

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009798.D
 Acq On : 07 Apr 2019 04:25
 Operator : SY/VA
 Sample : K2217-19
 Misc : 4.70G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF609

Quant Time: Apr 07 05:40:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 05:36:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	68978	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	38438	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	6329	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	47138	52.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	208.88%#
7) Chloroethane-d5	2.89	69	56801	68.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	274.76%#
10) 1,1-Dichloroethene-d2	4.01	63	83859	43.20	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	172.80%#
20) 2-Butanone-d5	7.08	46	69261	236.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	472.66%#
24) Chloroform-d	7.64	84	192751	102.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	409.64%#
26) 1,2-Dichloroethane-d4	8.31	65	91515	79.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	316.80%#
29) Benzene-d6	8.27	84	285399	141.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	565.76%#
33) 1,2-Dichloropropane-d6	9.27	67	116966	187.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	750.68%#
37) Toluene-d8	10.32	98	149942	80.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	321.48%#
38) trans-1,3-Dichloropropene-	10.57	79	9448	31.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	127.16%
39) 2-Hexanone-d5	10.93	63	28498	242.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	485.20%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	80975	139.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	559.00%#
61) 1,2-Dichlorobenzene-d4	13.86	152	19477	87.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	350.80%#

Target Compounds

					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	483	0.503 ug/L #	18
13) Acetone	4.05	43	335	1.067 ug/L	75
16) Methylene chloride	4.90	84	4853	3.989 ug/L	88
21) 2-Butanone	7.19	43	441	1.104 ug/L	84
25) Chloroform	7.65	83	828	0.432 ug/L #	1
34) Benzene	8.32	78	2724	1.178 ug/L	100
35) Trichloroethene	9.07	95	262	0.433 ug/L #	32
42) cis-1,3-Dichloropropene	10.03	75	1248	1.361 ug/L #	27
44) Toluene	10.39	91	1800	0.735 ug/L	96
45) trans-1,3-Dichloropropene	10.57	75	567	0.717 ug/L #	54
46) 1,1,2-Trichloroethane	10.79	97	491	1.105 ug/L #	44
47) Tetrachloroethene	10.86	164	185	0.388 ug/L #	51
49) 2-Hexanone	10.93	43	6485	18.940 ug/L #	77
50) Dibromochloromethane	10.86	129	389	0.713 ug/L #	12
58) 1,1,2,2-Tetrachloroethane	12.69	83	196	0.328 ug/L #	1
59) 1,2,3-Trichloropropane	12.60	75	249	0.560 ug/L #	63
69) Naphthalene	15.38	128	119	0.254 ug/L #	69

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QLast Update : Sun Apr 07 05:36:41 2019
Response via : Initial Calibration

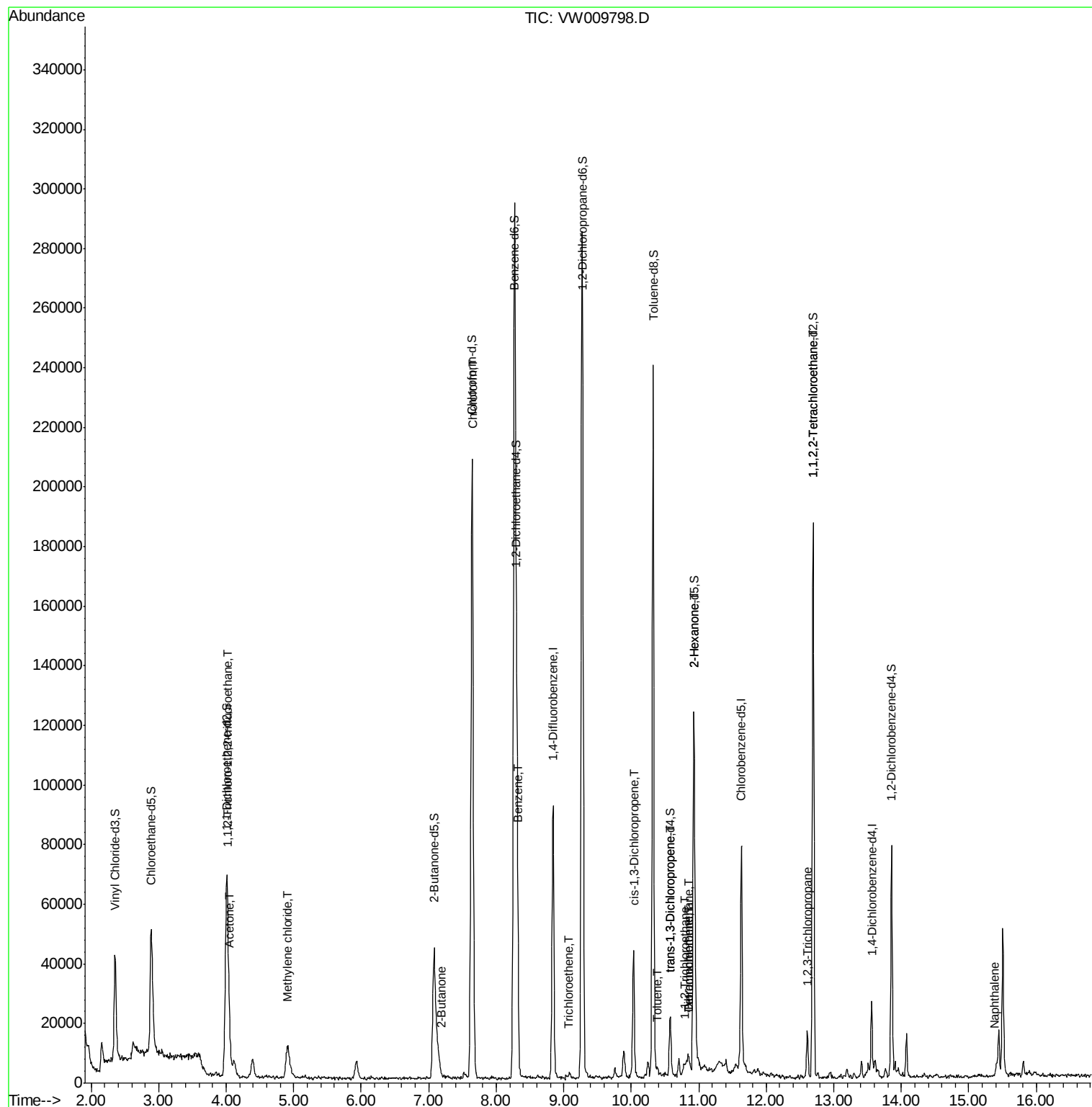
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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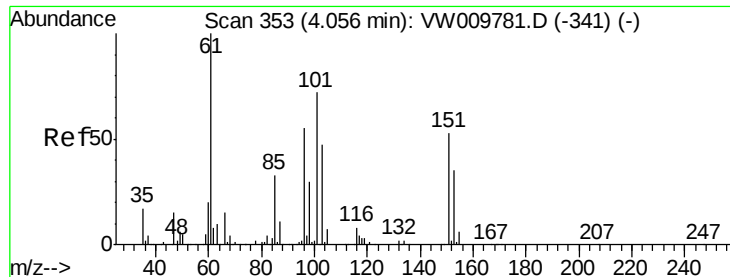
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.503 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW009798.D

Acq: 07 Apr 2019 04:25

Instrument :

MSVOA_W

ClientSampled :

BF609

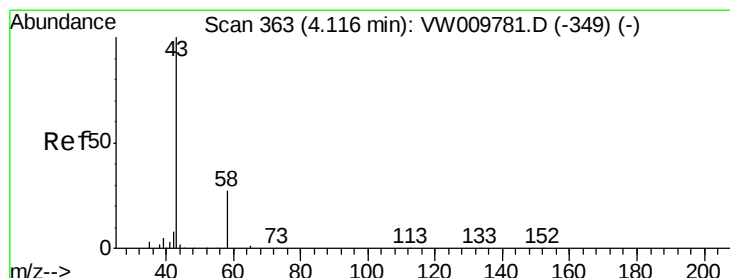
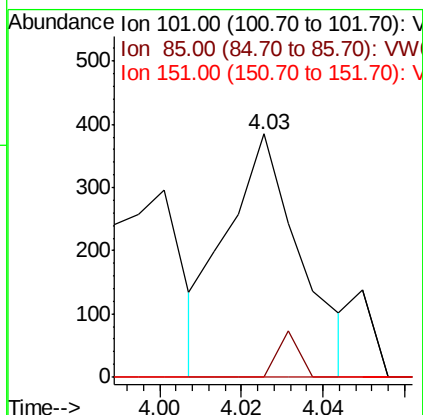
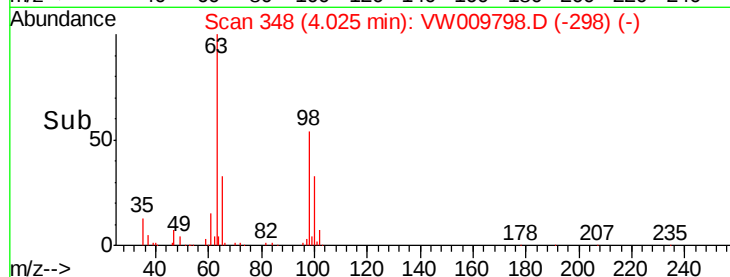
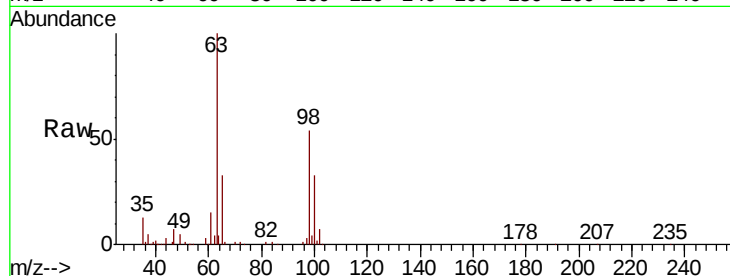
Tgt Ion: 101 Resp: 483

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

151 0.0 60.6 91.0#



#13

Acetone

Concen: 1.067 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.07 min

Lab File: VW009798.D

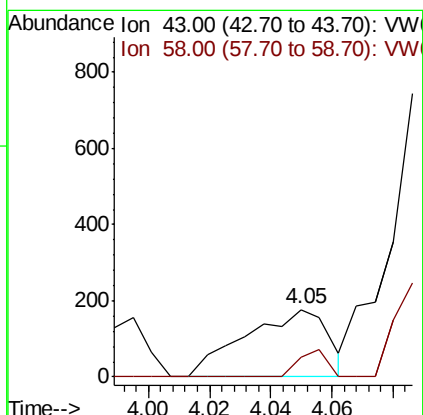
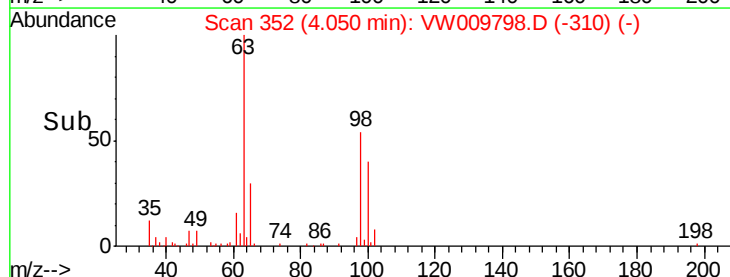
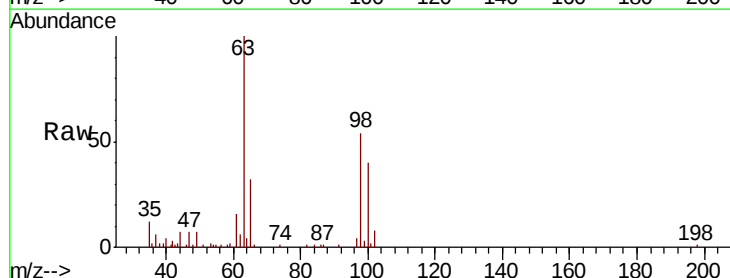
Acq: 07 Apr 2019 04:25

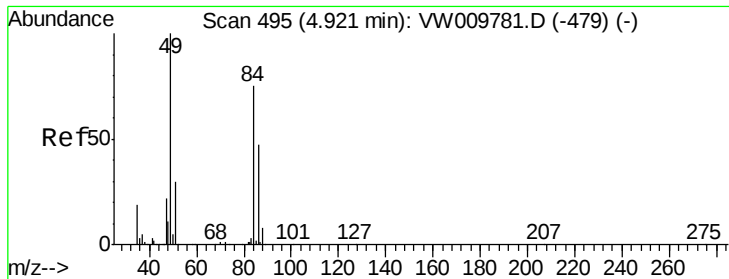
Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

58 13.4 0.0 53.0

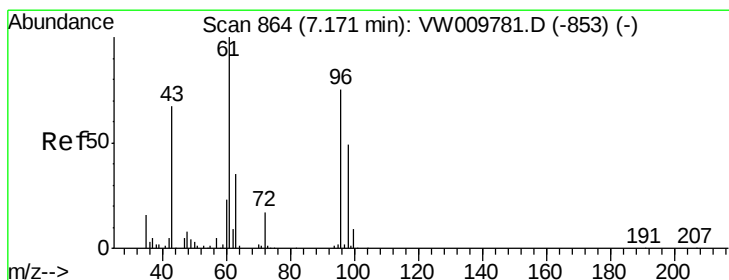
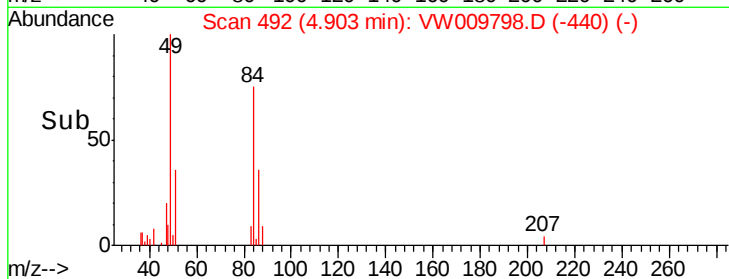
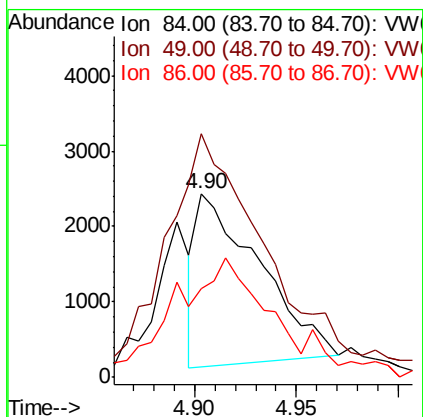
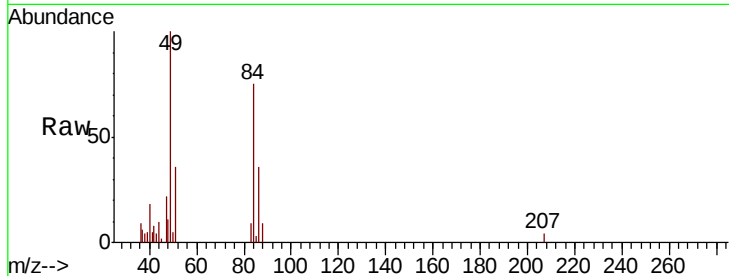




#16
Methylene chloride
Concen: 3.989 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009798.D
Acq: 07 Apr 2019 04:25

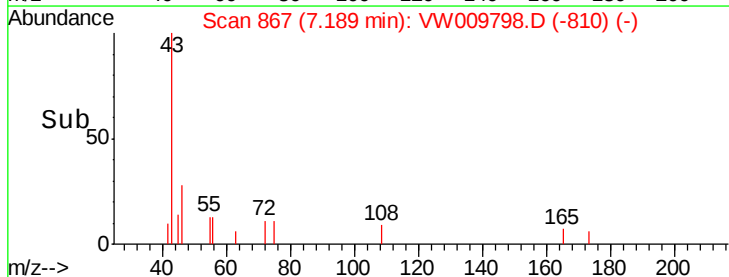
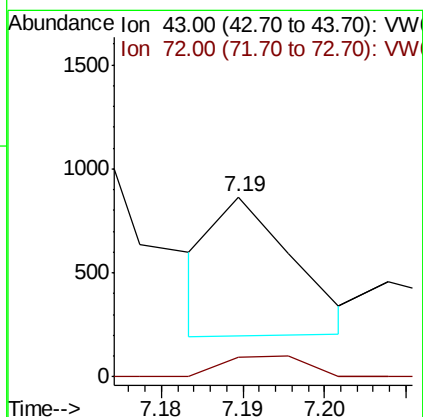
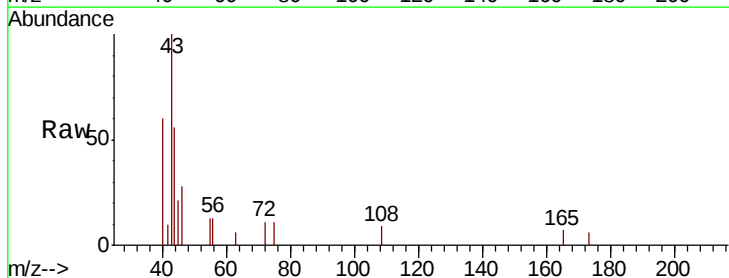
Instrument :
MSVOA_W
ClientSampled :
BF609

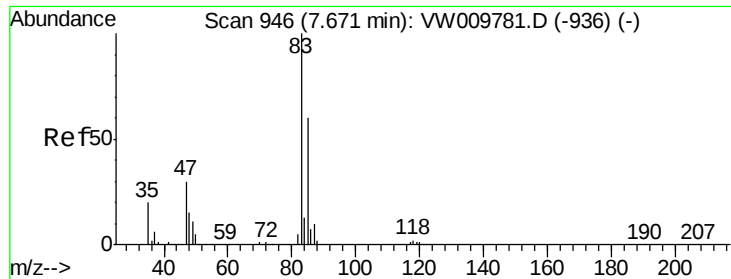
Tgt Ion: 84 Resp: 4853
Ion Ratio Lower Upper
84 100
49 132.5 98.3 182.5
86 47.9 46.4 86.2



#21
2-Butanone
Concen: 1.104 ug/L
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW009798.D
Acq: 07 Apr 2019 04:25

Tgt Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
72 16.3 12.0 36.1

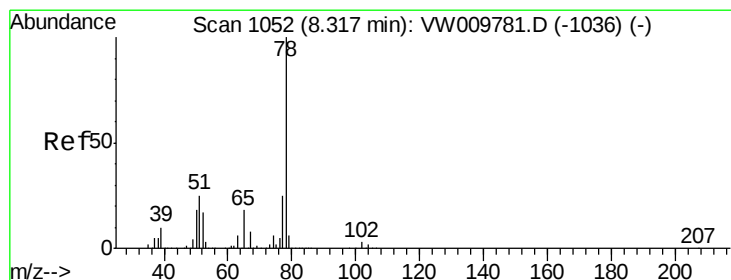
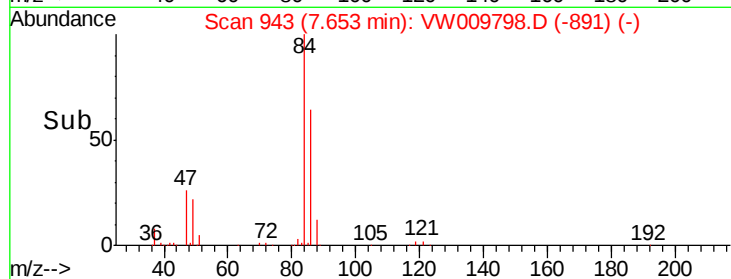
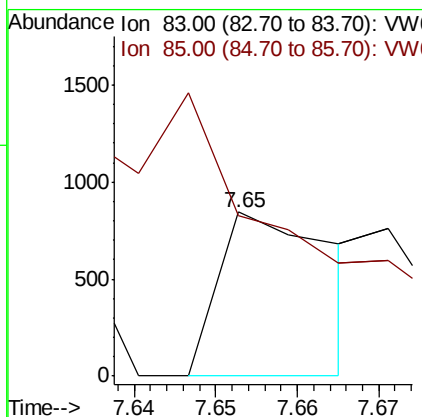
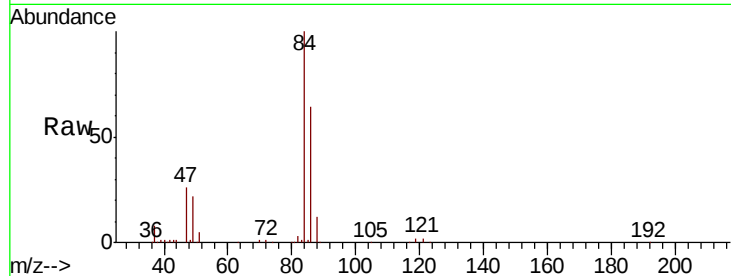




#25
Chloroform
Concen: 0.432 ug/L
RT: 7.65 min Scan# 943
Delta R.T. -0.01 min
Lab File: VW009798.D
Acq: 07 Apr 2019 04:25

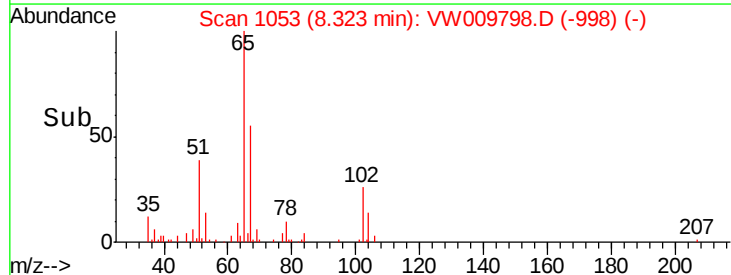
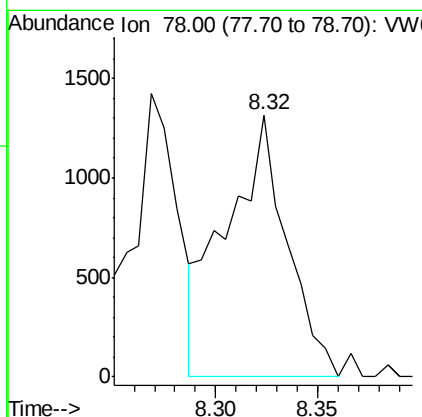
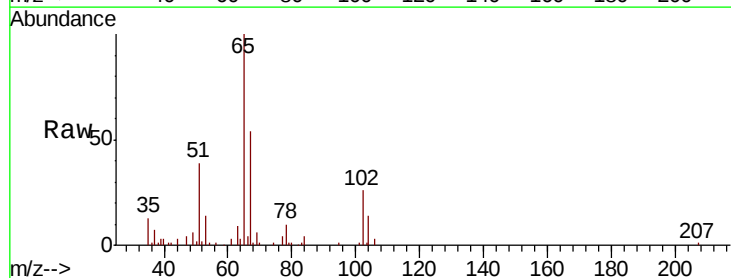
Instrument :
MSVOA_W
ClientSampled :
BF609

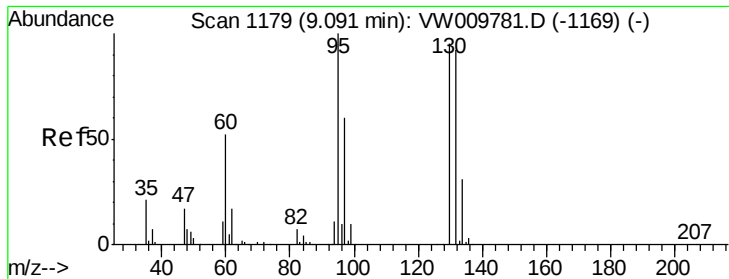
Tgt Ion: 83 Resp: 828
Ion Ratio Lower Upper
83 100
85 434.3 45.6 84.8#



#34
Benzene
Concen: 1.178 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW009798.D
Acq: 07 Apr 2019 04:25

Tgt Ion: 78 Resp: 2724





#35

Trichloroethene

Concen: 0.433 ug/L

RT: 9.07 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VW009798.D

Acq: 07 Apr 2019 04:25

Instrument :

MSVOA_W

ClientSampled :

BF609

Tgt Ion: 95 Resp: 262

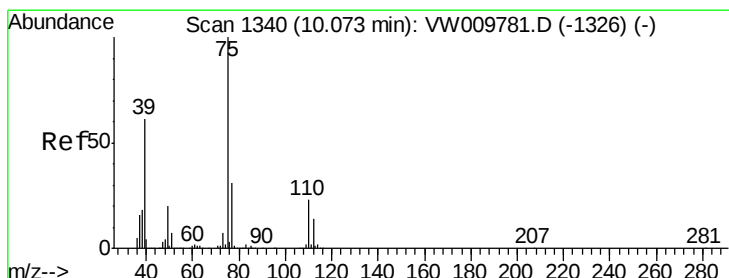
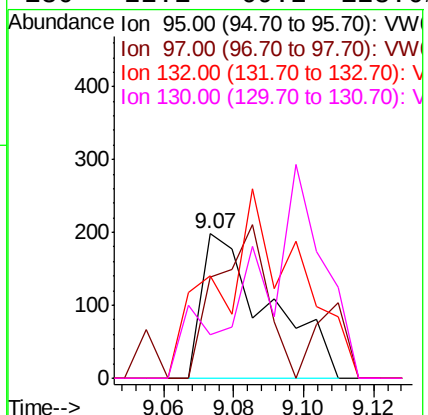
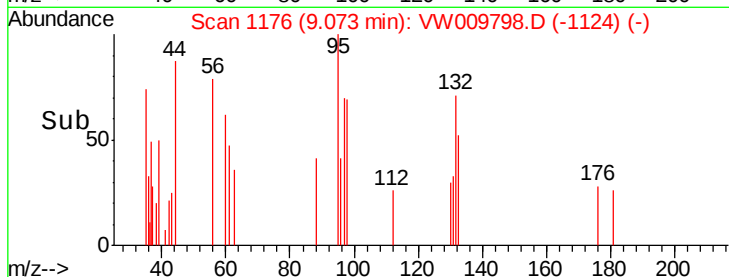
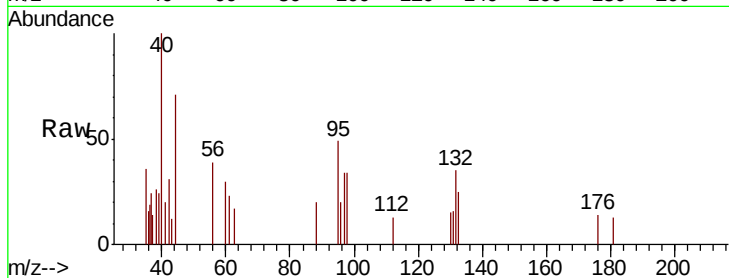
Ion Ratio Lower Upper

95 100

97 0.0 44.9 83.5#

132 48.5 67.1 124.7#

130 22.1 69.2 128.6#



#42

cis-1,3-Dichloropropene

Concen: 1.361 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009798.D

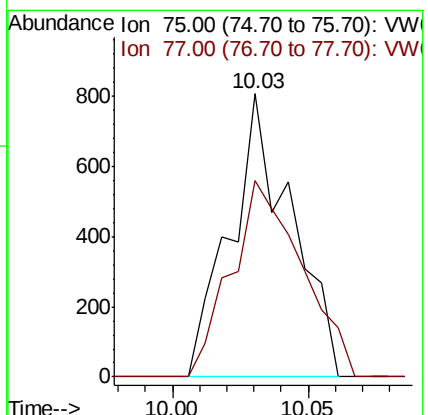
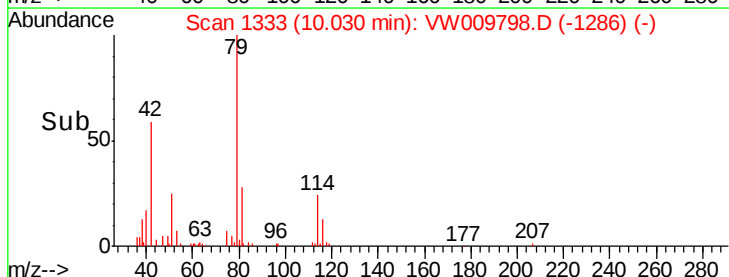
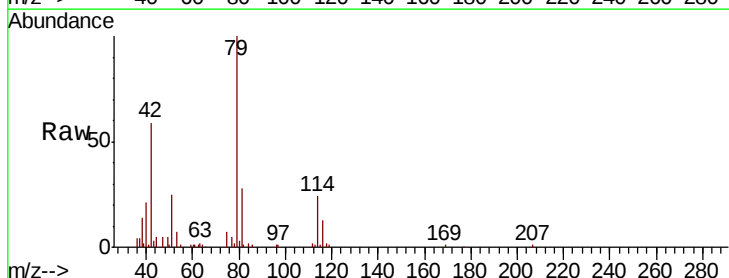
Acq: 07 Apr 2019 04:25

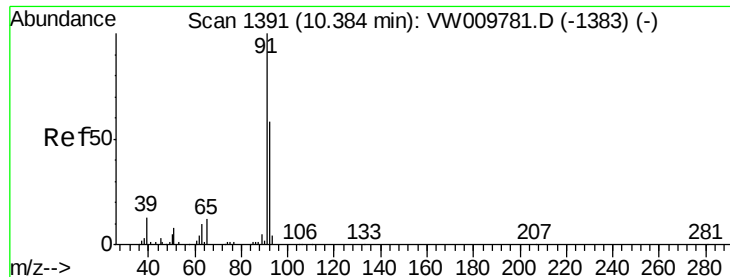
Tgt Ion: 75 Resp: 1248

Ion Ratio Lower Upper

75 100

77 69.4 21.0 39.0#





#44

Toluene

Concen: 0.735 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009798.D

Acq: 07 Apr 2019 04:25

Instrument :

MSVOA_W

ClientSampled :

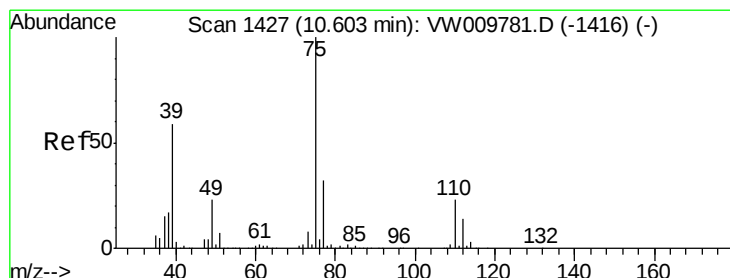
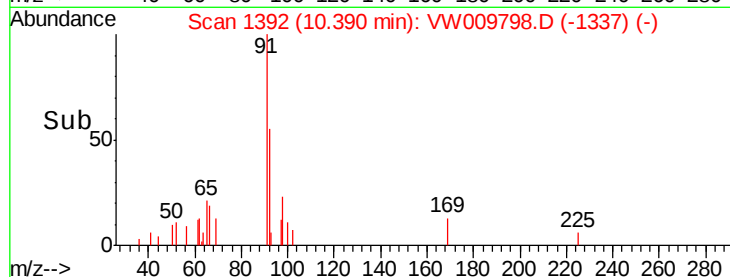
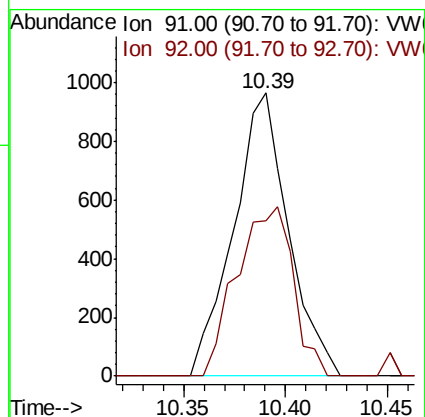
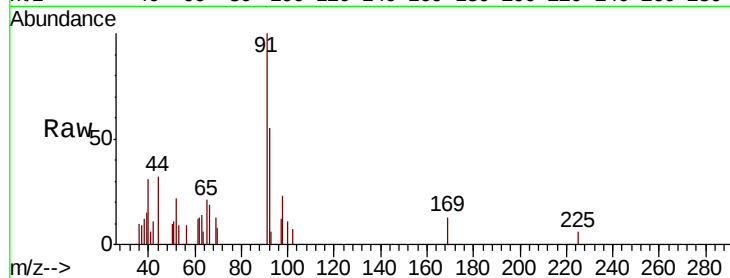
BF609

Tgt Ion: 91 Resp: 1800

Ion Ratio Lower Upper

91 100

92 55.0 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 0.717 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009798.D

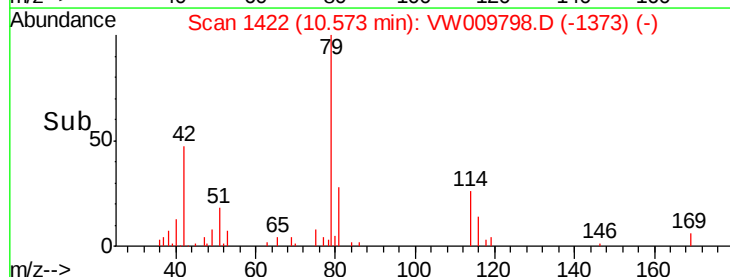
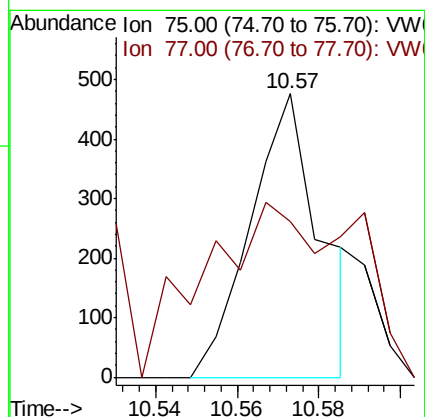
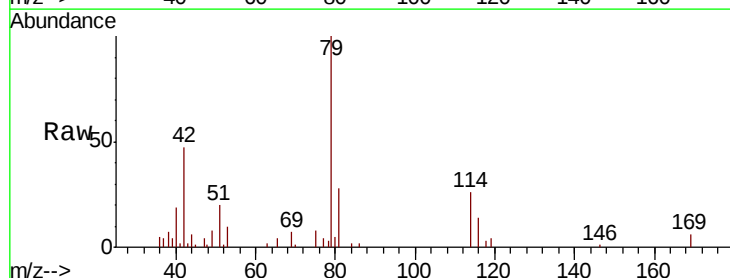
Acq: 07 Apr 2019 04:25

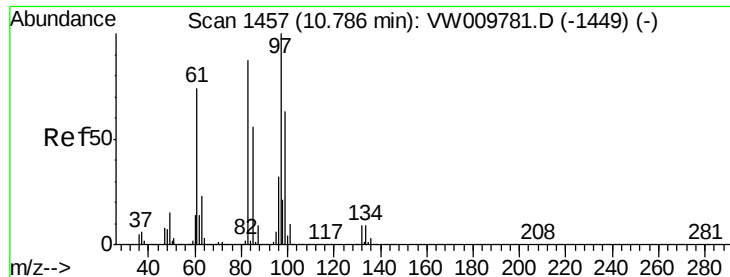
Tgt Ion: 75 Resp: 567

Ion Ratio Lower Upper

75 100

77 55.0 21.1 39.3#





#46

1,1,2-Trichloroethane

Concen: 1.105 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW009798.D

Acq: 07 Apr 2019 04:25

Instrument :

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ClientSampleId :

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Tgt Ion: 97 Resp: 491

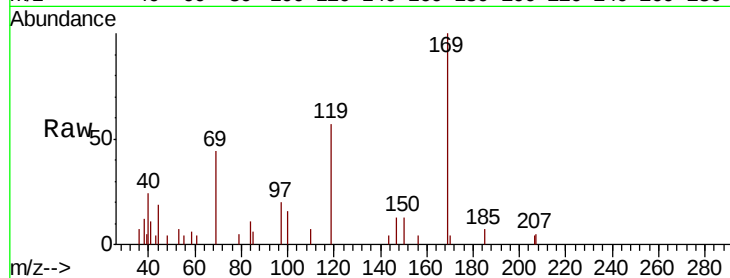
Ion Ratio Lower Upper

97 100

83 0.0 57.3 106.3#

85 32.2 38.1 70.7#

99 80.1 40.9 75.9#

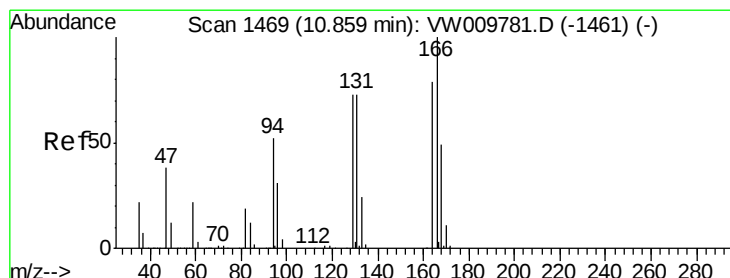
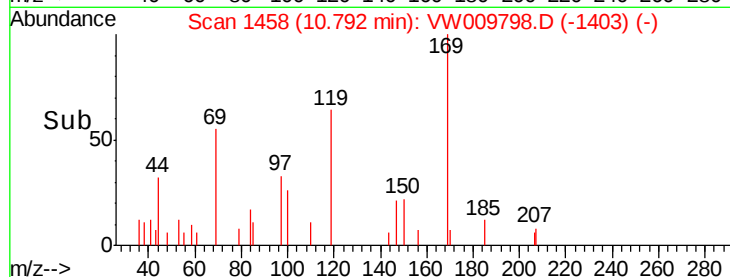
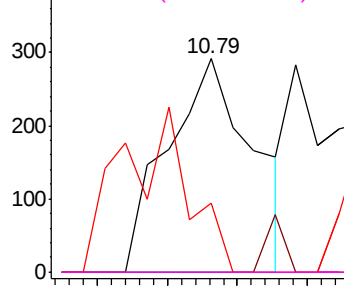


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 0.388 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009798.D

Acq: 07 Apr 2019 04:25

Tgt Ion: 164 Resp: 185

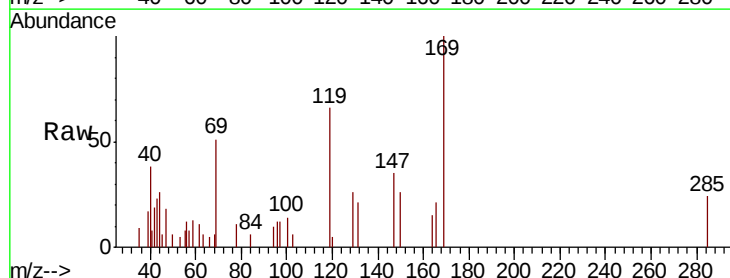
Ion Ratio Lower Upper

164 100

129 176.1 68.9 127.9#

131 146.6 63.1 117.1#

166 147.2 88.5 164.4

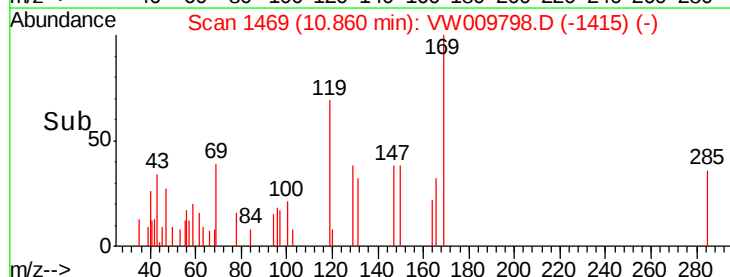
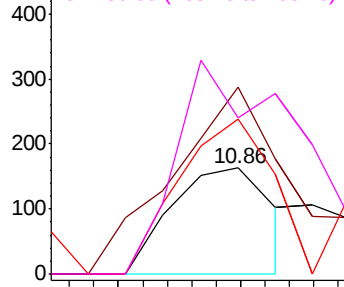


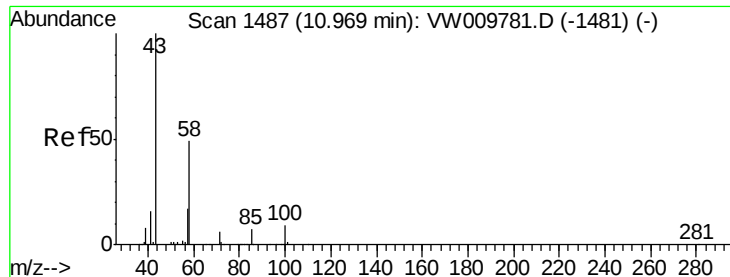
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 18.940 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009798.D

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ClientSampleId :

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Tgt Ion: 43 Resp: 6485

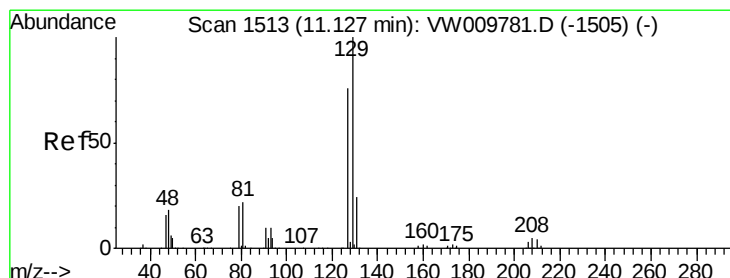
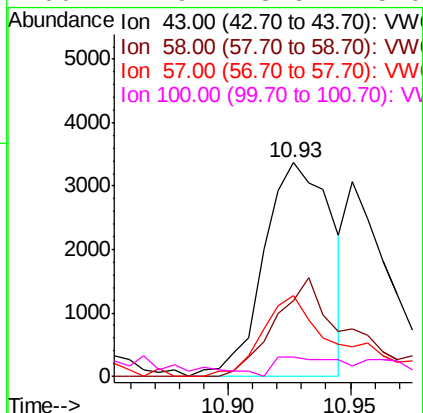
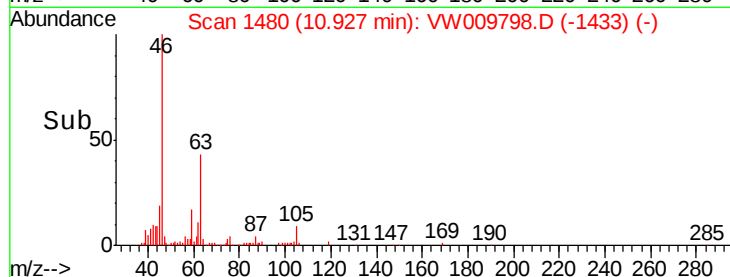
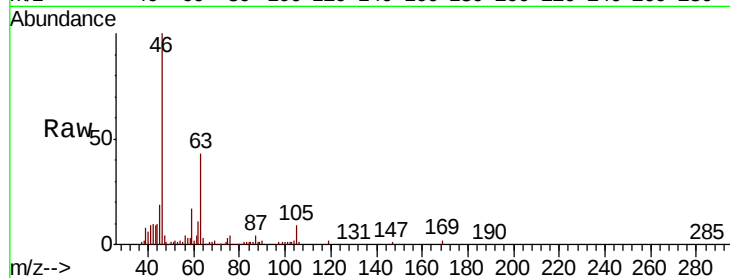
Ion Ratio Lower Upper

43 100

58 35.7 38.9 58.3#

57 34.3 13.8 20.6#

100 4.9 8.6 13.0#



#50

Dibromochloromethane

Concen: 0.713 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW009798.D

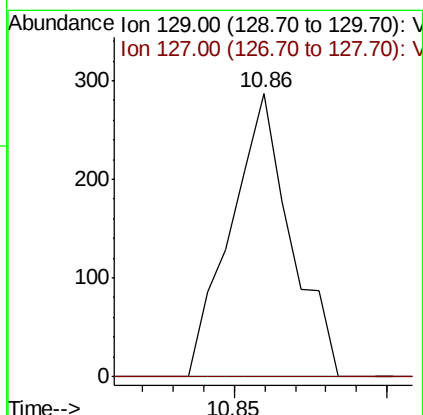
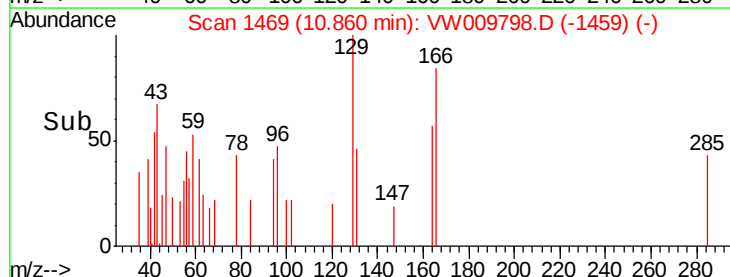
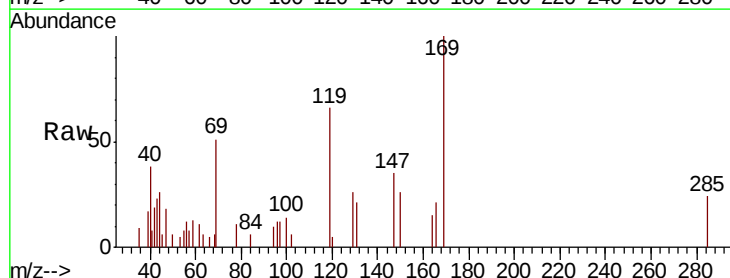
Acq: 07 Apr 2019 04:25

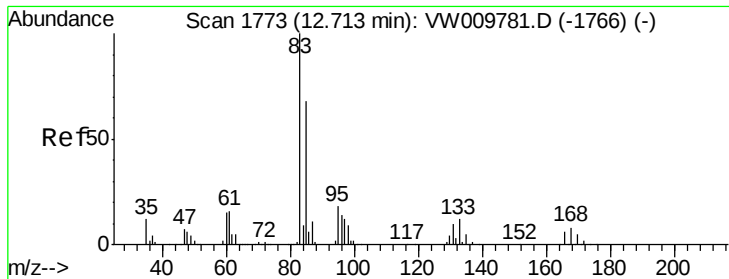
Tgt Ion: 129 Resp: 389

Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#





#58

1,1,2,2-Tetrachloroethane

Concen: 0.328 ug/L

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW009798.D

Acq: 07 Apr 2019 04:25

Instrument :

MSVOA_W

ClientSampled :

BF609

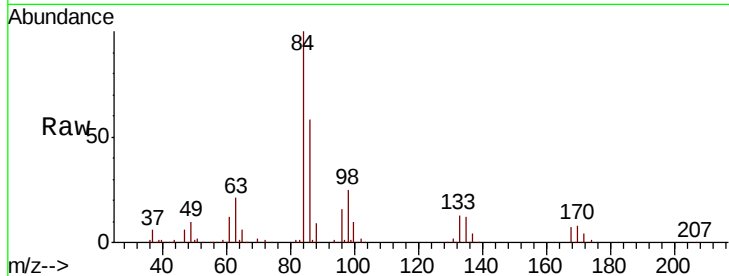
Tgt Ion: 83 Resp: 196

Ion Ratio Lower Upper

83 100

85 0.0 44.9 83.3#

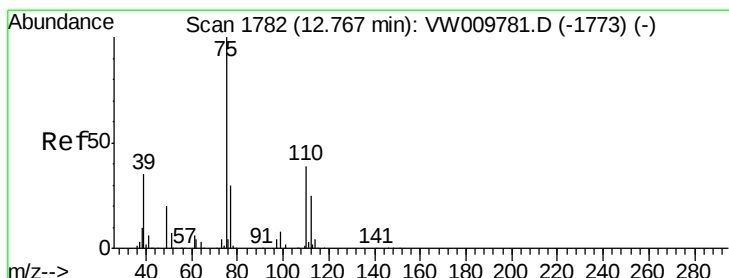
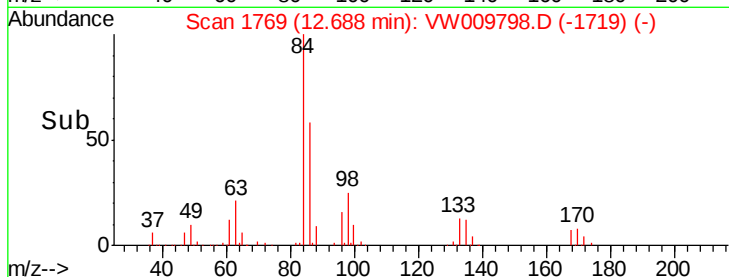
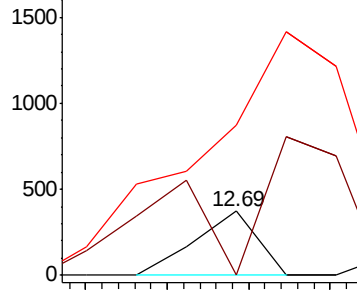
131 234.7 7.2 10.8#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 0.560 ug/L

RT: 12.60 min Scan# 1755

Delta R.T. -0.16 min

Lab File: VW009798.D

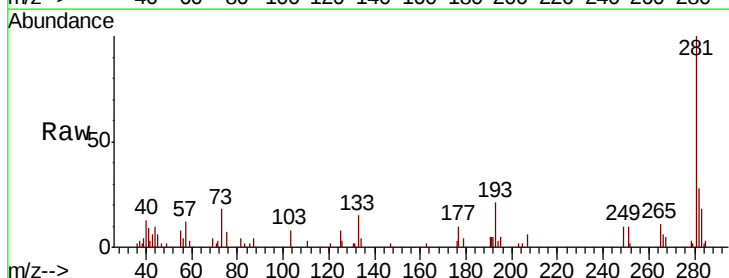
Acq: 07 Apr 2019 04:25

Tgt Ion: 75 Resp: 249

Ion Ratio Lower Upper

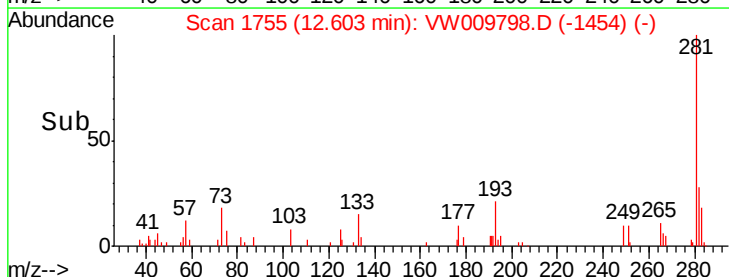
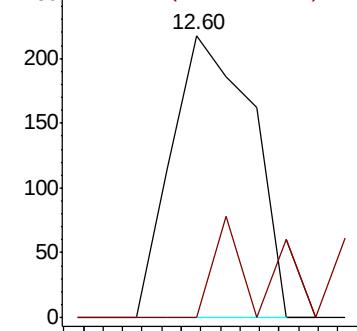
75 100

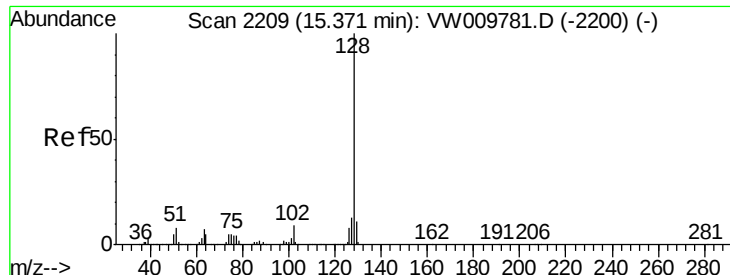
77 11.6 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#69

Naphthalene

Concen: 0.254 ug/L

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW009798.D

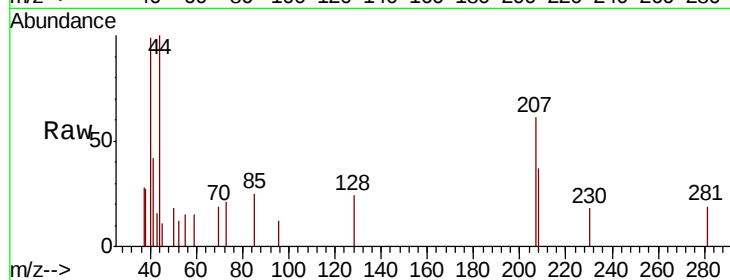
Acq: 07 Apr 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

BF609



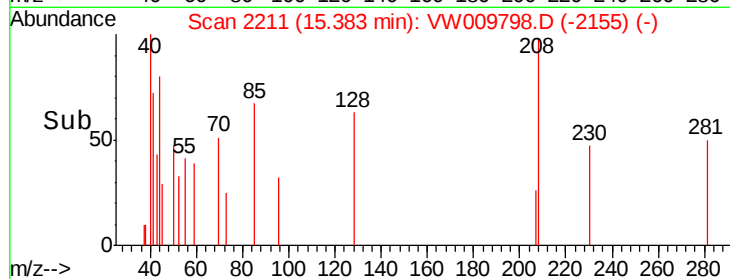
Tgt Ion:128 Resp: 119

Ion Ratio Lower Upper

128 100

129 0.0 8.5 12.7#

127 0.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

