

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016040.D
 Acq On : 13 May 2020 14:58
 Operator : SY/MD
 Sample : L2542-18MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4220MS

Quant Time: May 14 04:19:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 02:25:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	151362	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	149339	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	66294	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47507	5.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.80%
7) Chloroethane-d5	1.58	69	44399	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.00%
11) 1,1-Dichloroethene-d2	2.13	63	96380	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.20%
20) 2-Butanone-d5	3.94	46	120555	51.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.94%
24) Chloroform-d	4.38	84	94115	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.06	65	51551	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.08	84	183886	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.10	67	56493	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	161666	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
45) trans-1,3-Dichloropropene-	7.65	79	18553	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
48) 2-Hexanone-d5	8.12	63	88141	47.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.26%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39542	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	57697	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

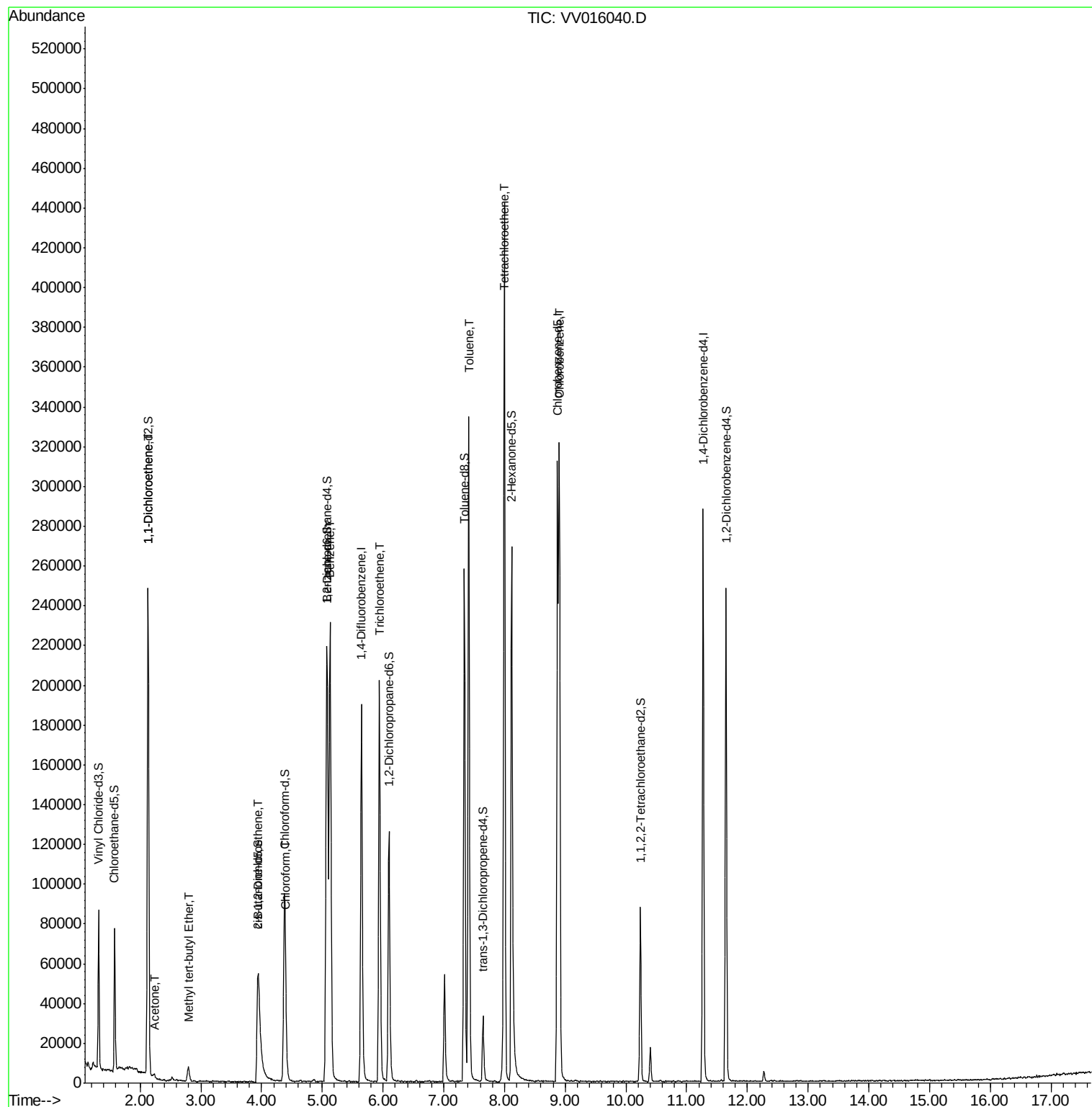
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	44394	5.330	ug/L	91
13) Acetone	2.23	43	4605	2.980	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	6549	0.303	ug/L #	90
22) cis-1,2-Dichloroethene	3.94	96	3251	0.337	ug/L	95
25) Chloroform	4.41	83	5737	0.294	ug/L	99
33) Benzene	5.13	78	223321	5.944	ug/L	100
34) Trichloroethene	5.94	95	69021	6.436	ug/L	98
42) Toluene	7.41	91	235116	5.904	ug/L	99
49) Tetrachloroethene	8.00	164	89087	11.905	ug/L	98
53) Chlorobenzene	8.90	112	152566	5.956	ug/L	99

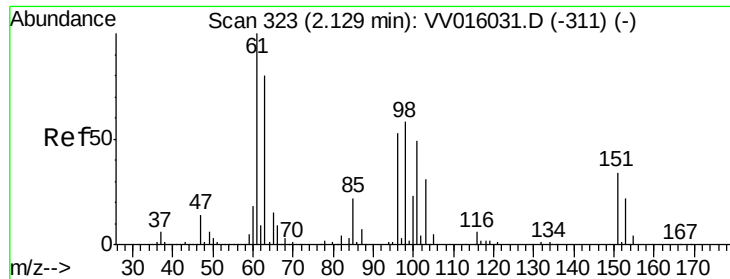
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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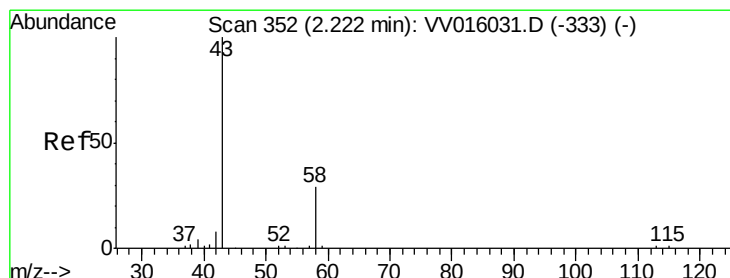
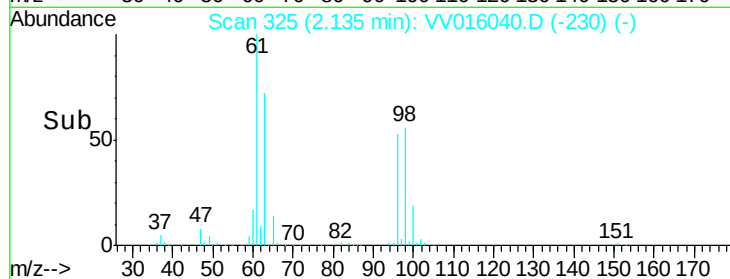
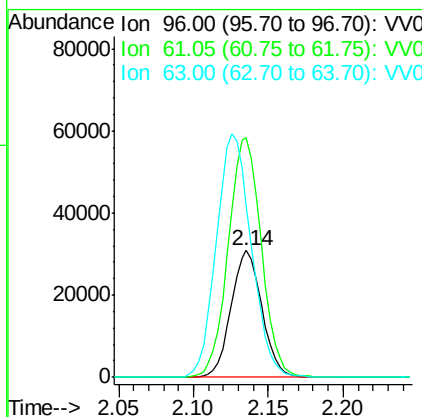
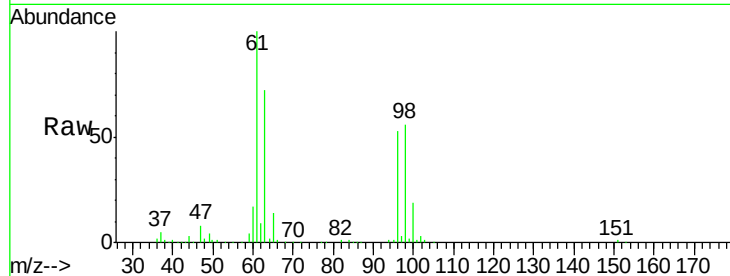




#12
 1,1-Dichloroethene
 Concen: 5.330 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

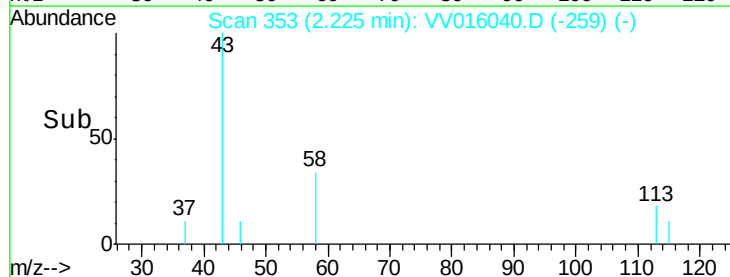
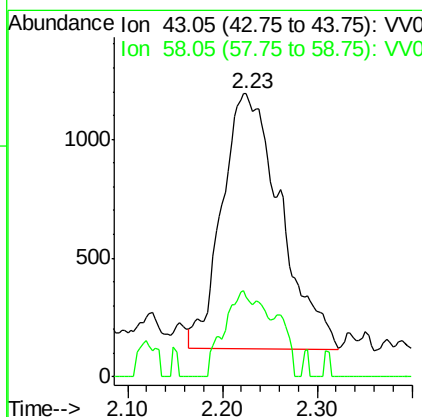
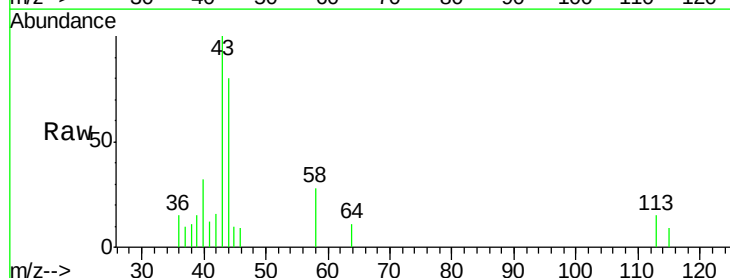
Instrument :
 MSVOA_V
 ClientSampleId :
 H4220MS

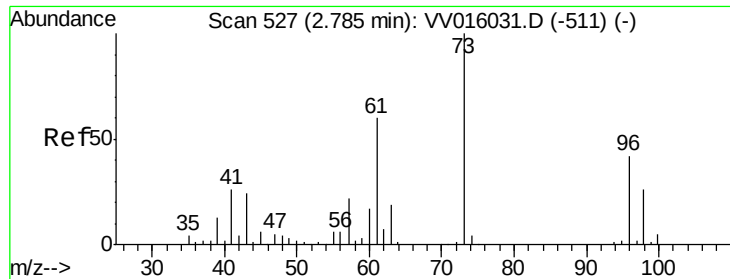
Tot Ion: 96 Resp: 44394
 Ion Ratio Lower Upper
 96 100
 61 189.6 139.9 259.7
 63 135.6 106.4 197.6



#13
 Acetone
 Concen: 2.980 ug/L
 RT: 2.23 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

Tgt Ion: 43 Resp: 4605
 Ion Ratio Lower Upper
 43 100
 58 15.9 0.0 30.8

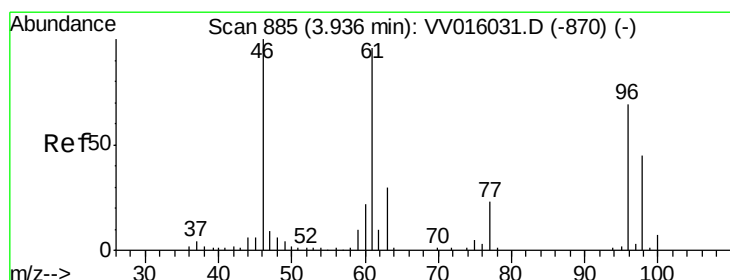
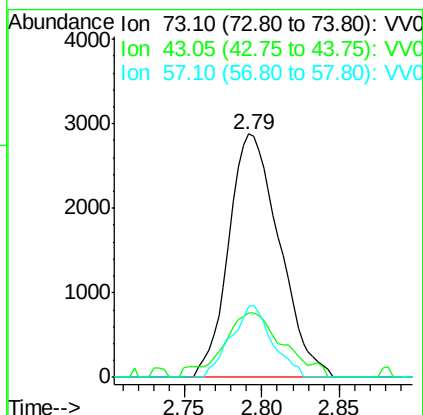
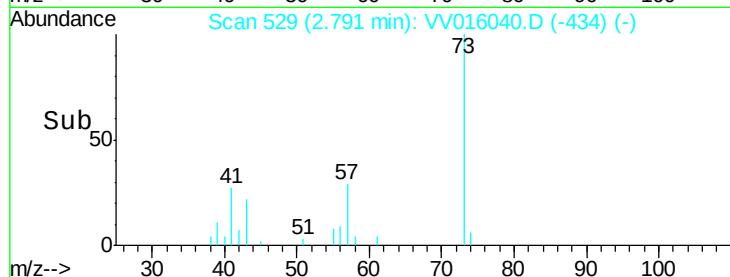
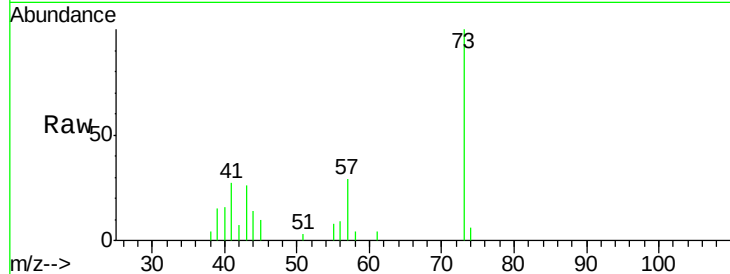




#17
Methyl tert-butyl Ether
Concen: 0.303 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

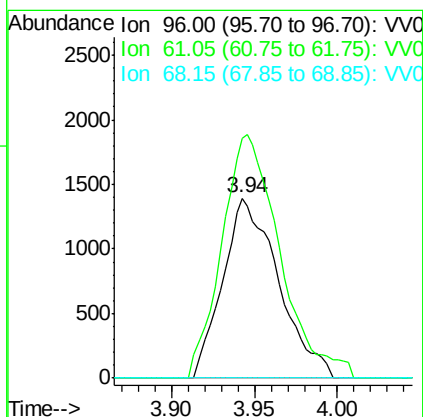
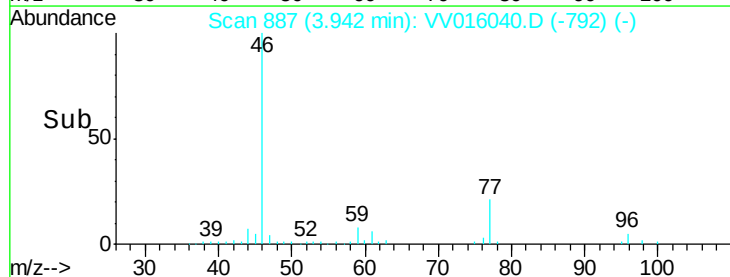
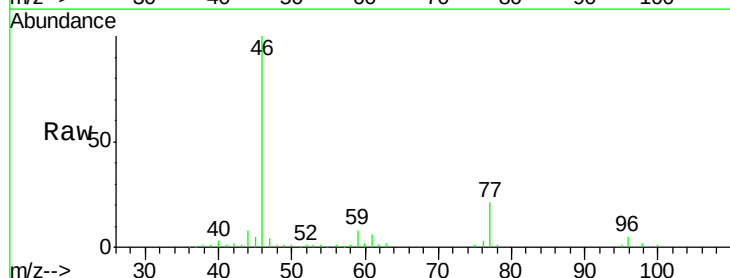
Instrument :
MSVOA_V
ClientSampleId :
H4220MS

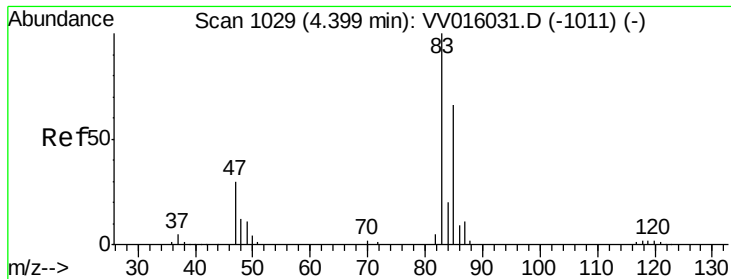
Tot Ion: 73 Resp: 6549
Ion Ratio Lower Upper
73 100
43 31.5 18.8 28.2#
57 23.9 17.8 26.6



#22
cis-1,2-Dichloroethene
Concen: 0.337 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

Tgt Ion: 96 Resp: 3251
Ion Ratio Lower Upper
96 100
61 133.4 97.2 180.6
68 0.0 0.0 0.0

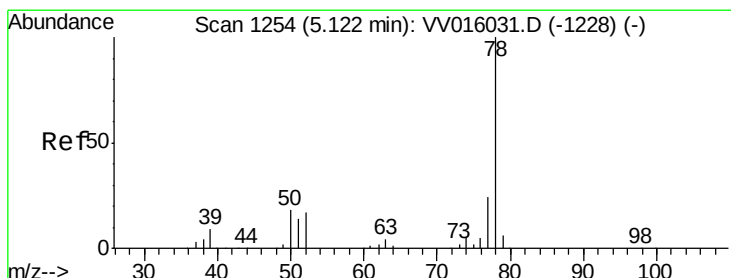
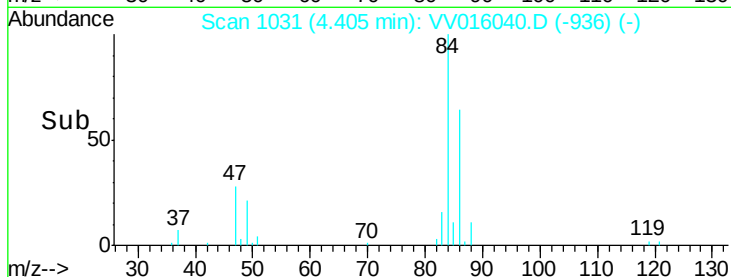
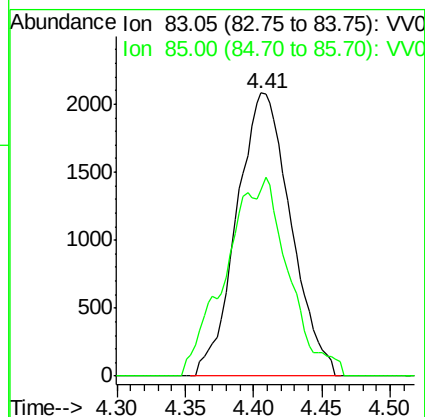
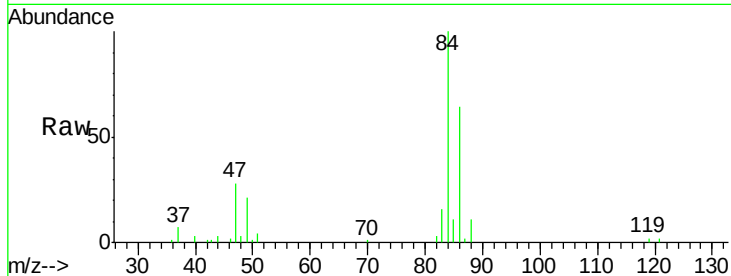




#25
Chloroform
Concen: 0.294 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

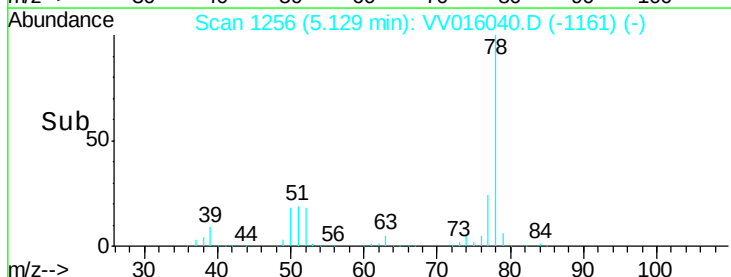
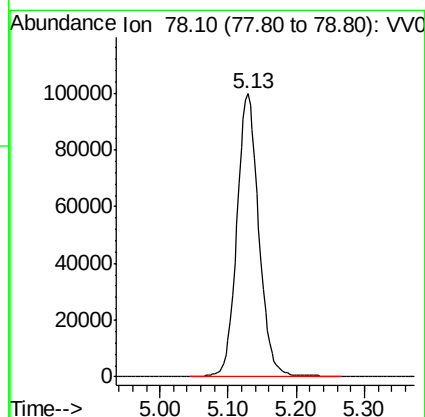
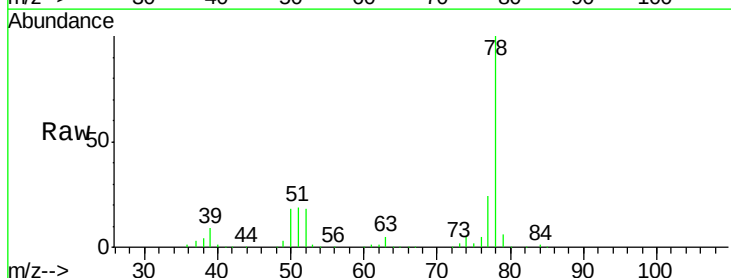
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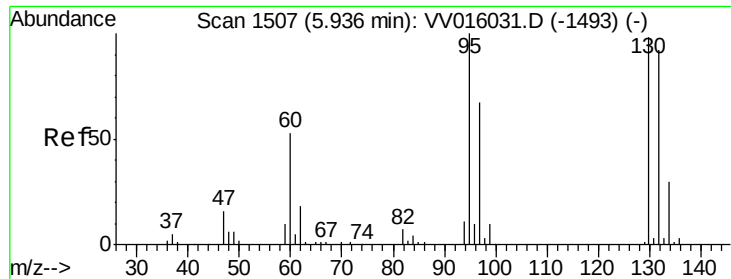
Tot Ion: 83 Resp: 5737
Ion Ratio Lower Upper
83 100
85 65.8 45.7 84.9



#33
Benzene
Concen: 5.944 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV016040.D
Acq: 13 May 2020 14:58

Tgt Ion: 78 Resp: 223321

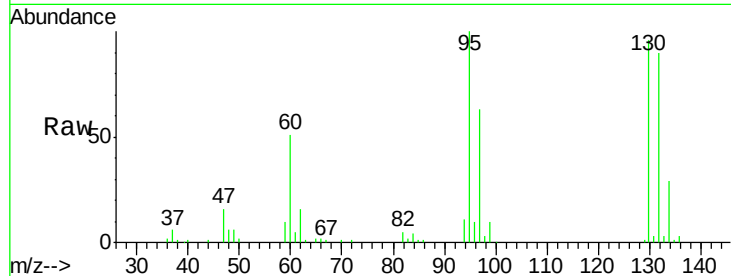




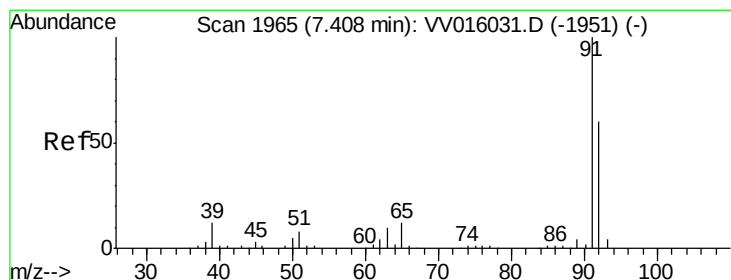
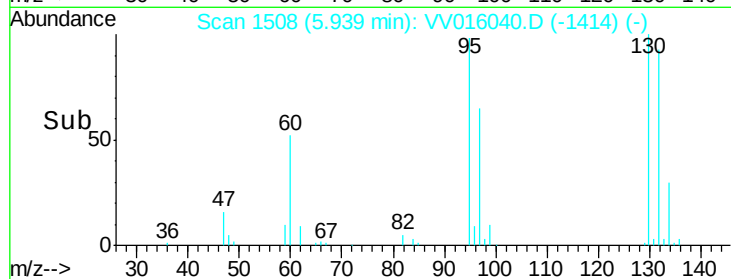
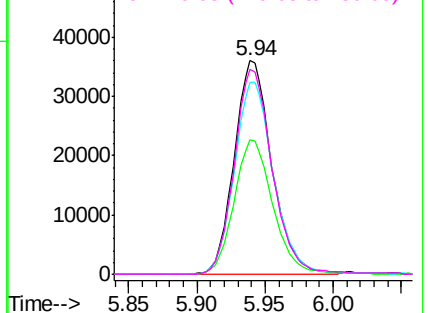
#34
 Trichloroethene
 Concen: 6.436 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

Instrument :
 MSVOA_V
 ClientSampleId :
 H4220MS

Tot Ion: 95 Resp: 69021
 Ion Ratio Lower Upper
 95 100
 97 62.8 43.3 80.5
 132 89.8 60.3 112.1
 130 96.1 66.0 122.6

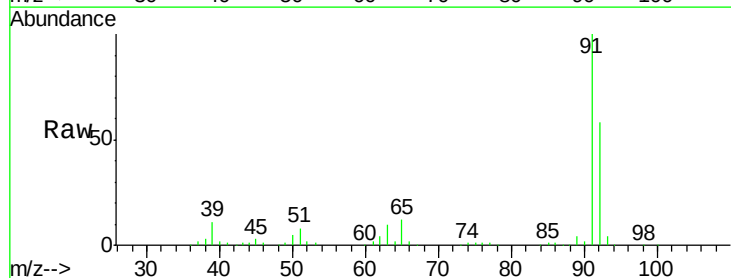


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

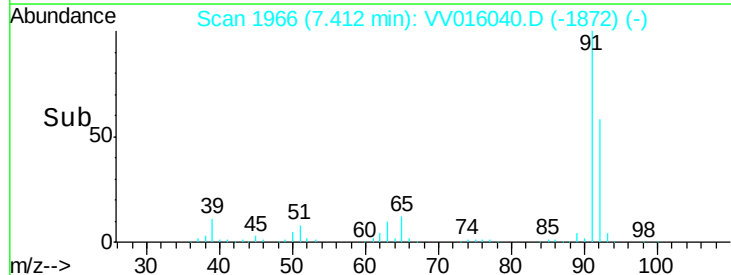
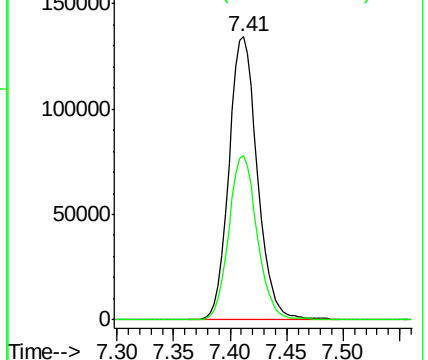


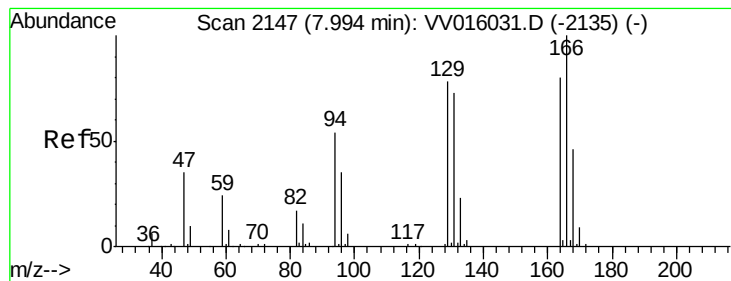
#42
 Toluene
 Concen: 5.904 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV016040.D
 Acq: 13 May 2020 14:58

Tgt Ion: 91 Resp: 235116
 Ion Ratio Lower Upper
 91 100
 92 58.1 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: 11.905 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016040.D

Acq: 13 May 2020 14:58

Instrument :

MSVOA_V

ClientSampleId :

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Tot Ion:164 Resp: 89087

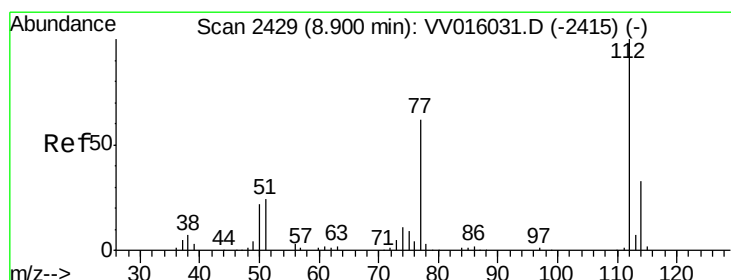
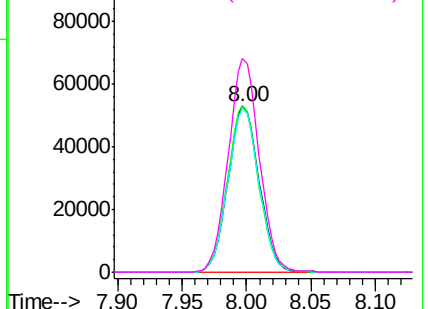
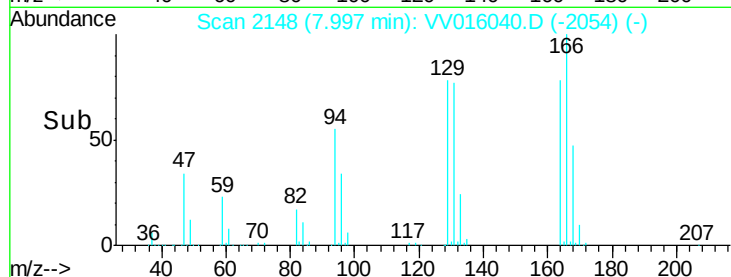
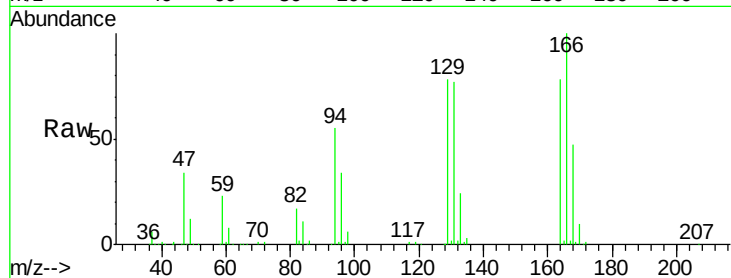
Ion Ratio Lower Upper

164 100

129 100.4 69.7 129.4

131 98.7 66.8 124.2

166 128.6 89.1 165.5



#53

Chlorobenzene

Concen: 5.956 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016040.D

Acq: 13 May 2020 14:58

Tgt Ion:112 Resp: 152566

Ion Ratio Lower Upper

112 100

114 31.2 21.6 40.0

77 61.7 48.6 73.0

