

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102021\
 Data File : VW022942.D
 Acq On : 20 Oct 2021 19:17
 Operator : SY/MD
 Sample : M4137-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC9

Quant Time: Oct 21 02:49:07 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	5.622	114	118871	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	120714	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	56498	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	31162	3.810	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.200%
7) Chloroethane-d5	1.568	69	28418	3.867	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.400%
11) 1,1-Dichloroethene-d2	2.108	63	41031	2.558	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.200%#
20) 2-Butanone-d5	3.892	46	104618	48.786	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.580%
24) Chloroform-d	4.352	84	91291	5.417	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.400%
26) 1,2-Dichloroethane-d4	5.037	65	42477	5.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	5.053	84	174550	4.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.072	67	56341	5.294	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.800%
41) Toluene-d8	7.320	98	144902	4.664	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
43) trans-1,3-Dichloroprop...	7.628	79	15916	4.508	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.091	63	75665	53.184	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.360%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40386	5.602	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	58578	5.592	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	671	0.075	ug/L #	1
8) Chloroethane	1.574	64	1430	0.257	ug/L #	42
12) 1,1-Dichloroethene	2.114	96	475	0.066	ug/L #	1
13) Acetone	2.178	43	19555	16.353	ug/L #	52
14) Carbon disulfide	2.294	76	1257	0.062	ug/L #	65
17) Methyl tert-butyl Ether	2.773	73	2762	0.159	ug/L #	92
22) cis-1,2-Dichloroethene	3.915	96	42407	5.172	ug/L	96
27) 1,2-Dichloroethane	5.053	62	973	0.120	ug/L #	69
34) Trichloroethene	5.924	95	593	0.067	ug/L	91
35) Methylcyclohexane	6.072	83	13432	1.084	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	6301	0.806	ug/L #	85
42) Toluene	7.397	91	10933	0.331	ug/L	99
47) Tetrachloroethene	7.979	164	1464	0.205	ug/L	94
48) 2-Hexanone	8.149	43	2274	0.740	ug/L #	66
49) Dibromochloromethane	7.979	129	1487	0.219	ug/L #	7
53) m,p-xylene	9.146	106	1076	0.082	ug/L	90
61) 1,2,3-Trichloropropane	11.252	75	6638	1.691	ug/L #	62
64) 1,3-Dichlorobenzene	11.191	146	1397	0.093	ug/L	94
65) 1,4-Dichlorobenzene	11.275	146	1743	0.114	ug/L	89

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 21 02:43:59 2021
Response via : Initial Calibration

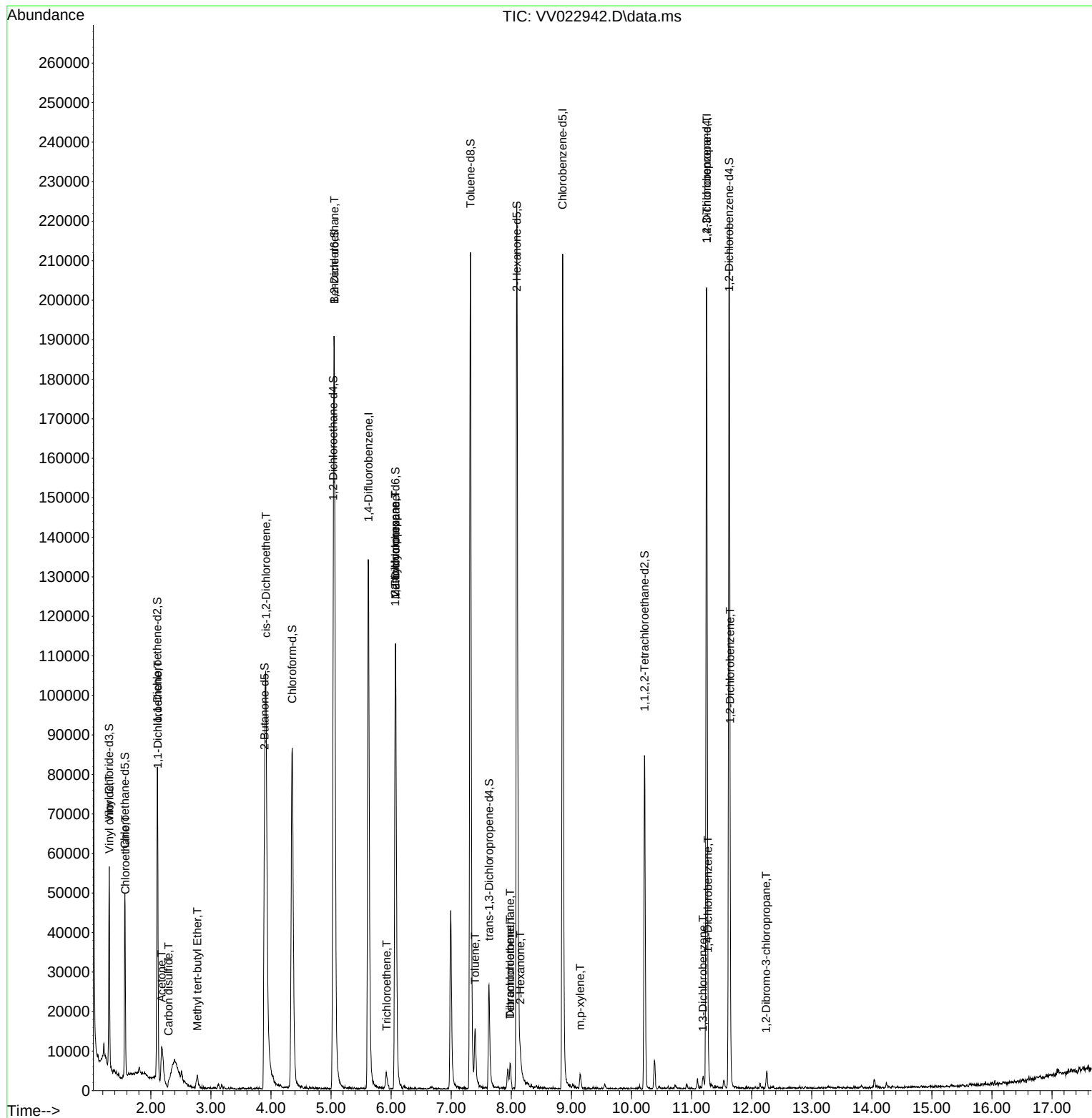
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.641	146	1741	0.123	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	12.242	75	70	0.098	ug/L #	1

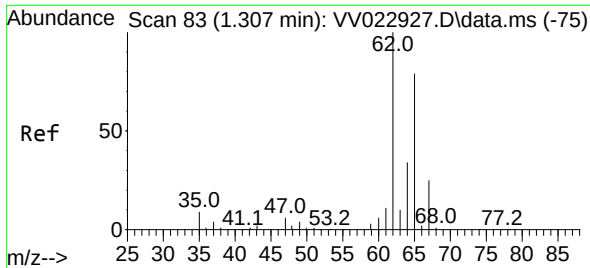
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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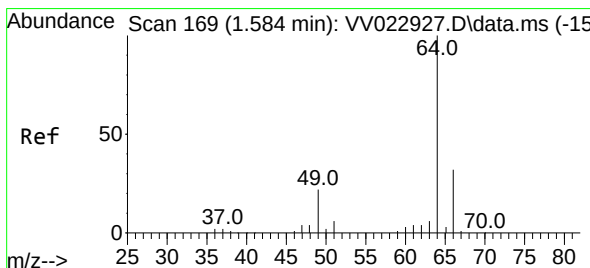
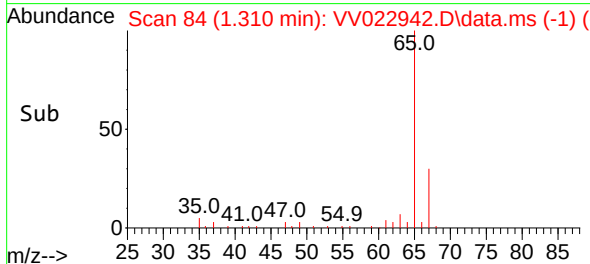
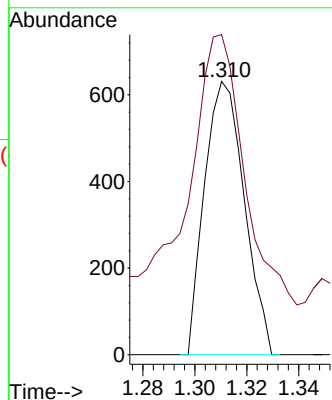
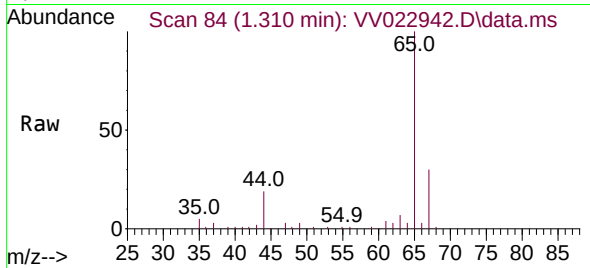




#5
 Vinyl chloride
 Concen: 0.075 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022942.D
 Acq: 20 Oct 2021 19:17

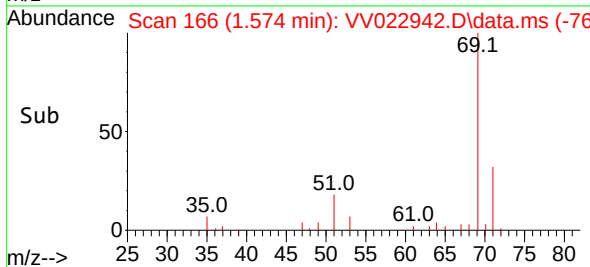
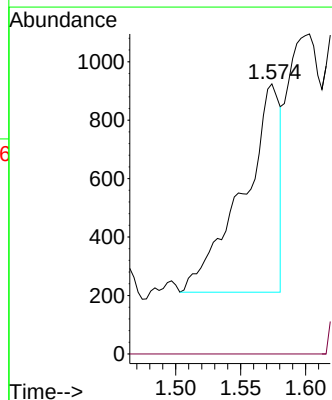
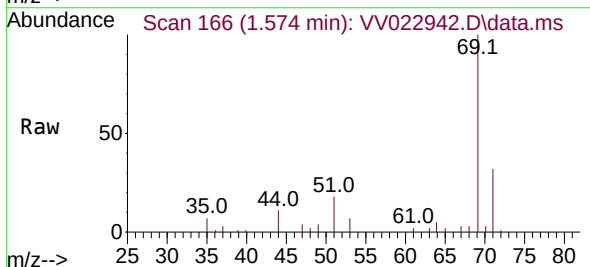
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC9

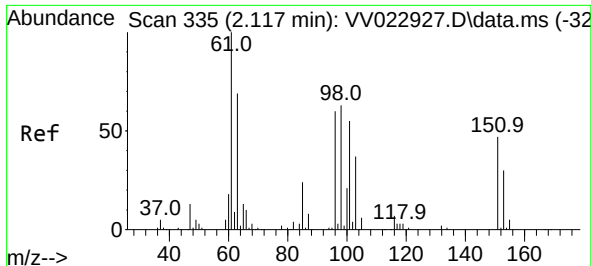
Tgt Ion: 62 Resp: 671
 Ion Ratio Lower Upper
 62 100
 64 117.1 23.0 42.8#



#8
 Chloroethane
 Concen: 0.257 ug/L
 RT: 1.574 min Scan# 166
 Delta R.T. -0.010 min
 Lab File: VV022942.D
 Acq: 20 Oct 2021 19:17

Tgt Ion: 64 Resp: 1430
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.9 42.5#

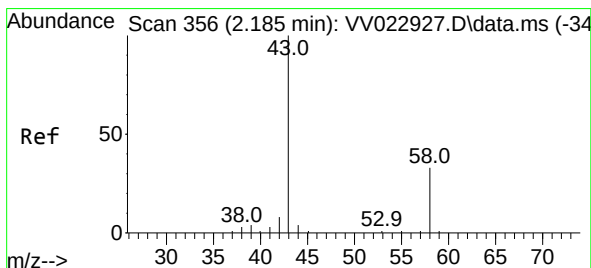
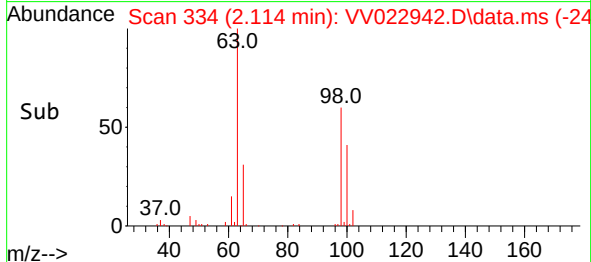
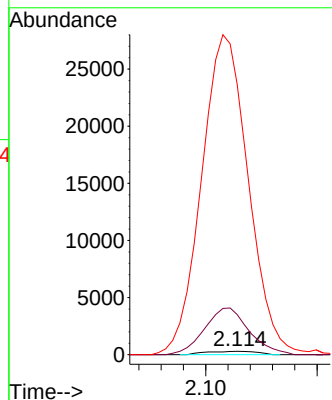
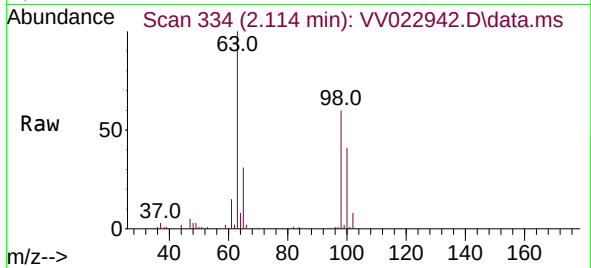




#12
1,1-Dichloroethene
Concen: 0.066 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

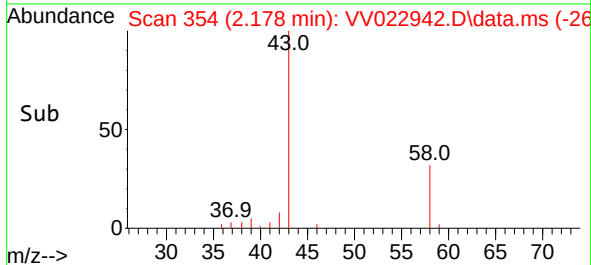
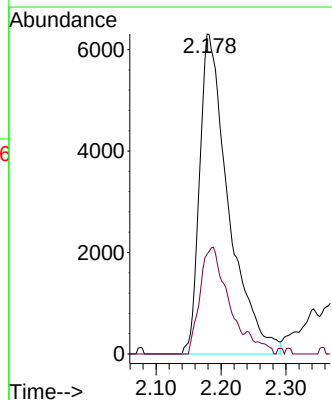
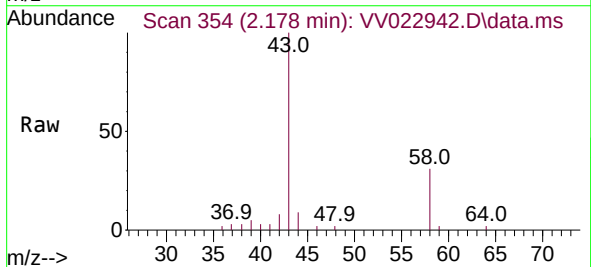
Instrument :
MSVOA_V
ClientSampleId :
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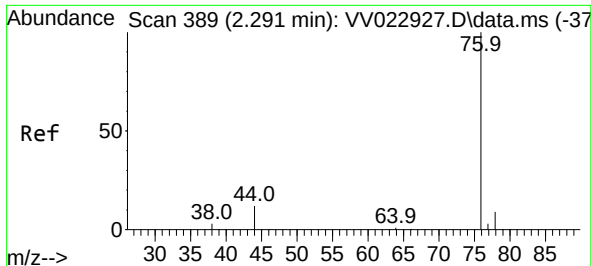
Tgt Ion: 96 Resp: 475
Ion Ratio Lower Upper
96 100
61 1185.5 127.3 236.5#
63 7975.8 106.2 197.2#



#13
Acetone
Concen: 16.353 ug/L
RT: 2.178 min Scan# 354
Delta R.T. -0.007 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

Tgt Ion: 43 Resp: 19555
Ion Ratio Lower Upper
43 100
58 30.7 0.0 24.2#

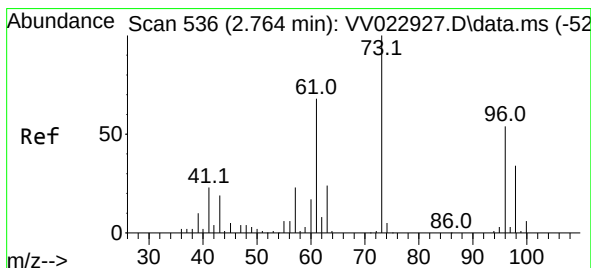
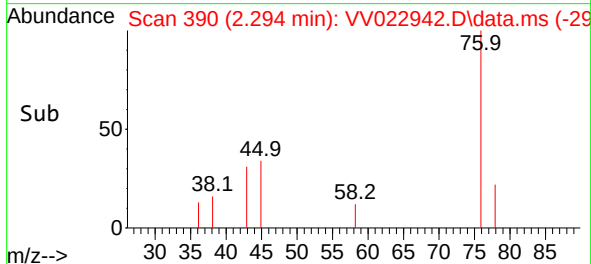
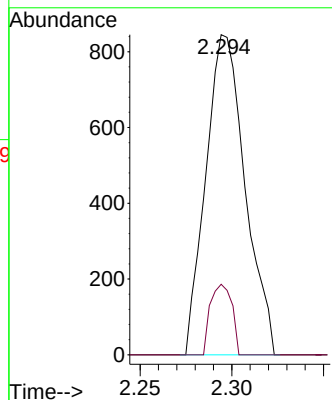
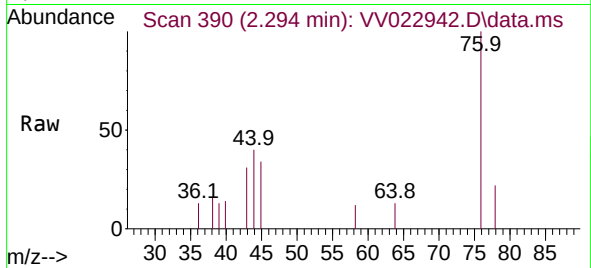




#14
Carbon disulfide
Concen: 0.062 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

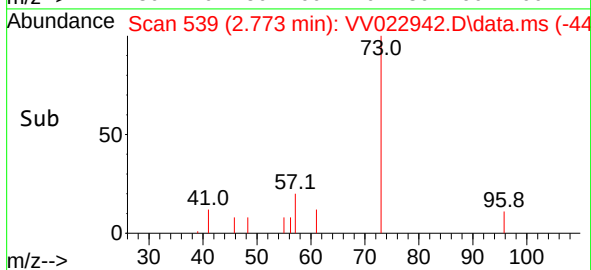
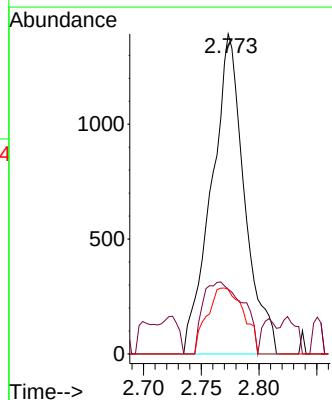
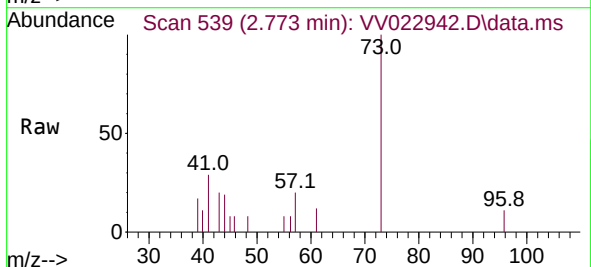
Instrument :
MSVOA_V
ClientSampleId :
BFGC9

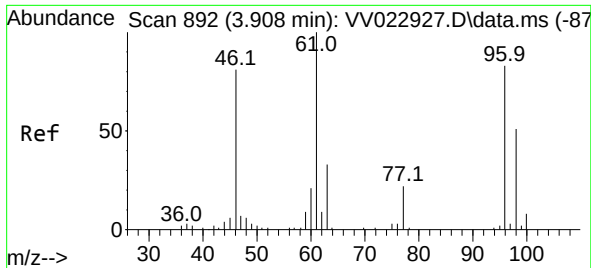
Tgt Ion: 76 Resp: 1257
Ion Ratio Lower Upper
76 100
78 22.0 7.4 11.0#



#17
Methyl tert-butyl Ether
Concen: 0.159 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.010 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

Tgt Ion: 73 Resp: 2762
Ion Ratio Lower Upper
73 100
43 27.4 17.1 25.7#
57 22.6 17.2 25.8

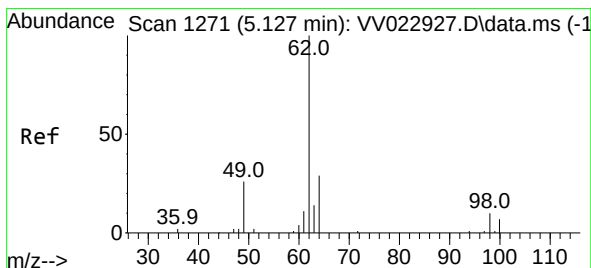
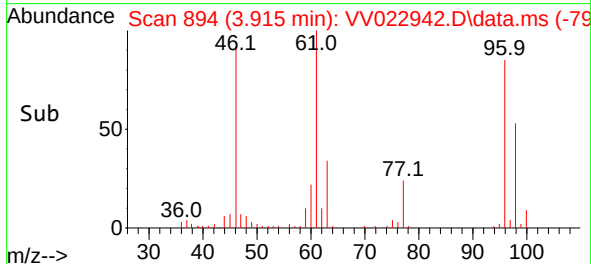
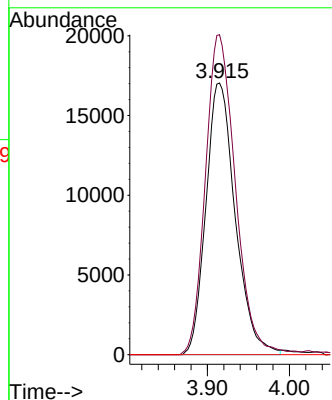
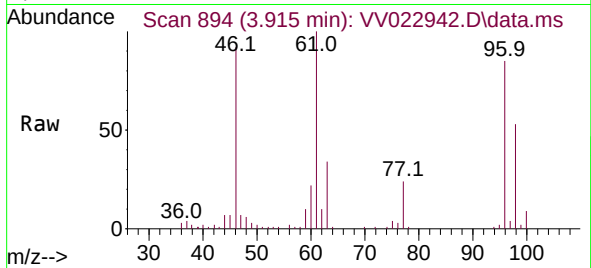




#22
 cis-1,2-Dichloroethene
 Concen: 5.172 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.006 min
 Lab File: VV022942.D
 Acq: 20 Oct 2021 19:17

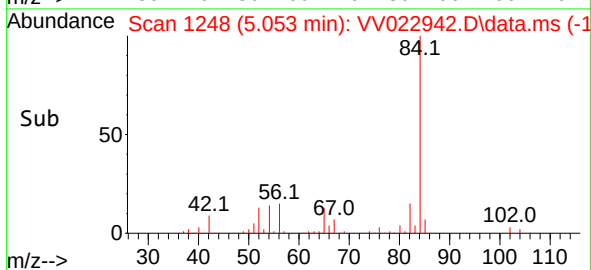
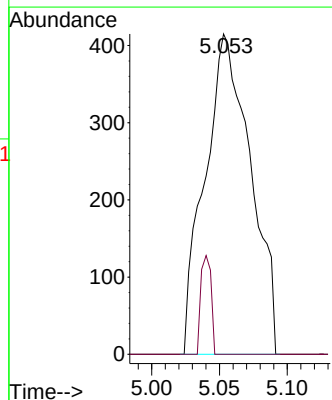
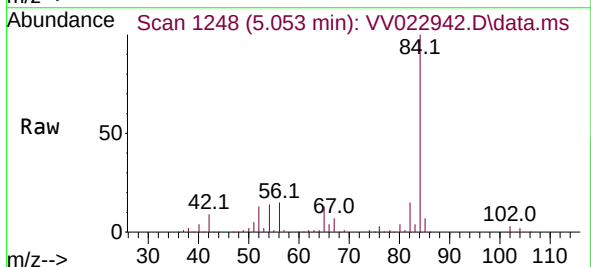
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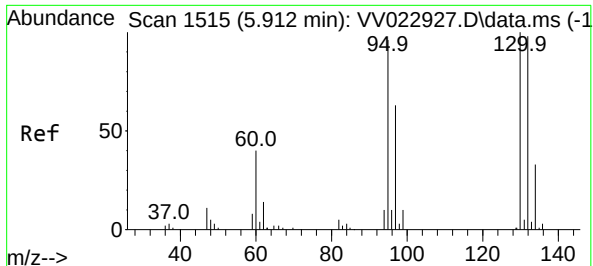
Tgt Ion:	96	Resp:	42407
Ion	Ratio	Lower	Upper
96	100		
61	117.8	86.0	159.6
68	0.0	0.0	0.0



#27
 1,2-Dichloroethane
 Concen: 0.120 ug/L
 RT: 5.053 min Scan# 1248
 Delta R.T. -0.074 min
 Lab File: VV022942.D
 Acq: 20 Oct 2021 19:17

Tgt Ion:	62	Resp:	973
Ion	Ratio	Lower	Upper
62	100		
98	0.0	9.7	14.5#



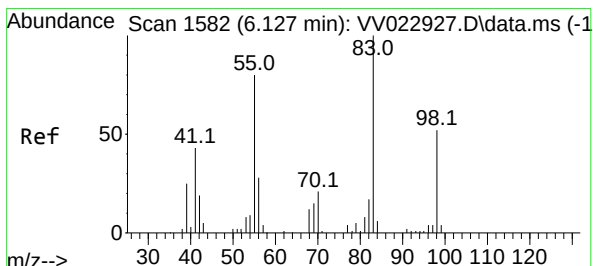
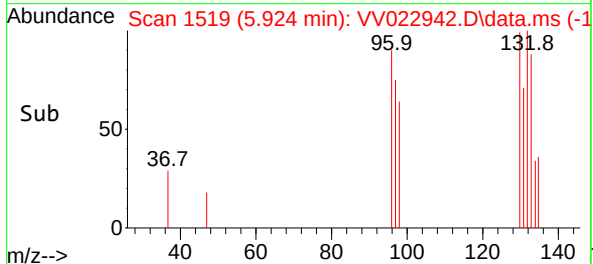
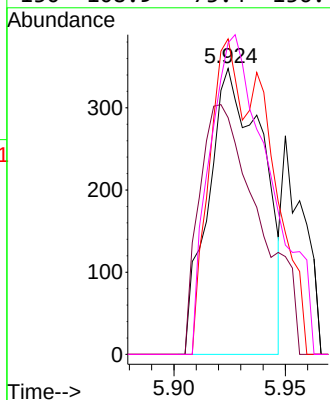
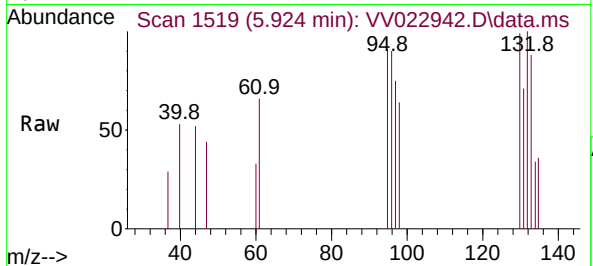


#34
Trichloroethene
Concen: 0.067 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.013 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

Instrument :
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ClientSampleId :
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Tgt Ion: 95 Resp: 593

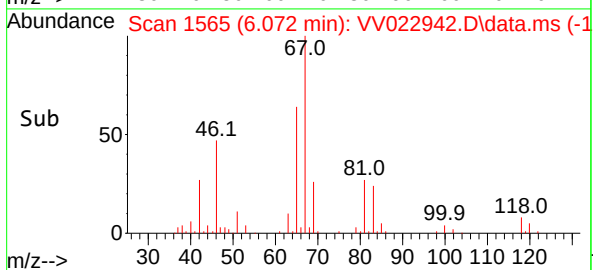
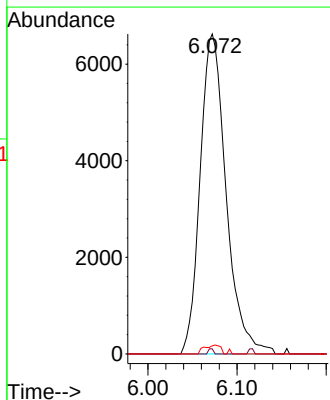
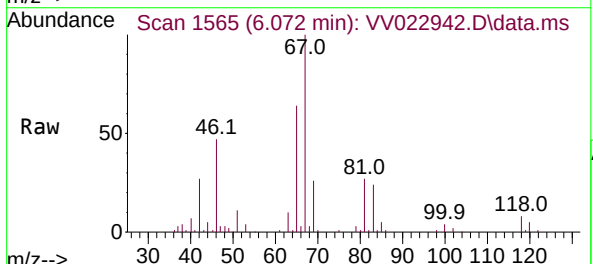
Ion	Ratio	Lower	Upper
95	100		
97	82.8	45.8	85.2
132	110.3	72.2	134.0
130	108.9	73.4	136.4

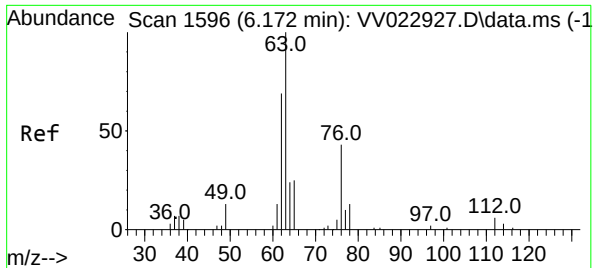


#35
Methylcyclohexane
Concen: 1.084 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

Tgt Ion: 83 Resp: 13432

Ion	Ratio	Lower	Upper
83	100		
55	0.3	63.8	95.6#
98	1.7	42.1	63.1#

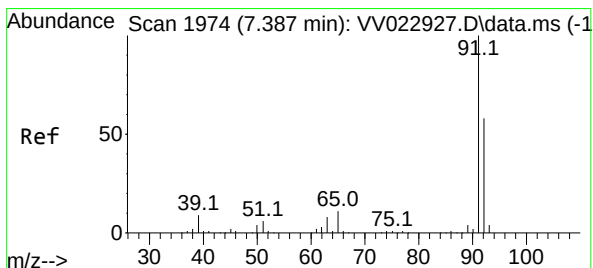
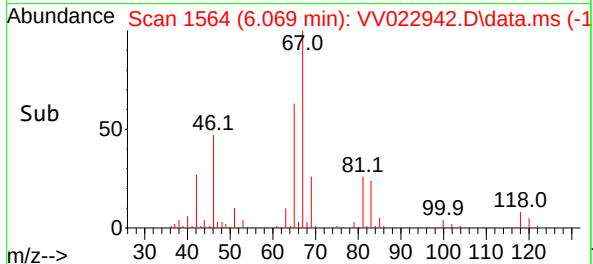
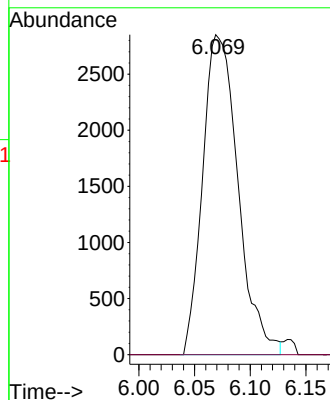
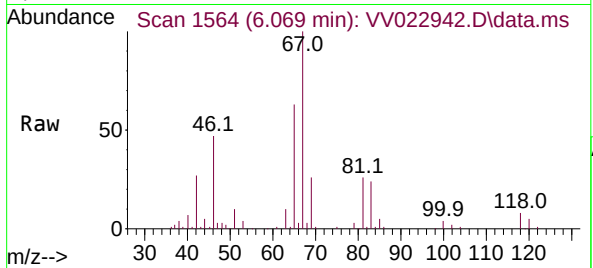




#37
1,2-Dichloropropane
Concen: 0.806 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.103 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

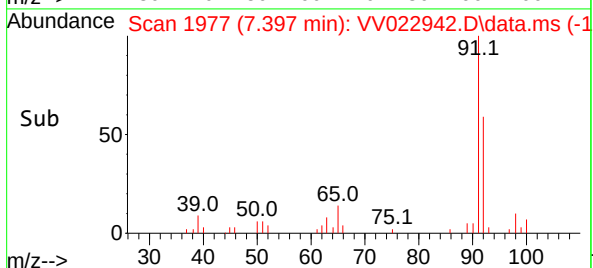
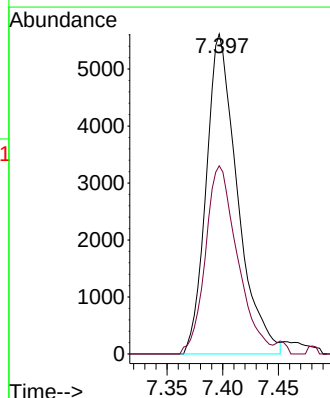
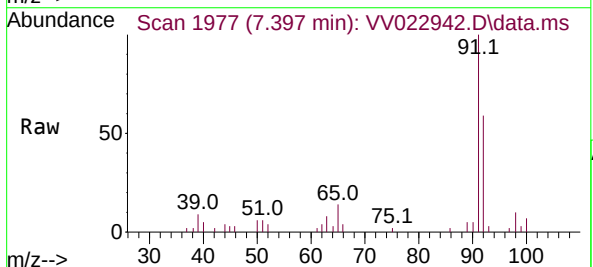
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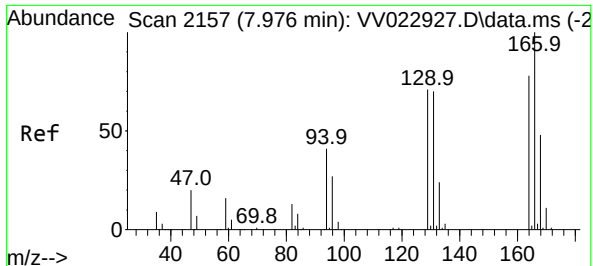
Tgt Ion: 63 Resp: 6301
Ion Ratio Lower Upper
63 100
112 0.3 4.4 6.6#



#42
Toluene
Concen: 0.331 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.010 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

Tgt Ion: 91 Resp: 10933
Ion Ratio Lower Upper
91 100
92 58.8 40.7 75.7





#47

Tetrachloroethene

Concen: 0.205 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV022942.D

Acq: 20 Oct 2021 19:17

Tgt Ion:164 Resp: 1464

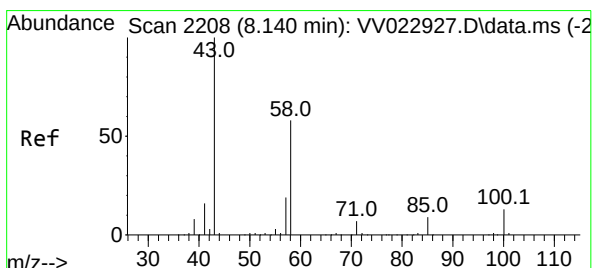
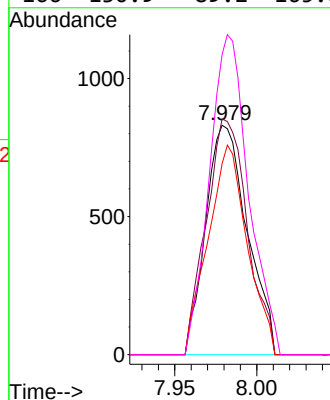
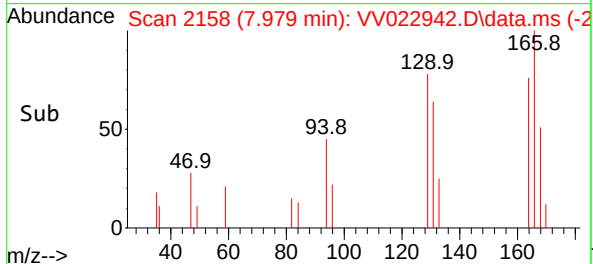
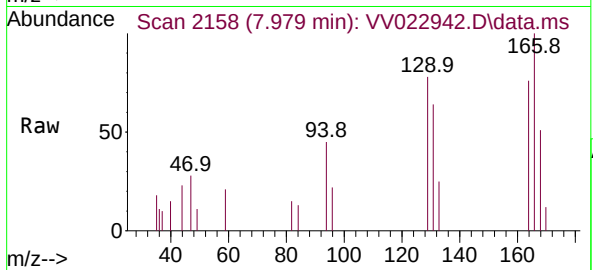
Ion Ratio Lower Upper

164 100

129 102.8 65.0 120.6

131 83.3 62.2 115.4

166 130.9 89.2 165.8



#48

2-Hexanone

Concen: 0.740 ug/L

RT: 8.149 min Scan# 2211

Delta R.T. 0.010 min

Lab File: VV022942.D

Acq: 20 Oct 2021 19:17

Tgt Ion: 43 Resp: 2274

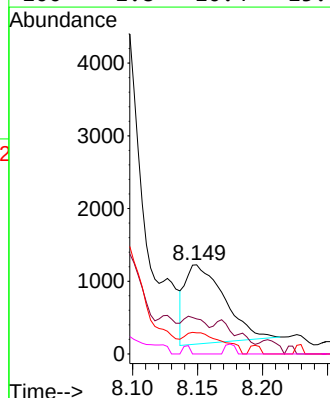
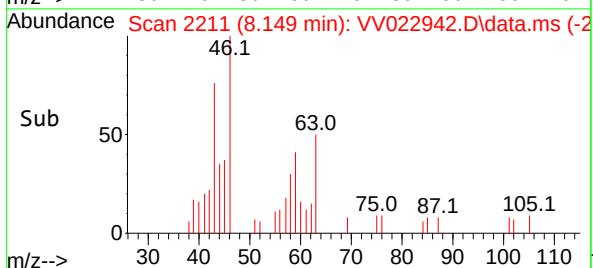
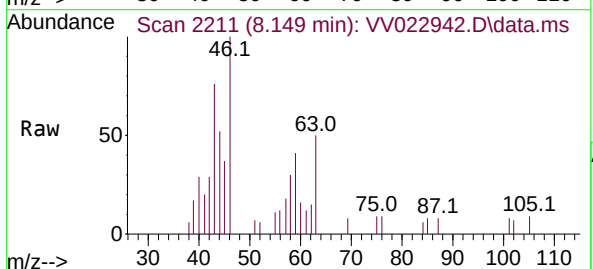
Ion Ratio Lower Upper

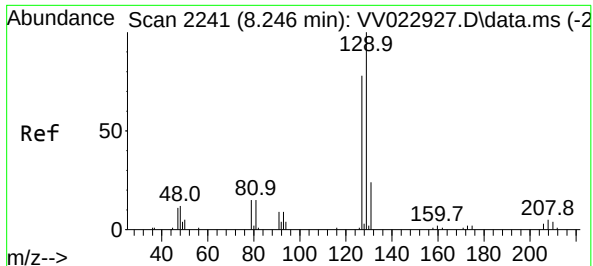
43 100

58 27.5 47.4 71.0#

57 25.9 15.3 22.9#

100 1.8 10.4 15.6#





#49

Dibromochloromethane

Concen: 0.219 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV022942.D

Acq: 20 Oct 2021 19:17

Tgt Ion:129 Resp: 1487

Ion Ratio Lower Upper

129 100

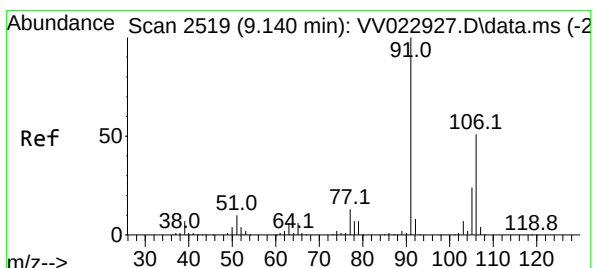
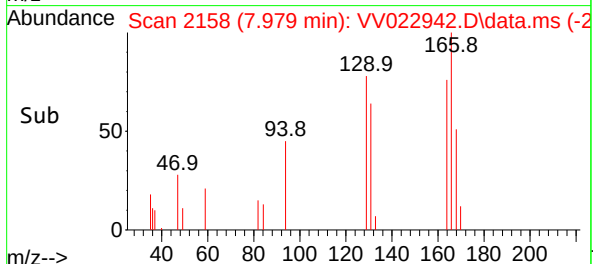
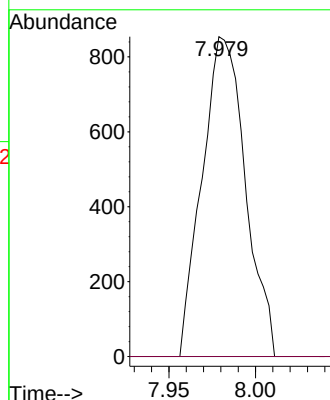
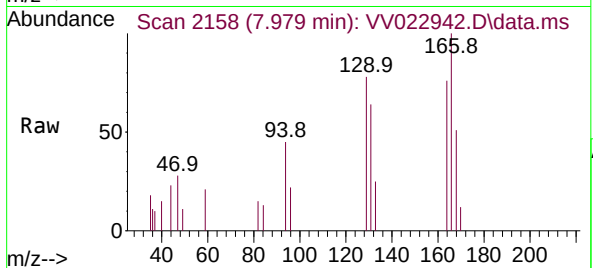
127 0.0 59.1 109.9#

Instrument :

MSVOA_V

ClientSampleId :

BFGC9



#53

m,p-xylene

Concen: 0.082 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.006 min

Lab File: VV022942.D

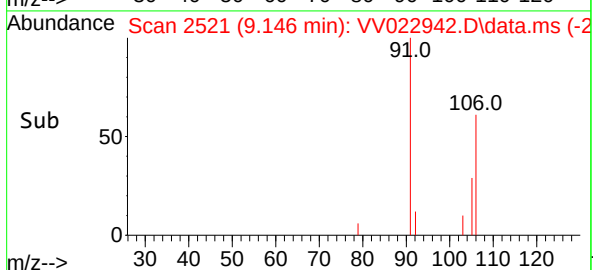
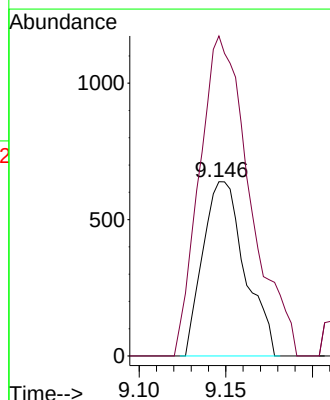
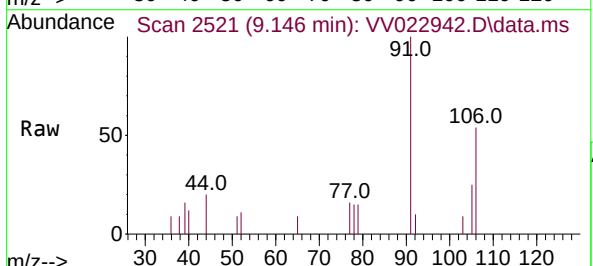
Acq: 20 Oct 2021 19:17

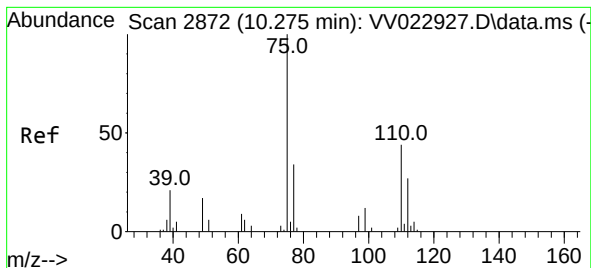
Tgt Ion:106 Resp: 1076

Ion Ratio Lower Upper

106 100

91 183.6 138.7 257.5

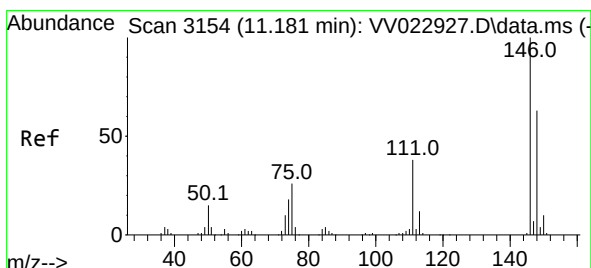
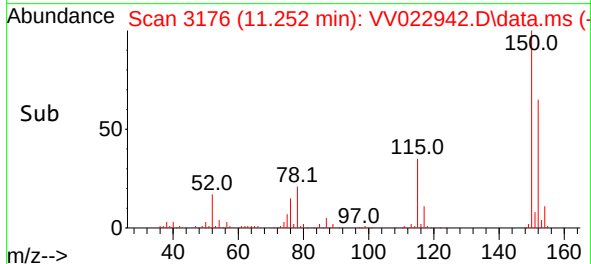
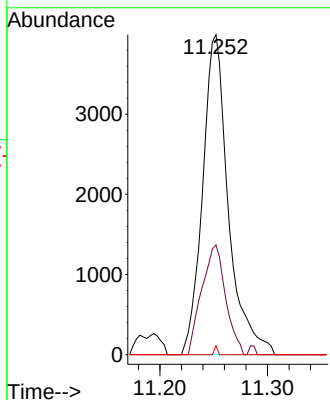
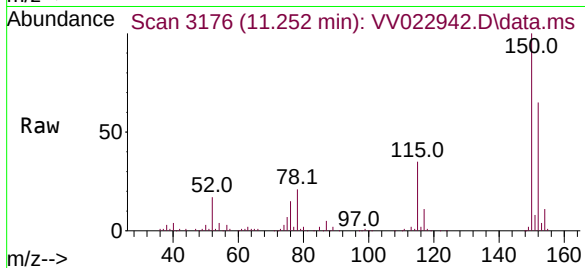




#61
1,2,3-Trichloropropane
Concen: 1.691 ug/L
RT: 11.252 min Scan# 3176
Delta R.T. 0.977 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

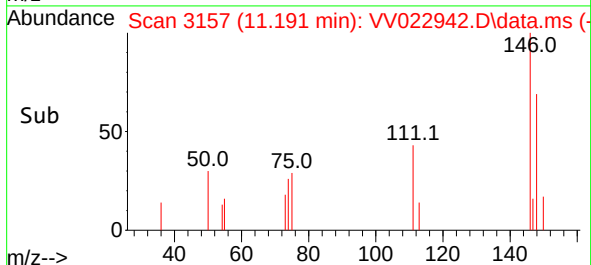
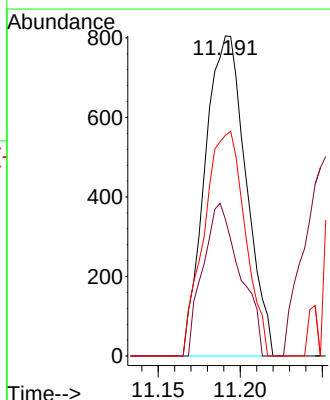
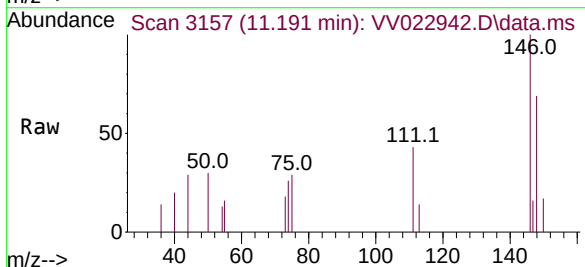
Instrument :
MSVOA_V
ClientSampleId :
BFGC9

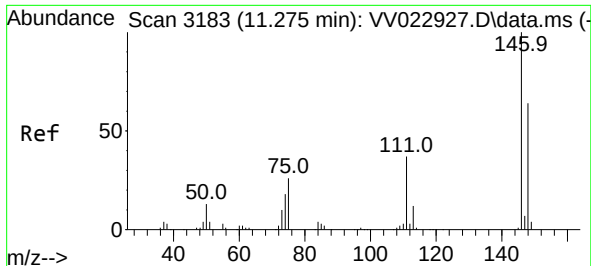
Tgt Ion: 75 Resp: 6638
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
110 0.3 34.2 51.4#



#64
1,3-Dichlorobenzene
Concen: 0.093 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.010 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

Tgt Ion:146 Resp: 1397
Ion Ratio Lower Upper
146 100
111 42.7 26.7 49.5
148 68.9 45.1 83.9

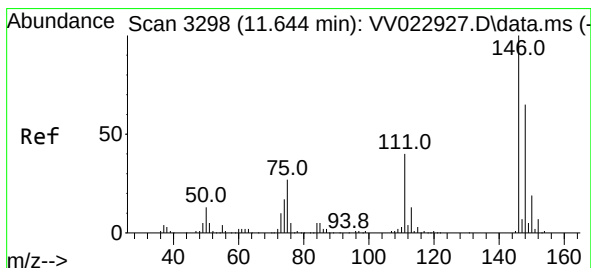
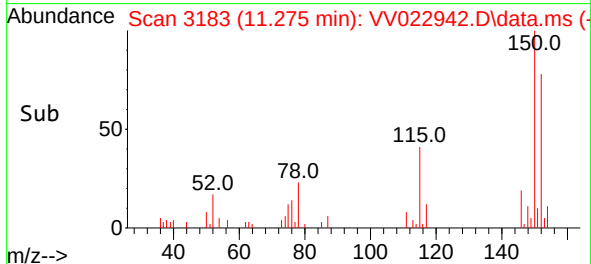
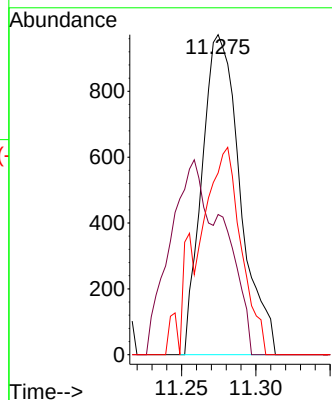
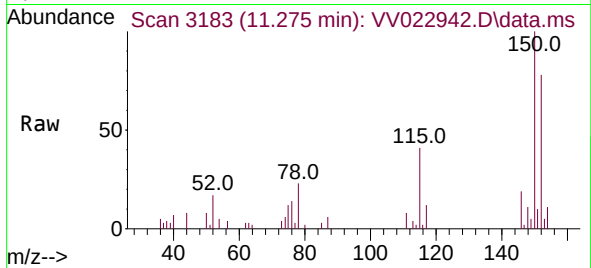




#65
1,4-Dichlorobenzene
Concen: 0.114 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

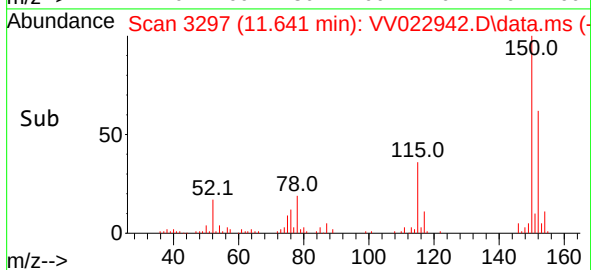
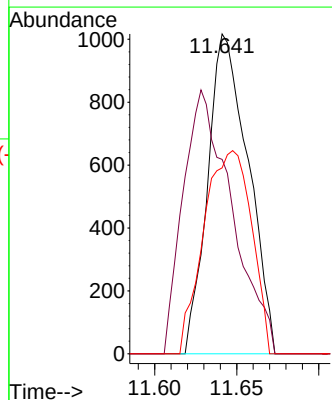
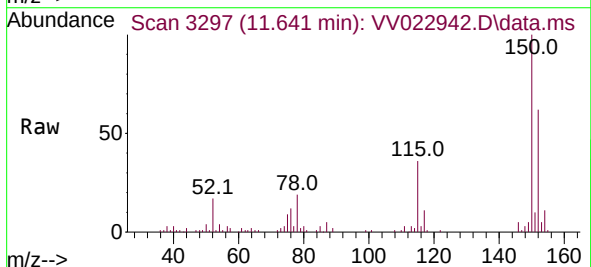
Instrument :
MSVOA_V
ClientSampled :
BFGC9

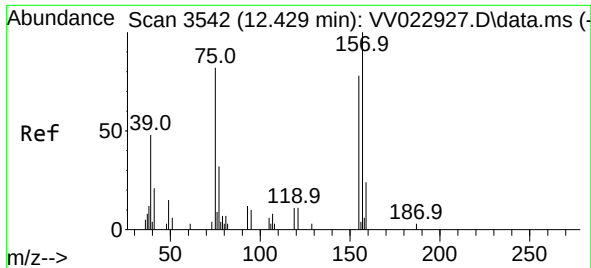
Tgt Ion:	146	Resp:	1743
Ion	Ratio	Lower	Upper
146	100		
111	43.8	25.6	47.4
148	56.8	44.9	83.5



#67
1,2-Dichlorobenzene
Concen: 0.123 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.003 min
Lab File: VV022942.D
Acq: 20 Oct 2021 19:17

Tgt Ion:	146	Resp:	1741
Ion	Ratio	Lower	Upper
146	100		
111	60.8	32.3	48.5#
148	58.1	52.1	78.1





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.098 ug/L
 RT: 12.242 min Scan# 3484
 Delta R.T. -0.187 min
 Lab File: VV022942.D
 Acq: 20 Oct 2021 19:17

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC9

Tgt Ion: 75 Resp: 70
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

