

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051920\
 Data File : VV016118.D
 Acq On : 19 May 2020 13:31
 Operator : SY/MD
 Sample : L2661-11MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4257MS

Quant Time: May 20 02:31:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:20:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	181113	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	178202	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81060	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37265	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.58	69	39715	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.13	63	89209	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	3.96	46	136732	48.79	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.58%
24) Chloroform-d	4.37	84	90748	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.06	65	53641	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.07	84	180069	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.10	67	56984	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.34	98	155653	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
45) trans-1,3-Dichloropropene-	7.64	79	18599	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
48) 2-Hexanone-d5	8.12	63	100061	44.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.68%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41273	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	60141	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

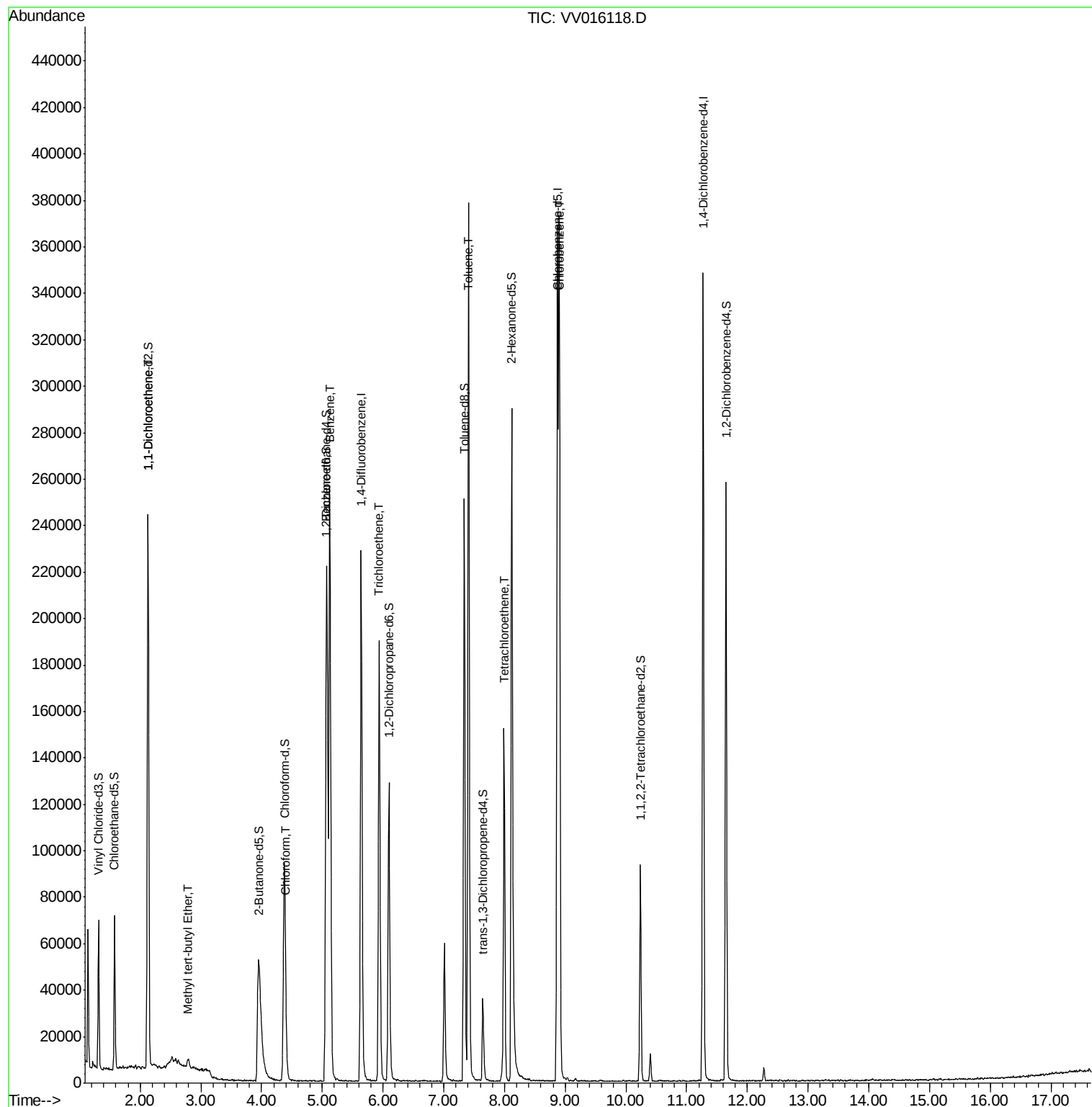
					Ovalue
12) 1,1-Dichloroethene	2.14	96	48670	4.883 ug/L	80
17) Methyl tert-butyl Ether	2.79	73	2972	0.115 ug/L #	85
25) Chloroform	4.40	83	9949	0.426 ug/L	98
33) Benzene	5.12	78	244691	5.458 ug/L	100
34) Trichloroethene	5.94	95	66505	5.197 ug/L	97
42) Toluene	7.41	91	258717	5.444 ug/L	99
49) Tetrachloroethene	7.99	164	30928	3.464 ug/L	99
53) Chlorobenzene	8.90	112	174344	5.704 ug/L	98

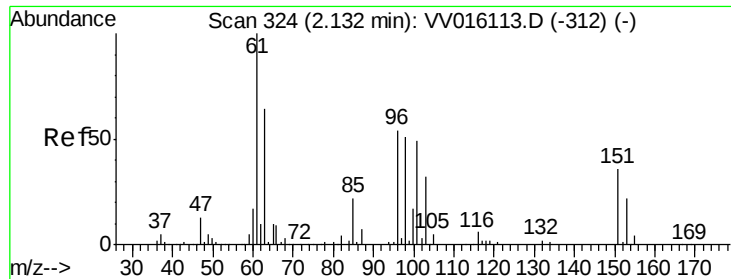
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.883 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

Instrument :

MSVOA_V

ClientSampled :

H4257MS

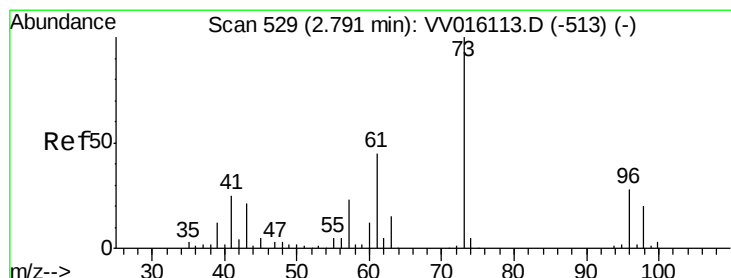
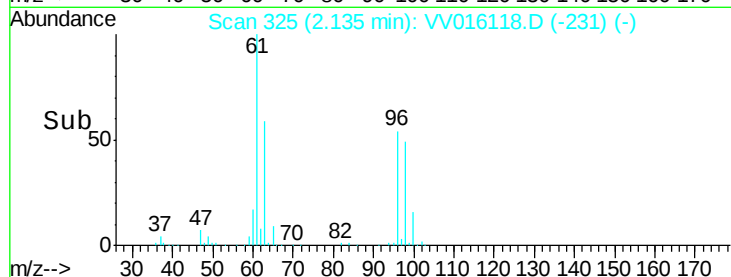
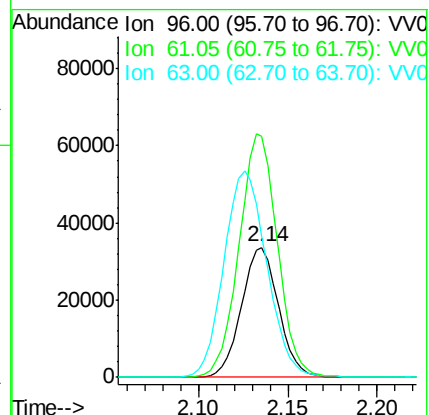
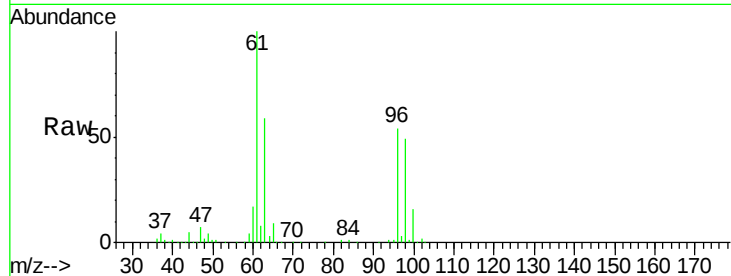
Tot Ion: 96 Resp: 48670

Ion Ratio Lower Upper

96 100

61 185.3 139.9 259.7

63 109.0 106.4 197.6



#17

Methyl tert-butyl Ether

Concen: 0.115 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

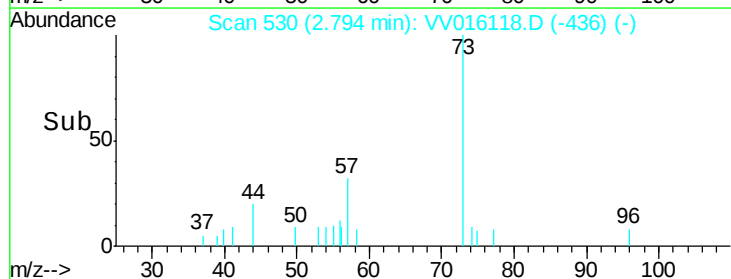
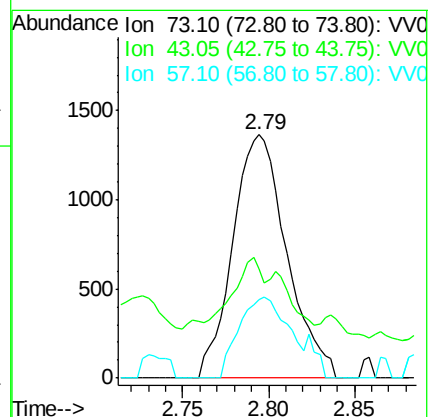
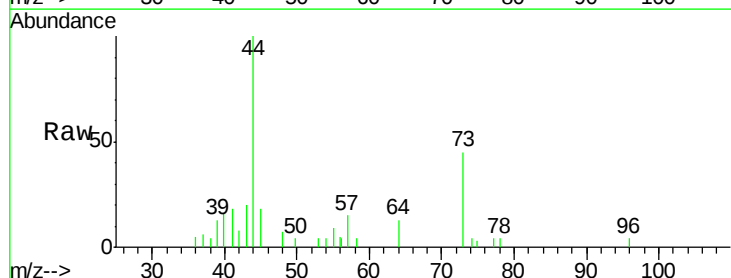
Tgt Ion: 73 Resp: 2972

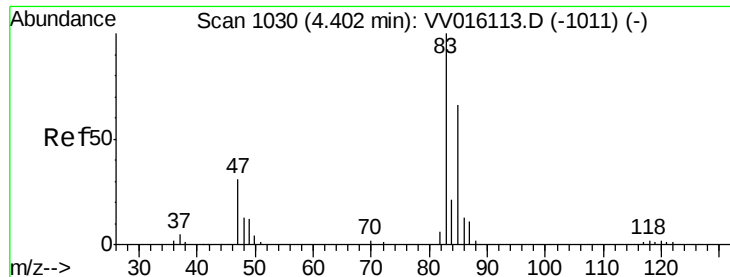
Ion Ratio Lower Upper

73 100

43 16.8 18.8 28.2#

57 30.2 17.8 26.6#

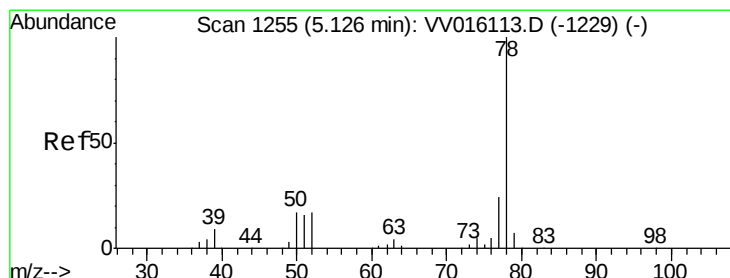
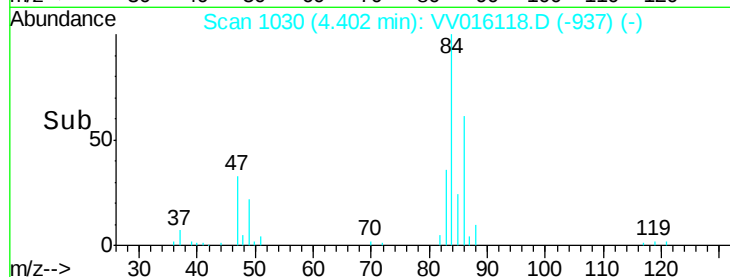
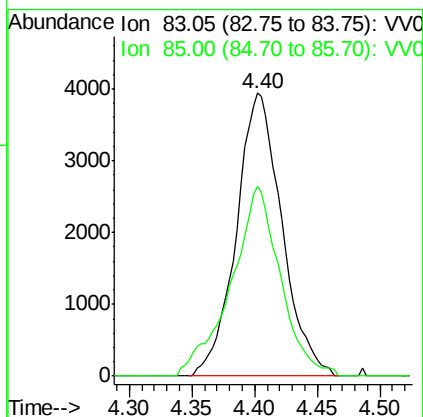
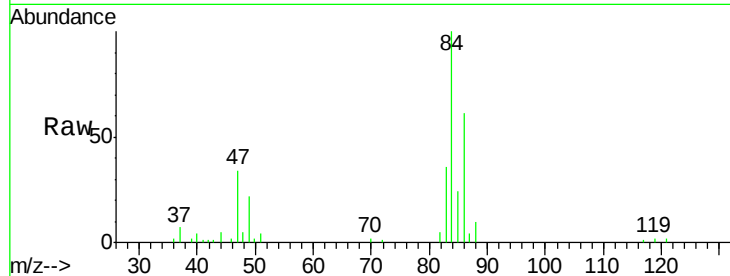




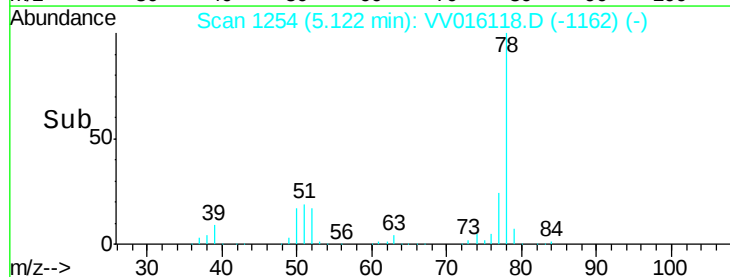
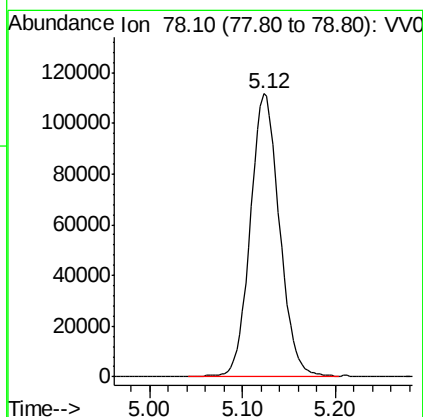
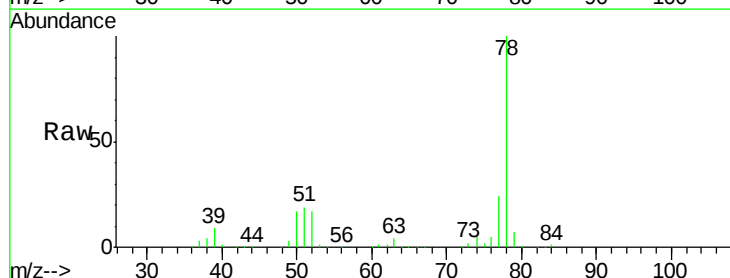
#25
Chloroform
Concen: 0.426 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016118.D
Acq: 19 May 2020 13:31

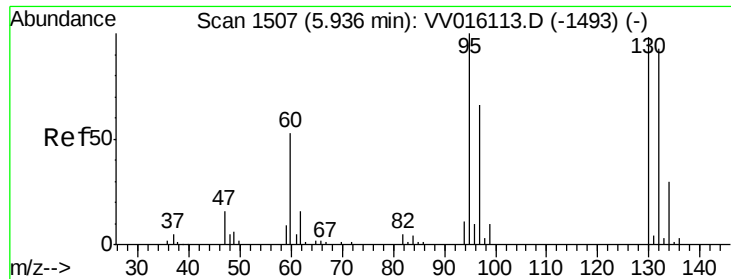
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Tot Ion: 83 Resp: 9949
Ion Ratio Lower Upper
83 100
85 67.0 45.7 84.9



#33
Benzene
Concen: 5.458 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016118.D
Acq: 19 May 2020 13:31
Tgt Ion: 78 Resp: 244691

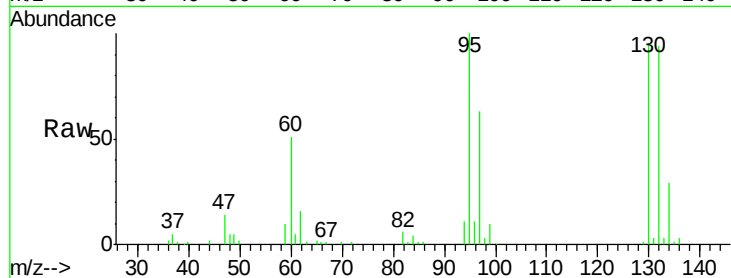




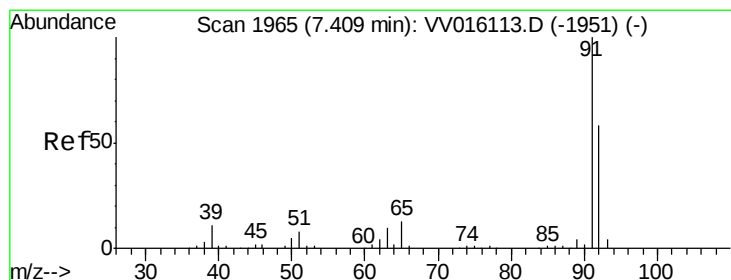
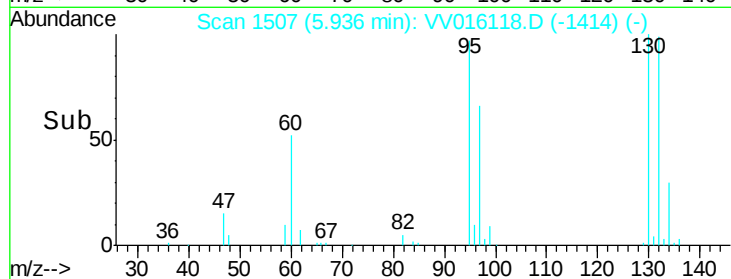
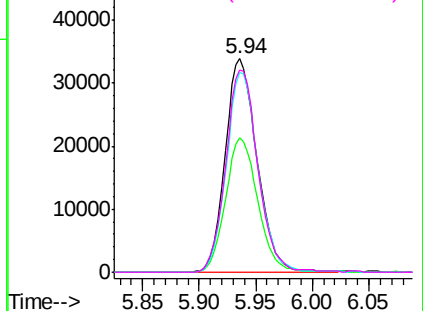
#34
 Trichloroethene
 Concen: 5.197 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016118.D
 Acq: 19 May 2020 13:31

Instrument :
 MSVOA_V
 ClientSampleId :
 H4257MS

Tot Ion: 95 Resp: 66505
 Ion Ratio Lower Upper
 95 100
 97 62.9 43.3 80.5
 132 93.8 60.3 112.1
 130 94.6 66.0 122.6

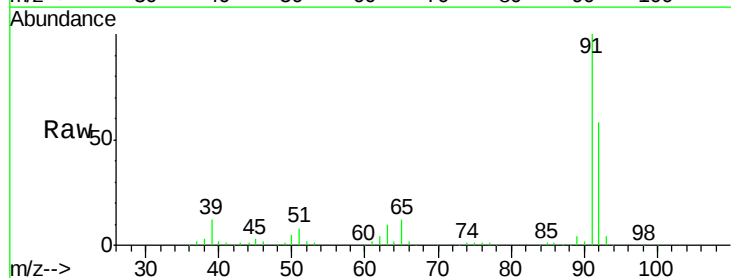


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

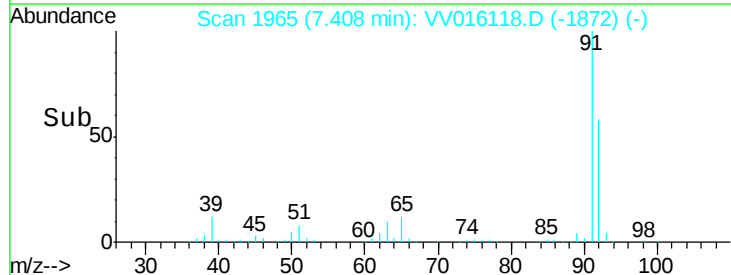
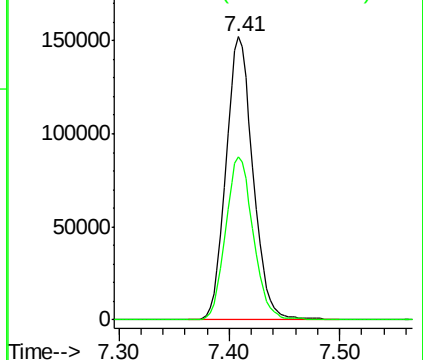


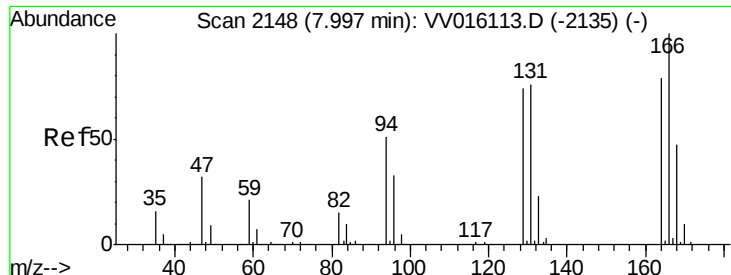
#42
 Toluene
 Concen: 5.444 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VV016118.D
 Acq: 19 May 2020 13:31

Tgt Ion: 91 Resp: 258717
 Ion Ratio Lower Upper
 91 100
 92 57.7 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0
 Ion 92.15 (91.85 to 92.85): VV0





#49

Tetrachloroethene

Concen: 3.464 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

H4257MS

Tot Ion:164 Resp: 30928

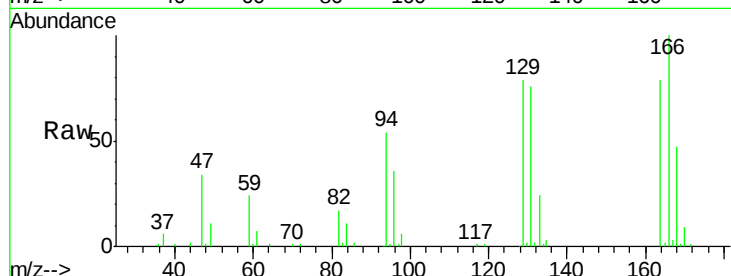
Ion Ratio Lower Upper

164 100

129 99.3 69.7 129.4

131 95.6 66.8 124.2

166 125.9 89.1 165.5

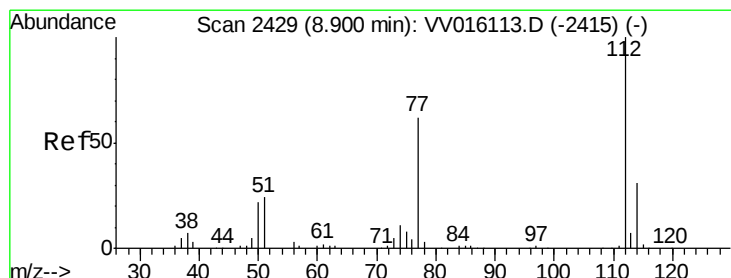
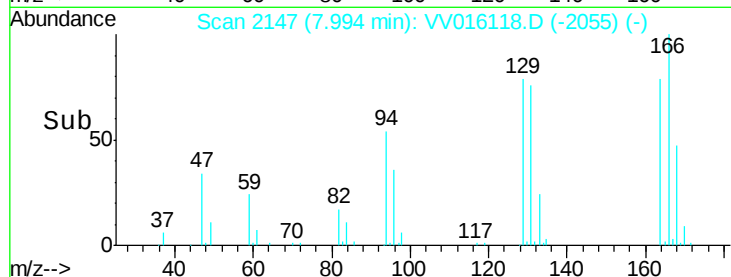
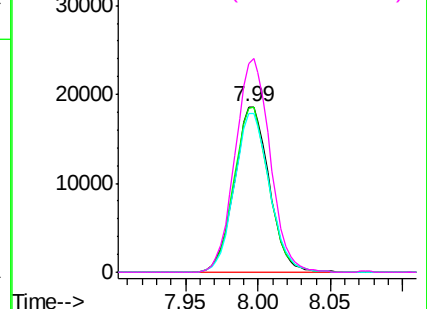


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

Chlorobenzene

Concen: 5.704 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

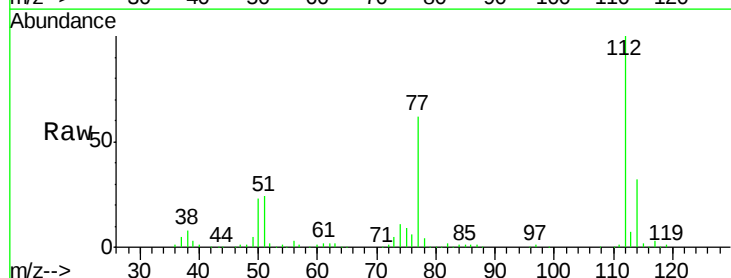
Tgt Ion:112 Resp: 174344

Ion Ratio Lower Upper

112 100

114 32.4 21.6 40.0

77 62.4 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

