

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV012021\
 Data File : VV020090.D
 Acq On : 20 Jan 2021 20:54
 Operator : SY/MD
 Sample : M1181-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F1E28

Quant Time: Jan 20 23:43:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM012021WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 20 23:39:20 2021
 Response via : Initial Calibration

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

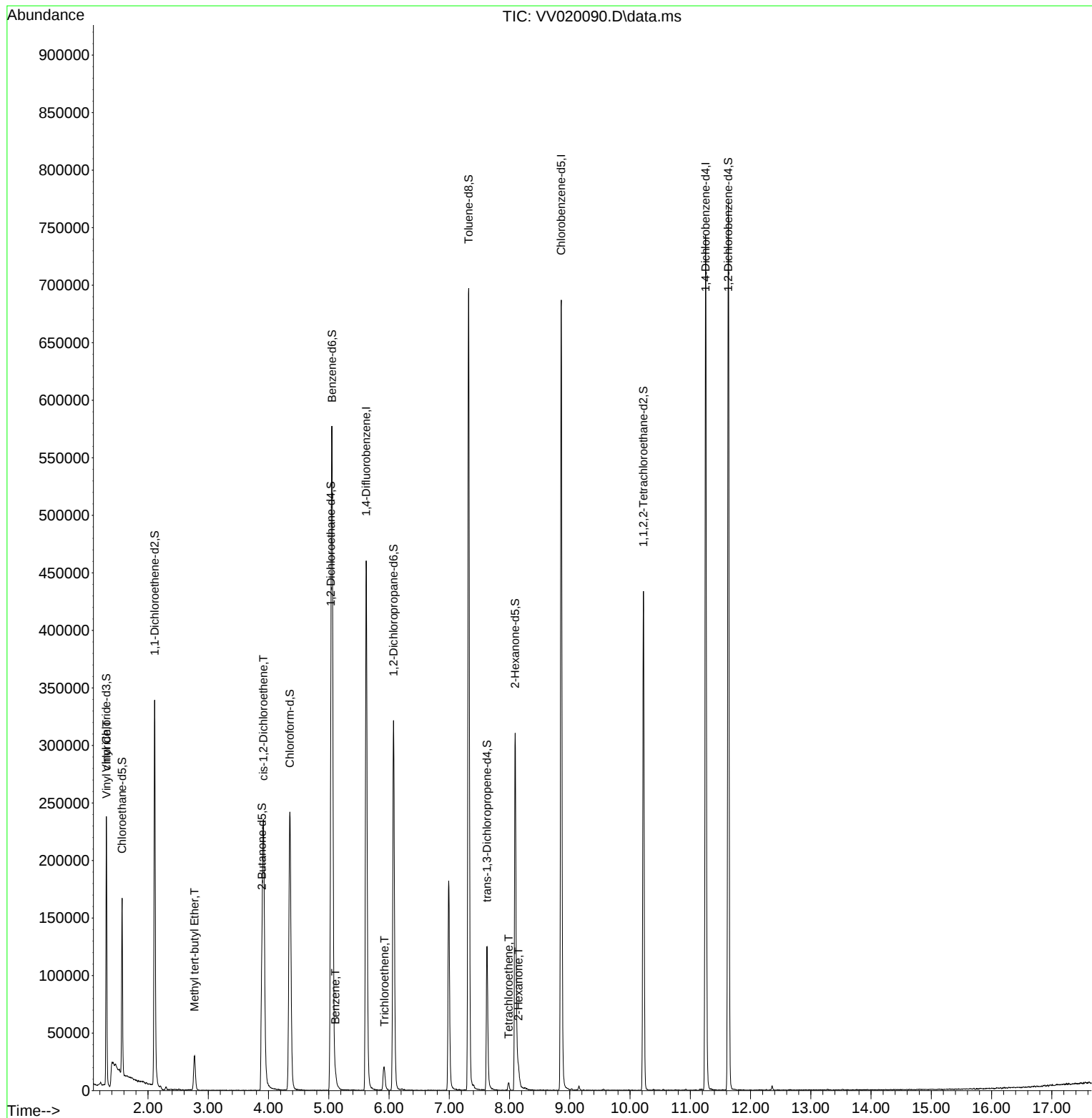
Internal Standards						
1) 1,4-Difluorobenzene	5.621	114	387742	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.859	117	374482	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.254	152	192049	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.309	65	118788	48.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.66%		
7) Chloroethane-d5	1.569	69	89350	47.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.30%		
11) 1,1-Dichloroethene-d2	2.110	63	176125	36.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.50%		
21) 2-Butanone-d5	3.891	46	156514	92.33	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.33%		
24) Chloroform-d	4.354	84	248204	45.69	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.38%		
26) 1,2-Dichloroethane-d4	5.036	65	173760	47.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.54%		
32) Benzene-d6	5.055	84	488671	49.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.70%		
36) 1,2-Dichloropropane-d6	6.074	67	145151	50.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.32%		
41) Toluene-d8	7.322	98	450267	48.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.62%		
43) trans-1,3-Dichloroprop...	7.627	79	72982	45.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.12%		
47) 2-Hexanone-d5	8.093	63	100951	84.49	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.49%		
57) 1,1,2,2-Tetrachloroeth...	10.222	84	195048	47.93	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.86%		
64) 1,2-Dichlorobenzene-d4	11.630	152	197955	52.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.32%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.312	62	29081	11.11	ug/L	88
18) Methyl tert-butyl Ether	2.772	73	26131	3.16	ug/L	98
20) cis-1,2-Dichloroethene	3.917	96	109775	39.45	ug/L	87
33) Benzene	5.109	78	11317	1.11	ug/L	100
34) Trichloroethene	5.926	95	3252	1.06	ug/L	90
46) Tetrachloroethene	7.984	164	1708	0.70	ug/L	87
48) 2-Hexanone	8.148	43	9821	3.63	ug/L #	41

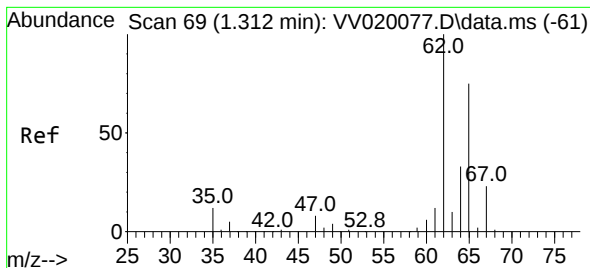
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jan 20 23:43:55 2021
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Quant Title : VOC Analysis
QLast Update : Wed Jan 20 23:39:20 2021
Response via : Initial Calibration

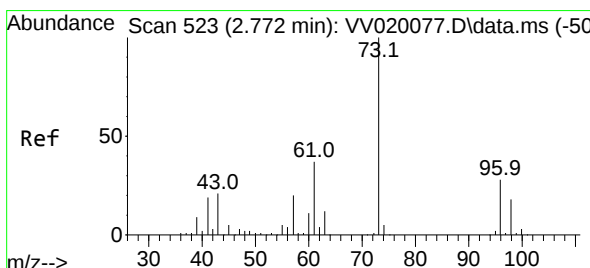
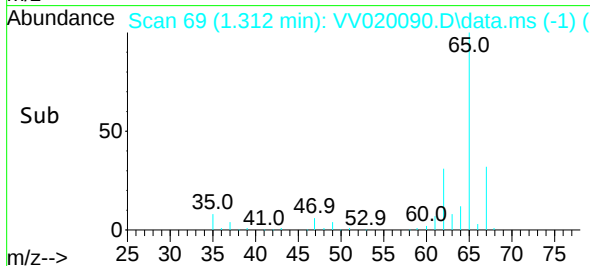
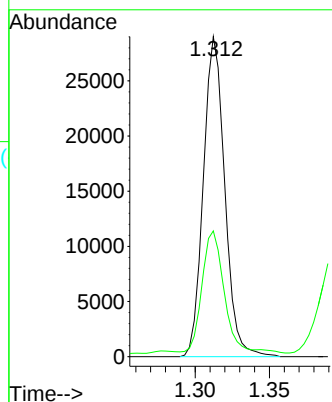
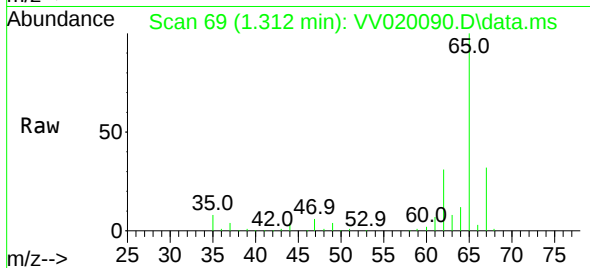




#5
 Vinyl chloride
 Concen: 11.11 ug/L
 RT: 1.312 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: VV020090.D
 Acq: 20 Jan 2021 20:54

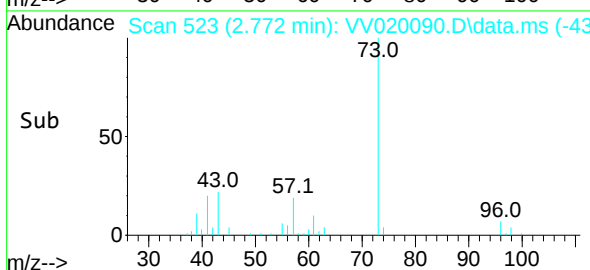
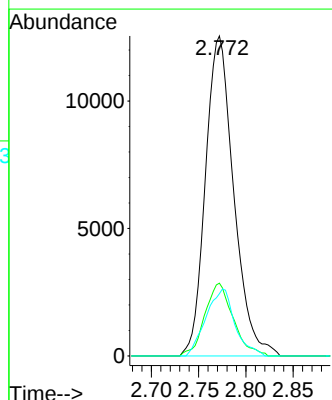
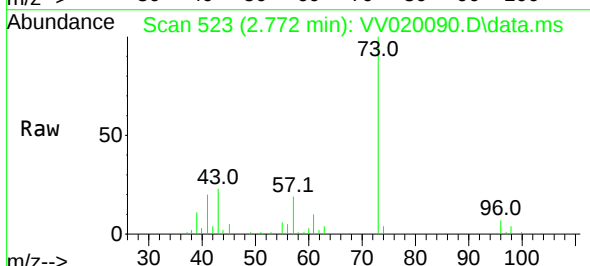
Instrument :
 MSVOA_V
 ClientSampled :
 F1E28

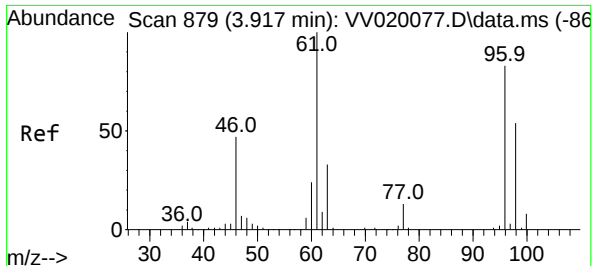
Tgt Ion: 62 Resp: 29081
 Ion Ratio Lower Upper
 62 100
 64 39.3 23.0 42.6



#18
 Methyl tert-butyl Ether
 Concen: 3.16 ug/L
 RT: 2.772 min Scan# 523
 Delta R.T. 0.000 min
 Lab File: VV020090.D
 Acq: 20 Jan 2021 20:54

Tgt Ion: 73 Resp: 26131
 Ion Ratio Lower Upper
 73 100
 43 22.8 17.3 25.9
 57 21.3 17.9 26.9

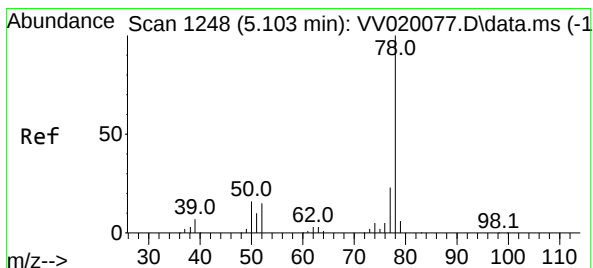
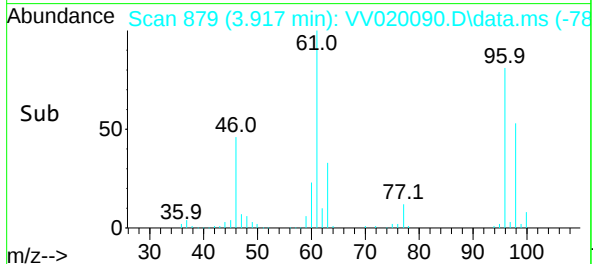
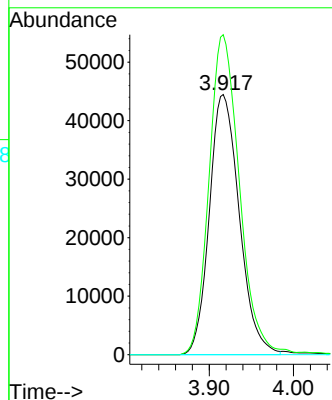
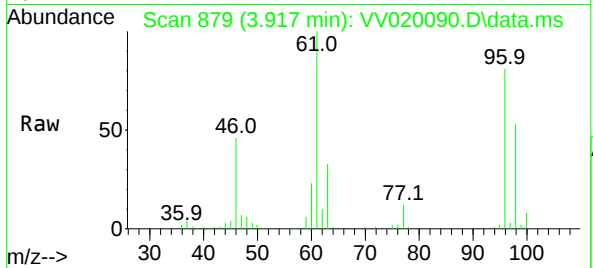




#20
cis-1,2-Dichloroethene
Concen: 39.45 ug/L
RT: 3.917 min Scan# 879
Delta R.T. 0.000 min
Lab File: VV020090.D
Acq: 20 Jan 2021 20:54

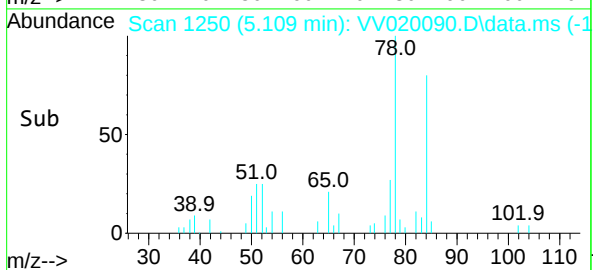
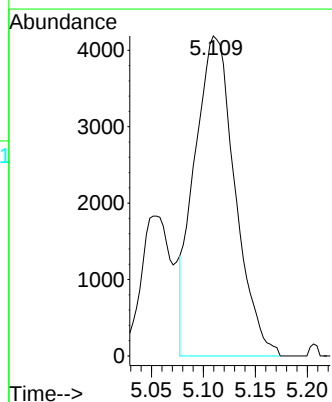
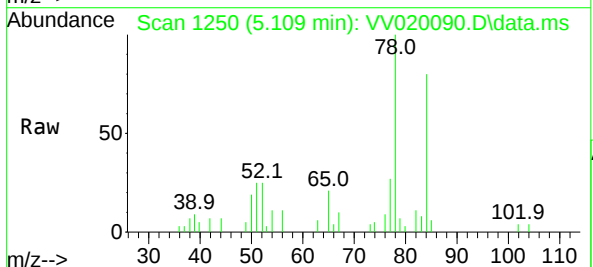
Instrument :
MSVOA_V
ClientSampleId :
F1E28

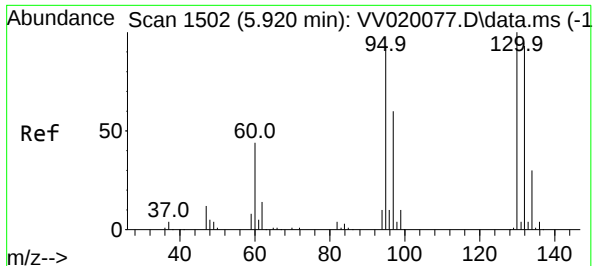
Tgt Ion: 96 Resp: 109775
Ion Ratio Lower Upper
96 100
61 123.0 96.9 179.9
68 0.0 0.0 0.0



#33
Benzene
Concen: 1.11 ug/L
RT: 5.109 min Scan# 1250
Delta R.T. 0.007 min
Lab File: VV020090.D
Acq: 20 Jan 2021 20:54

Tgt Ion: 78 Resp: 11317



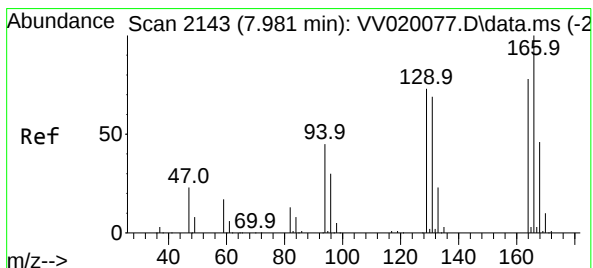
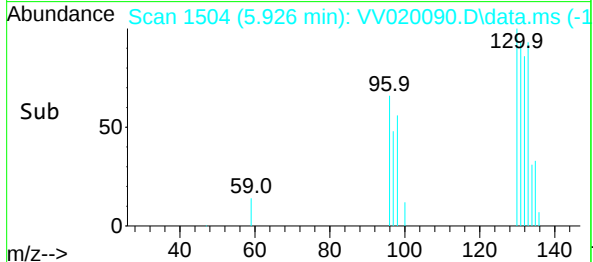
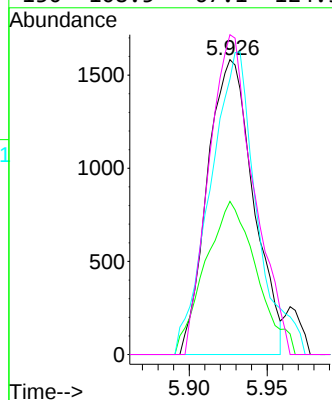
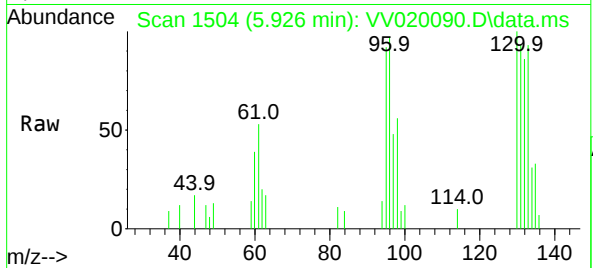


#34
Trichloroethene
Concen: 1.06 ug/L
RT: 5.926 min Scan# 1504
Delta R.T. 0.007 min
Lab File: VV020090.D
Acq: 20 Jan 2021 20:54

Instrument :
MSVOA_V
ClientSampled :
F1E28

Tgt Ion: 95 Resp: 3252

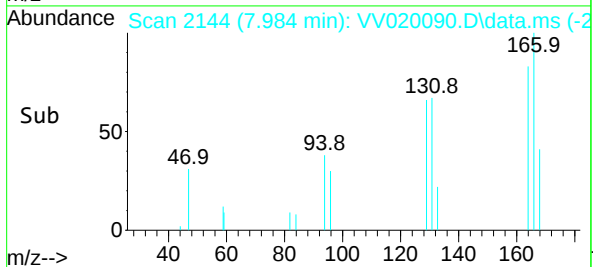
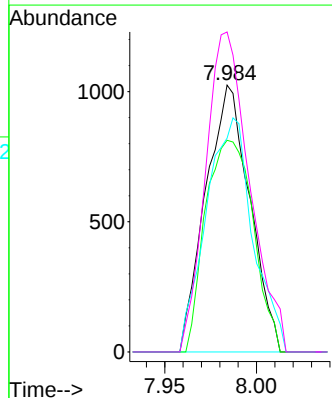
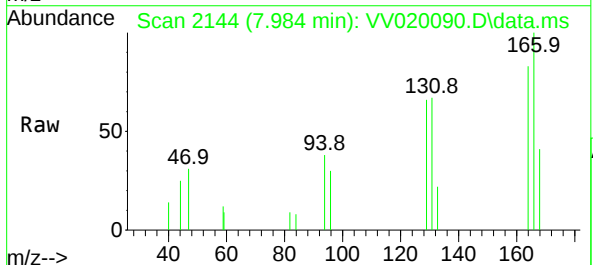
Ion	Ratio	Lower	Upper
95	100		
97	51.9	44.5	82.7
132	93.4	63.4	117.8
130	108.5	67.1	124.5

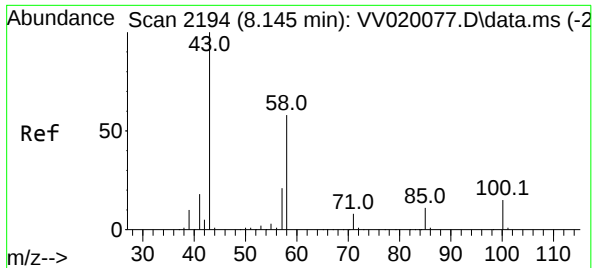


#46
Tetrachloroethene
Concen: 0.70 ug/L
RT: 7.984 min Scan# 2144
Delta R.T. 0.003 min
Lab File: VV020090.D
Acq: 20 Jan 2021 20:54

Tgt Ion: 164 Resp: 1708

Ion	Ratio	Lower	Upper
164	100		
129	79.3	70.6	131.0
131	80.1	66.8	124.0
166	119.9	88.2	163.8





#48
 2-Hexanone
 Concen: 3.63 ug/L
 RT: 8.148 min Scan# 2195
 Delta R.T. 0.003 min
 Lab File: VV020090.D
 Acq: 20 Jan 2021 20:54

Instrument :
 MSVOA_V
 ClientSampleId :
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Tgt Ion: 43	Resp:	9821
Ion	Ratio	Lower Upper
43	100	
58	0.0	41.8 62.6#
57	0.0	15.0 22.4#
100	4.2	8.9 13.3#

