

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002410.D
 Acq On : 11 May 2018 05:24
 Operator : JC/SY
 Sample : J2772-02
 Misc : 5.33G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 11 06:52:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	152766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	102074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	12907	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	58144	66.77	ug/l	0.00
Spiked Amount			Recovery	=	133.54%	
35) Dibromofluoromethane	7.88	113	55201	56.38	ug/l	0.00
Spiked Amount			Recovery	=	112.76%	
50) Toluene-d8	10.33	98	132530	35.49	ug/l	0.00
Spiked Amount			Recovery	=	70.98%	
62) 4-Bromofluorobenzene	12.63	95	21321	15.80	ug/l	0.00
Spiked Amount			Recovery	=	31.60%	

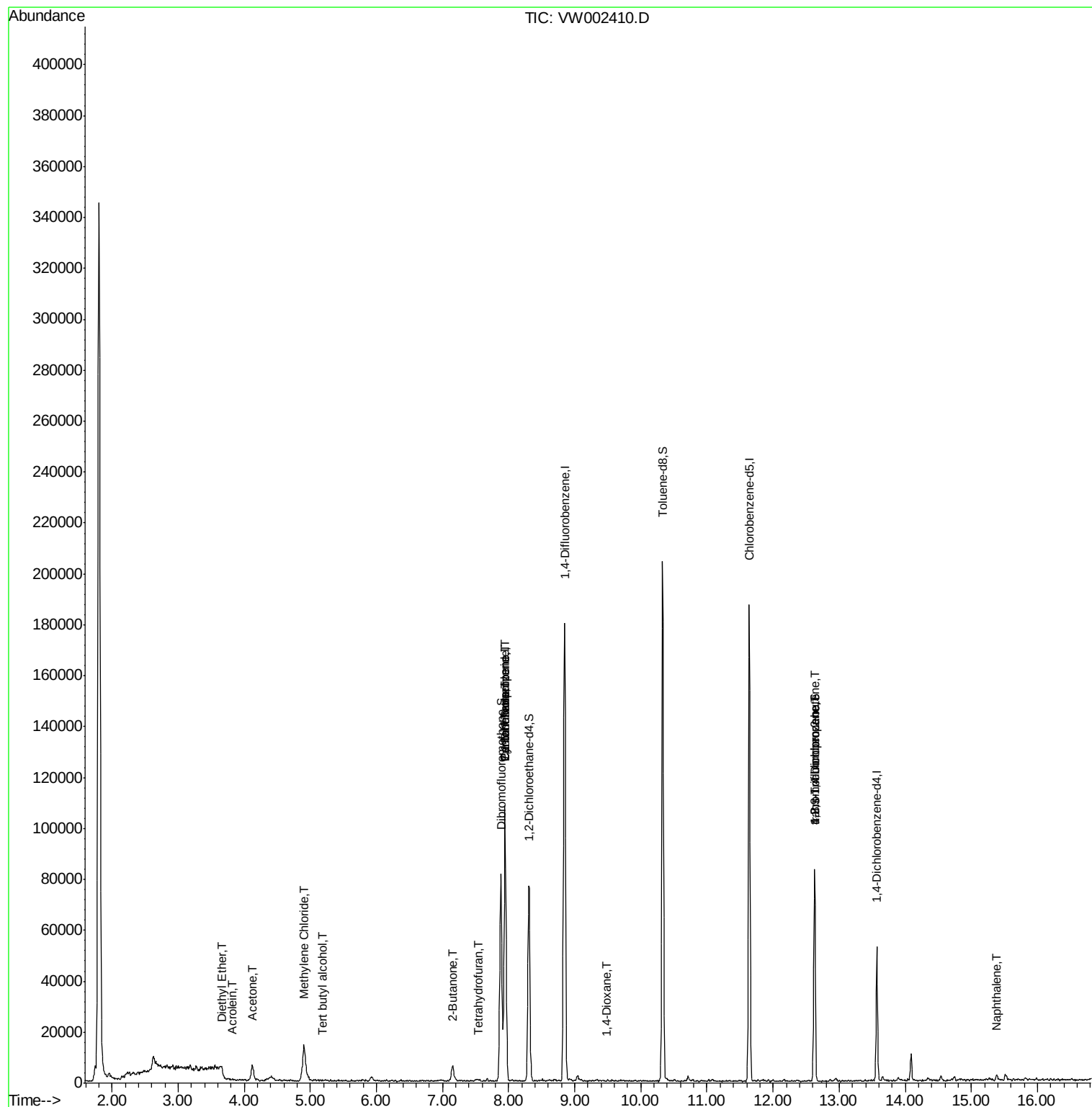
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	662	1.40	ug/l #	38
11) Tert butyl alcohol	5.18	59	345	5.45	ug/l #	85
13) Acrolein	3.82	56	65	1.23	ug/l #	14
16) Acetone	4.12	43	10146	59.66	ug/l	92
20) Methylene Chloride	4.90	84	11297	13.78	ug/l	98
25) 2-Butanone	7.16	43	351	1.39	ug/l #	49
29) Tetrahydrofuran	7.53	42	304	1.84	ug/l #	38
31) Cyclohexane	7.95	56	2009	1.55	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6300	4.56	ug/l #	50
38) Carbon Tetrachloride	7.94	117	7682	5.75	ug/l #	17
49) 1,4-Dioxane	9.48	88	56	6.23	ug/l #	23
76) 1,2,3-Trichloropropane	12.63	75	11443	99.98	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	11443	263.35	ug/l #	10
95) Naphthalene	15.38	128	1723	3.45	ug/l #	85

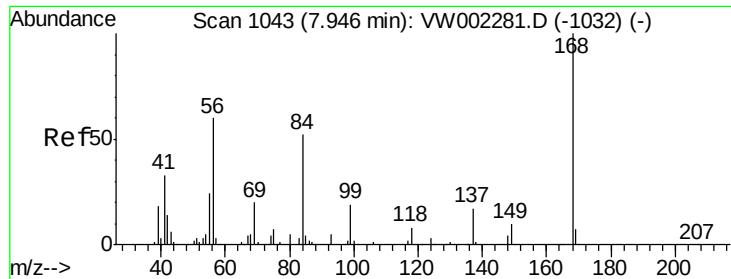
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002410.D

Acq: 11 May 2018 05:24

Instrument :

MSVOA_W

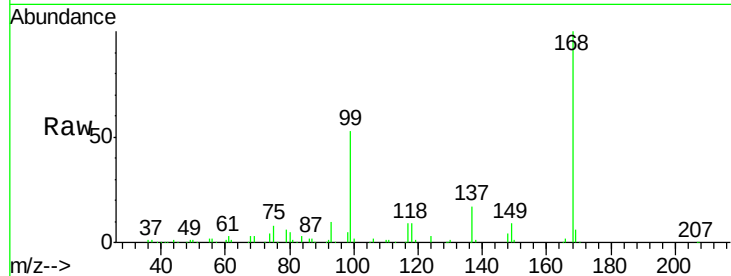
ClientSampleId :

Tot Ion:168 Resp: 82007

Ion Ratio Lower Upper

168 100

99 53.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

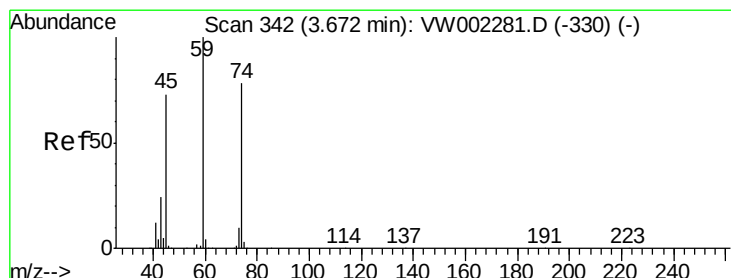
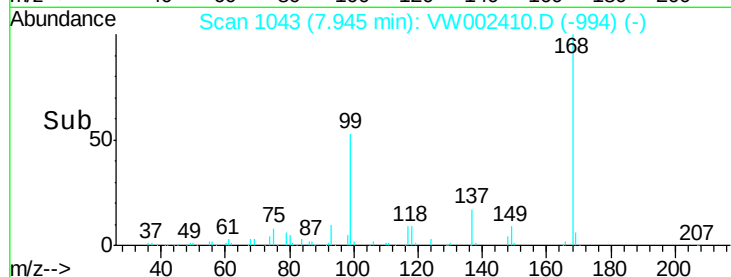
20000

10000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.40 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.01 min

Lab File: VW002410.D

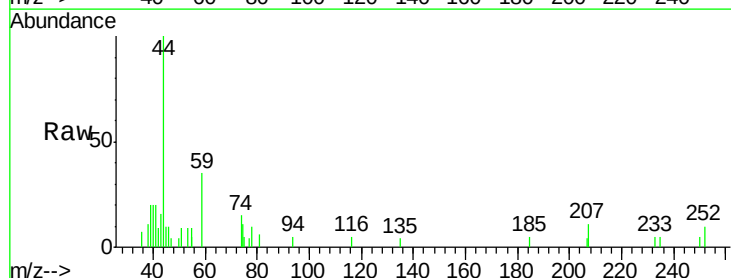
Acq: 11 May 2018 05:24

Tgt Ion: 74 Resp: 662

Ion Ratio Lower Upper

74 100

45 37.6 49.5 148.5#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

300

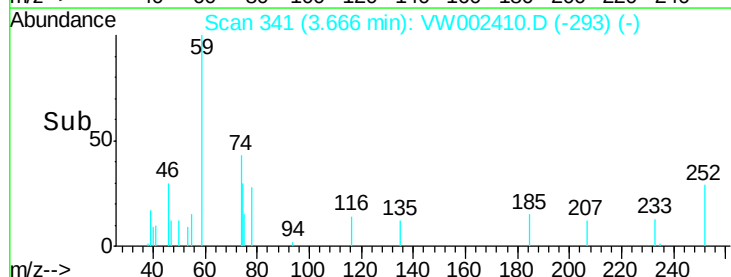
200

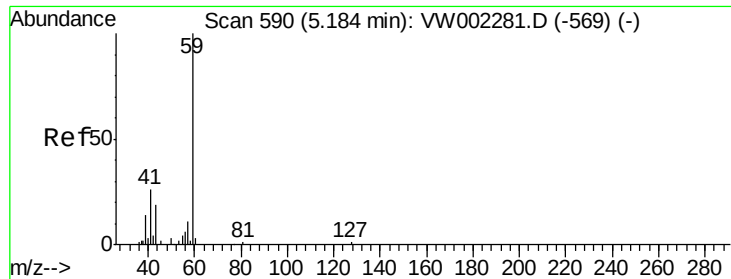
100

0

3.60 3.65 3.70

Time-->

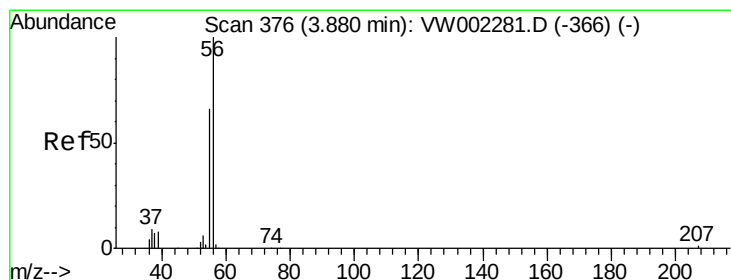
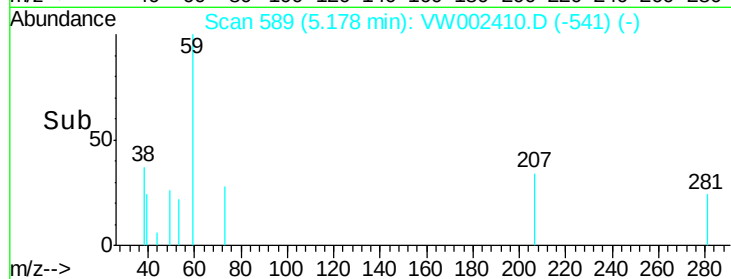
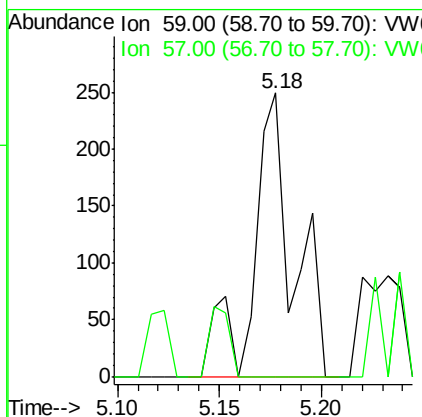
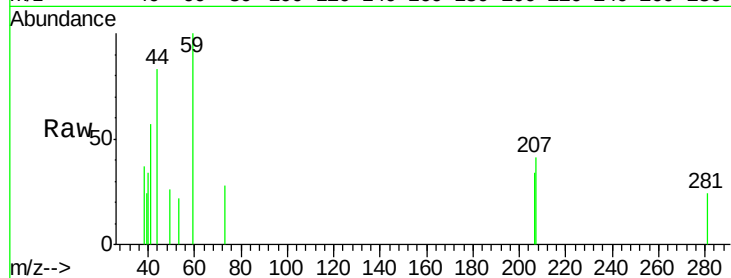




#11
Tert butyl alcohol
Concen: 5.45 ug/l
RT: 5.18 min Scan# 589
Delta R.T. -0.01 min
Lab File: VW002410.D
Acq: 11 May 2018 05:24

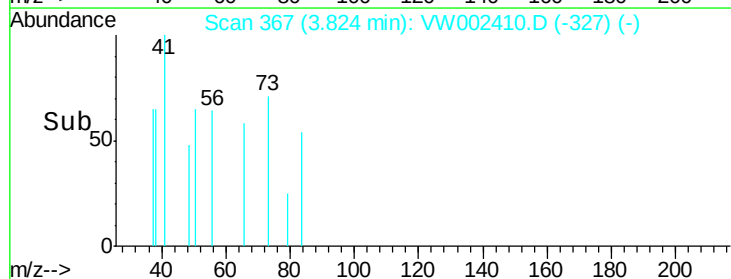
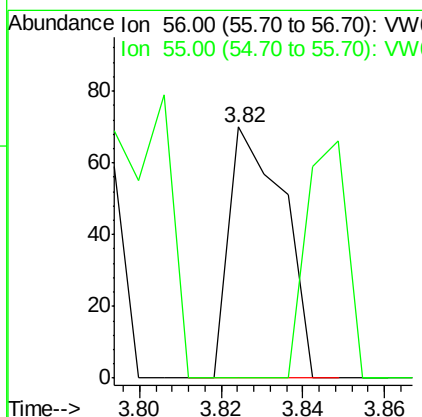
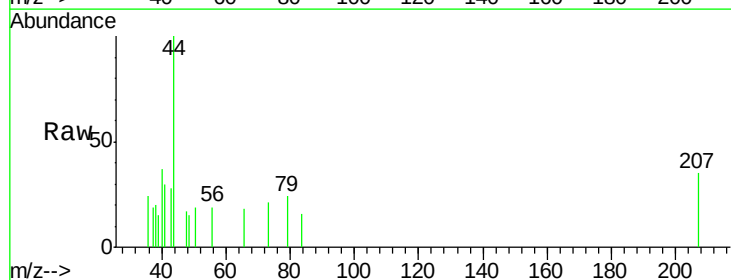
Instrument :
MSVOA_W
ClientSampled :

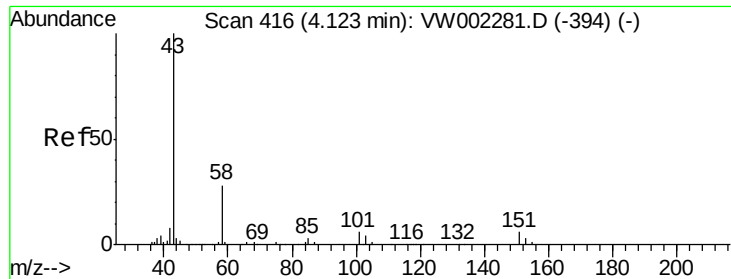
Tot Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#



#13
Acrolein
Concen: 1.23 ug/l
RT: 3.82 min Scan# 367
Delta R.T. -0.06 min
Lab File: VW002410.D
Acq: 11 May 2018 05:24

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#

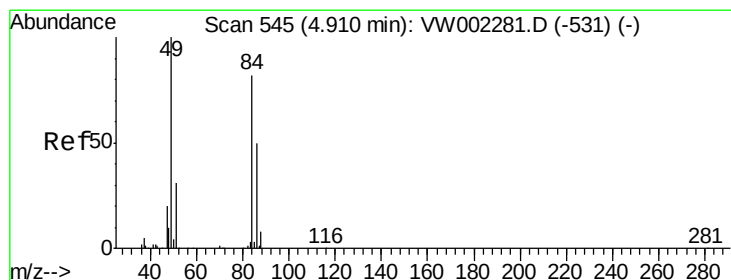
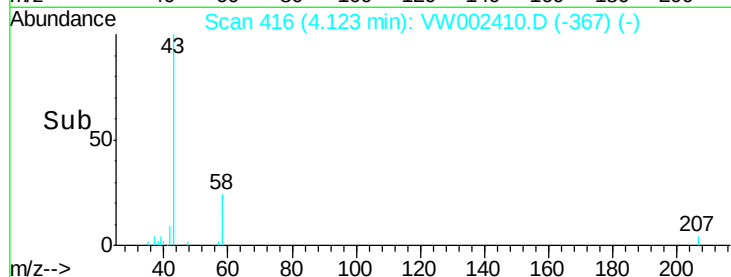
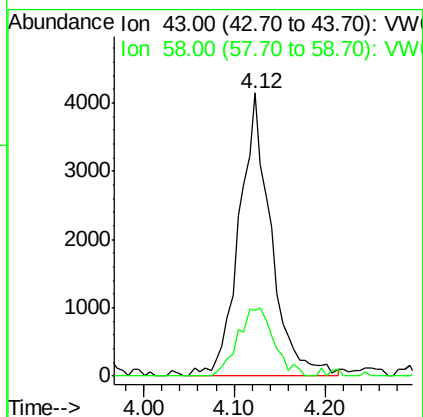
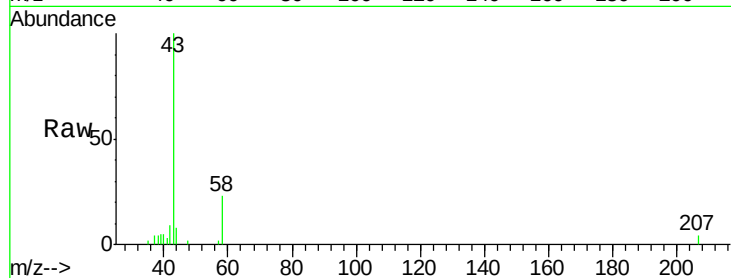




#16
Acetone
Concen: 59.66 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.00 min
Lab File: VW002410.D
Acq: 11 May 2018 05:24

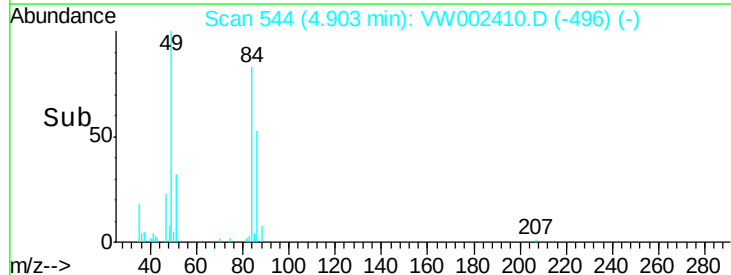
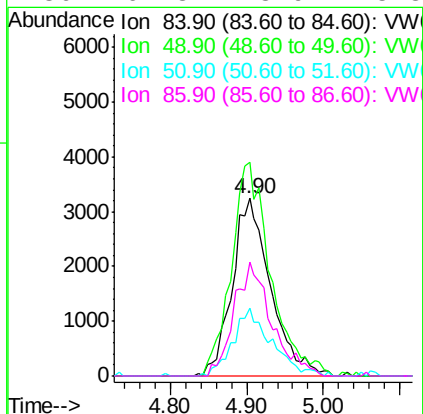
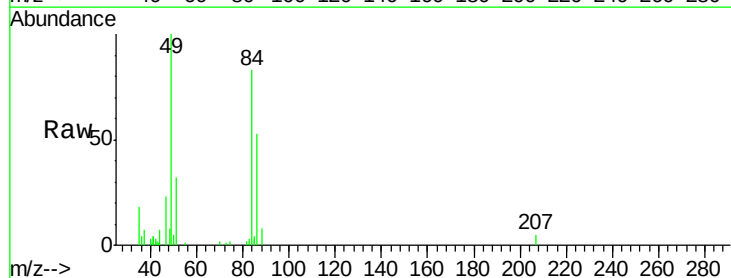
Instrument :
MSVOA_W
ClientSampleId :

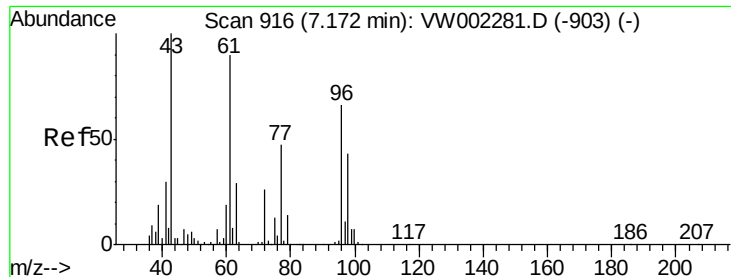
Tot Ion: 43 Resp: 10146
Ion Ratio Lower Upper
43 100
58 23.4 22.2 33.4



#20
Methylene Chloride
Concen: 13.78 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002410.D
Acq: 11 May 2018 05:24

Tgt Ion: 84 Resp: 11297
Ion Ratio Lower Upper
84 100
49 120.4 97.7 146.5
51 38.6 30.2 45.4
86 64.3 48.9 73.3





#25

2-Butanone

Concen: 1.39 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002410.D

Acq: 11 May 2018 05:24

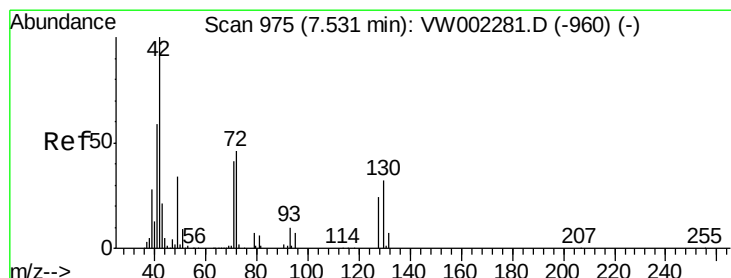
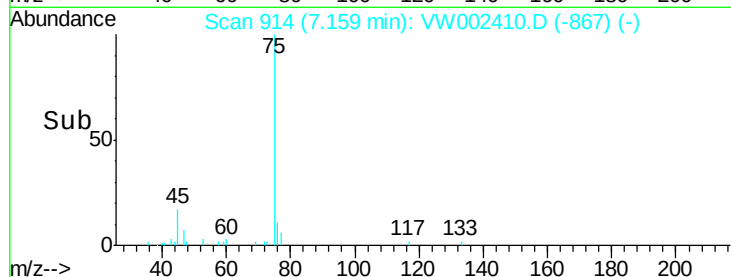
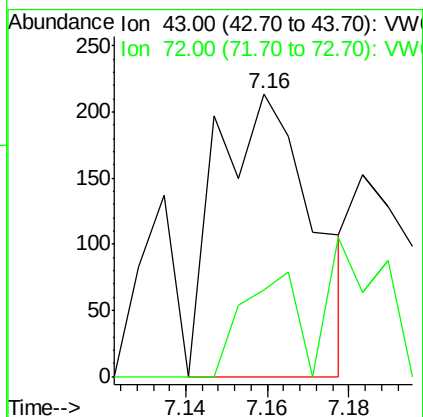
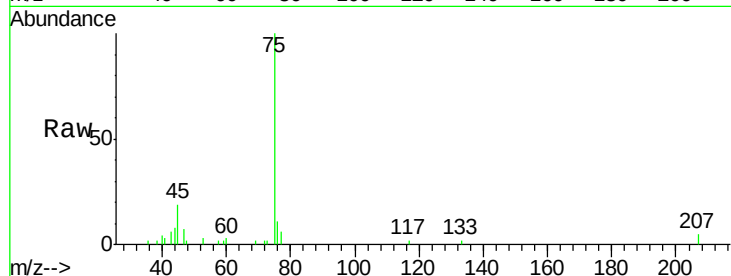
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 351

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#29

Tetrahydrofuran

Concen: 1.84 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW002410.D

Acq: 11 May 2018 05:24

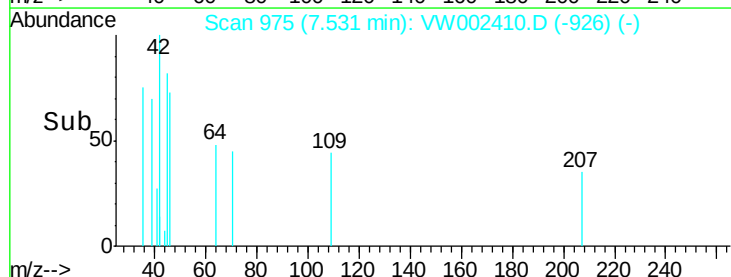
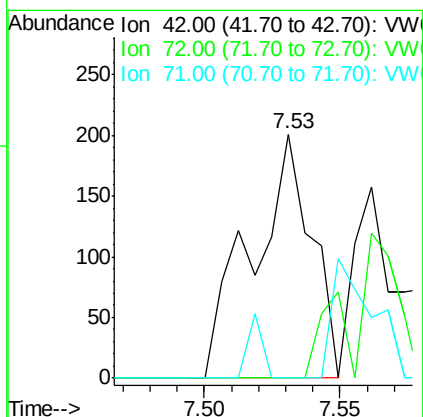
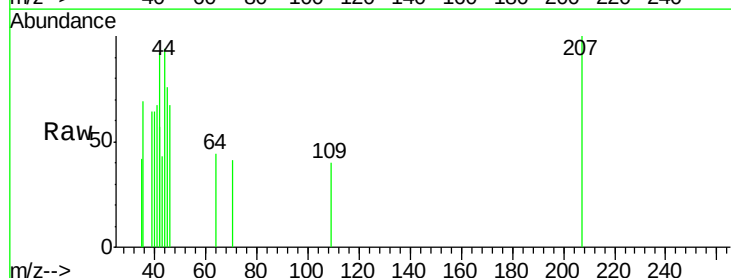
Tgt Ion: 42 Resp: 304

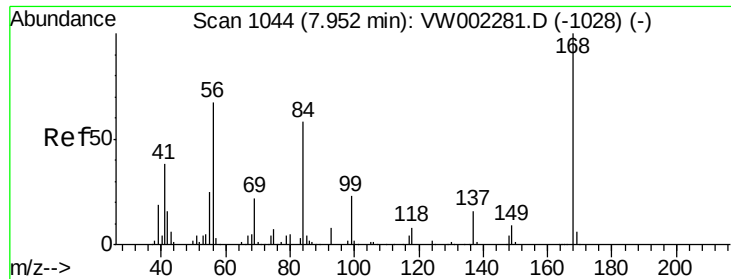
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 6.3 33.0 49.6#





#31

Cyclohexane

Concen: 1.55 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002410.D

Acq: 11 May 2018 05:24

Instrument :
MSVOA_W
ClientSampled :

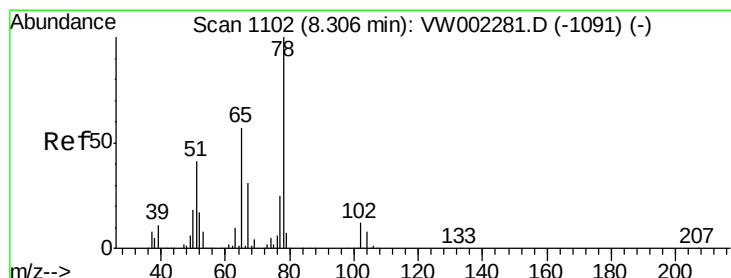
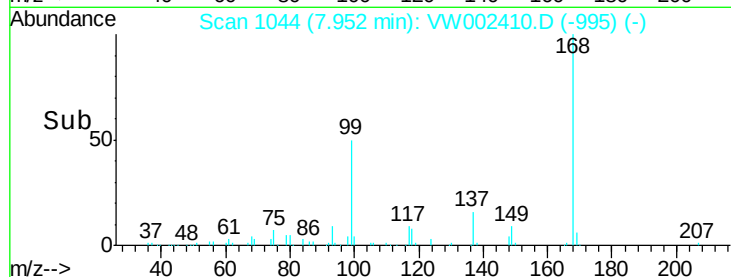
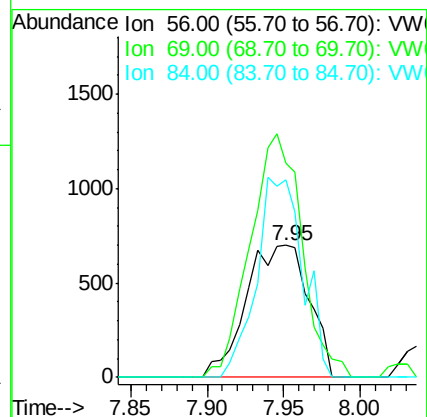
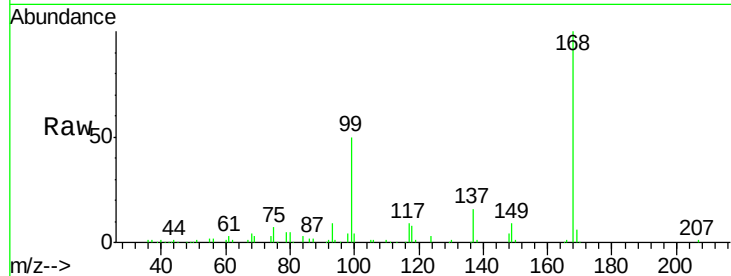
Tot Ion: 56 Resp: 2009

Ion Ratio Lower Upper

56 100

69 162.7 26.2 39.4#

84 149.6 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 66.77 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002410.D

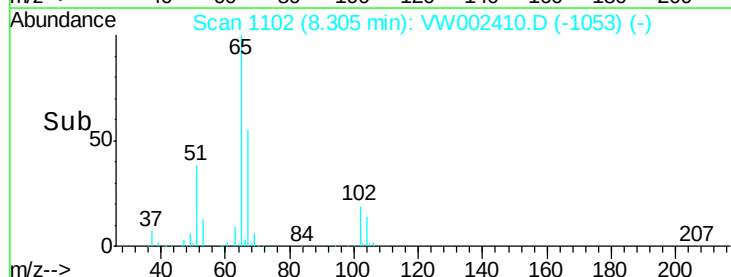
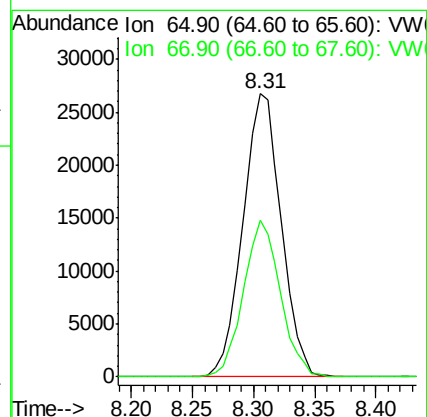
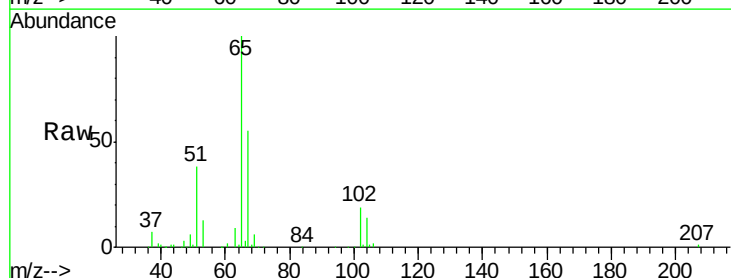
Acq: 11 May 2018 05:24

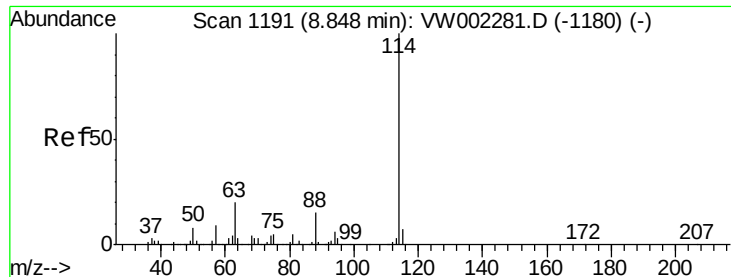
Tgt Ion: 65 Resp: 58144

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.2

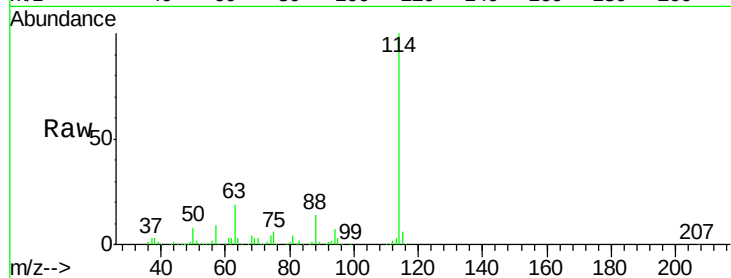




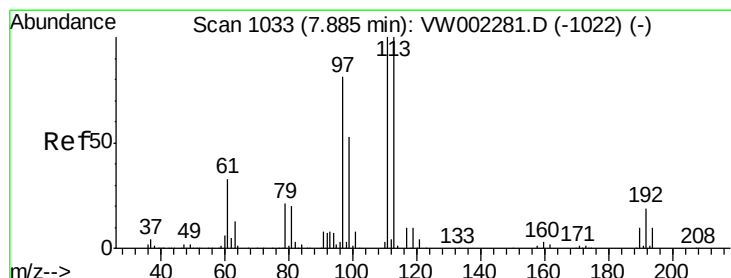
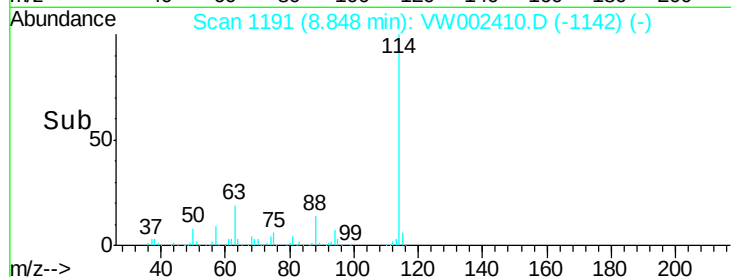
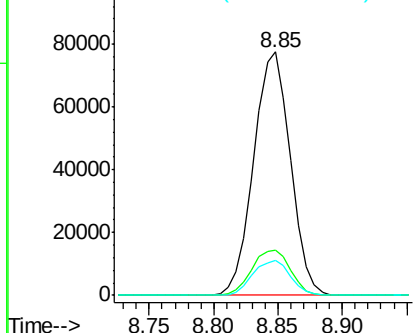
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002410.D
 Acq: 11 May 2018 05:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 152766
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.0
 88 14.1 0.0 29.6

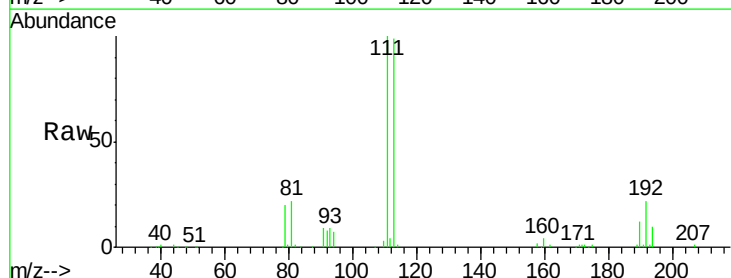


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

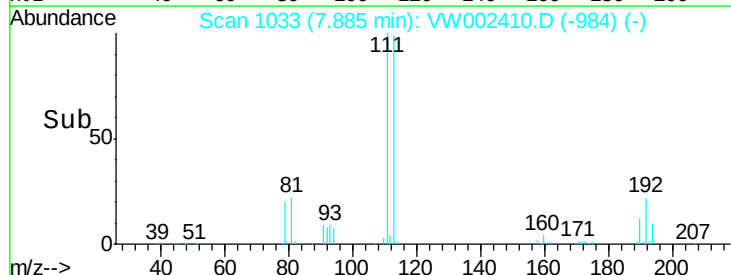
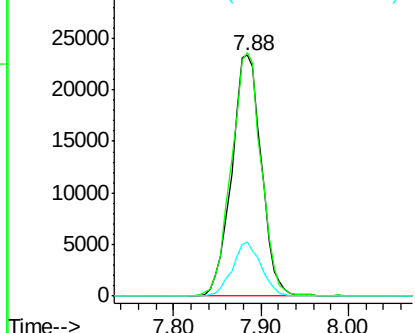


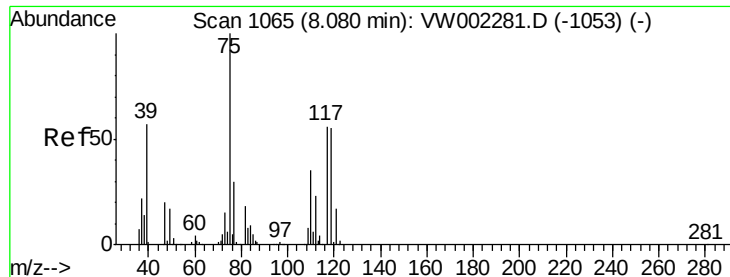
#35
 Dibromofluoromethane
 Concen: 56.38 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002410.D
 Acq: 11 May 2018 05:24

Tgt Ion:113 Resp: 55201
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 21.6 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.56 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002410.D

Acq: 11 May 2018 05:24

Instrument :

MSVOA_W

ClientSampleId :

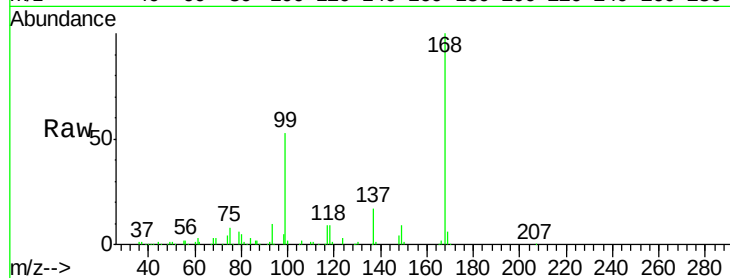
Tot Ion: 75 Resp: 6300

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

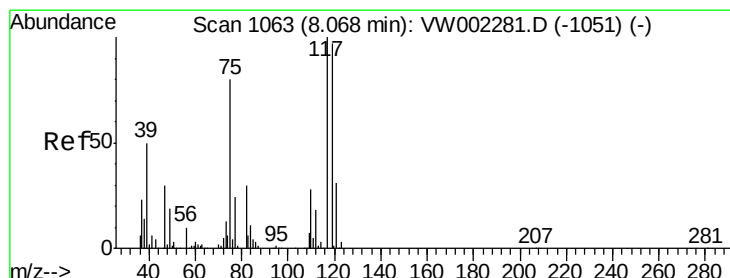
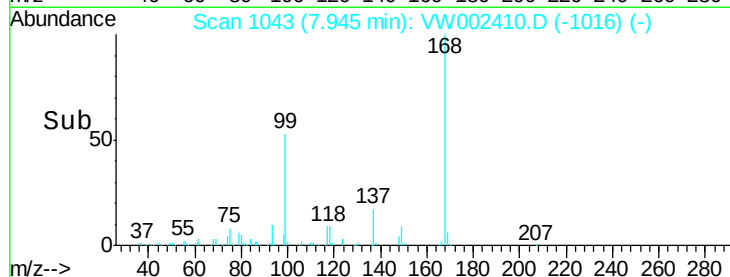
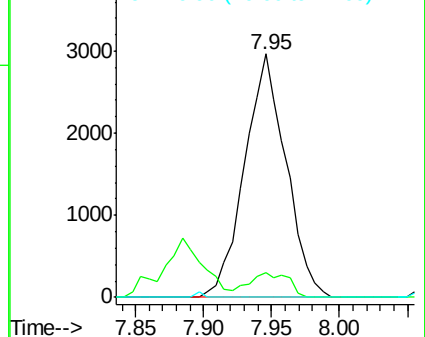
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.75 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.13 min

Lab File: VW002410.D

Acq: 11 May 2018 05:24

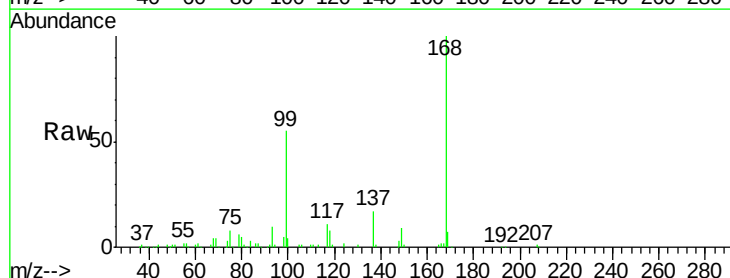
Tgt Ion: 117 Resp: 7682

Ion Ratio Lower Upper

117 100

119 7.2 77.5 116.3#

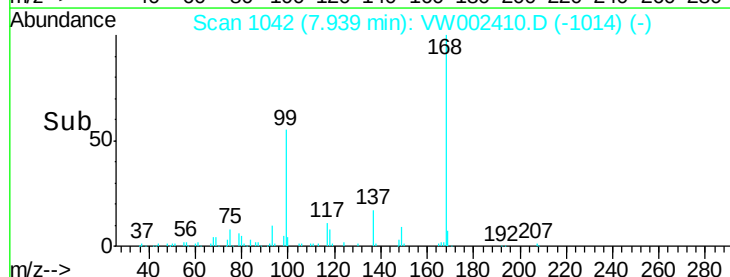
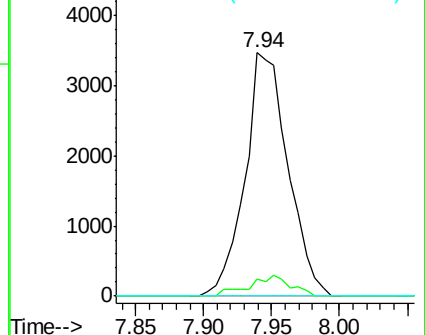
121 0.0 24.4 36.6#

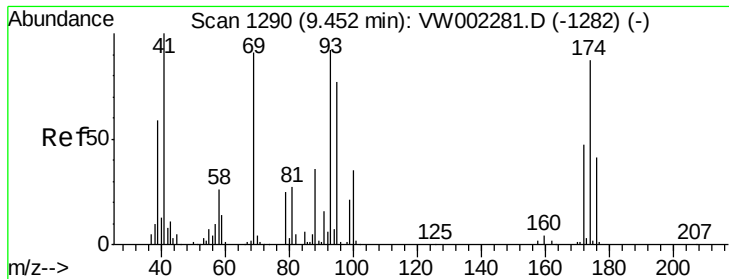


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 6.23 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.02 min

Lab File: VW002410.D

Acq: 11 May 2018 05:24

Instrument :
MSVOA_W
ClientSampleId :

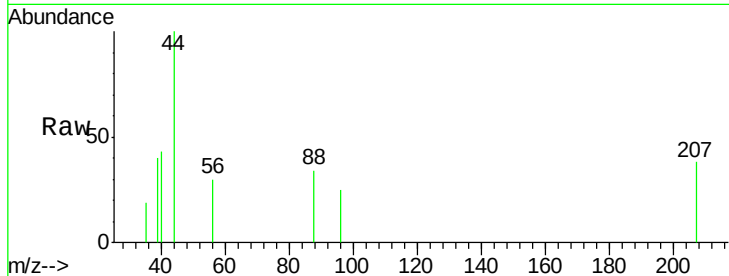
Tot Ion: 88 Resp: 56

Ion Ratio Lower Upper

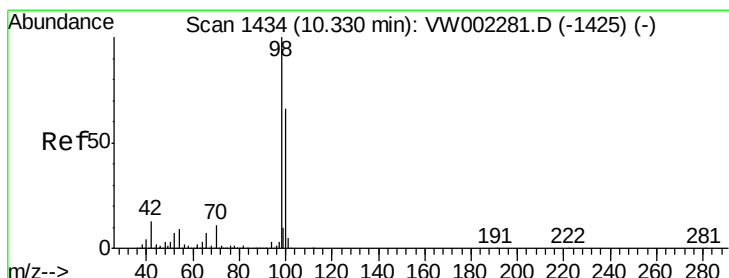
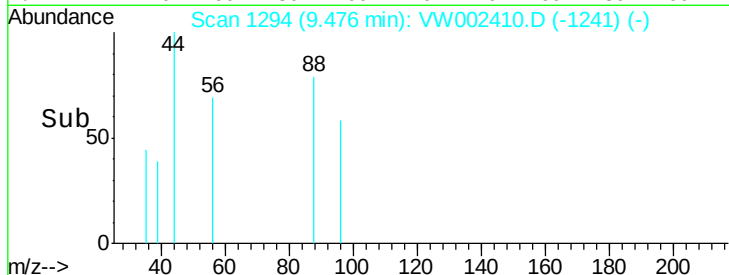
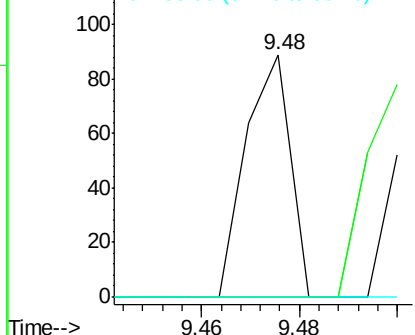
88 100

43 0.0 26.3 39.5#

58 0.0 56.0 84.0#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 35.49 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002410.D

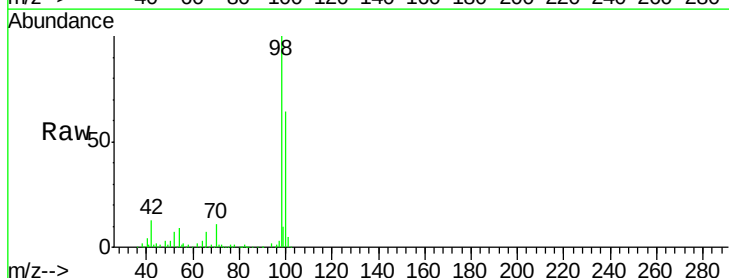
Acq: 11 May 2018 05:24

Tgt Ion: 98 Resp: 132530

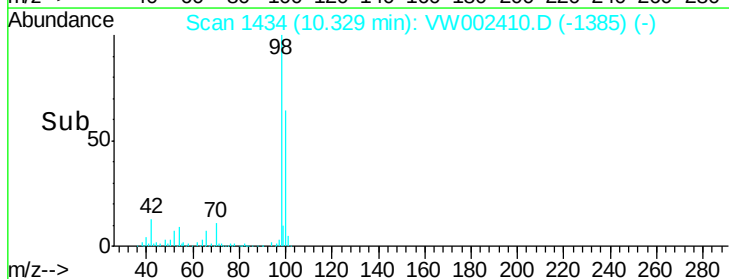
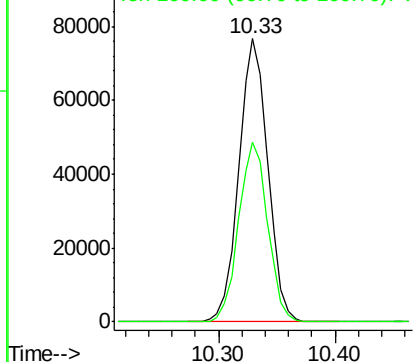
Ion Ratio Lower Upper

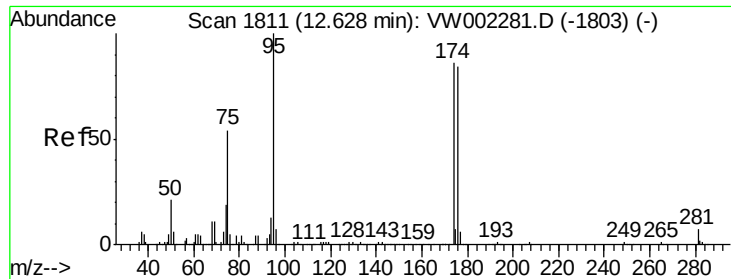
98 100

100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 15.80 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002410.D

Acq: 11 May 2018 05:24

Instrument :

MSVOA_W

ClientSampleId :

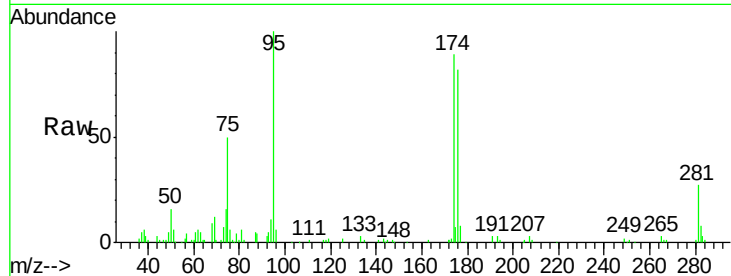
Tot Ion: 95 Resp: 21321

Ion Ratio Lower Upper

95 100

174 93.5 0.0 176.8

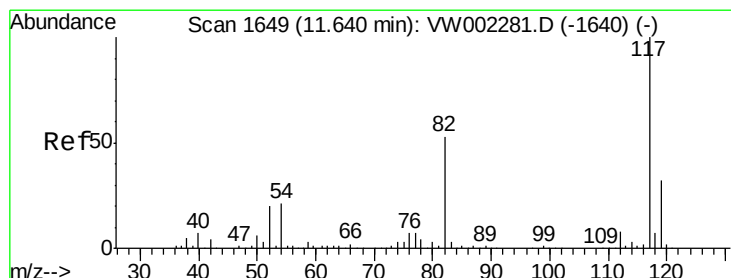
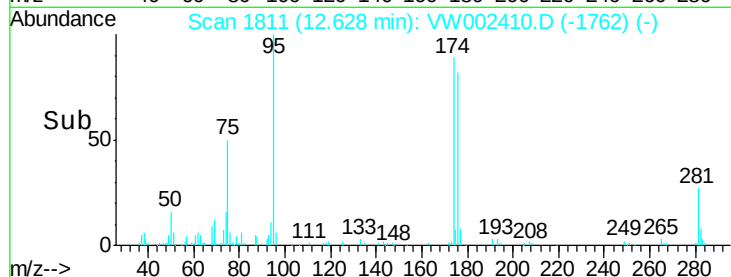
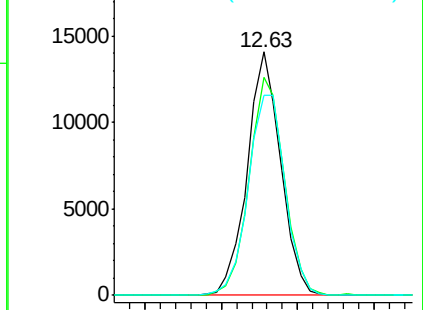
176 91.5 0.0 170.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW002410.D

Acq: 11 May 2018 05:24

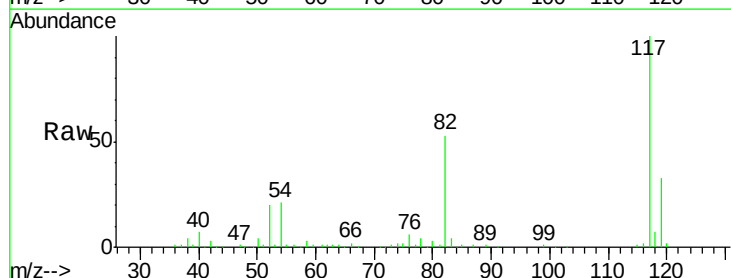
Tgt Ion: 117 Resp: 102074

Ion Ratio Lower Upper

117 100

82 52.6 42.6 63.8

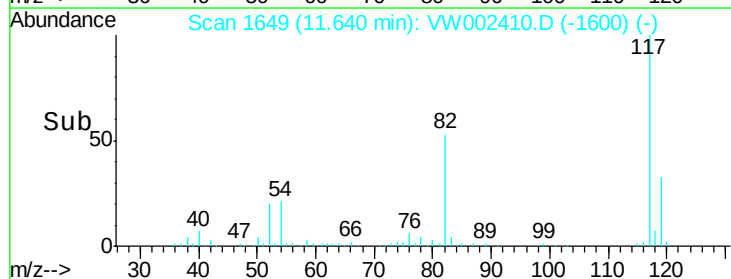
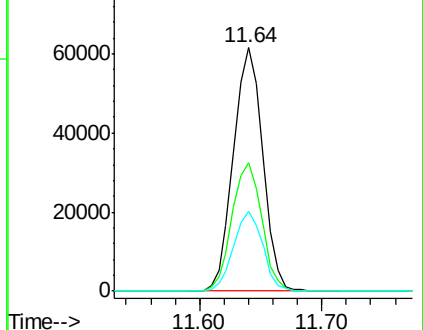
119 32.7 25.2 37.8

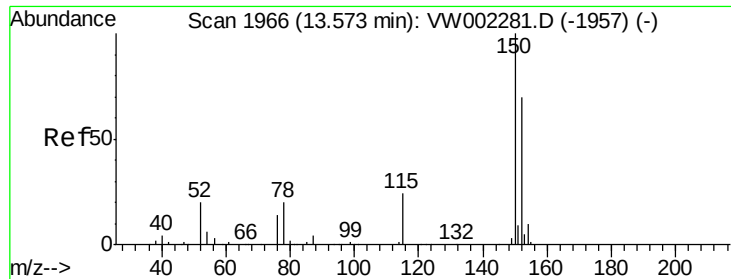


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



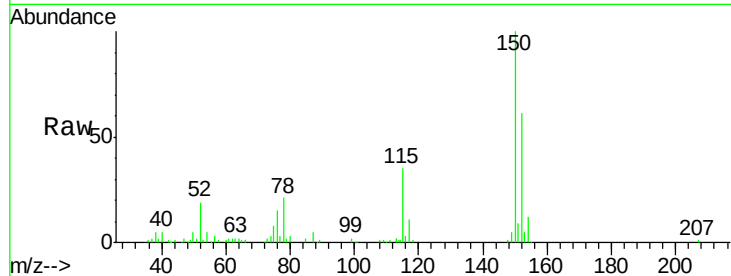


#72

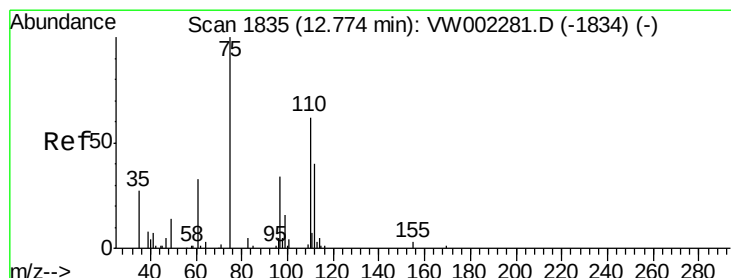
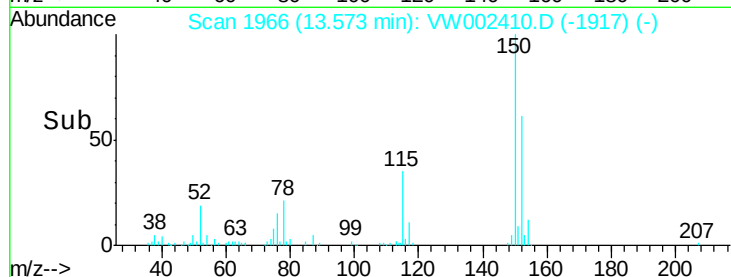
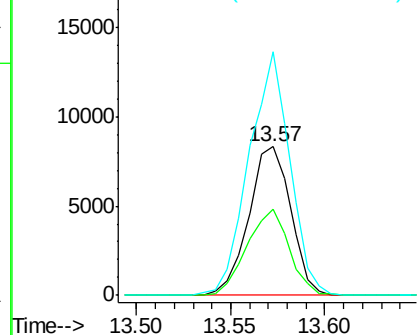
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002410.D
Acq: 11 May 2018 05:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 12907
Ion Ratio Lower Upper
152 100
115 57.8 28.5 85.5
150 159.1 0.0 342.6



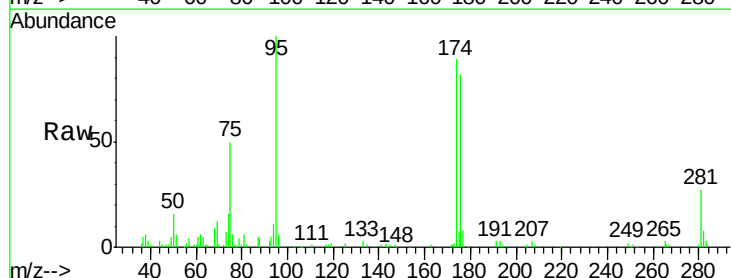
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



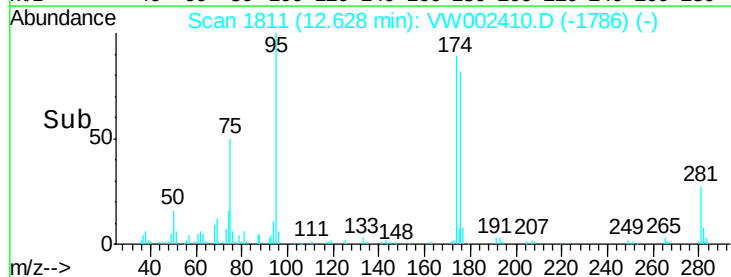
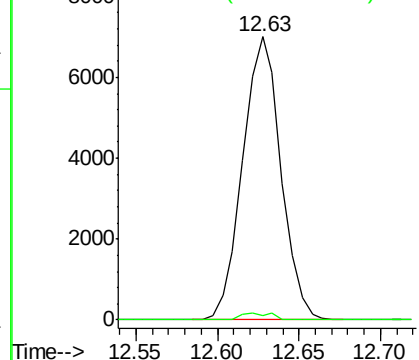
#76

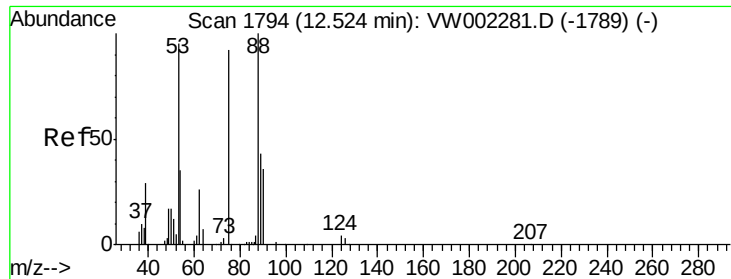
1,2,3-Trichloropropane
Concen: 99.98 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW002410.D
Acq: 11 May 2018 05:24

Tgt Ion: 75 Resp: 11443
Ion Ratio Lower Upper
75 100
77 1.8 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

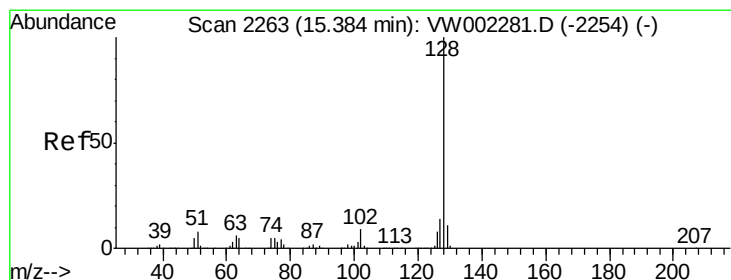
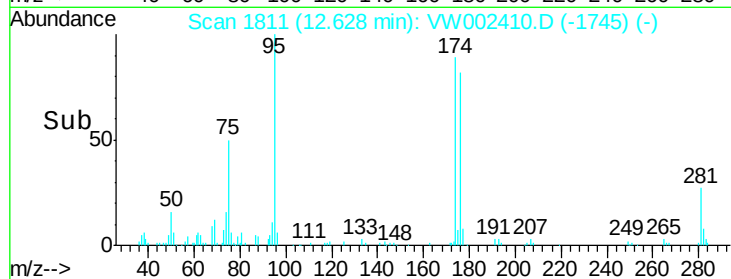
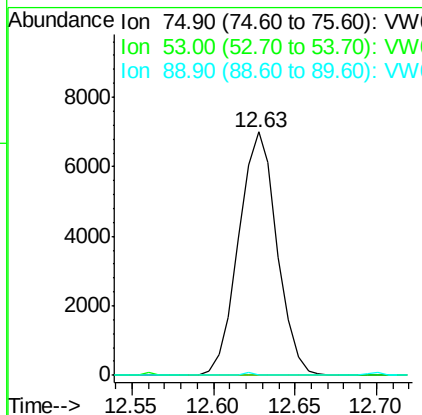
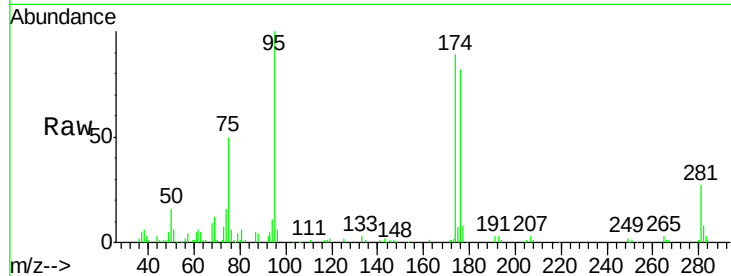




#81
 trans-1,4-Dichloro-2-butene
 Concen: 263.35 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002410.D
 Acq: 11 May 2018 05:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 11443
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.9 119.9#
 89 0.3 37.6 56.4#



#95
 Naphthalene
 Concen: 3.45 ug/l
 RT: 15.38 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VW002410.D
 Acq: 11 May 2018 05:24

Tgt Ion: 128 Resp: 1723
 Ion Ratio Lower Upper
 128 100
 127 20.3 11.0 16.4#
 129 6.2 8.7 13.1#

