

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022875.D
 Acq On : 18 Oct 2021 18:39
 Operator : SY/MD
 Sample : M4200-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGD7

Quant Time: Oct 19 01:45:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 01:43:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	108998	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	124270	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	60333	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	35420	4.723	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.568	69	28695	4.258	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.108	63	45471	3.091	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.800%
20) 2-Butanone-d5	3.889	46	90275	45.911	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.820%
24) Chloroform-d	4.352	84	79328	5.133	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	5.034	65	39348	5.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.053	84	152252	4.116	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.072	67	47601	4.345	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.800%
41) Toluene-d8	7.317	98	133596	4.177	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	7.625	79	15517	4.270	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.092	63	75297	51.411	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.820%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	41039	5.530	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	60633	5.420	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	4699	0.570	ug/L	92
8) Chloroethane	1.311	64	1894	0.371	ug/L	93
12) 1,1-Dichloroethene	2.111	96	551	0.084	ug/L #	1
13) Acetone	2.182	43	1386	1.264	ug/L	88
17) Methyl tert-butyl Ether	2.770	73	11627	0.730	ug/L	98
19) 1,1-Dichloroethane	3.195	63	16963	1.315	ug/L	97
22) cis-1,2-Dichloroethene	3.912	96	39815	5.296	ug/L	95
25) Chloroform	4.378	83	7711	0.516	ug/L	97
34) Trichloroethene	5.921	95	7107	0.781	ug/L	89
35) Methylcyclohexane	6.072	83	12146	0.953	ug/L #	16
37) 1,2-Dichloropropane	6.072	63	5513	0.685	ug/L #	84
42) Toluene	7.400	91	4691	0.138	ug/L	100
47) Tetrachloroethene	7.979	164	27643	3.755	ug/L	99
48) 2-Hexanone	8.092	43	8698	2.750	ug/L #	67
49) Dibromochloromethane	7.979	129	24668	3.528	ug/L #	7
53) m,p-xylene	9.149	106	1096	0.081	ug/L	64
61) 1,2,3-Trichloropropane	11.249	75	6545	1.561	ug/L #	63
68) 1,2-Dibromo-3-chloropr...	12.262	75	66	0.087	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 01:43:03 2021
Response via : Initial Calibration

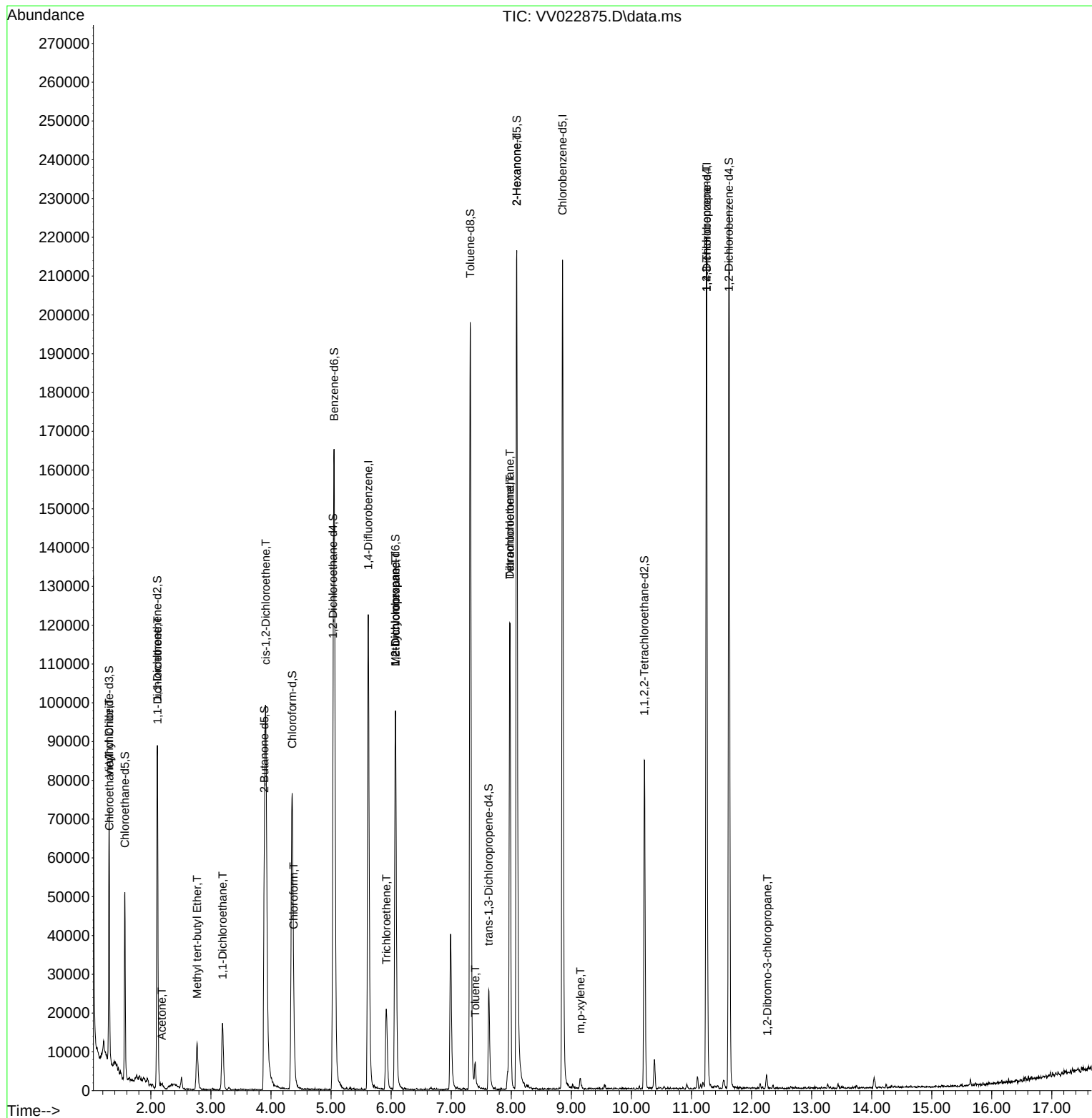
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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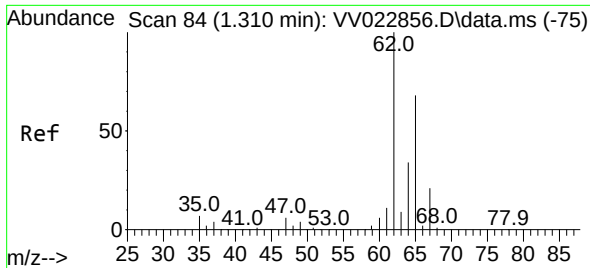
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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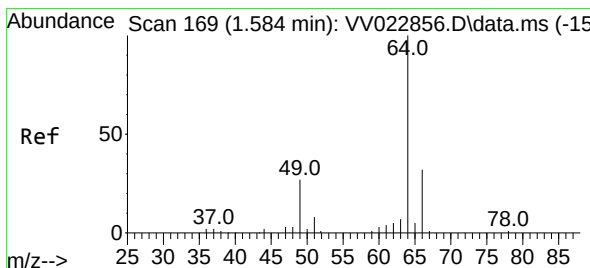
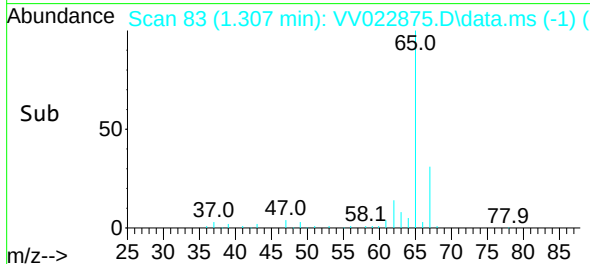
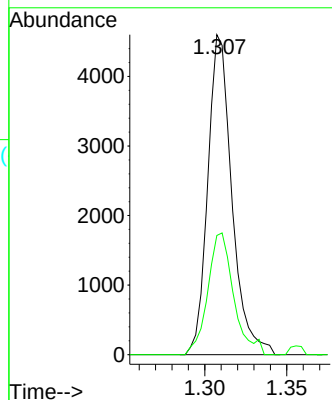
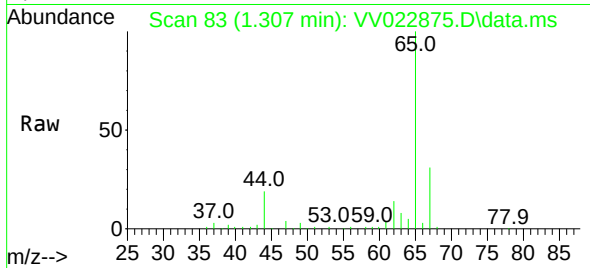




#5
 Vinyl chloride
 Concen: 0.570 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.003 min
 Lab File: VV022875.D
 Acq: 18 Oct 2021 18:39

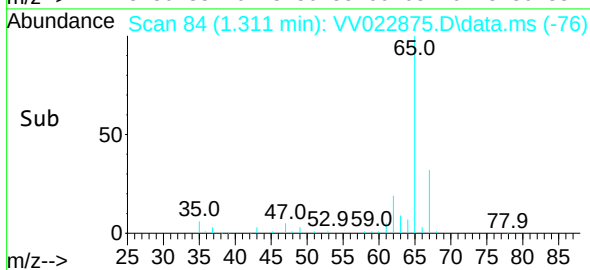
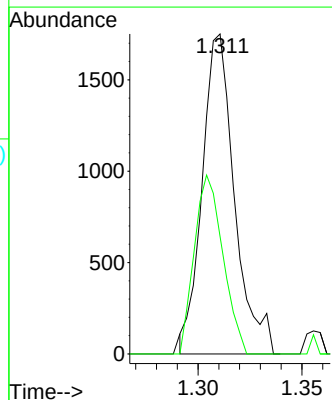
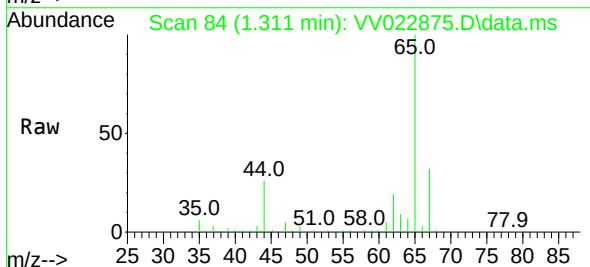
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGD7

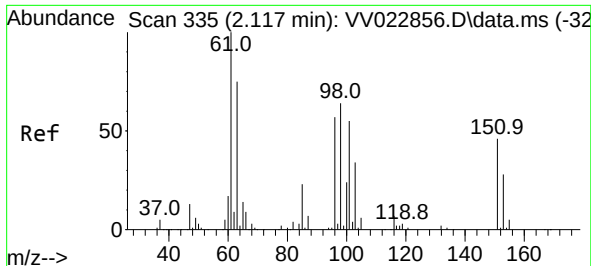
Tgt Ion: 62 Resp: 4699
 Ion Ratio Lower Upper
 62 100
 64 37.3 23.0 42.8



#8
 Chloroethane
 Concen: 0.371 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.273 min
 Lab File: VV022875.D
 Acq: 18 Oct 2021 18:39

Tgt Ion: 64 Resp: 1894
 Ion Ratio Lower Upper
 64 100
 66 36.7 22.9 42.5

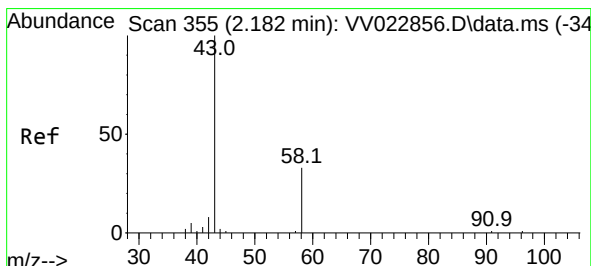
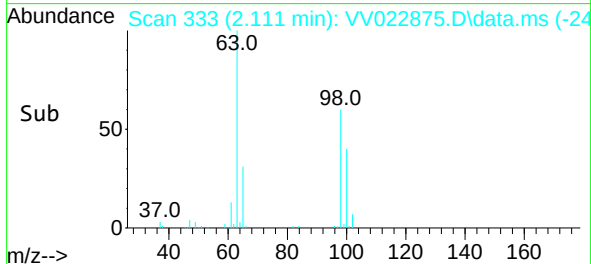
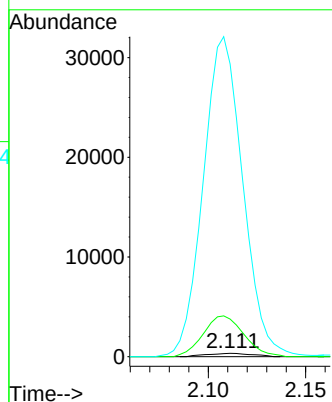
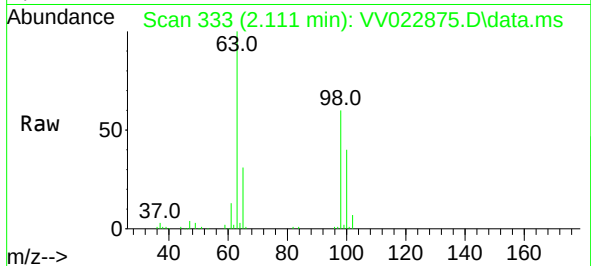




#12
1,1-Dichloroethene
Concen: 0.084 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

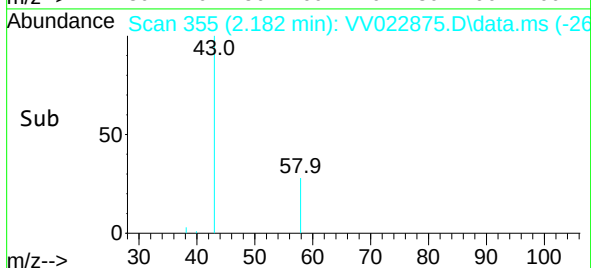
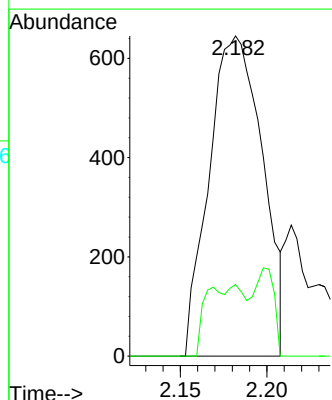
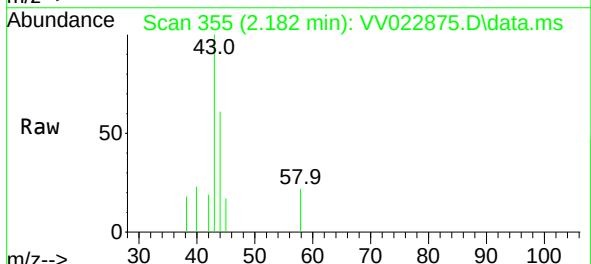
Instrument :
MSVOA_V
ClientSampleId :
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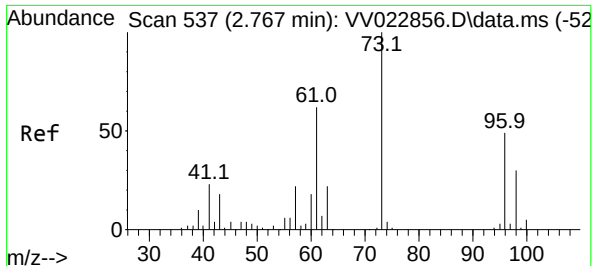
Tgt Ion: 96 Resp: 551
Ion Ratio Lower Upper
96 100
61 1098.8 127.3 236.5#
63 8532.6 106.2 197.2#



#13
Acetone
Concen: 1.264 ug/L
RT: 2.182 min Scan# 355
Delta R.T. 0.000 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
58 7.3 0.0 24.2

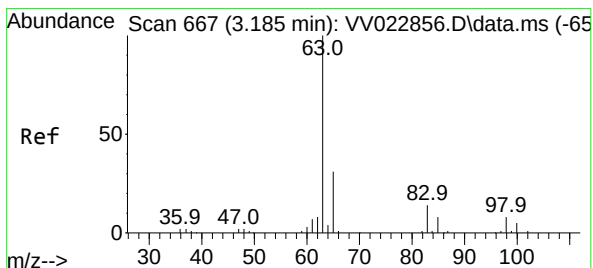
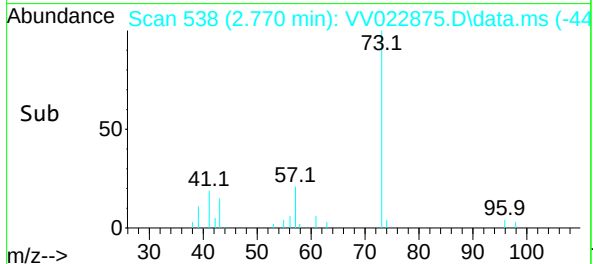
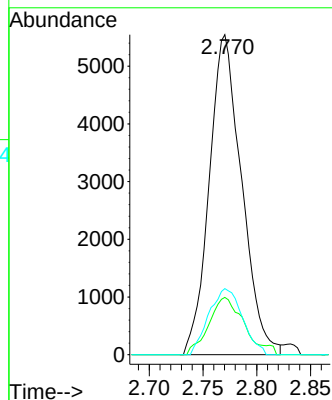
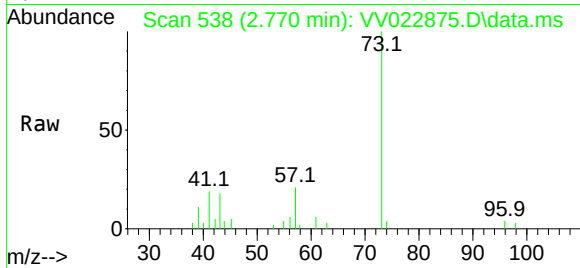




#17
Methyl tert-butyl Ether
Concen: 0.730 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

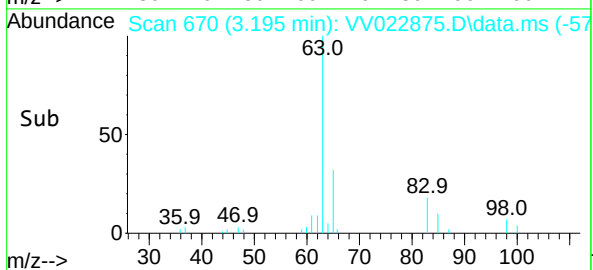
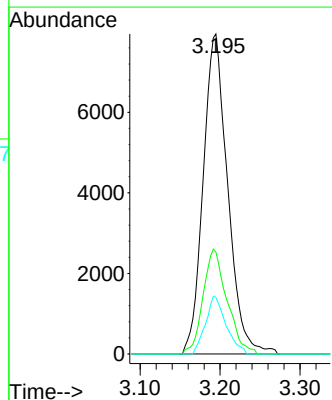
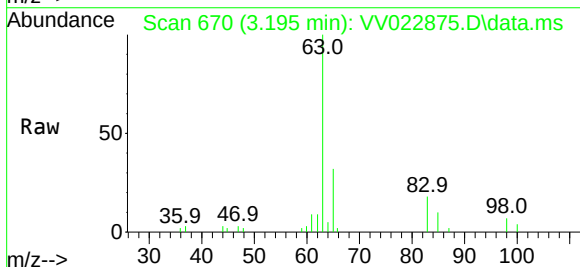
Instrument :
MSVOA_V
ClientSampleId :
BFGD7

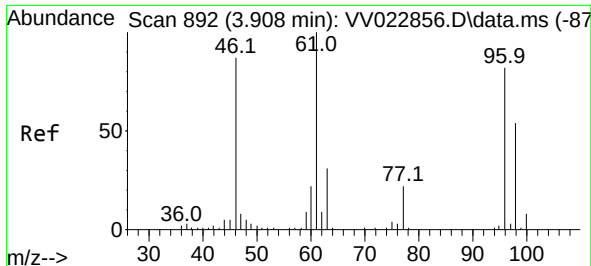
Tgt Ion: 73	Resp: 11627
Ion Ratio	Lower Upper
73 100	
43 19.5	17.1 25.7
57 21.5	17.2 25.8



#19
1,1-Dichloroethane
Concen: 1.315 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.010 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

Tgt Ion: 63	Resp: 16963
Ion Ratio	Lower Upper
63 100	
65 33.4	23.5 43.7
83 17.7	10.1 18.7

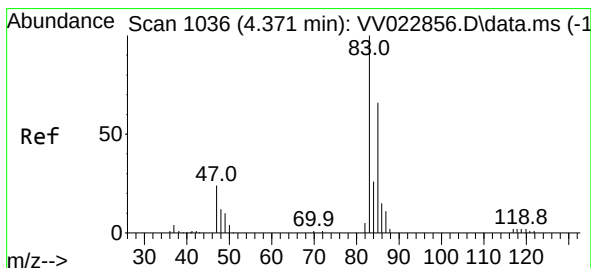
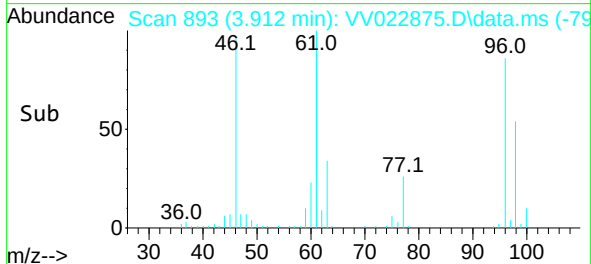
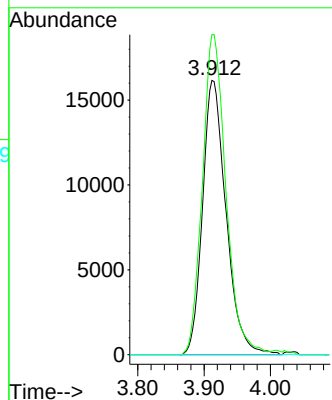
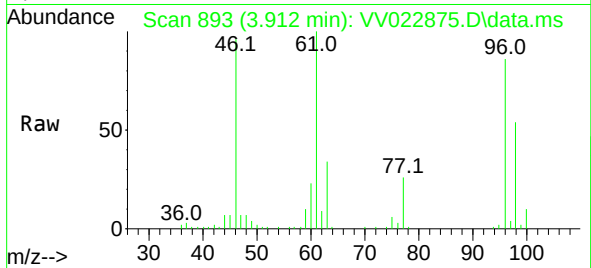




#22
cis-1,2-Dichloroethene
Concen: 5.296 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

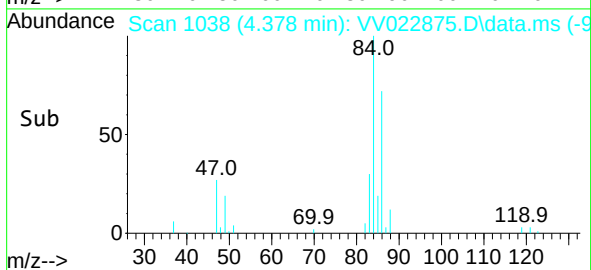
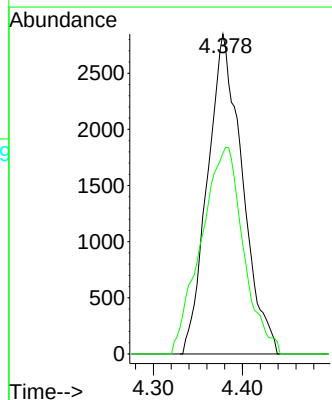
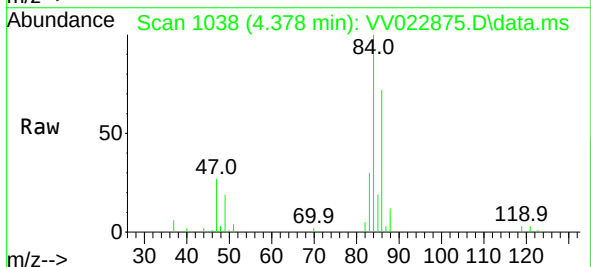
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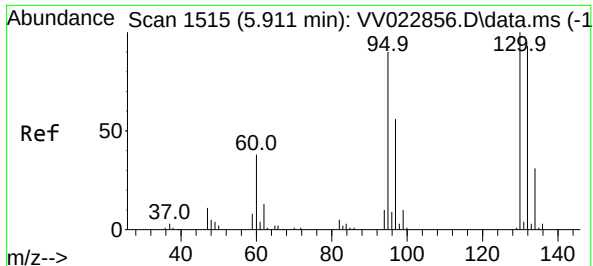
Tgt Ion: 96 Resp: 39815
Ion Ratio Lower Upper
96 100
61 116.7 86.0 159.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.516 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

Tgt Ion: 83 Resp: 7711
Ion Ratio Lower Upper
83 100
85 62.8 45.7 84.9





#34

Trichloroethene

Concen: 0.781 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.010 min

Lab File: VV022875.D

Acq: 18 Oct 2021 18:39

Tgt Ion: 95 Resp: 7107

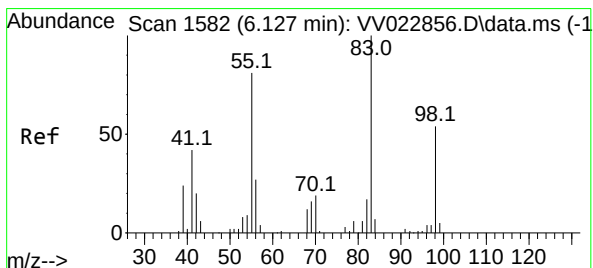
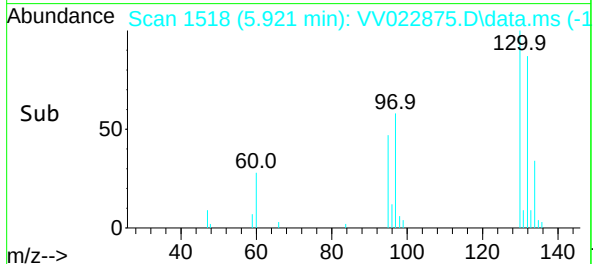
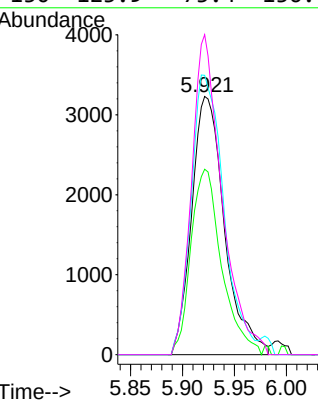
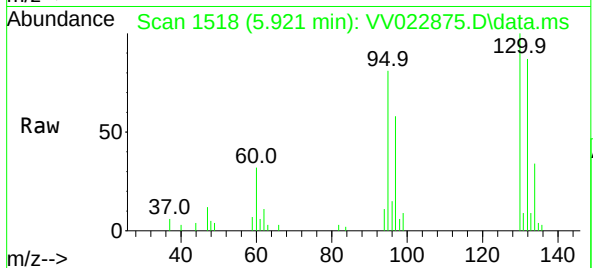
Ion Ratio Lower Upper

95 100

97 71.8 45.8 85.2

132 108.2 72.2 134.0

130 123.9 73.4 136.4



#35

Methylcyclohexane

Concen: 0.953 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.054 min

Lab File: VV022875.D

Acq: 18 Oct 2021 18:39

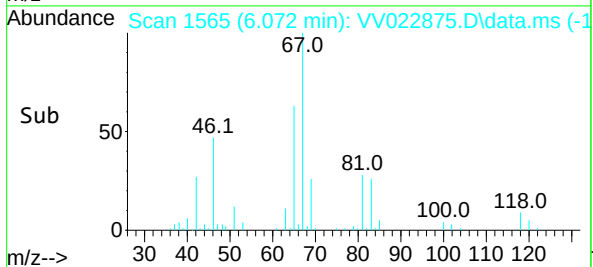
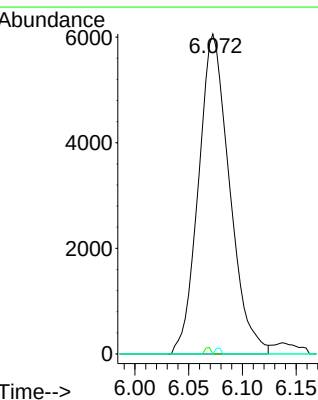
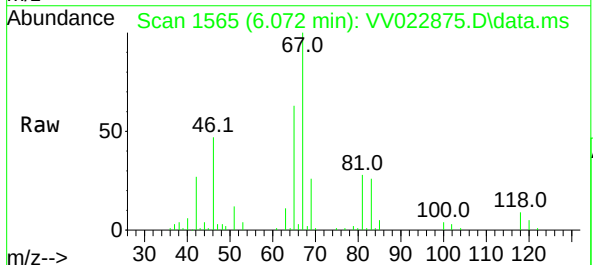
Tgt Ion: 83 Resp: 12146

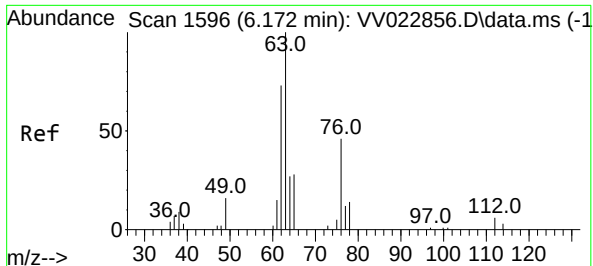
Ion Ratio Lower Upper

83 100

55 0.4 63.8 95.6#

98 0.3 42.1 63.1#

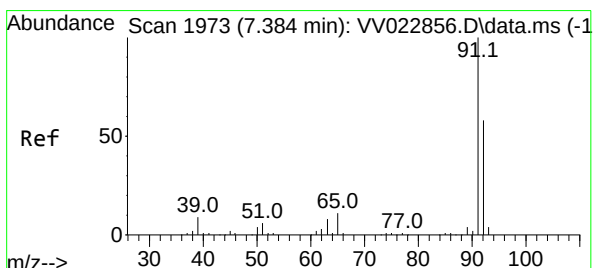
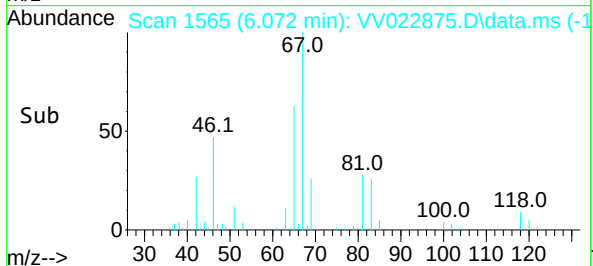
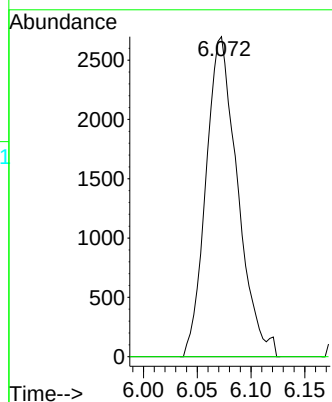
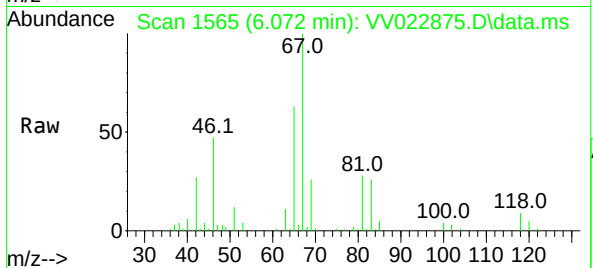




#37
1,2-Dichloropropane
Concen: 0.685 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.099 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

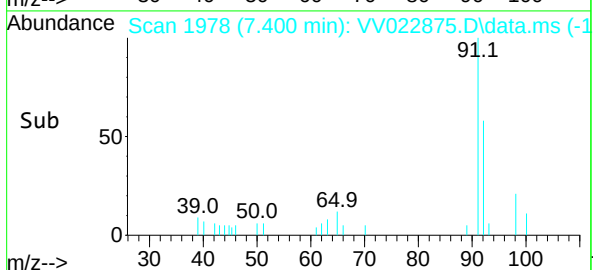
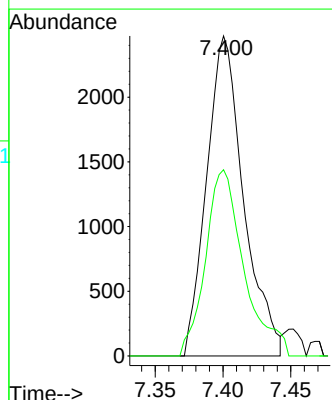
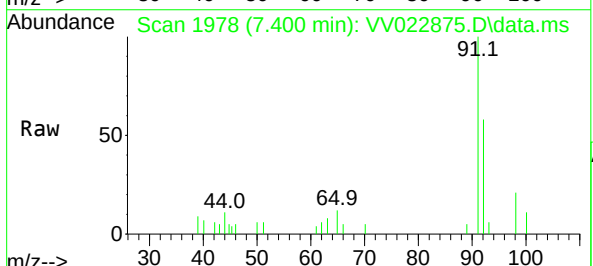
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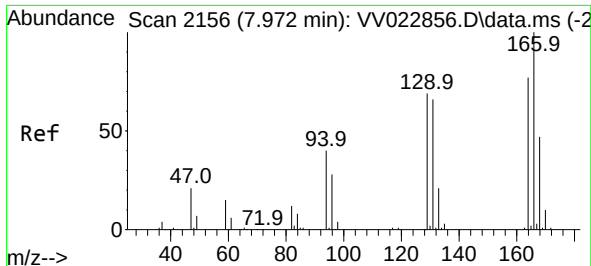
Tgt Ion: 63 Resp: 5513
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#42
Toluene
Concen: 0.138 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.016 min
Lab File: VV022875.D
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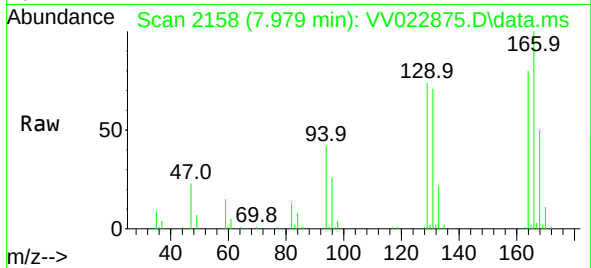
Tgt Ion: 91 Resp: 4691
Ion Ratio Lower Upper
91 100
92 58.2 40.7 75.7



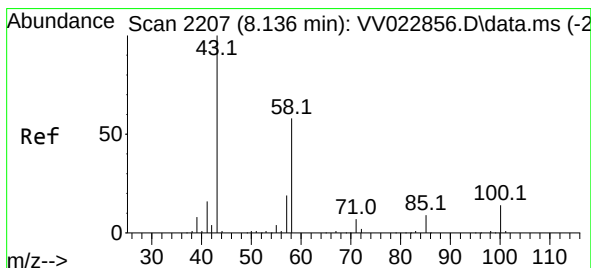
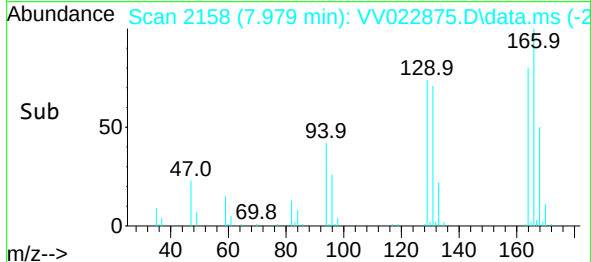
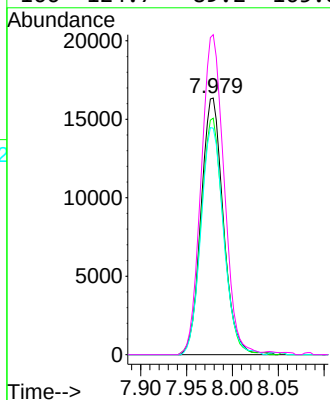


#47
Tetrachloroethene
Concen: 3.755 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.007 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

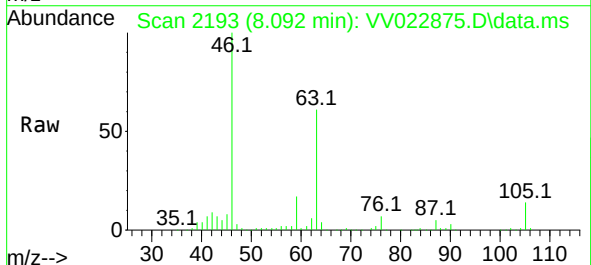
Instrument :
MSVOA_V
ClientSampleId :
BFGD7



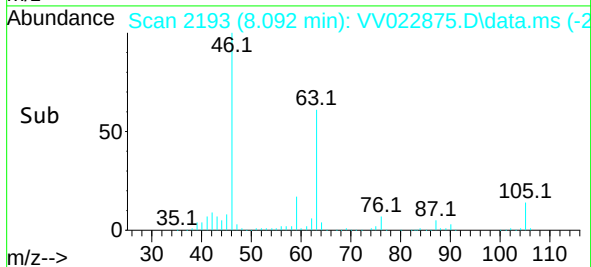
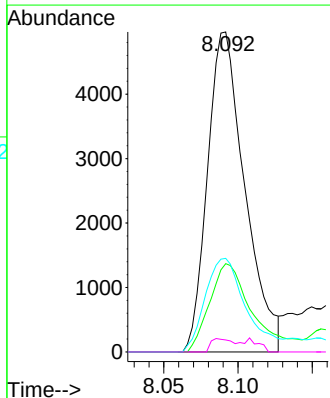
Tgt Ion	Ratio	Lower	Upper
164	100		
129	92.1	65.0	120.6
131	88.3	62.2	115.4
166	124.7	89.2	165.8

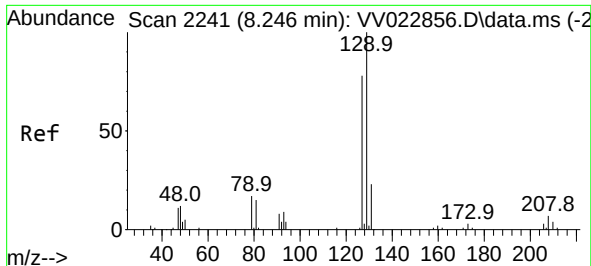


#48
2-Hexanone
Concen: 2.750 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.045 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39



Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	47.4	71.0#
57	32.1	15.3	22.9#
100	2.4	10.4	15.6#





#49

Dibromochloromethane

Concen: 3.528 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV022875.D

Acq: 18 Oct 2021 18:39

Tgt Ion:129 Resp: 24668

Ion Ratio Lower Upper

129 100

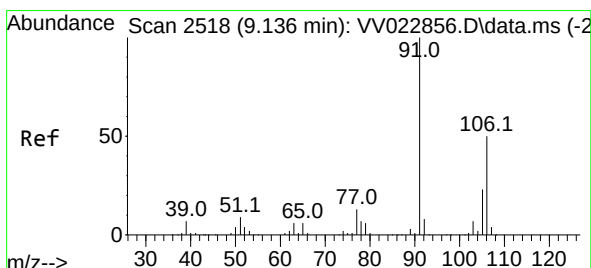
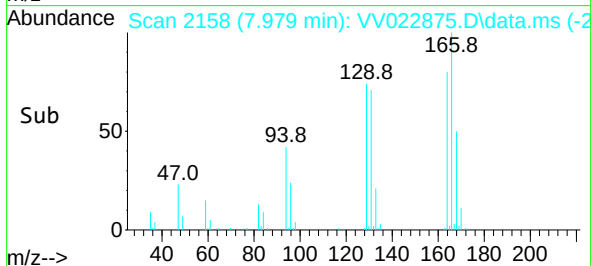
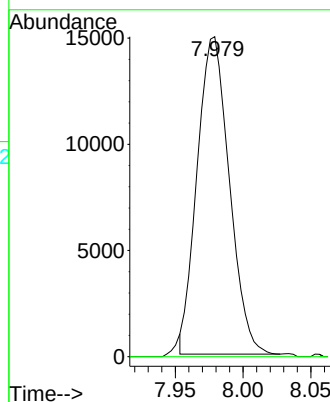
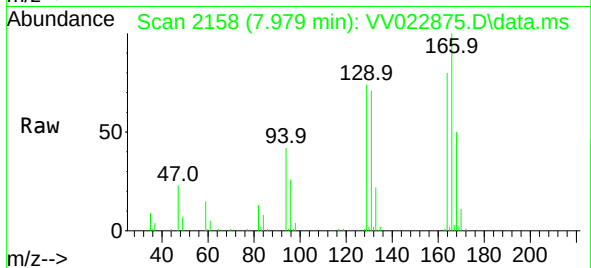
127 0.0 59.1 109.9#

Instrument :

MSVOA_V

ClientSampleId :

BFGD7



#53

m,p-xylene

Concen: 0.081 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.013 min

Lab File: VV022875.D

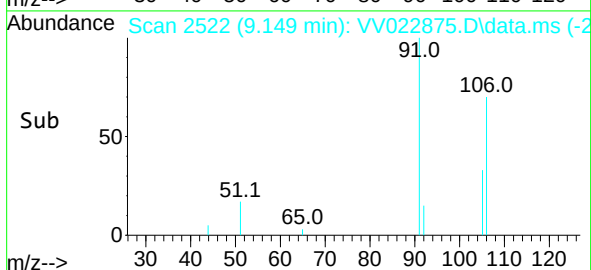
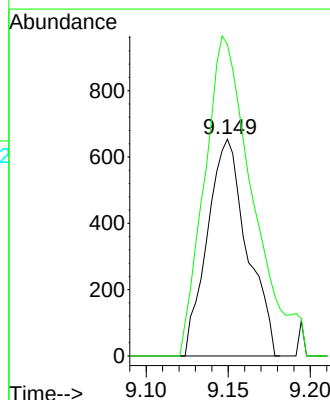
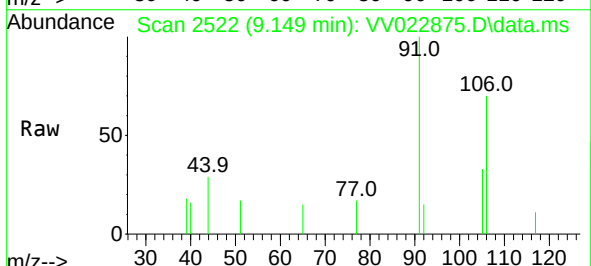
Acq: 18 Oct 2021 18:39

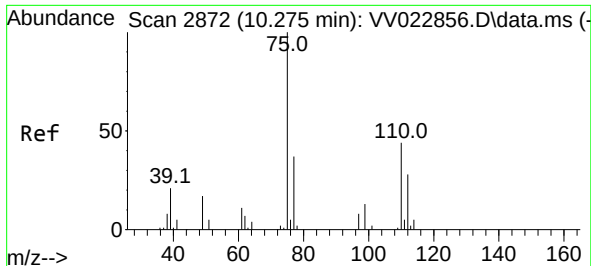
Tgt Ion:106 Resp: 1096

Ion Ratio Lower Upper

106 100

91 143.7 138.7 257.5

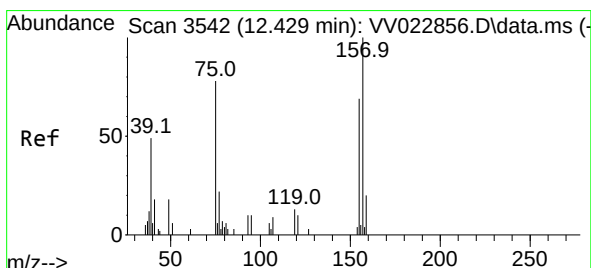
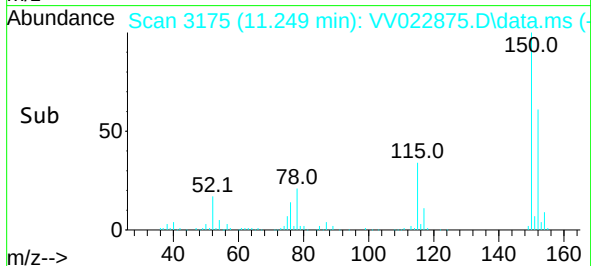
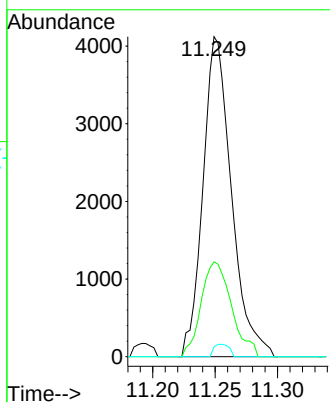
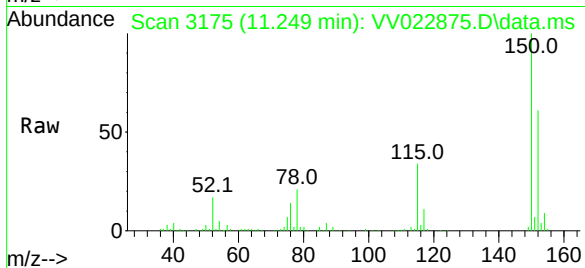




#61
1,2,3-Trichloropropane
Concen: 1.561 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

Instrument :
MSVOA_V
ClientSampleId :
BFGD7

Tgt Ion: 75 Resp: 6545
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
110 2.1 34.2 51.4#



#68
1,2-Dibromo-3-chloropropane
Concen: 0.087 ug/L
RT: 12.262 min Scan# 3490
Delta R.T. -0.167 min
Lab File: VV022875.D
Acq: 18 Oct 2021 18:39

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#

