

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012121\
 Data File : VW020121.D
 Acq On : 21 Jan 2021 22:02
 Operator : SY/MD
 Sample : M1181-15
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F1E34

Quant Time: Jan 22 06:47:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM012121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 22 06:43:18 2021
 Response via : Initial Calibration

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

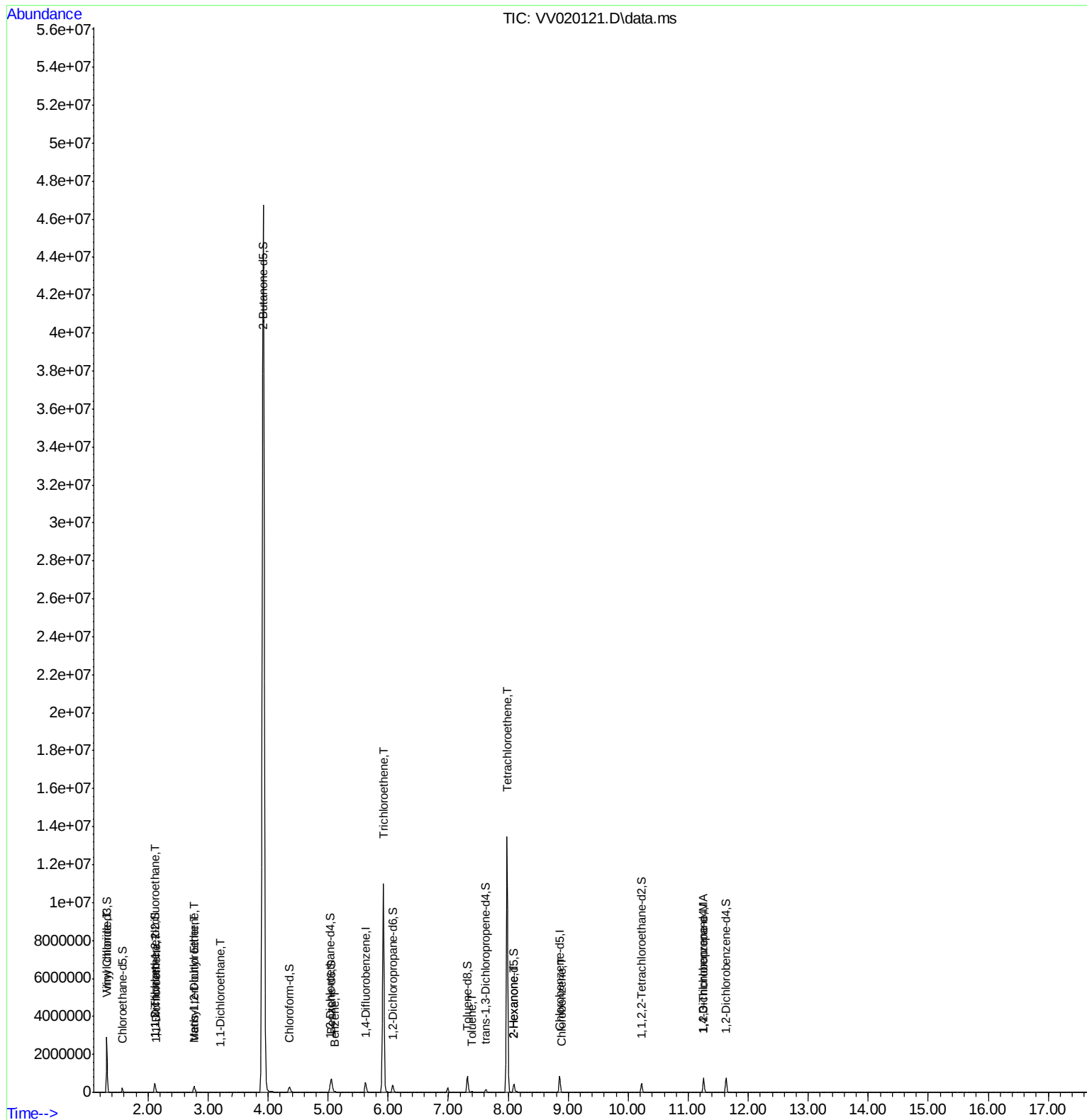
Internal Standards						
1) 1,4-Difluorobenzene	5.621	114	410404	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.855	117	450437	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.257	152	177221	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.309	65	170843	56.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 112.26%			
7) Chloroethane-d5	1.570	69	134899	52.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.88%			
11) 1,1-Dichloroethene-d2	2.110	63	245934	40.45	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.90%			
21) 2-Butanone-d5	3.907	46	239977	114.96	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 114.96%			
24) Chloroform-d	4.354	84	266407	46.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.44%			
26) 1,2-Dichloroethane-d4	5.036	65	208978	52.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.76%			
32) Benzene-d6	5.055	84	573603	46.24	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.48%			
36) 1,2-Dichloropropane-d6	6.074	67	176003	44.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 89.88%			
41) Toluene-d8	7.318	98	550904	47.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.48%			
43) trans-1,3-Dichloroprop...	7.624	79	87913	45.88	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.76%			
47) 2-Hexanone-d5	8.090	63	142548	87.57	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 87.57%			
57) 1,1,2,2-Tetrachloroeth...	10.222	84	211161	39.39	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 78.78%			
64) 1,2-Dichlorobenzene-d4	11.633	152	178407	53.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.14%			
Target Compounds						
5) Vinyl chloride	1.312	62	1547131	435.16	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.110	101	2259	0.78	ug/L #	23
12) 1,1-Dichloroethene	2.123	96	25917	9.29	ug/L #	1
17) trans-1,2-Dichloroethene	2.766	96	97396	35.16	ug/L	99
18) Methyl tert-butyl Ether	2.772	73	63512	7.08	ug/L	97
19) 1,1-Dichloroethane	3.203	63	4530	0.86	ug/L	100
33) Benzene	5.113	78	39194	2.90	ug/L	100
34) Trichloroethene	5.920	95	3565442	931.62	ug/L	98
42) Toluene	7.396	91	44236	3.08	ug/L	99
46) Tetrachloroethene	7.981	164	2823347	988.30	ug/L	98
48) 2-Hexanone	8.090	43	19275	4.70	ug/L #	78
51) Chlorobenzene	8.888	112	8991	0.95	ug/L	97
59) 1,2,3-Trichloropropane	11.254	75	24798	5.31	ug/L	90

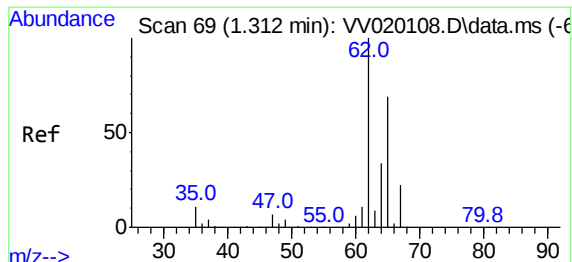
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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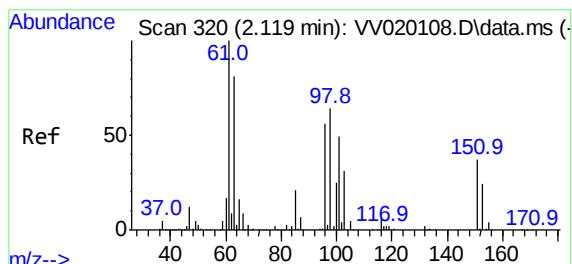
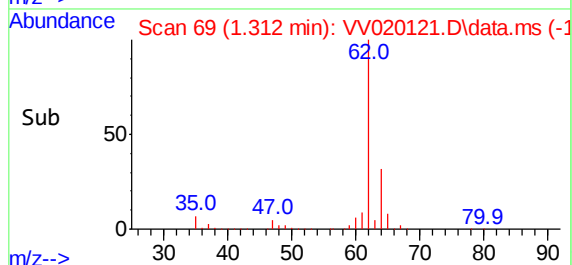
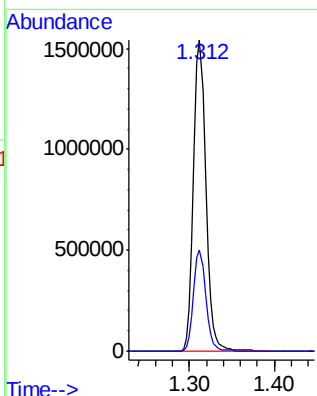
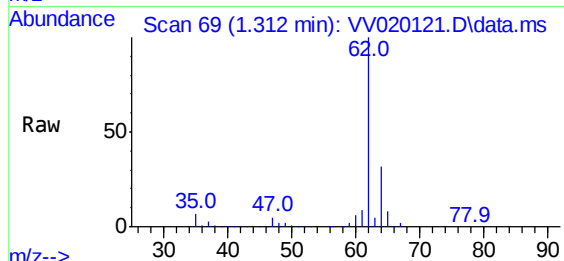


#5
 Vinyl chloride
 Concen: 435.16 ug/L
 RT: 1.312 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: VV020121.D
 Acq: 21 Jan 2021 22:02

Instrument :
 MSVOA_V
 ClientSampleId :
 F1E34

Tgt Ion: 62 Resp: 1547131

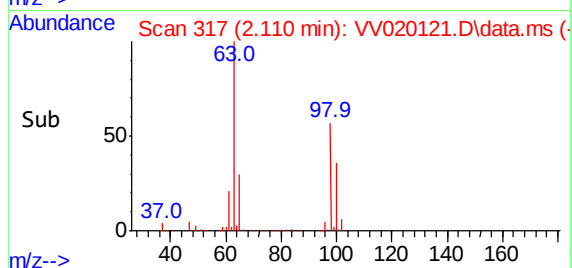
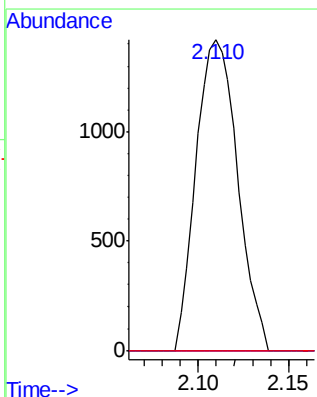
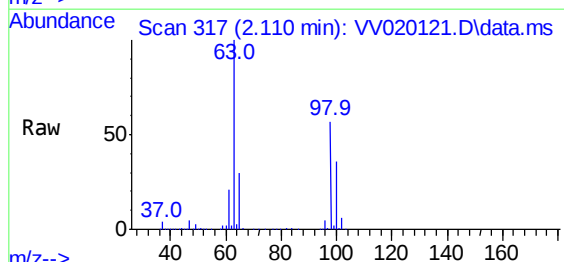
Ion	Ratio	Lower	Upper
62	100		
64	32.3	23.0	42.6

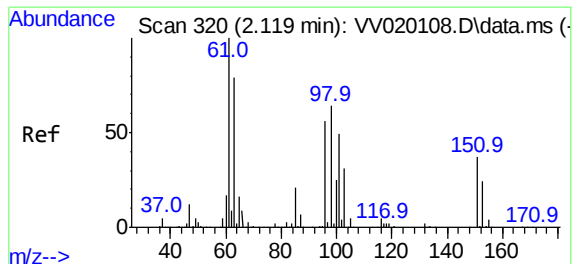


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.78 ug/L
 RT: 2.110 min Scan# 317
 Delta R.T. -0.010 min
 Lab File: VV020121.D
 Acq: 21 Jan 2021 22:02

Tgt Ion:101 Resp: 2259

Ion	Ratio	Lower	Upper
101	100		
85	0.0	35.3	52.9#
151	0.0	53.6	80.4#

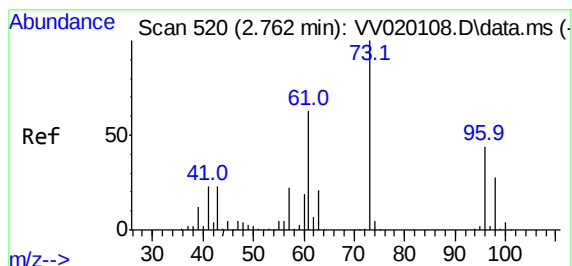
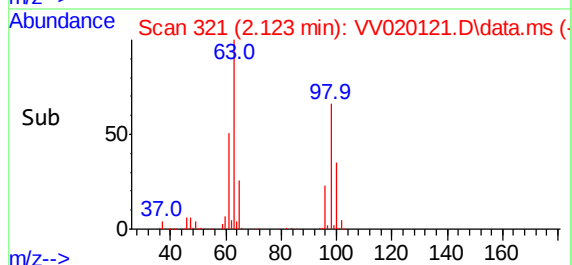
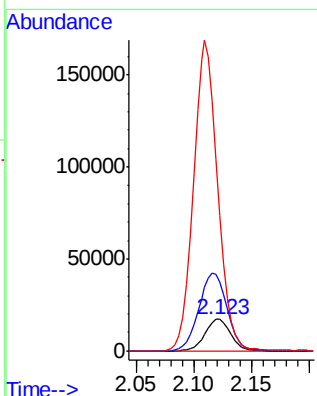
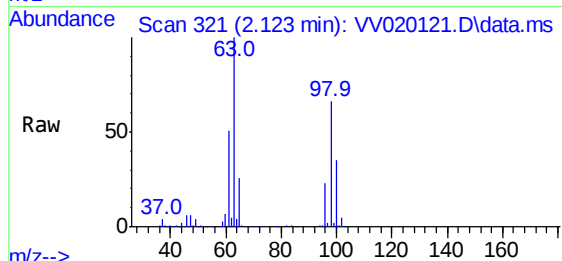




#12
1,1-Dichloroethene
Concen: 9.29 ug/L
RT: 2.123 min Scan# 321
Delta R.T. 0.003 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

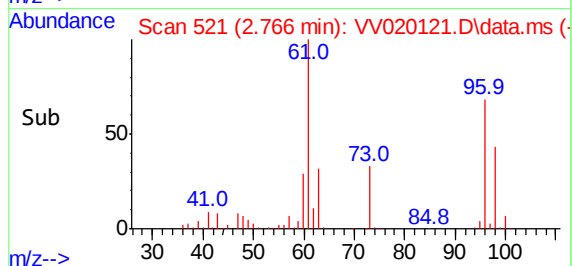
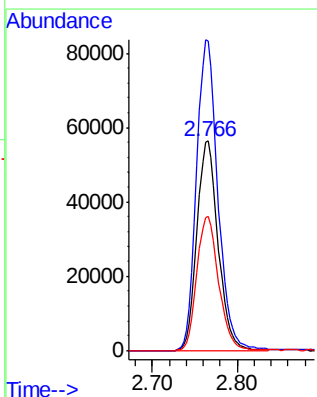
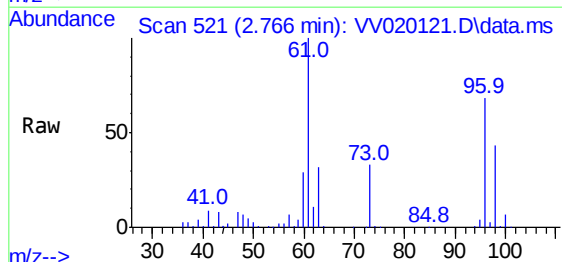
Instrument :
MSVOA_V
ClientSampled :
F1E34

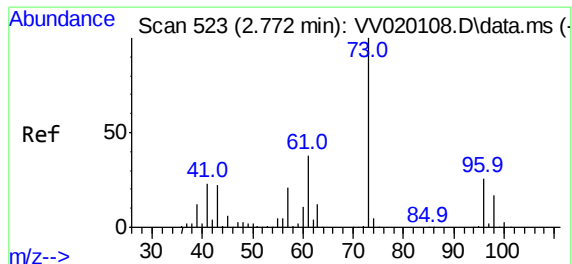
Tgt Ion: 96 Resp: 25917
Ion Ratio Lower Upper
96 100
61 219.9 134.9 250.5
63 429.7 117.6 218.4#



#17
trans-1,2-Dichloroethene
Concen: 35.16 ug/L
RT: 2.766 min Scan# 521
Delta R.T. 0.003 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

Tgt Ion: 96 Resp: 97396
Ion Ratio Lower Upper
96 100
61 147.7 103.1 191.5
98 64.1 43.1 80.1



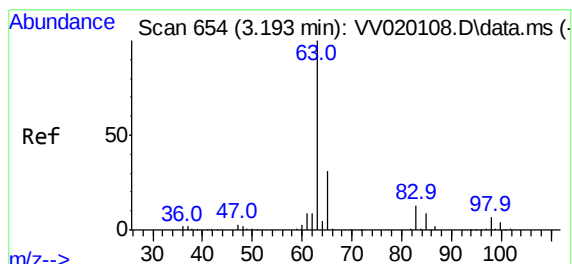
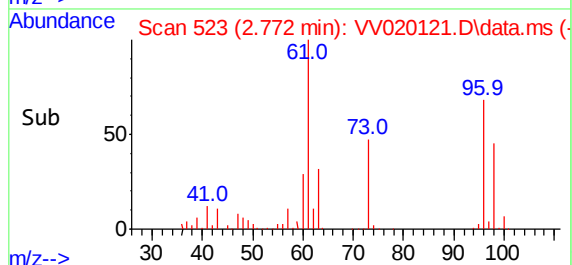
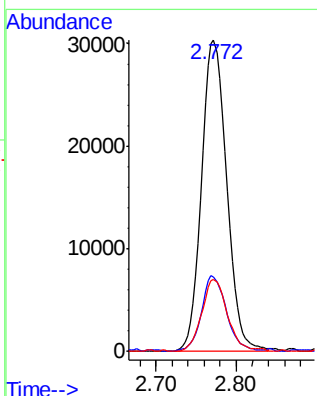
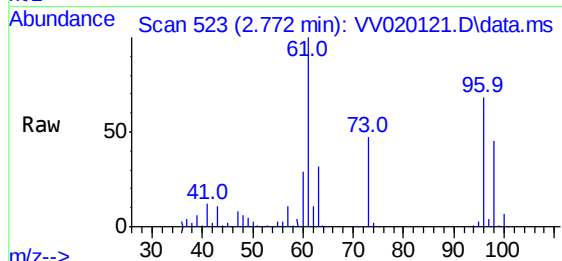


#18
Methyl tert-butyl Ether
Concen: 7.08 ug/L
RT: 2.772 min Scan# 523
Delta R.T. 0.000 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

Instrument :
MSVOA_V
ClientSampleId :
F1E34

Tgt Ion: 73 Resp: 63512

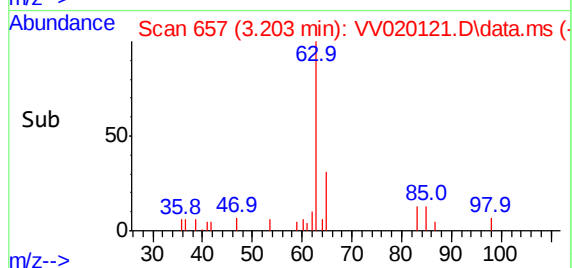
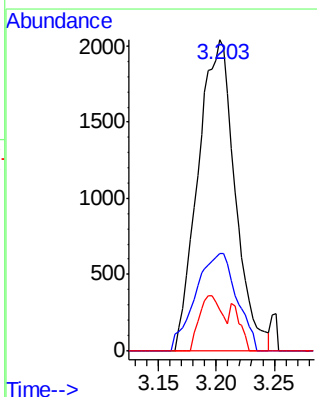
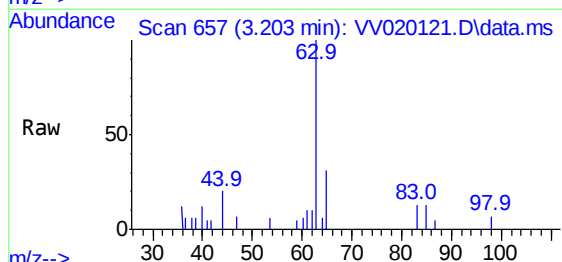
Ion	Ratio	Lower	Upper
73	100		
43	23.8	17.3	25.9
57	23.1	17.9	26.9

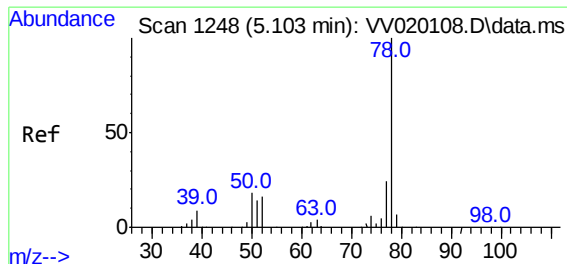


#19
1,1-Dichloroethane
Concen: 0.86 ug/L
RT: 3.203 min Scan# 657
Delta R.T. 0.010 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

Tgt Ion: 63 Resp: 4530

Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.9	40.7
83	13.2	9.5	17.7

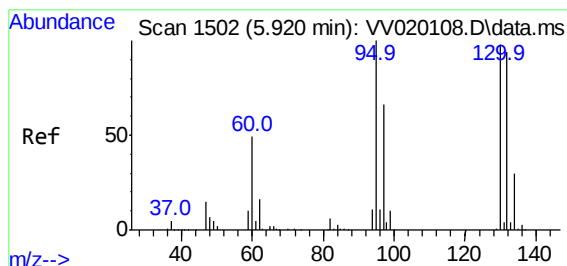
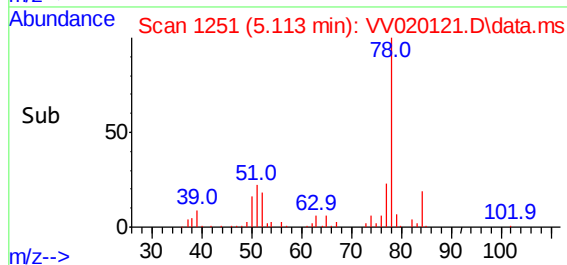
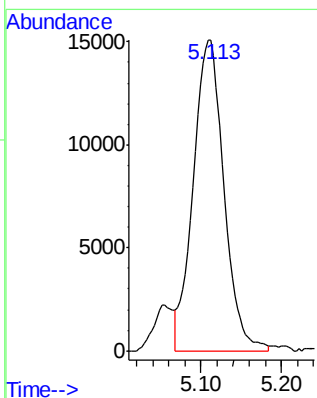
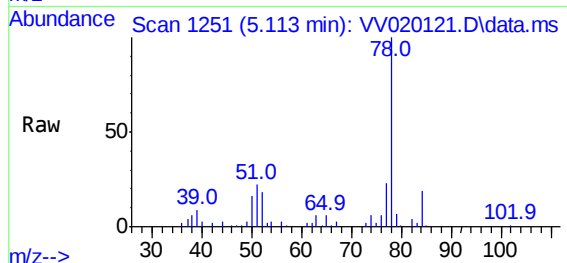




#33
Benzene
Concen: 2.90 ug/L
RT: 5.113 min Scan# 1251
Delta R.T. 0.010 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

Instrument :
MSVOA_V
ClientSampled :
F1E34

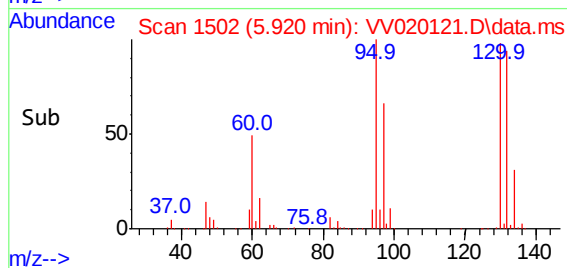
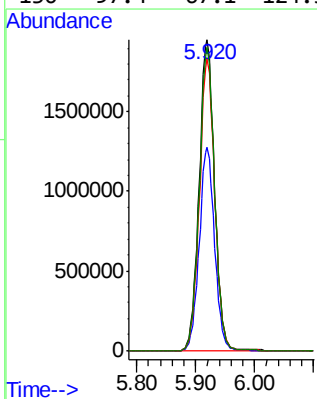
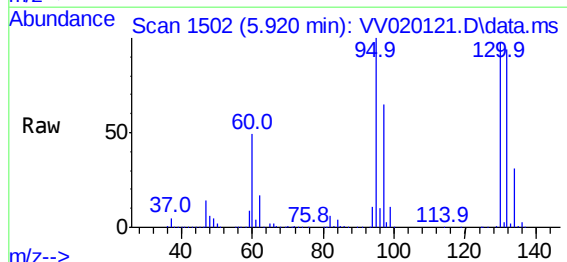
Tgt Ion: 78 Resp: 39194

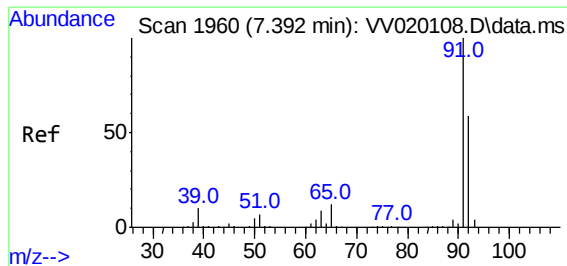


#34
Trichloroethene
Concen: 931.62 ug/L
RT: 5.920 min Scan# 1502
Delta R.T. 0.000 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

Tgt Ion: 95 Resp: 3565442

Ion	Ratio	Lower	Upper
95	100		
97	65.4	44.5	82.7
132	93.9	63.4	117.8
130	97.4	67.1	124.5

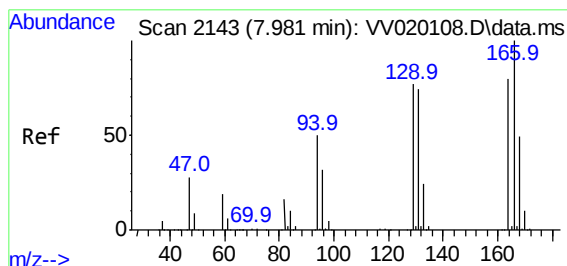
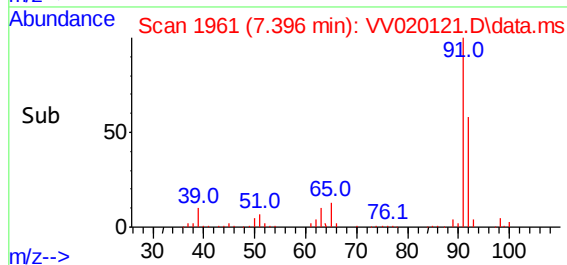
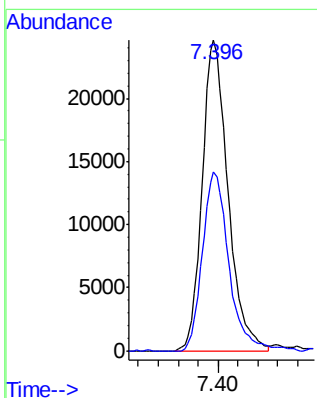
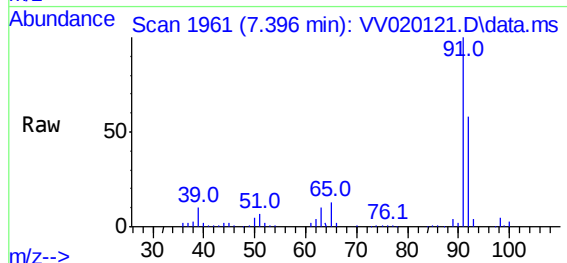




#42
Toluene
Concen: 3.08 ug/L
RT: 7.396 min Scan# 1961
Delta R.T. 0.003 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

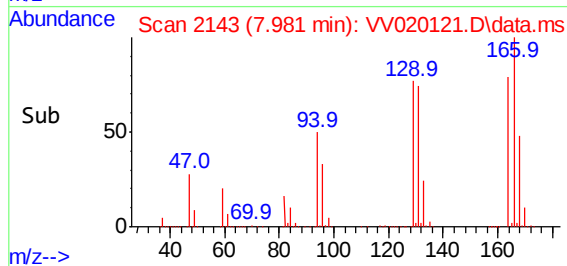
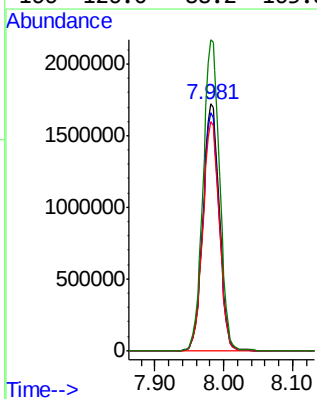
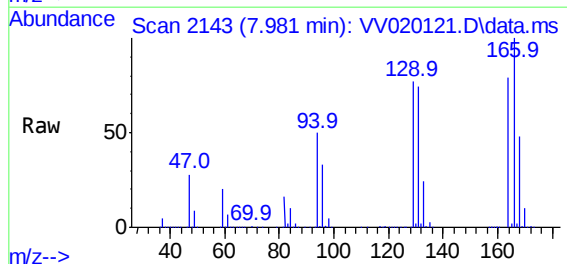
Instrument :
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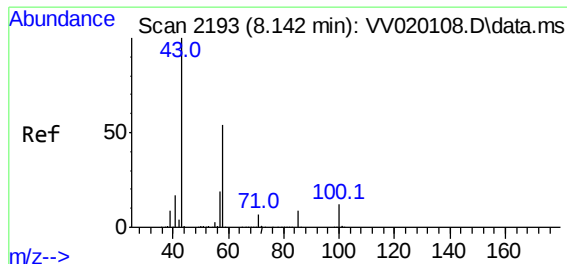
Tgt Ion: 91 Resp: 44236
Ion Ratio Lower Upper
91 100
92 57.8 40.7 75.7



#46
Tetrachloroethene
Concen: 988.30 ug/L
RT: 7.981 min Scan# 2143
Delta R.T. 0.000 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

Tgt Ion:164 Resp: 2823347
Ion Ratio Lower Upper
164 100
129 96.6 70.6 131.0
131 92.9 66.8 124.0
166 126.0 88.2 163.8



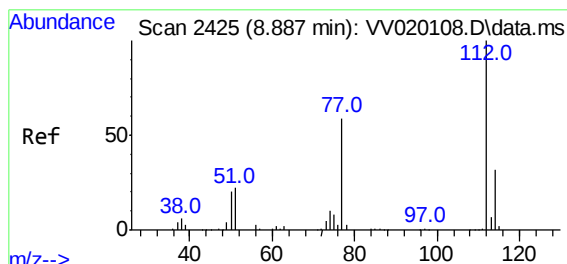
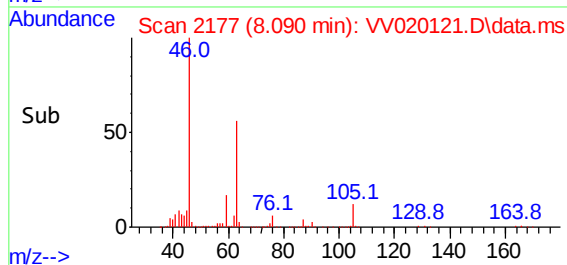
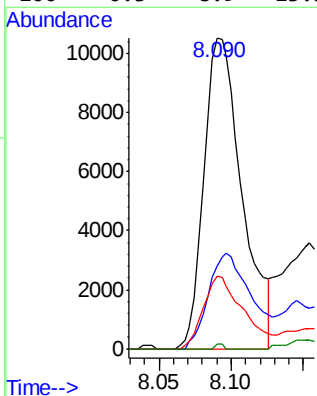
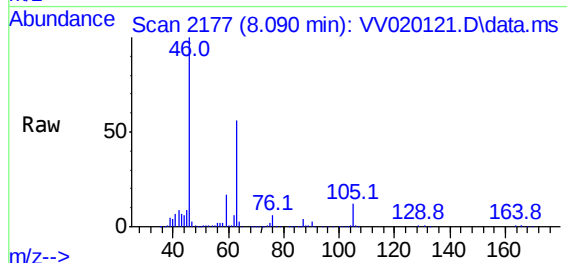


#48
2-Hexanone
Concen: 4.70 ug/L
RT: 8.090 min Scan# 2177
Delta R.T. -0.051 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 43 Resp: 19275

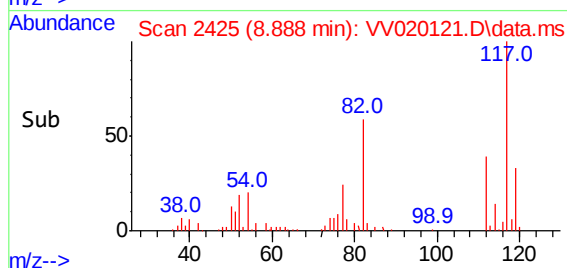
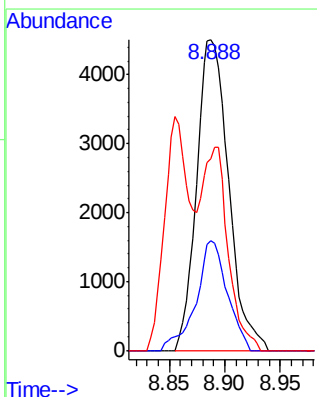
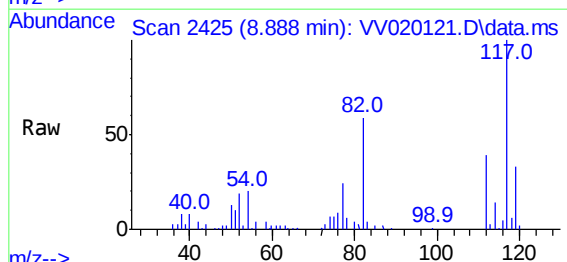
Ion	Ratio	Lower	Upper
43	100		
58	34.9	41.8	62.6#
57	24.5	15.0	22.4#
100	0.3	8.9	13.3#

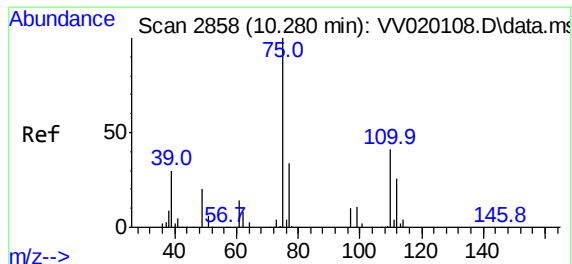


#51
Chlorobenzene
Concen: 0.95 ug/L
RT: 8.888 min Scan# 2425
Delta R.T. 0.000 min
Lab File: VV020121.D
Acq: 21 Jan 2021 22:02

Tgt Ion: 112 Resp: 8991

Ion	Ratio	Lower	Upper
112	100		
114	35.2	22.2	41.2
77	61.8	49.0	73.6





#59
 1,2,3-Trichloropropane
 Concen: 5.31 ug/L
 RT: 11.254 min Scan# 3161
 Delta R.T. 0.974 min
 Lab File: VV020121.D
 Acq: 21 Jan 2021 22:02

Instrument :
 MSVOA_V
 ClientSampleId :
 F1E34

Tgt Ion: 75 Resp: 24798
 Ion Ratio Lower Upper
 75 100
 77 37.3 25.4 38.0

