

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040519\
 Data File : VW009740.D
 Acq On : 05 Apr 2019 18:41
 Operator : SY/VA
 Sample : K2277-08
 Misc : 5.22G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF171

Quant Time: Apr 06 03:57:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 03:51:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	350744	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	336779	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	152059	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	126174	27.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.96%
7) Chloroethane-d5	2.89	69	116958	27.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.24%
10) 1,1-Dichloroethene-d2	4.02	63	343630	34.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	139.24%#
20) 2-Butanone-d5	7.07	46	116404	78.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.22%#
24) Chloroform-d	7.64	84	276113	28.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	115.40%
26) 1,2-Dichloroethane-d4	8.31	65	181697	30.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.68%
29) Benzene-d6	8.27	84	525205	29.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.84%
33) 1,2-Dichloropropane-d6	9.27	67	160726	29.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.72%
37) Toluene-d8	10.32	98	469456	28.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.88%
38) trans-1,3-Dichloropropene-	10.58	79	74833	28.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.92%
39) 2-Hexanone-d5	10.93	63	81973	79.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	159.28%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	163396	32.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	128.76%#
61) 1,2-Dichlorobenzene-d4	13.85	152	172134	32.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	129.04%#

Target Compounds

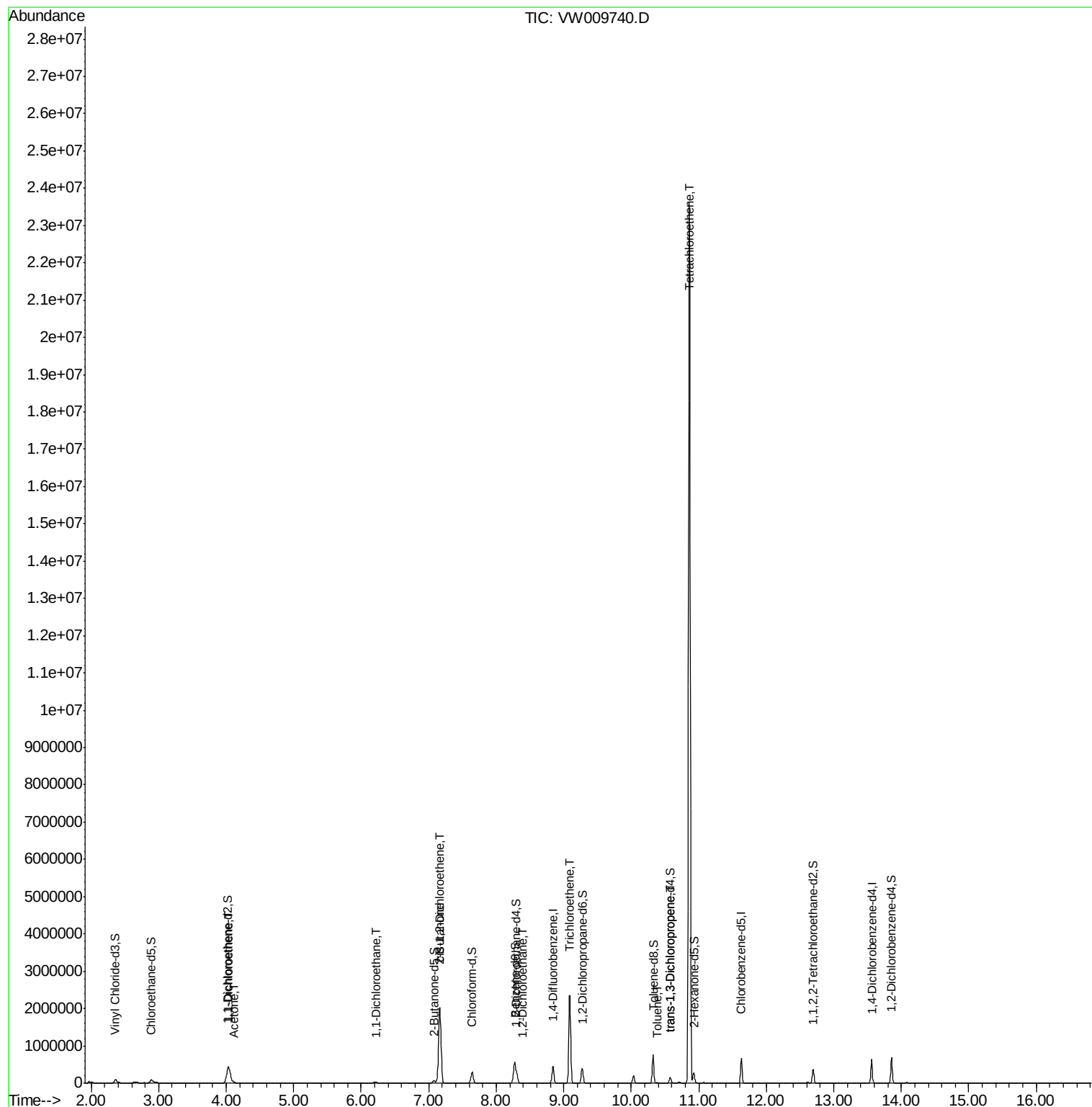
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	209204	44.907	ug/L	83
13) Acetone	4.12	43	5312	3.327	ug/L	96
19) 1,1-Dichloroethane	6.21	63	37132	3.994	ug/L	98
21) 2-Butanone	7.15	43	2424	1.194	ug/L #	1
22) cis-1,2-Dichloroethene	7.17	96	1069725	206.442	ug/L	99
27) 1,2-Dichloroethane	8.40	62	4171	0.566	ug/L #	95
35) Trichloroethene	9.09	95	758317	143.005	ug/L	99
44) Toluene	10.39	91	7208	0.336	ug/L	80
45) trans-1,3-Dichloropropene	10.57	75	3916	0.565	ug/L	84
47) Tetrachloroethene	10.86	164	4532258	1085.208	ug/L	98

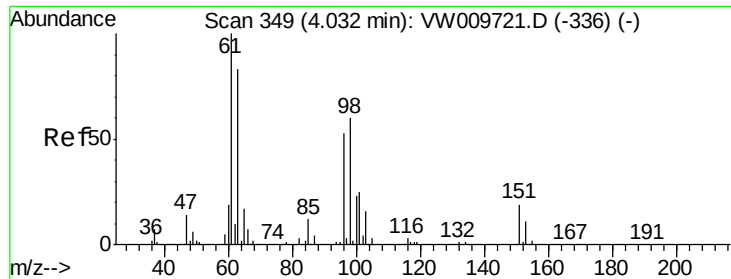
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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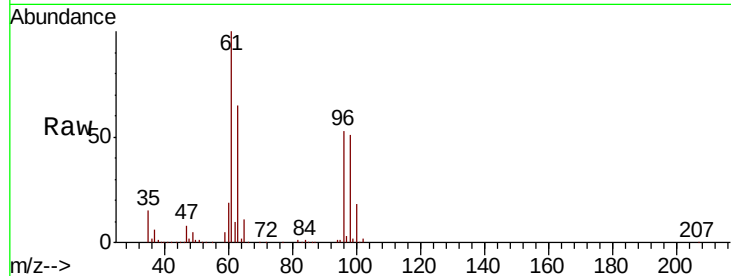




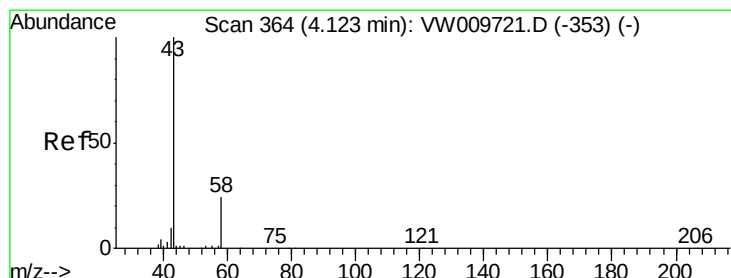
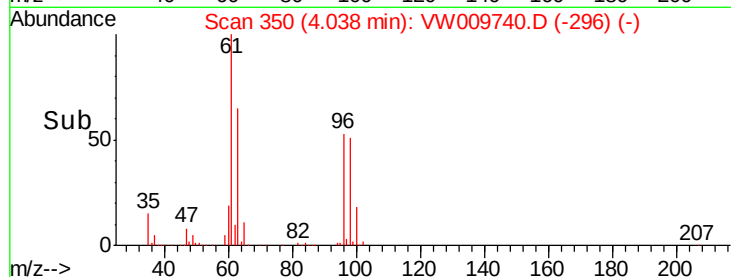
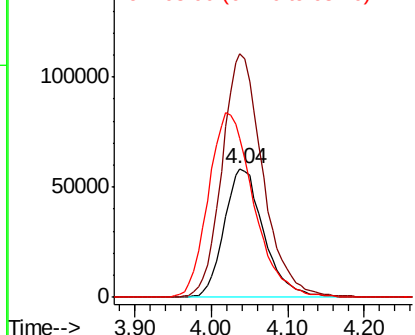
#12
 1,1-Dichloroethene
 Concen: 44.907 ug/L
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW009740.D
 Acq: 05 Apr 2019 18:41

Instrument :
 MSVOA_W
 ClientSampled :
 BF171

Tgt Ion: 96 Resp: 209204
 Ion Ratio Lower Upper
 96 100
 61 188.9 138.8 257.8
 63 123.3 114.6 212.8

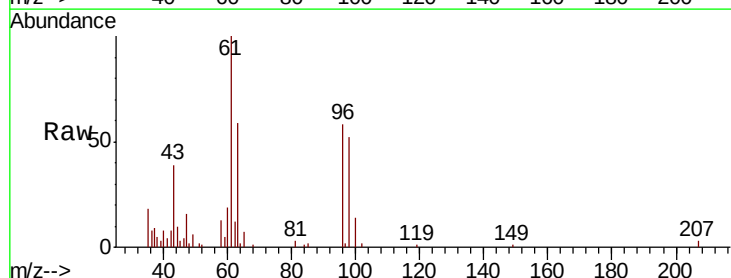


Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 63.00 (62.70 to 63.70): VW

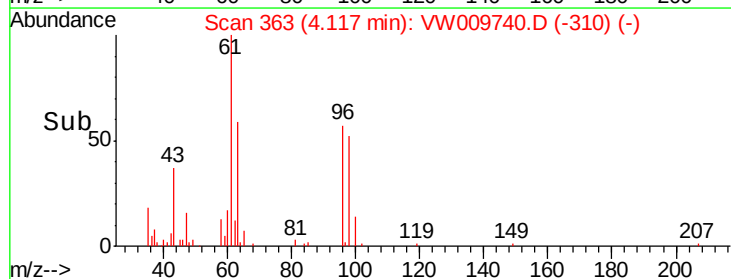
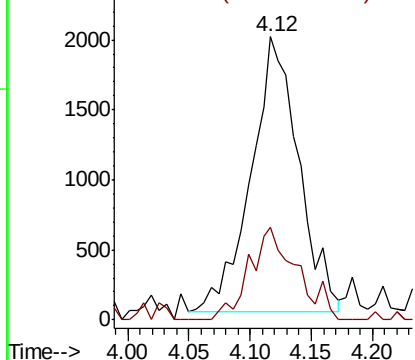


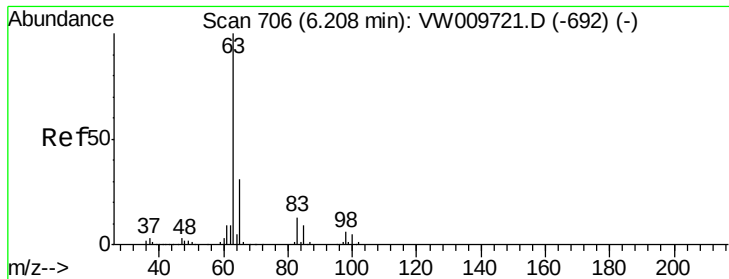
#13
 Acetone
 Concen: 3.327 ug/L
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW009740.D
 Acq: 05 Apr 2019 18:41

Tgt Ion: 43 Resp: 5312
 Ion Ratio Lower Upper
 43 100
 58 24.5 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

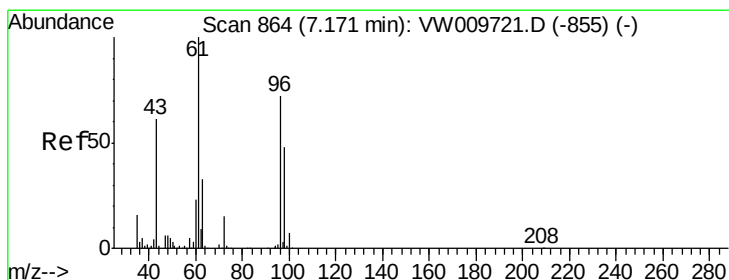
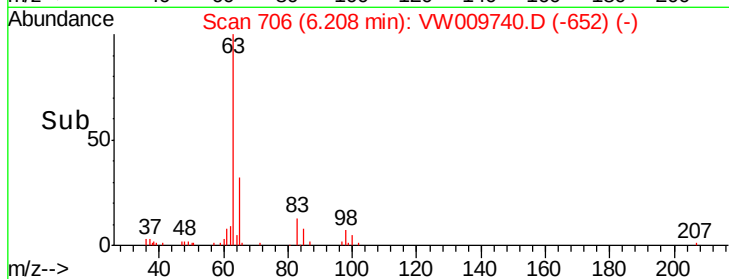
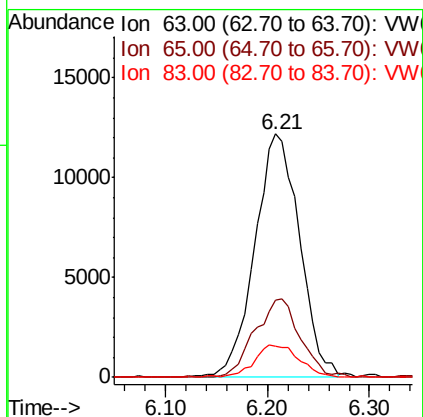
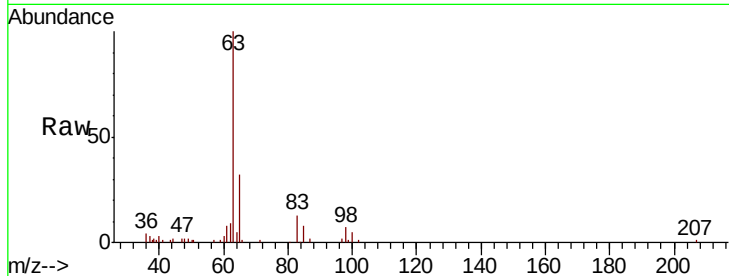




#19
 1,1-Dichloroethane
 Concen: 3.994 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009740.D
 Acq: 05 Apr 2019 18:41

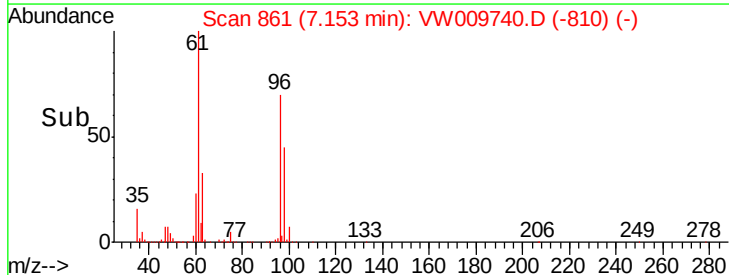
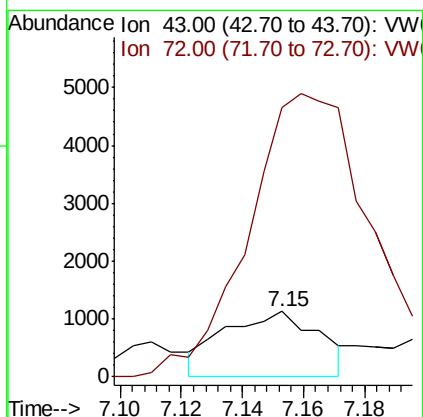
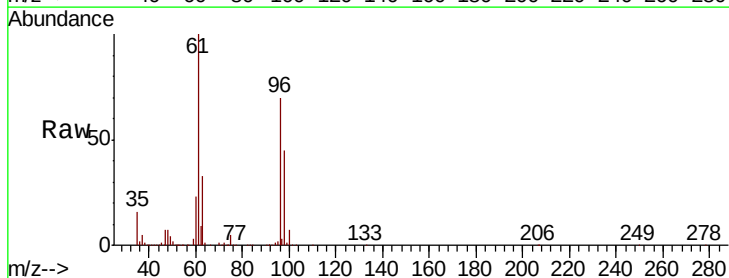
Instrument :
 MSVOA_W
 ClientSampleId :
 BF171

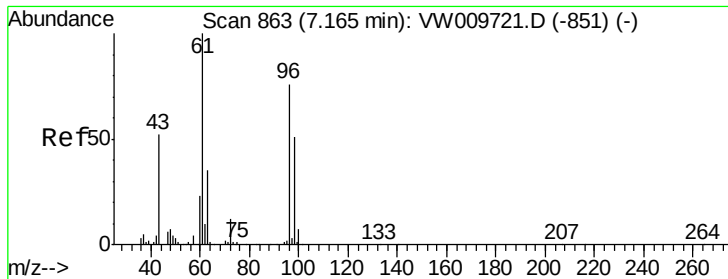
Tgt Ion: 63 Resp: 37132
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.6 42.0
 83 13.0 9.8 18.2



#21
 2-Butanone
 Concen: 1.194 ug/L
 RT: 7.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: VW009740.D
 Acq: 05 Apr 2019 18:41

Tgt Ion: 43 Resp: 2424
 Ion Ratio Lower Upper
 43 100
 72 561.2 12.0 36.1#



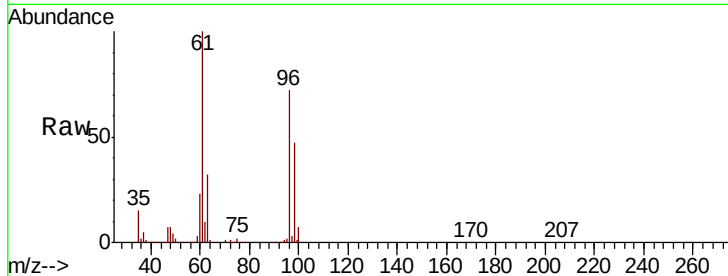


#22

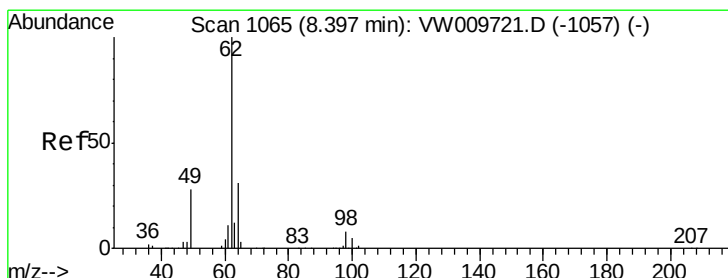
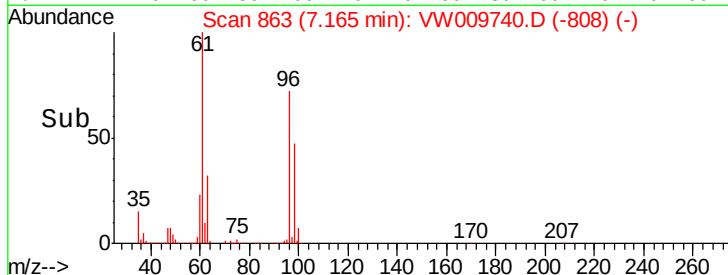
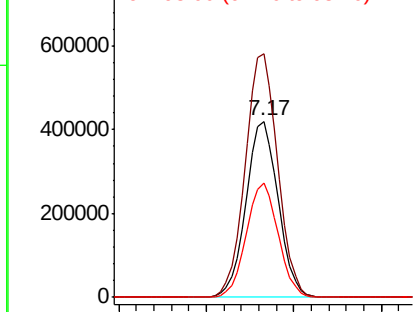
cis-1,2-Dichloroethene
 Concen: 206.442 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW009740.D
 Acq: 05 Apr 2019 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 BF171

Tgt Ion: 96 Resp: 1069725
 Ion Ratio Lower Upper
 96 100
 61 138.5 96.8 179.8
 98 64.7 43.5 80.9



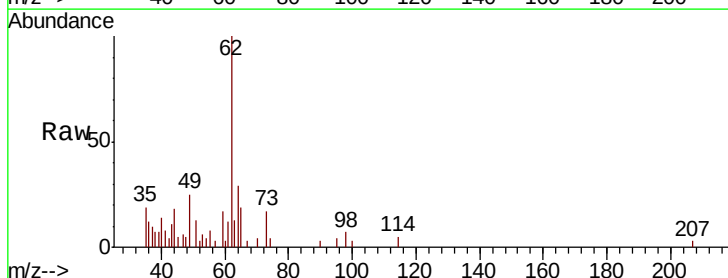
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



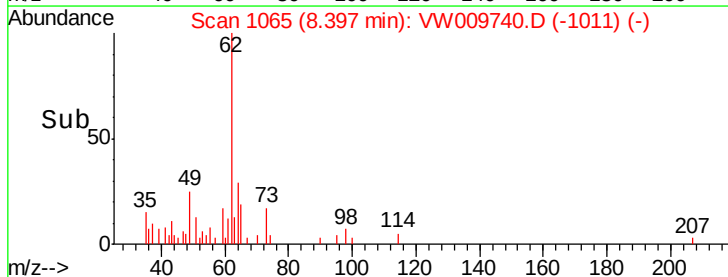
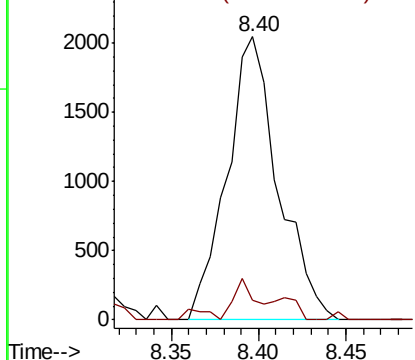
#27

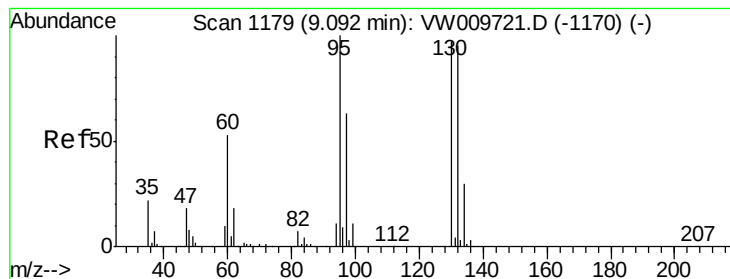
1,2-Dichloroethane
 Concen: 0.566 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW009740.D
 Acq: 05 Apr 2019 18:41

Tgt Ion: 62 Resp: 4171
 Ion Ratio Lower Upper
 62 100
 98 6.9 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 143.005 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009740.D

Acq: 05 Apr 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

BF171

Tgt Ion: 95 Resp: 758317

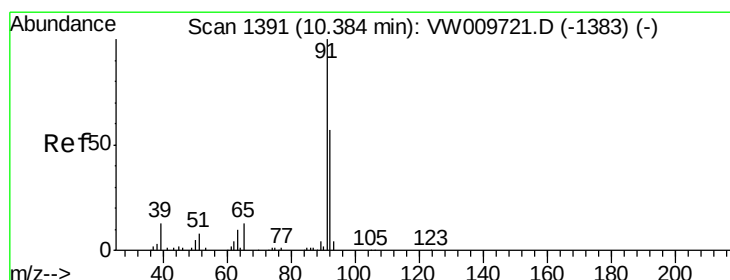
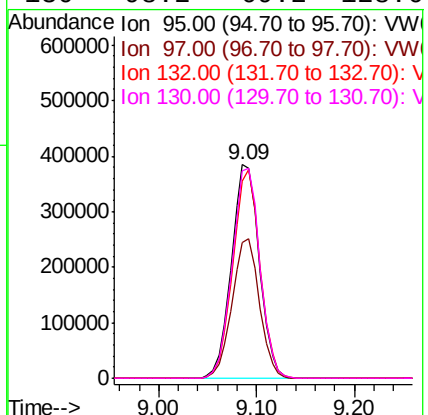
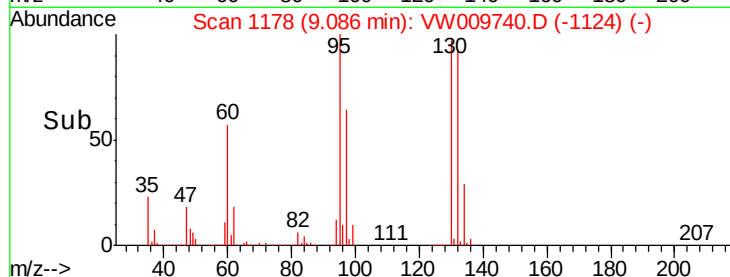
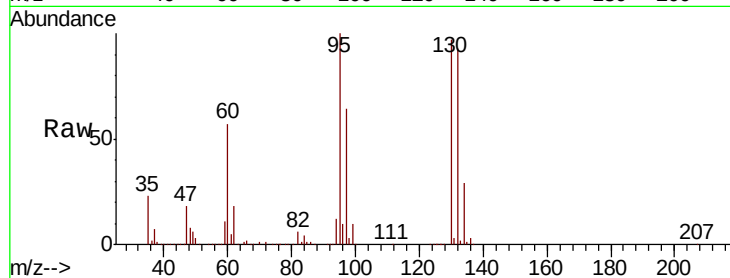
Ion Ratio Lower Upper

95 100

97 64.3 44.9 83.5

132 95.1 67.1 124.7

130 98.2 69.2 128.6



#44

Toluene

Concen: 0.336 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009740.D

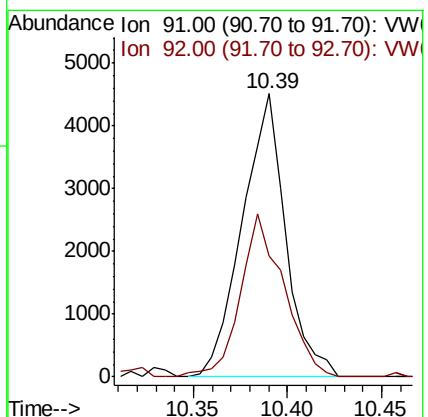
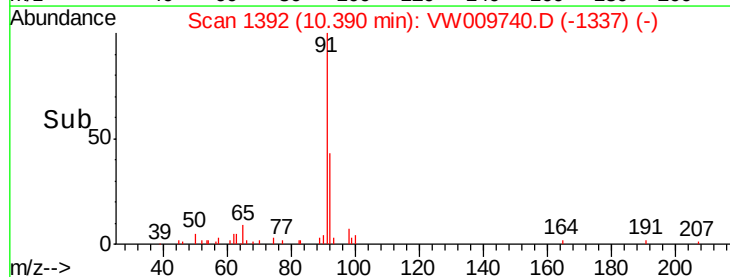
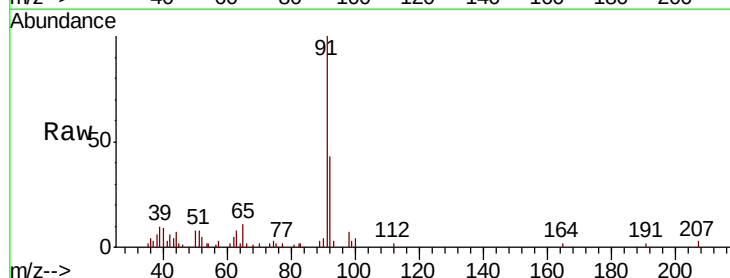
Acq: 05 Apr 2019 18:41

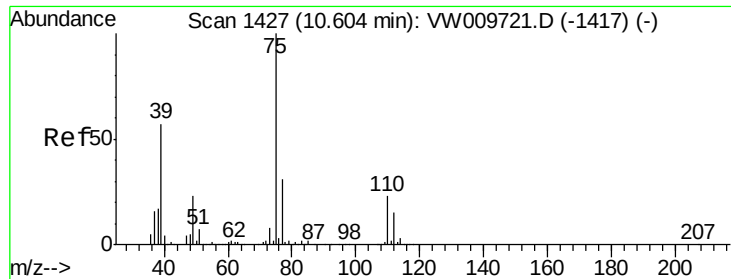
Tgt Ion: 91 Resp: 7208

Ion Ratio Lower Upper

91 100

92 42.9 40.5 75.1





#45

trans-1,3-Dichloropropene

Concen: 0.565 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009740.D

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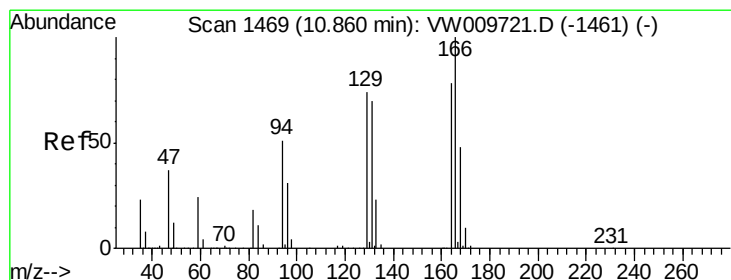
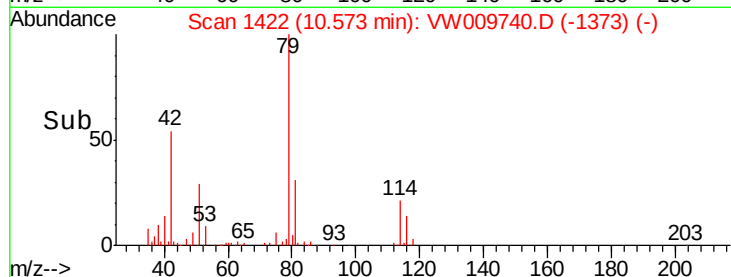
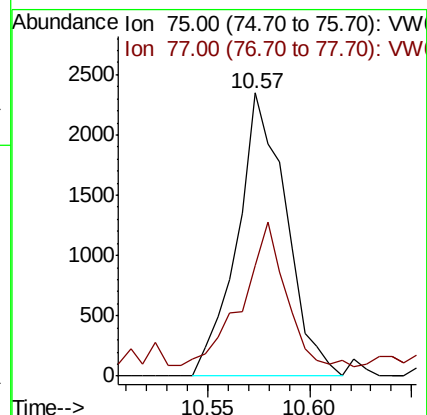
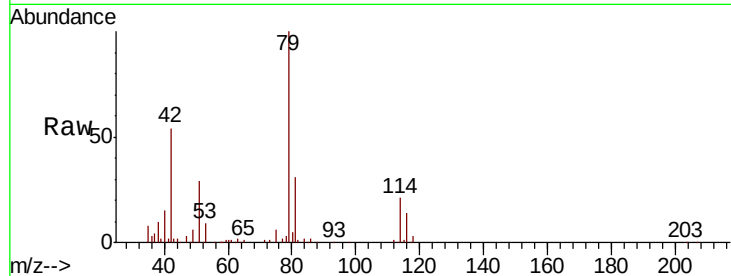
BF171

Tgt Ion: 75 Resp: 3916

Ion Ratio Lower Upper

75 100

77 38.9 21.1 39.3



#47

Tetrachloroethene

Concen: 1085.208 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009740.D

Acq: 05 Apr 2019 18:41

Tgt Ion: 164 Resp: 4532258

Ion Ratio Lower Upper

164 100

129 99.1 68.9 127.9

131 94.7 63.1 117.1

166 125.3 88.5 164.4

