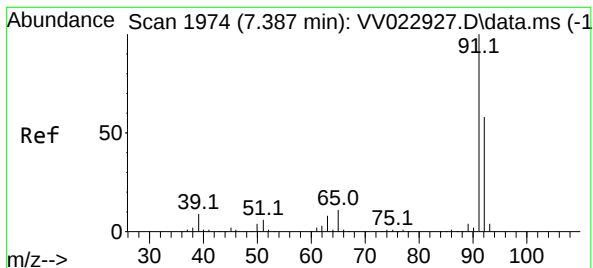
Tgt Ion: 63 Resp: 842
Ion Ratio Lower Upper
63 100
112 4.6 4.4 6.6



#39
cis-1,3-Dichloropropene
Concen: 0.121 ug/L
RT: 6.995 min Scan# 1852
Delta R.T. -0.032 min
Lab File: VV022940.D
Acq: 20 Oct 2021 18:29

Tgt Ion: 75 Resp: 1261
Ion Ratio Lower Upper
75 100
77 44.1 22.3 41.3#





#42

Toluene

Concen: 3.091 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV022940.D

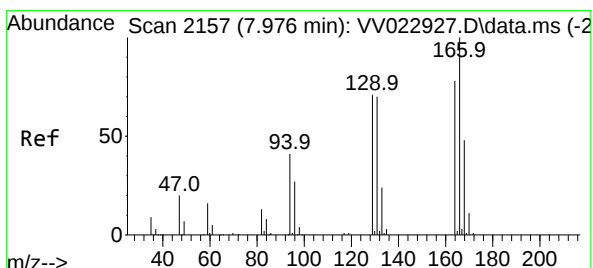
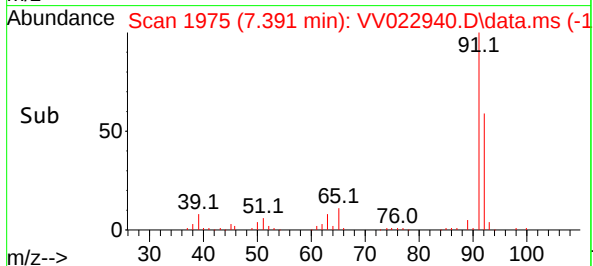
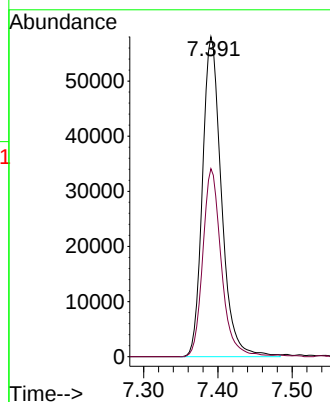
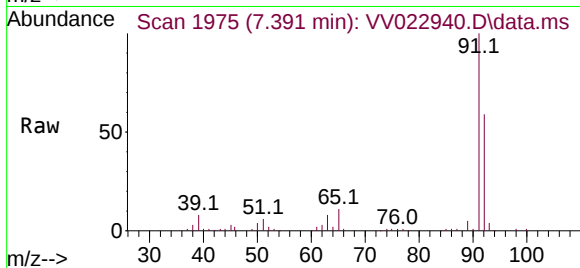
Acq: 20 Oct 2021 18:29

Tgt Ion: 91 Resp: 103042

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.7



#47

Tetrachloroethene

Concen: 5.391 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV022940.D

Acq: 20 Oct 2021 18:29

Tgt Ion: 164 Resp: 38929

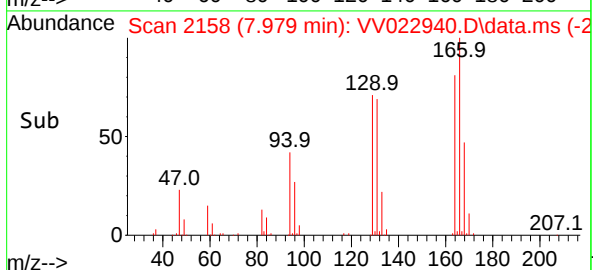
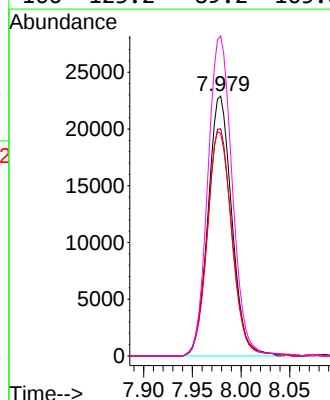
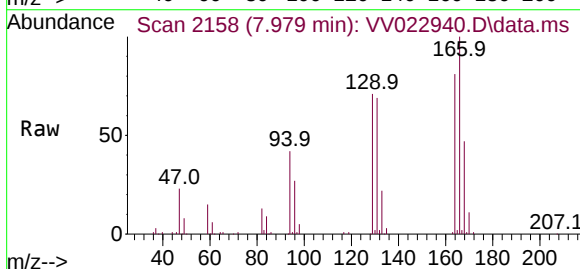
Ion Ratio Lower Upper

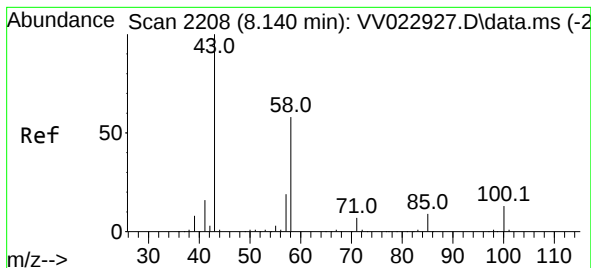
164 100

129 87.4 65.0 120.6

131 85.5 62.2 115.4

166 123.2 89.2 165.8





#48

2-Hexanone

Concen: 1.172 ug/L

RT: 8.159 min Scan# 2214

Delta R.T. 0.019 min

Lab File: VV022940.D

Acq: 20 Oct 2021 18:29

Tgt Ion: 43 Resp: 3636

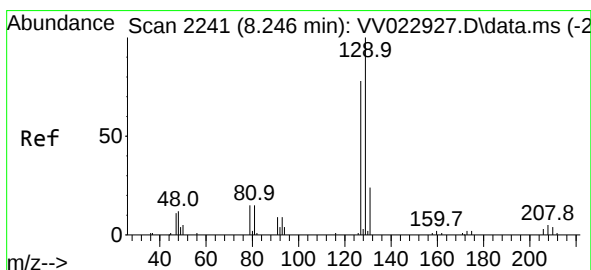
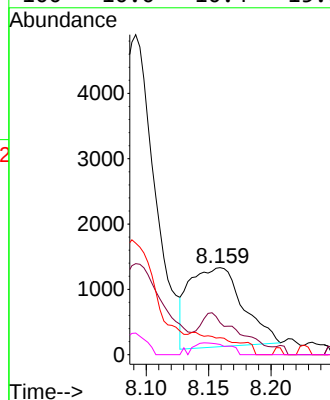
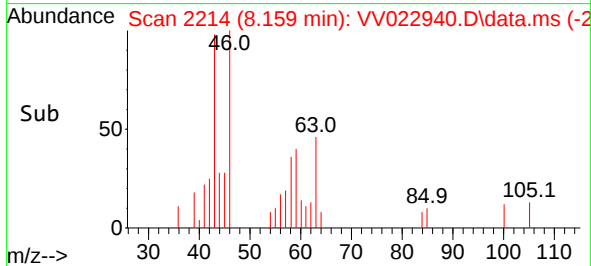
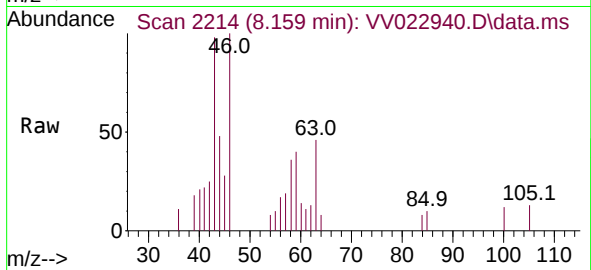
Ion Ratio Lower Upper

43 100

58 29.5 47.4 71.0#

57 0.0 15.3 22.9#

100 10.0 10.4 15.6#



#49

Dibromochloromethane

Concen: 5.088 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV022940.D

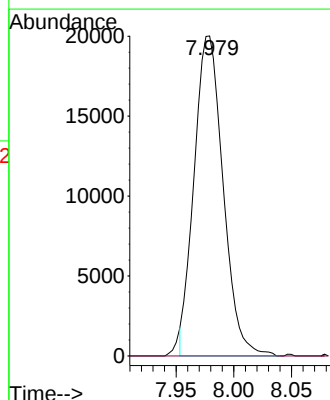
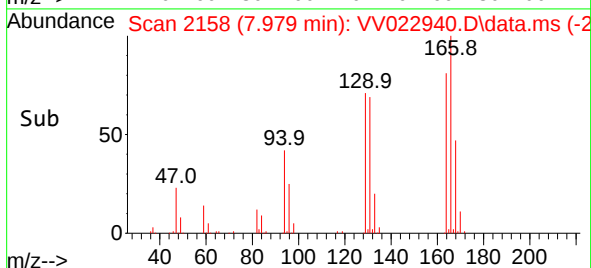
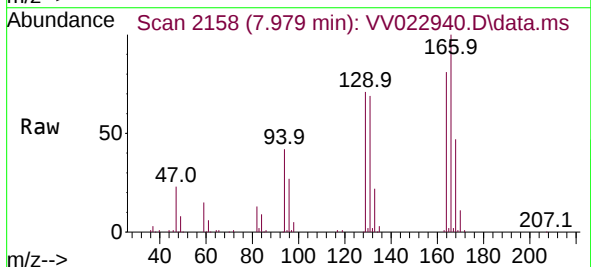
Acq: 20 Oct 2021 18:29

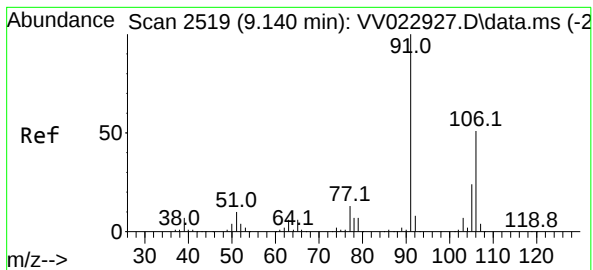
Tgt Ion: 129 Resp: 34902

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#

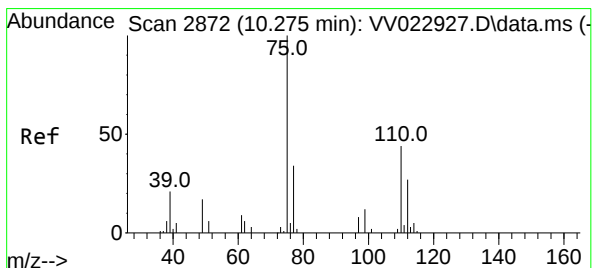
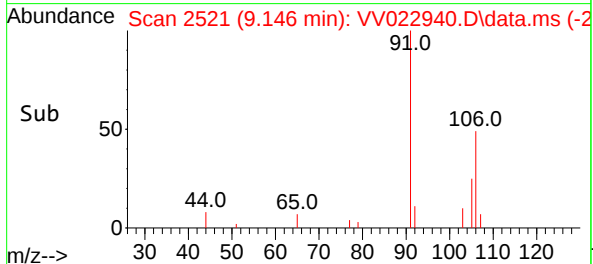
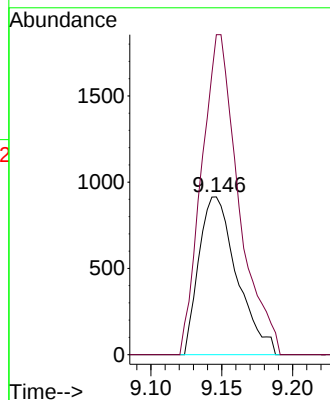
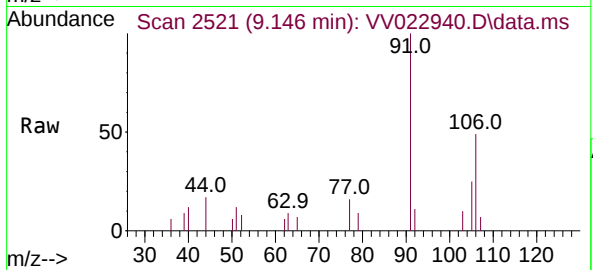




#53
 m,p-xylene
 Concen: 0.129 ug/L
 RT: 9.146 min Scan# 2521
 Delta R.T. 0.006 min
 Lab File: VV022940.D
 Acq: 20 Oct 2021 18:29

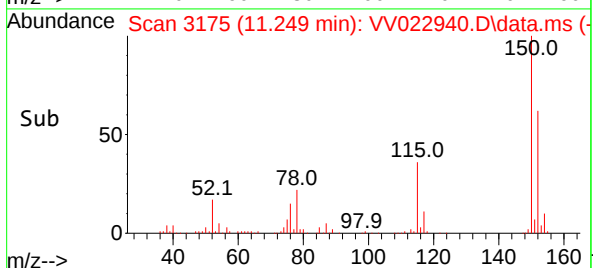
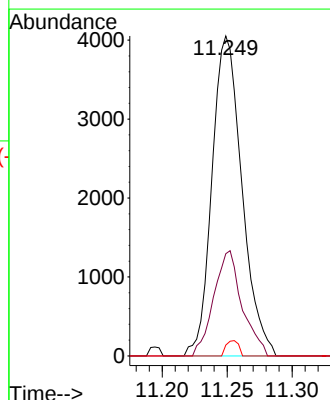
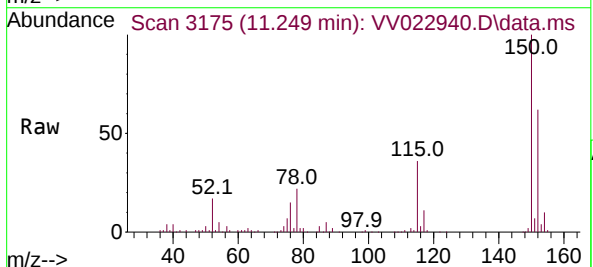
Instrument :
 MSVOA_V
 ClientSampled :
 BFGA6

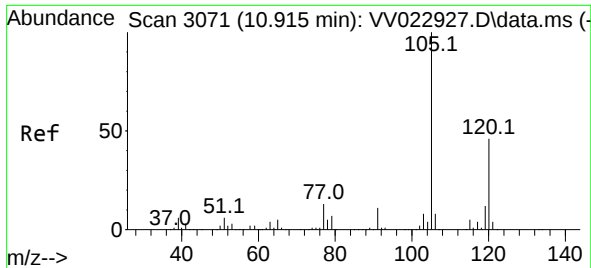
Tgt Ion:106 Resp: 1708
 Ion Ratio Lower Upper
 106 100
 91 203.0 138.7 257.5



#61
 1,2,3-Trichloropropane
 Concen: 1.644 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.974 min
 Lab File: VV022940.D
 Acq: 20 Oct 2021 18:29

Tgt Ion: 75 Resp: 6482
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2
 110 2.0 34.2 51.4#

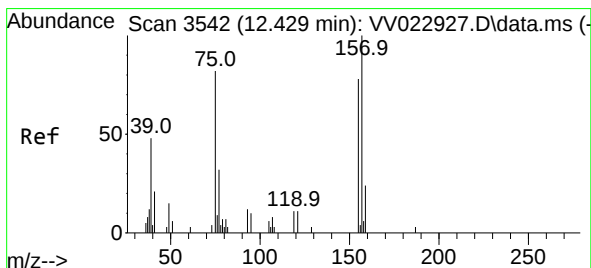
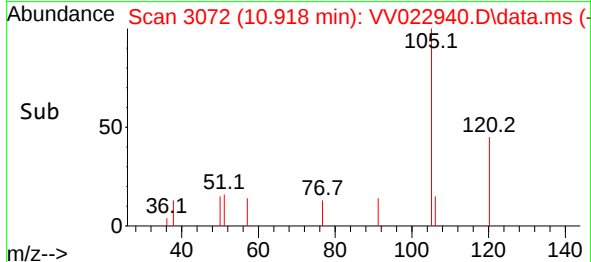
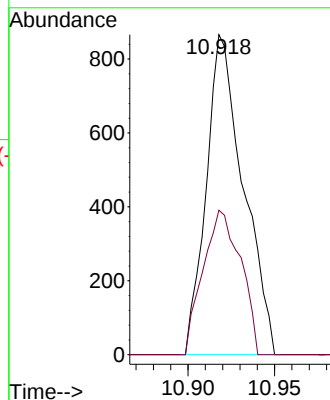
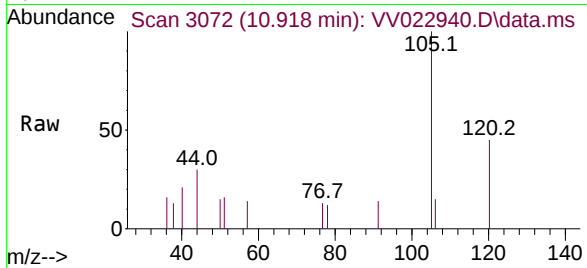




#63
1,2,4-Trimethylbenzene
Concen: 0.055 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV022940.D
Acq: 20 Oct 2021 18:29

Instrument :
MSVOA_V
ClientSampleId :
BFGA6

Tgt Ion:105 Resp: 1289
Ion Ratio Lower Upper
105 100
120 45.7 37.3 55.9



#68
1,2-Dibromo-3-chloropropane
Concen: 0.518 ug/L
RT: 12.246 min Scan# 3485
Delta R.T. -0.183 min
Lab File: VV022940.D
Acq: 20 Oct 2021 18:29

Tgt Ion: 75 Resp: 372
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#

