

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102021\
 Data File : VW022938.D
 Acq On : 20 Oct 2021 17:42
 Operator : SY/MD
 Sample : M4137-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFG91

Quant Time: Oct 21 02:47:52 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	120252	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	124479	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56675	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	31582	3.817	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.400%
7) Chloroethane-d5	1.568	69	25318	3.405	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.200%
11) 1,1-Dichloroethene-d2	2.108	63	44861	2.764	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.200%#
20) 2-Butanone-d5	3.892	46	105158	48.475	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.940%
24) Chloroform-d	4.352	84	75844	4.448	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	5.037	65	43326	5.236	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.053	84	173729	4.688	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.072	67	56971	5.191	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.800%
41) Toluene-d8	7.317	98	144111	4.499	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	7.625	79	17756	4.877	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.092	63	81225	55.365	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.740%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39658	5.334	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	57828	5.503	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	504	0.057	ug/L #	83
5) Vinyl chloride	1.310	62	1807	0.199	ug/L #	64
12) 1,1-Dichloroethene	2.108	96	671	0.092	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	916	0.052	ug/L #	84
18) trans-1,2-Dichloroethene	2.767	96	1080	0.137	ug/L	87
19) 1,1-Dichloroethane	3.195	63	3533	0.248	ug/L	91
22) cis-1,2-Dichloroethene	3.912	96	73538	8.866	ug/L	100
25) Chloroform	4.381	83	27198	1.649	ug/L	98
34) Trichloroethene	5.918	95	23310	2.557	ug/L	96
35) Methylcyclohexane	6.072	83	13683	1.071	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	6197	0.769	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1163	0.109	ug/L #	44
42) Toluene	7.391	91	358153	10.523	ug/L	100
47) Tetrachloroethene	7.976	164	71520	9.700	ug/L	99
48) 2-Hexanone	8.092	43	9659	3.049	ug/L #	68
49) Dibromochloromethane	7.976	129	63400	9.052	ug/L #	7
53) m,p-xylene	9.149	106	1329	0.098	ug/L	87
68) 1,2-Dibromo-3-chloropr...	12.249	75	304	0.424	ug/L #	1

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

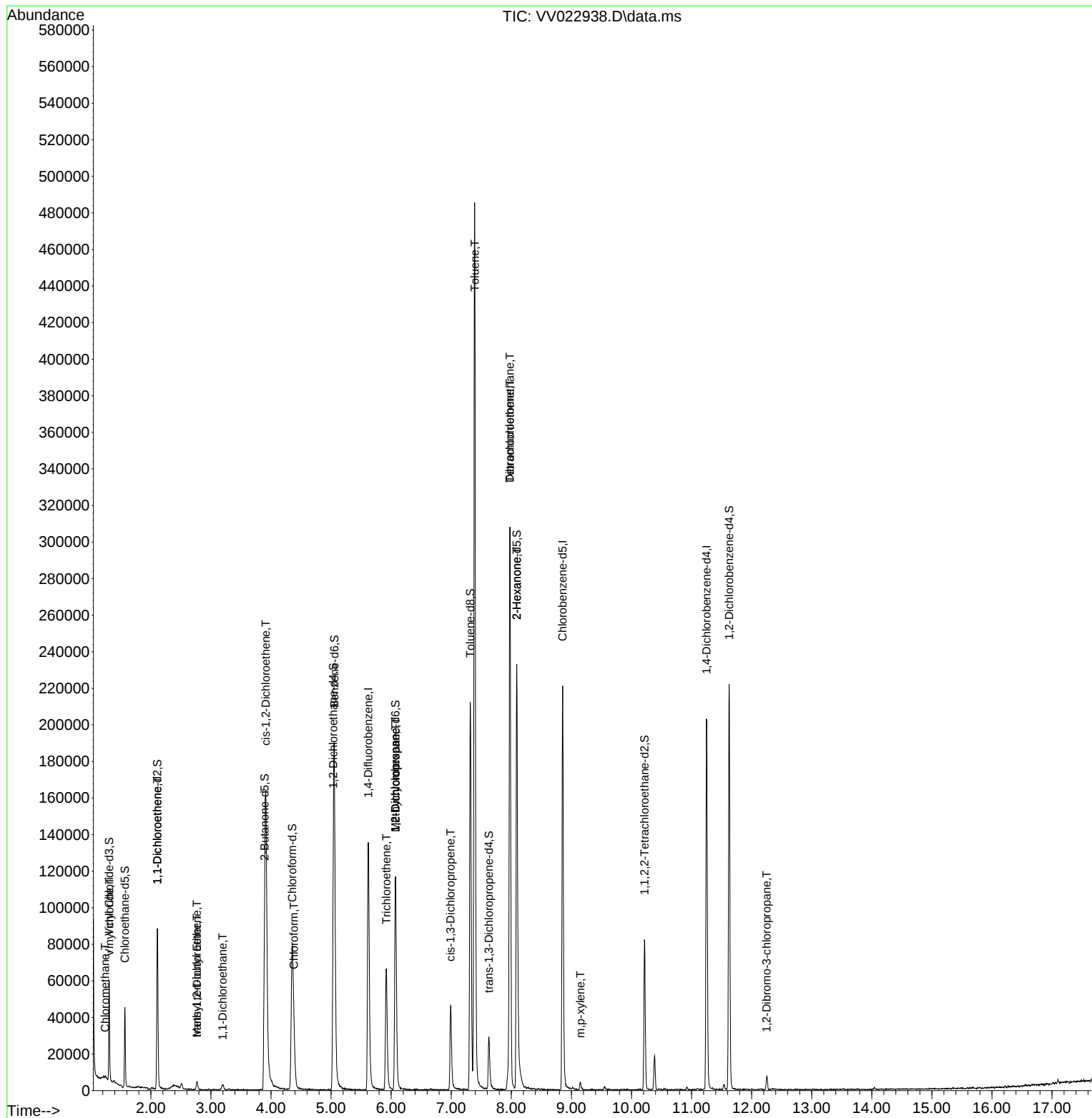
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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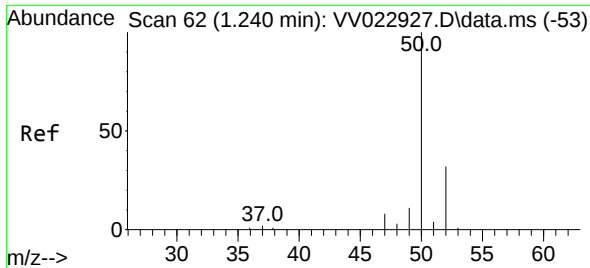
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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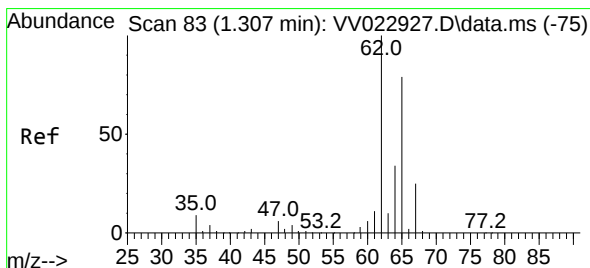
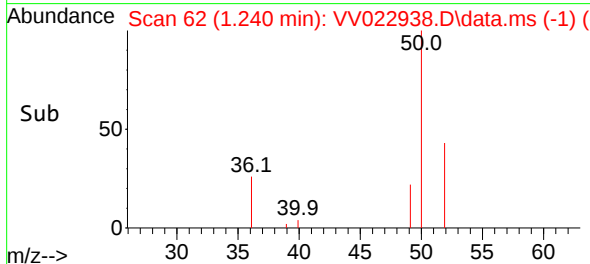
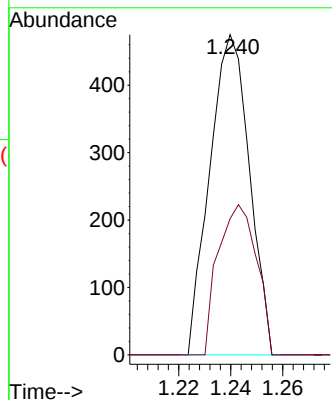
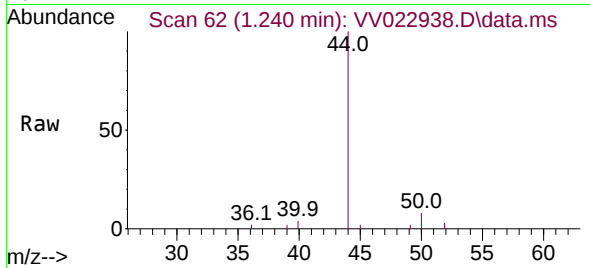




#3
Chloromethane
Concen: 0.057 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

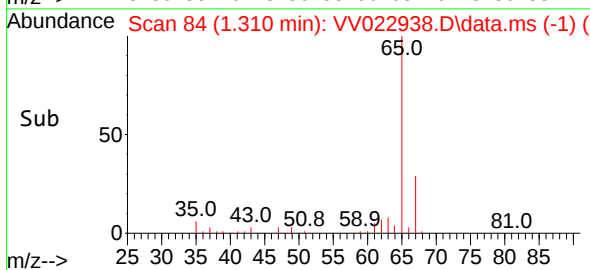
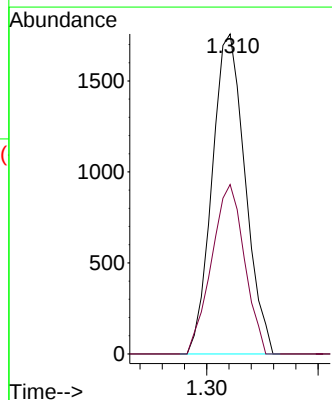
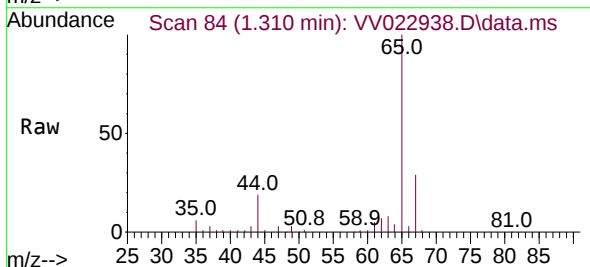
Instrument :
MSVOA_V
ClientSampled :
BFG91

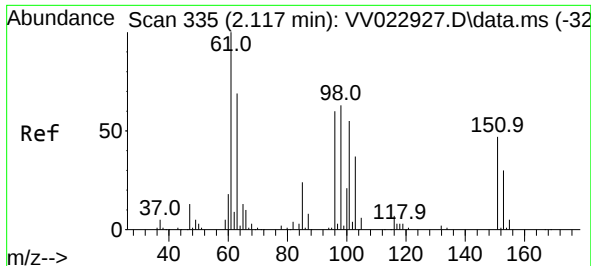
Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 42.5 22.9 42.5#



#5
Vinyl chloride
Concen: 0.199 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

Tgt Ion: 62 Resp: 1807
Ion Ratio Lower Upper
62 100
64 53.0 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 0.092 ug/L

RT: 2.108 min Scan# 332

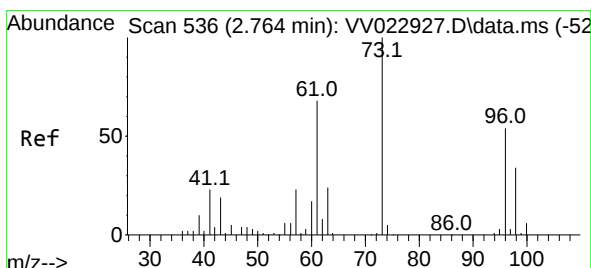
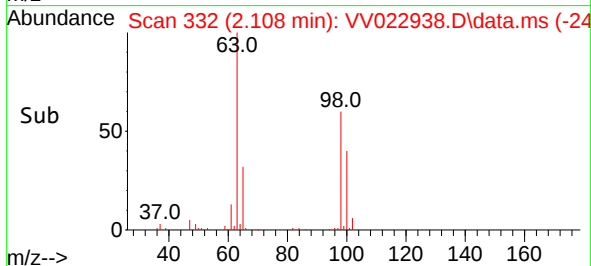
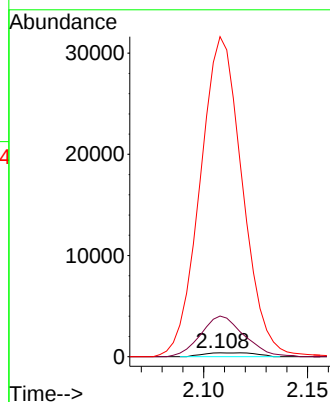
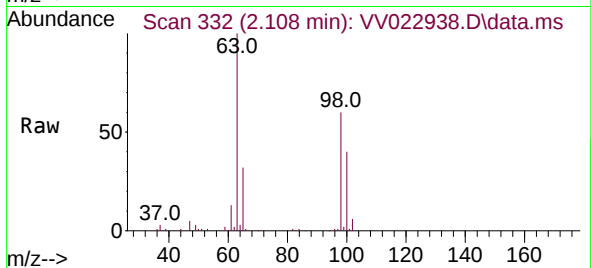
Delta R.T. -0.010 min

Lab File: VV022938.D

Acq: 20 Oct 2021 17:42

Tgt Ion:	96	Resp:	671
Ion	Ratio	Lower	Upper
96	100		
61	1041.2	127.3	236.5#
63	8194.8	106.2	197.2#

Instrument :
MSVOA_V
ClientSampleId :
BFG91



#17

Methyl tert-butyl Ether

Concen: 0.052 ug/L

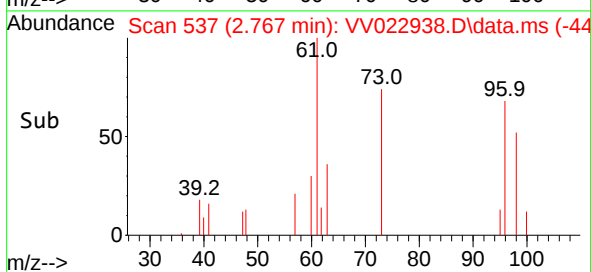
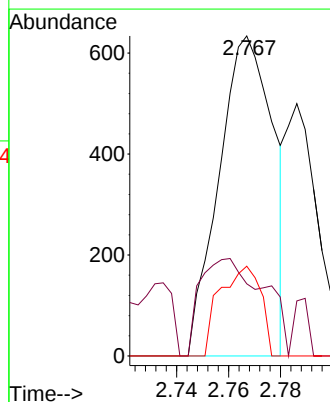
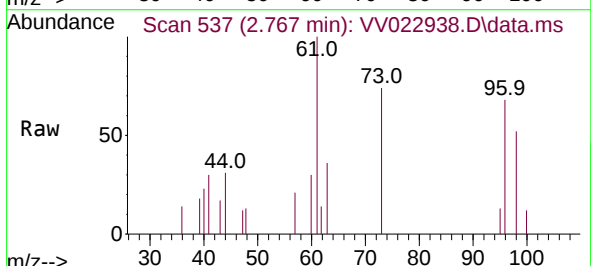
RT: 2.767 min Scan# 537

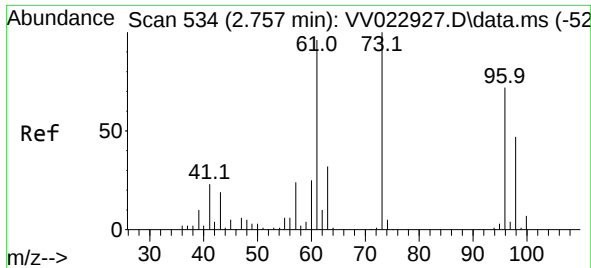
Delta R.T. 0.003 min

Lab File: VV022938.D

Acq: 20 Oct 2021 17:42

Tgt Ion:	73	Resp:	916
Ion	Ratio	Lower	Upper
73	100		
43	35.8	17.1	25.7#
57	21.2	17.2	25.8

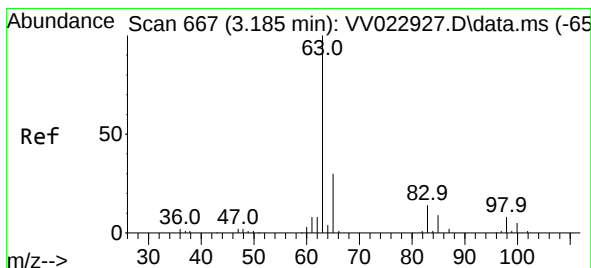
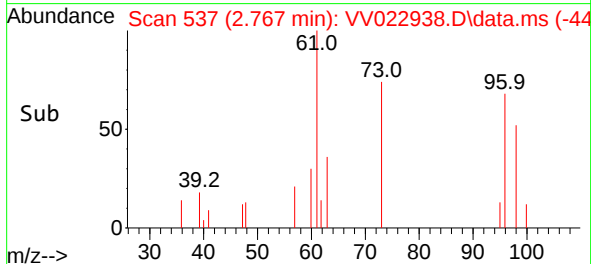
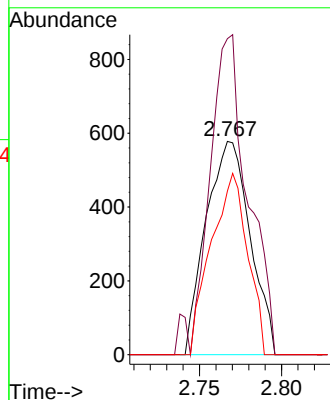
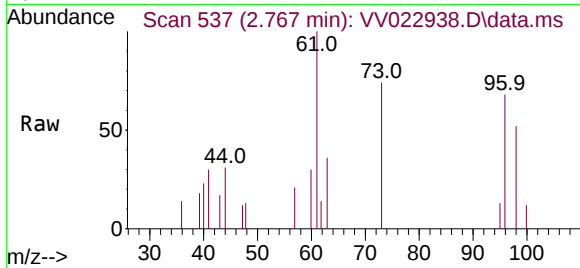




#18
trans-1,2-Dichloroethene
Concen: 0.137 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

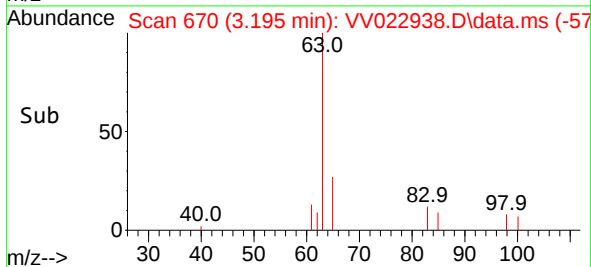
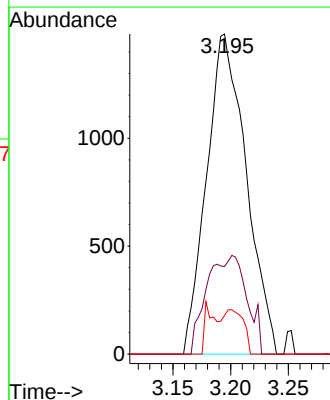
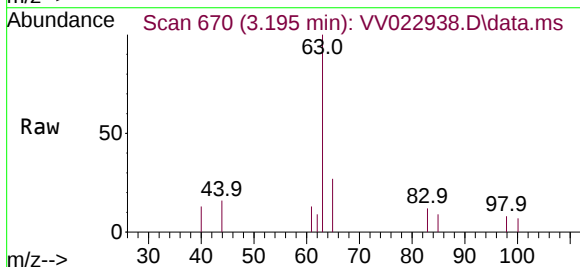
Instrument :
MSVOA_V
ClientSampleId :
BFG91

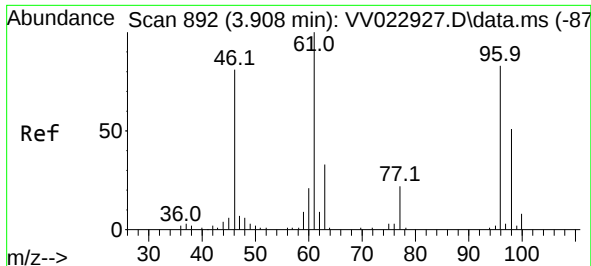
Tgt Ion:	96	Resp:	1080
Ion	Ratio	Lower	Upper
96	100		
61	148.1	94.5	175.5
98	76.6	44.2	82.0



#19
1,1-Dichloroethane
Concen: 0.248 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.010 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

Tgt Ion:	63	Resp:	3533
Ion	Ratio	Lower	Upper
63	100		
65	27.4	23.5	43.7
83	12.1	10.1	18.7

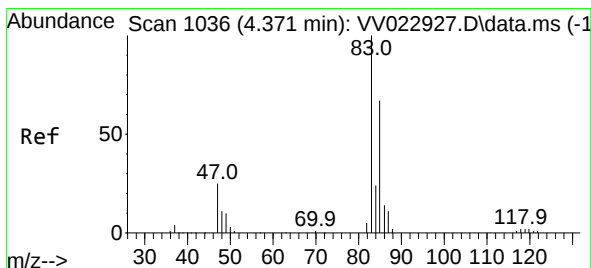
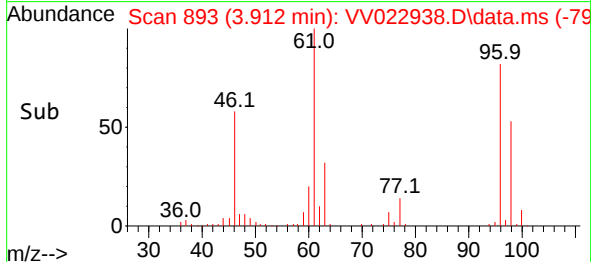
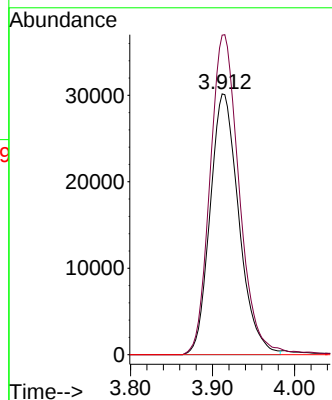
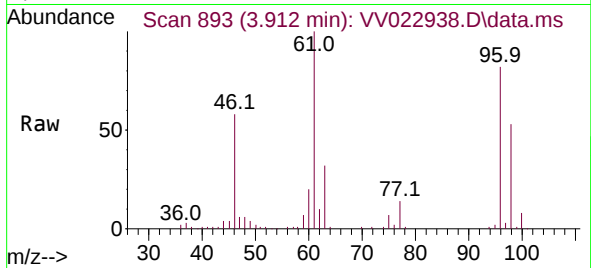




#22
cis-1,2-Dichloroethene
Concen: 8.866 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

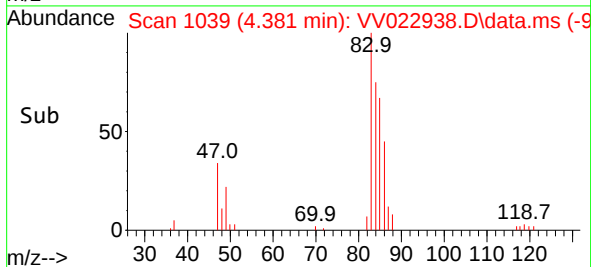
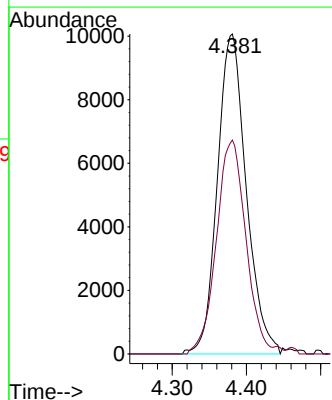
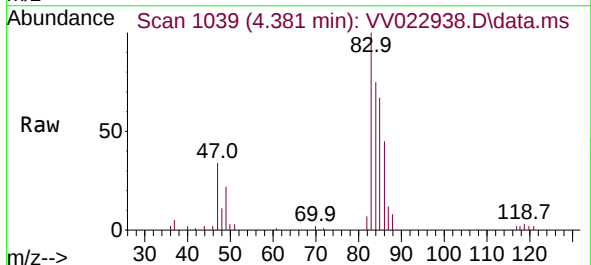
Instrument :
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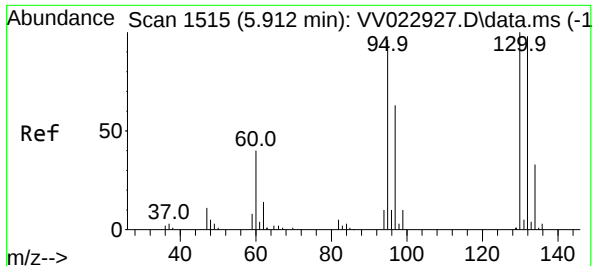
Tgt Ion: 96 Resp: 73538
Ion Ratio Lower Upper
96 100
61 122.5 86.0 159.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 1.649 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.010 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

Tgt Ion: 83 Resp: 27198
Ion Ratio Lower Upper
83 100
85 66.9 45.7 84.9



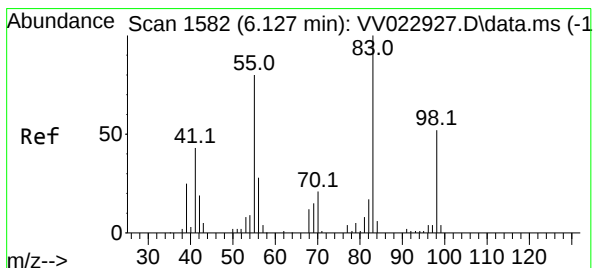
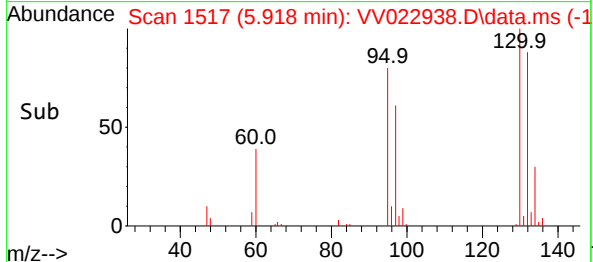
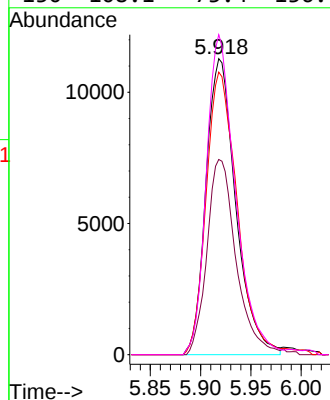
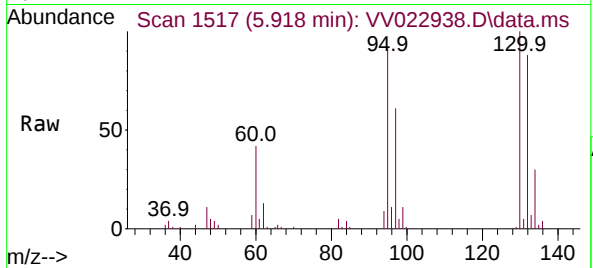


#34
Trichloroethene
Concen: 2.557 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

Instrument :
MSVOA_V
ClientSampled :
BFG91

Tgt Ion: 95 Resp: 23310

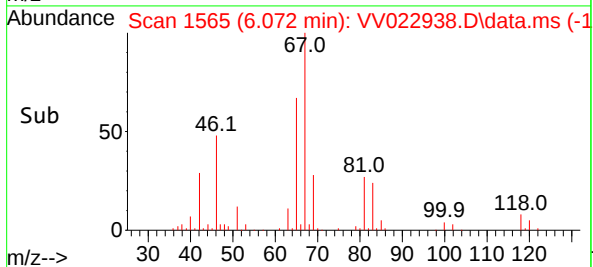
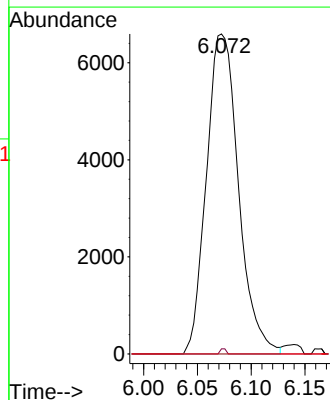
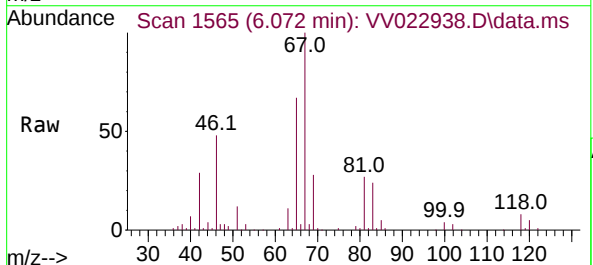
Ion	Ratio	Lower	Upper
95	100		
97	66.0	45.8	85.2
132	95.5	72.2	134.0
130	108.1	73.4	136.4

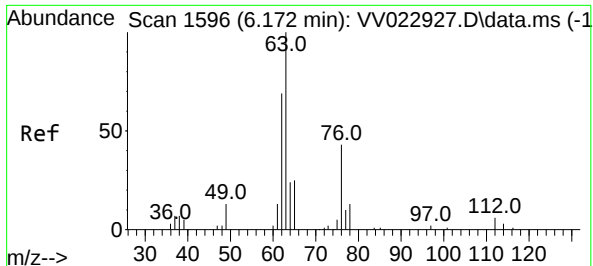


#35
Methylcyclohexane
Concen: 1.071 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

Tgt Ion: 83 Resp: 13683

Ion	Ratio	Lower	Upper
83	100		
55	0.3	63.8	95.6#
98	1.1	42.1	63.1#

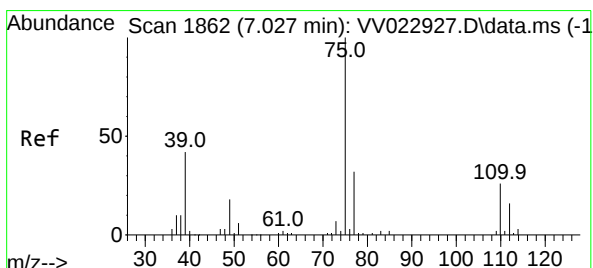
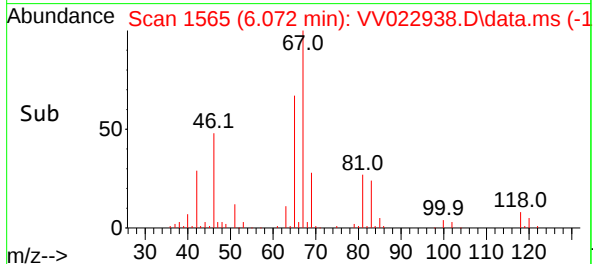
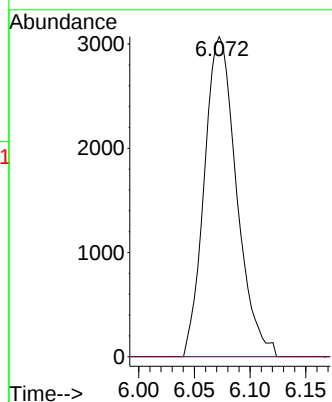
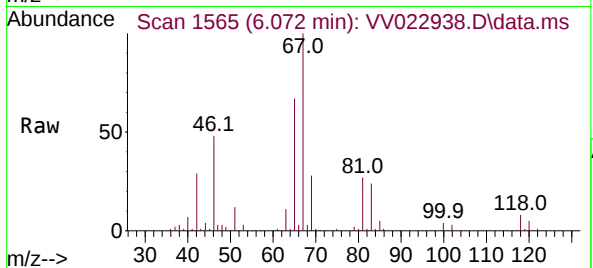




#37
1,2-Dichloropropane
Concen: 0.769 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

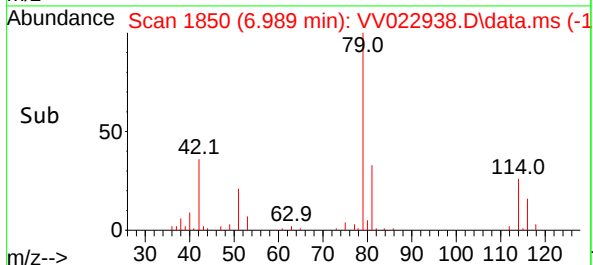
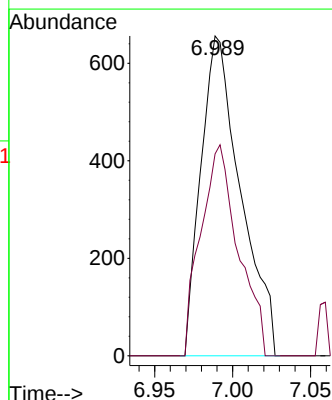
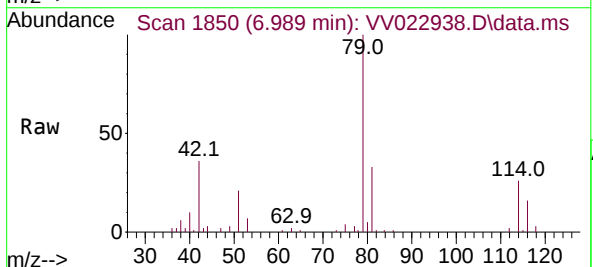
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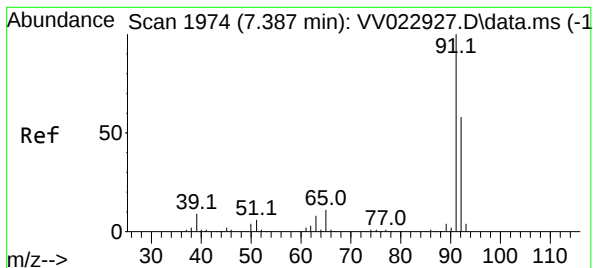
Tgt Ion: 63 Resp: 6197
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#39
cis-1,3-Dichloropropene
Concen: 0.109 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

Tgt Ion: 75 Resp: 1163
Ion Ratio Lower Upper
75 100
77 63.1 22.3 41.3#





#42

Toluene

Concen: 10.523 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV022938.D

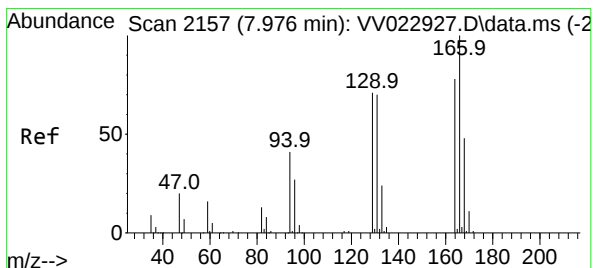
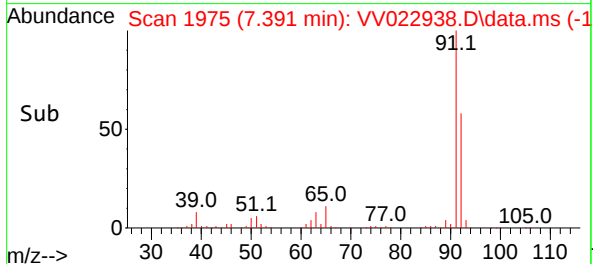
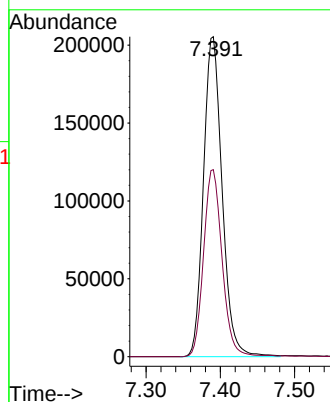
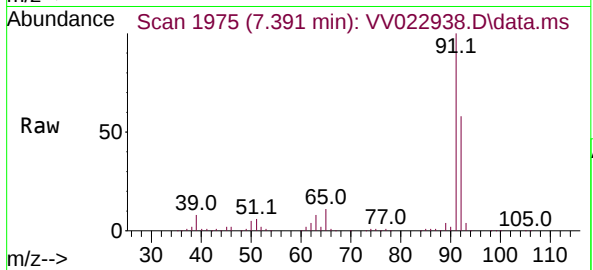
Acq: 20 Oct 2021 17:42

Tgt Ion: 91 Resp: 358153

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



#47

Tetrachloroethene

Concen: 9.700 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV022938.D

Acq: 20 Oct 2021 17:42

Tgt Ion: 164 Resp: 71520

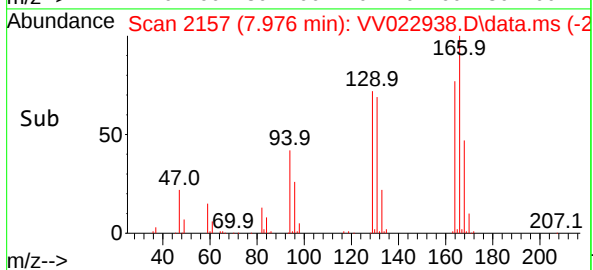
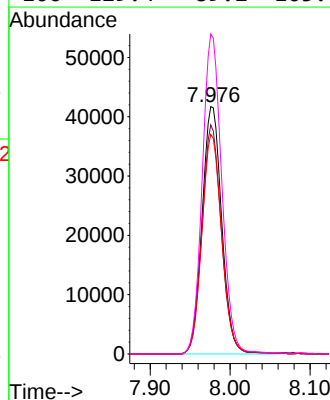
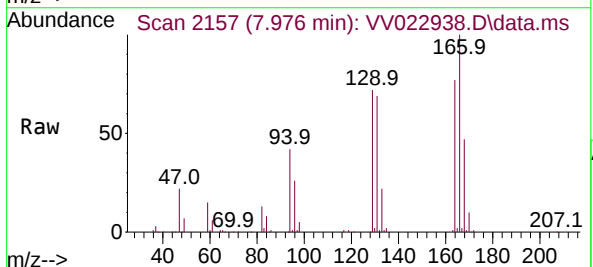
Ion Ratio Lower Upper

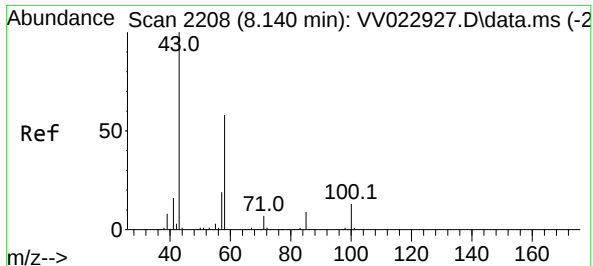
164 100

129 92.6 65.0 120.6

131 88.7 62.2 115.4

166 129.4 89.2 165.8

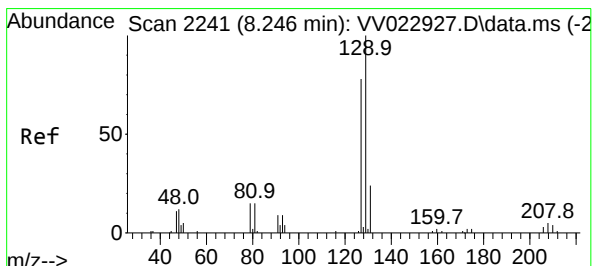
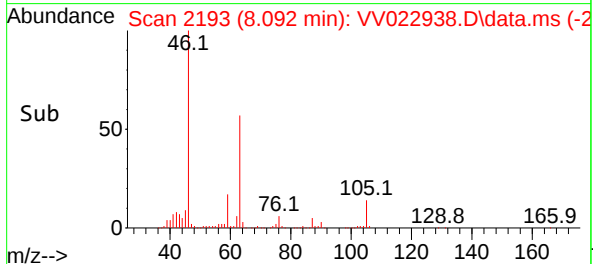
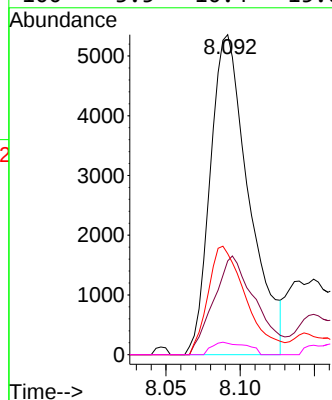
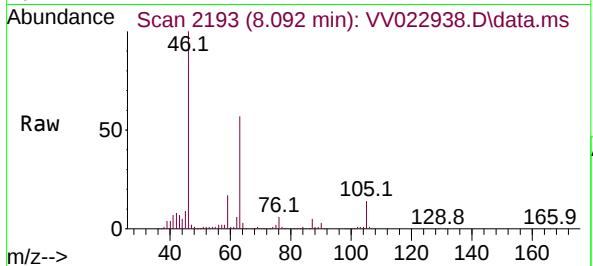




#48
2-Hexanone
Concen: 3.049 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.048 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

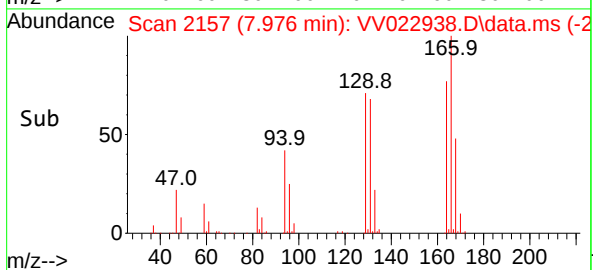
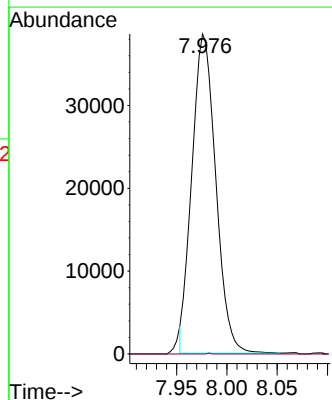
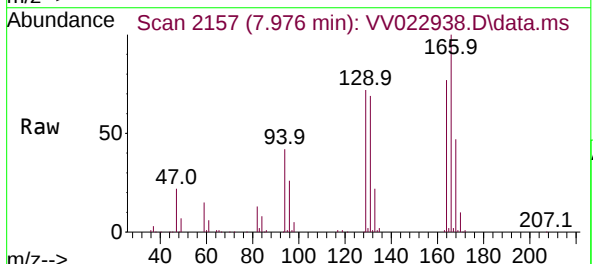
Instrument :
MSVOA_V
ClientSampled :
BFG91

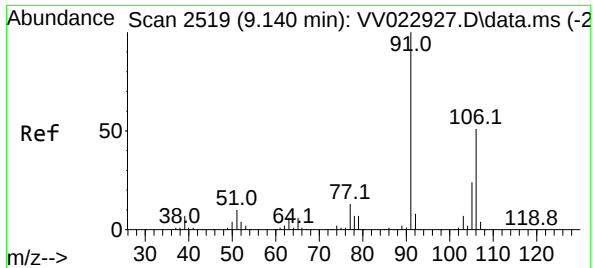
Tgt Ion: 43	Resp: 9659
Ion Ratio	Lower Upper
43 100	
58 33.8	47.4 71.0#
57 33.9	15.3 22.9#
100 3.5	10.4 15.6#



#49
Dibromochloromethane
Concen: 9.052 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

Tgt Ion: 129	Resp: 63400
Ion Ratio	Lower Upper
129 100	
127 0.0	59.1 109.9#

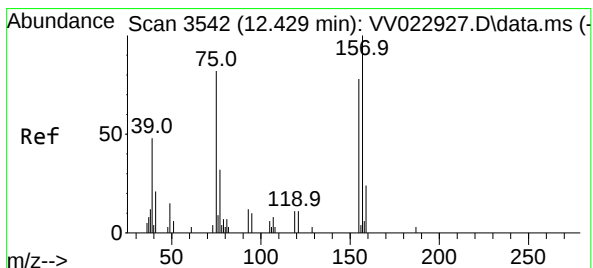
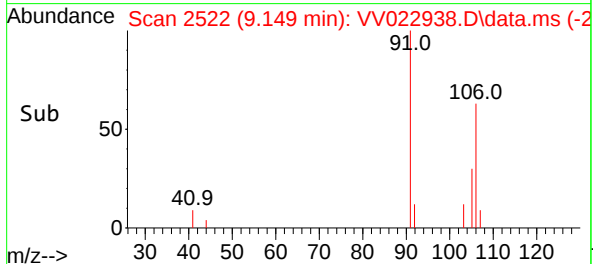
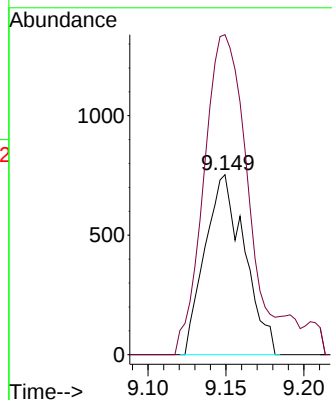
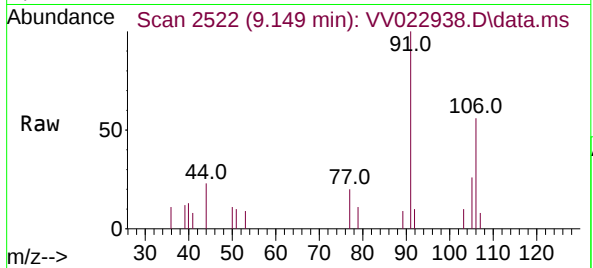




#53
m,p-xylene
Concen: 0.098 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.010 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

Instrument :
MSVOA_V
ClientSampled :
BFG91

Tgt Ion:106 Resp: 1329
Ion Ratio Lower Upper
106 100
91 177.8 138.7 257.5



#68
1,2-Dibromo-3-chloropropane
Concen: 0.424 ug/L
RT: 12.249 min Scan# 3486
Delta R.T. -0.180 min
Lab File: VV022938.D
Acq: 20 Oct 2021 17:42

Tgt Ion: 75 Resp: 304
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#

