

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002403.D
 Acq On : 11 May 2018 02:29
 Operator : JC/SY
 Sample : J2822-03
 Misc : 5.26G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 11 04:59:14 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	86827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	125809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	109768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	54263	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	37894	41.10	ug/l	0.00
Spiked Amount			Recovery	=	82.20%	
35) Dibromofluoromethane	7.88	113	36471	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
50) Toluene-d8	10.33	98	121765	39.60	ug/l	0.00
Spiked Amount			Recovery	=	79.20%	
62) 4-Bromofluorobenzene	12.63	95	42567	38.31	ug/l	0.00
Spiked Amount			Recovery	=	76.62%	

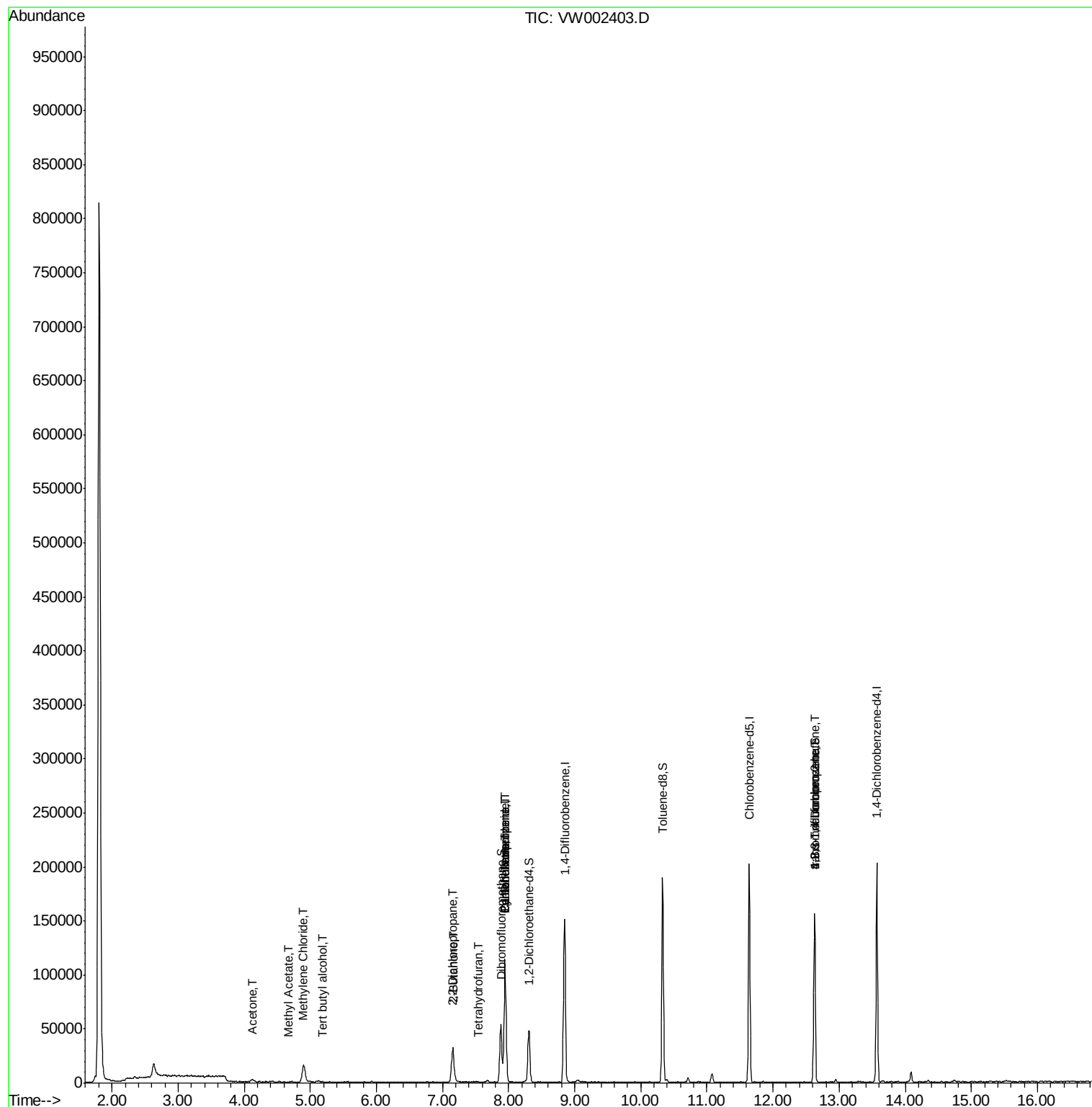
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	232	3.46	ug/l #	85
16) Acetone	4.13	43	5133	28.51	ug/l	95
18) Methyl Acetate	4.67	43	608	1.13	ug/l #	71
20) Methylene Chloride	4.90	84	11523	13.27	ug/l	96
25) 2-Butanone	7.16	43	2091	7.82	ug/l #	81
26) 2,2-Dichloropropane	7.15	77	2189	2.86	ug/l #	50
29) Tetrahydrofuran	7.54	42	324	1.85	ug/l #	40
31) Cyclohexane	7.95	56	2001	1.46	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	6887	6.05	ug/l #	52
38) Carbon Tetrachloride	7.95	117	7966	7.24	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	22110	45.95	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	22110	121.03	ug/l #	10

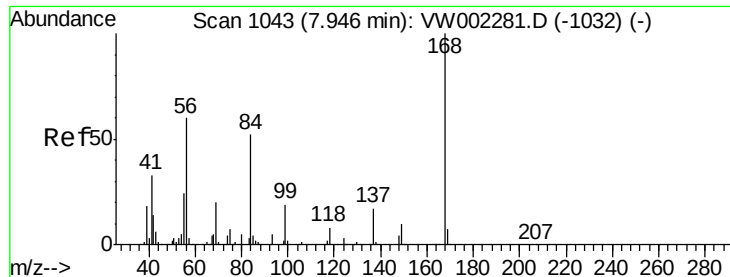
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW002403.D

Acq: 11 May 2018 02:29

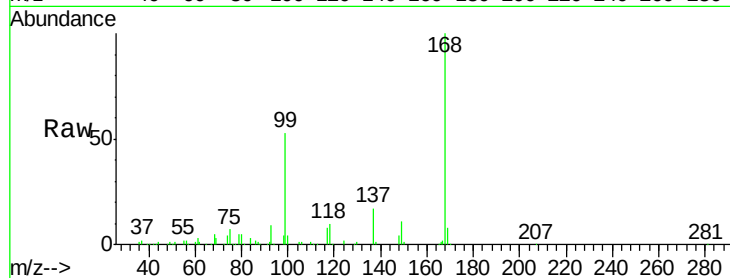
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 86827

Ion Ratio Lower Upper

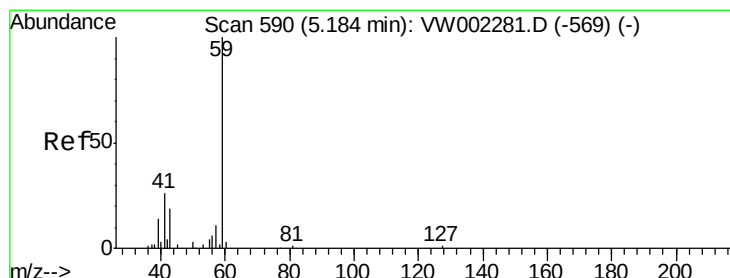
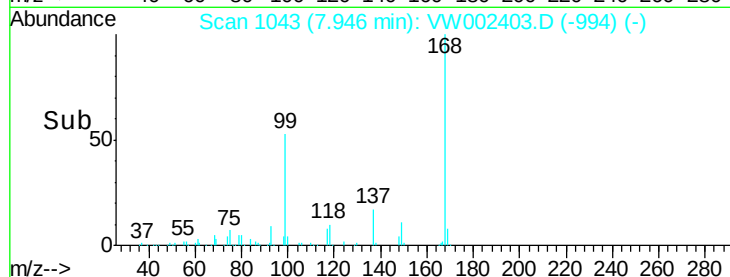
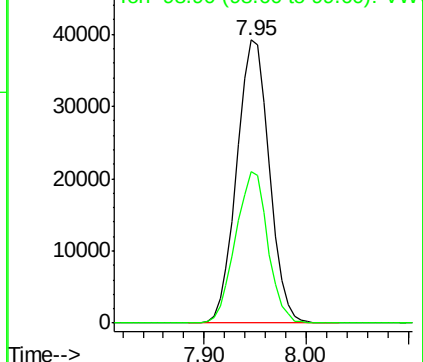
168 100

99 53.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.46 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.01 min

Lab File: VW002403.D

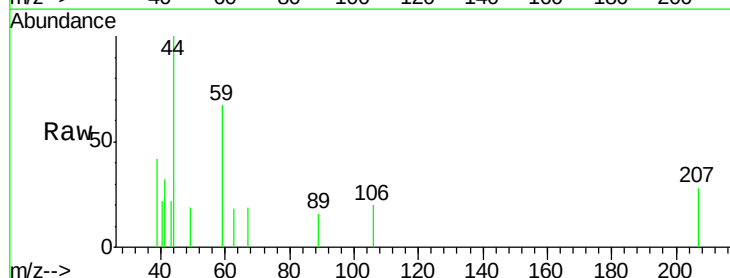
Acq: 11 May 2018 02:29

Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

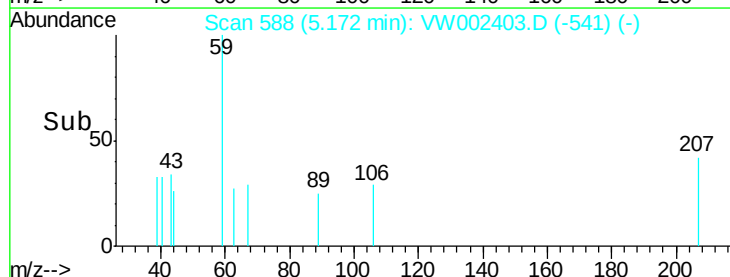
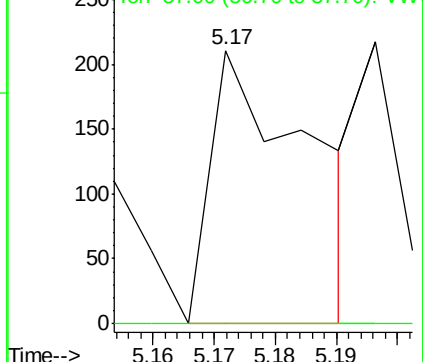
59 100

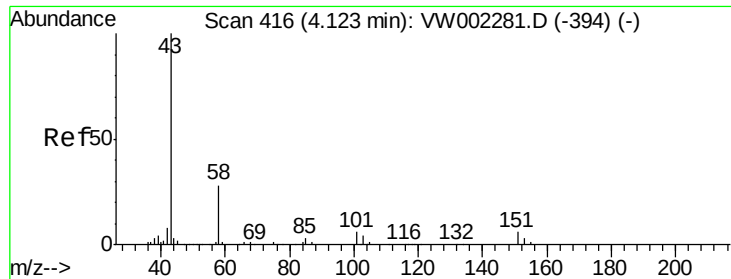
57 0.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 28.51 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

Instrument :

MSVOA_W

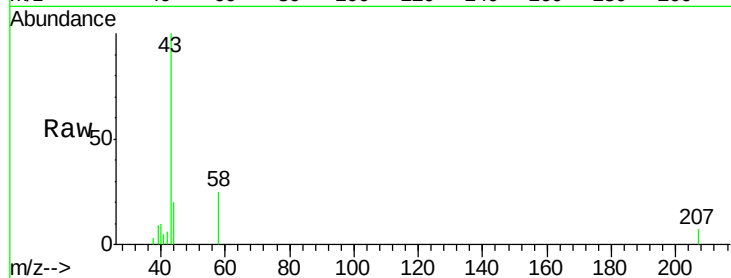
ClientSampled :

Tot Ion: 43 Resp: 5133

Ion Ratio Lower Upper

43 100

58 25.2 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

2000

1500

1000

500

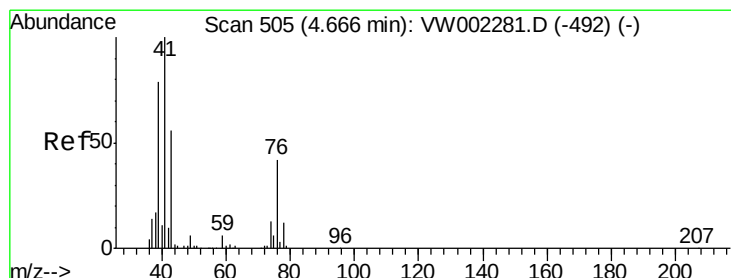
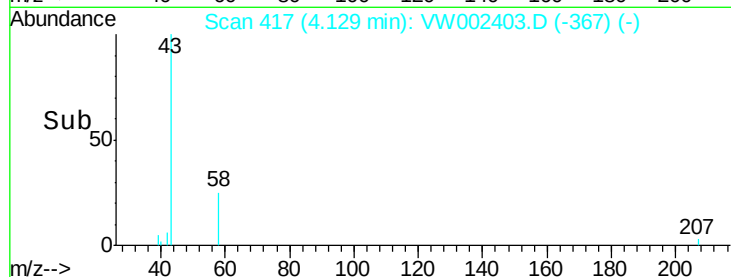
0

4.00

4.10

4.20

Time-->



#18

Methyl Acetate

Concen: 1.13 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW002403.D

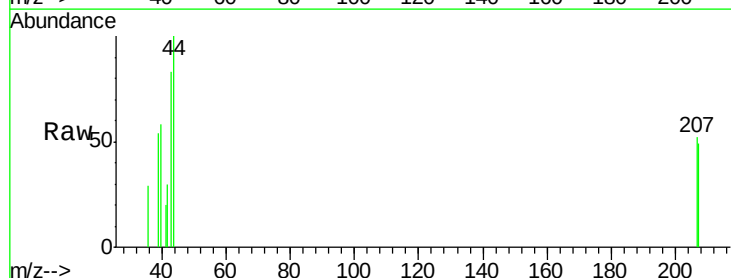
Acq: 11 May 2018 02:29

Tgt Ion: 43 Resp: 608

Ion Ratio Lower Upper

43 100

74 9.7 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

250

200

150

100

50

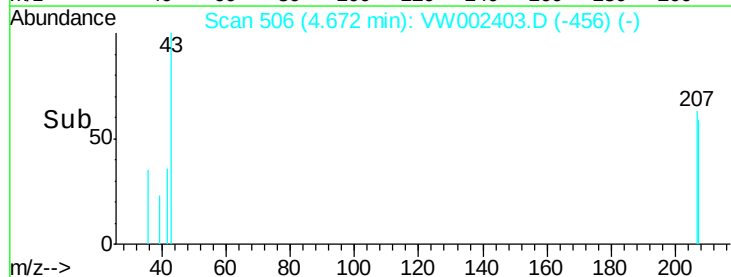
0

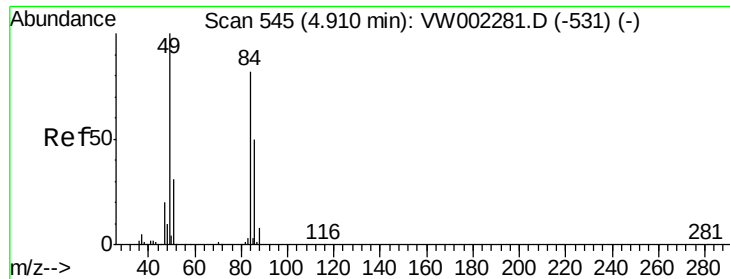
4.60

4.65

4.70

Time-->

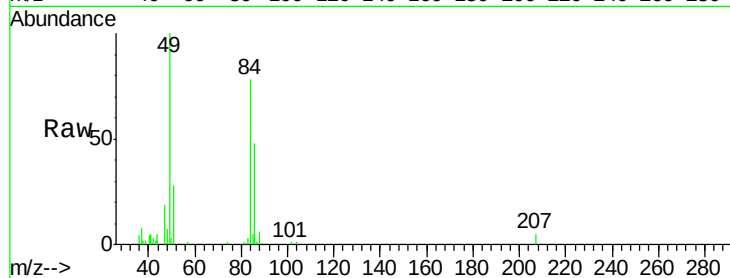




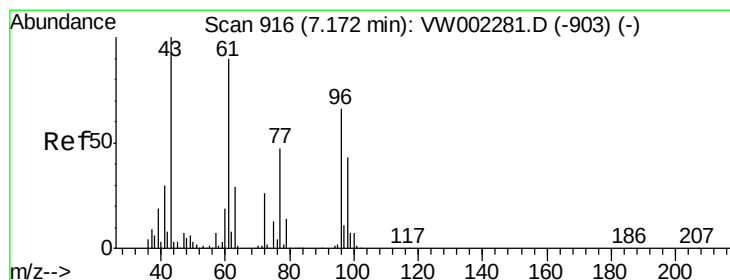
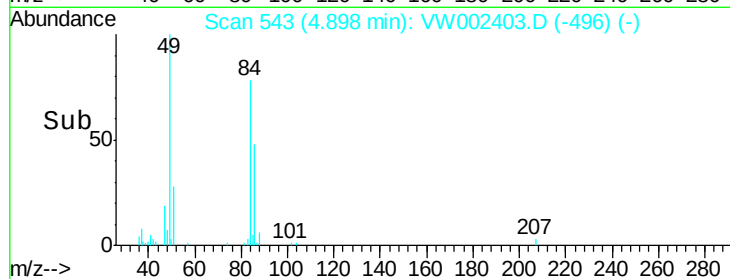
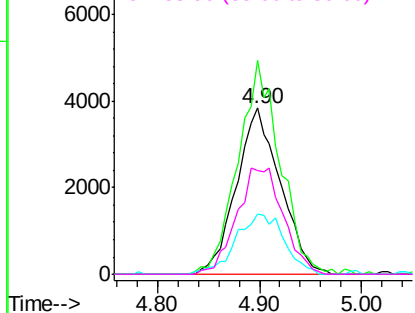
#20
Methvlene Chloride
Concen: 13.27 ug/l
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW002403.D
Acq: 11 May 2018 02:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 11523
Ion Ratio Lower Upper
84 100
49 128.5 97.7 146.5
51 36.1 30.2 45.4
86 62.1 48.9 73.3

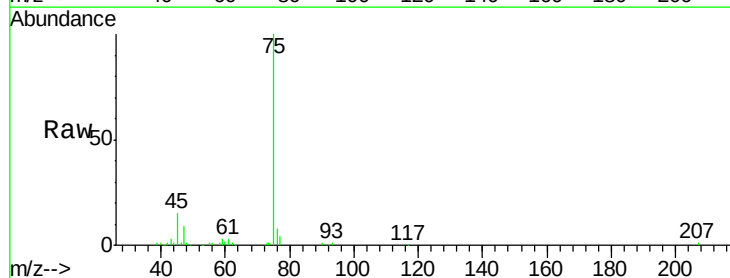


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

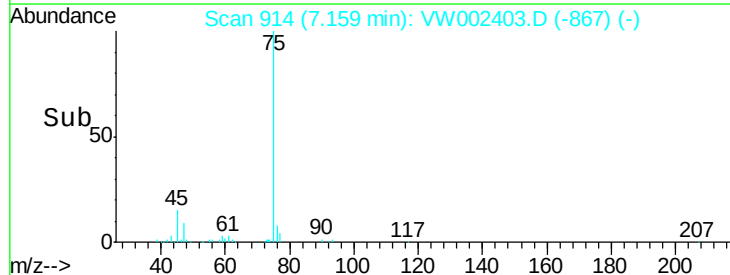
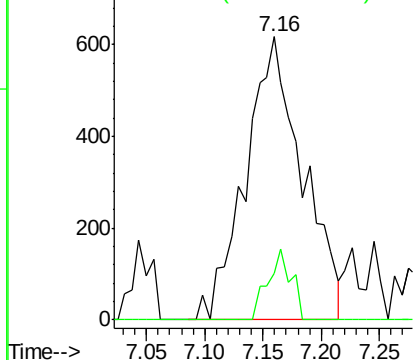


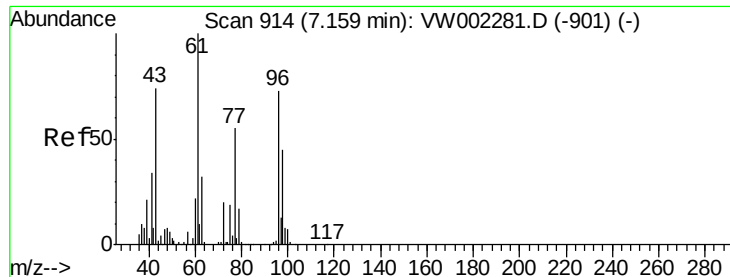
#25
2-Butanone
Concen: 7.82 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW002403.D
Acq: 11 May 2018 02:29

Tgt Ion: 43 Resp: 2091
Ion Ratio Lower Upper
43 100
72 16.2 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 2.86 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

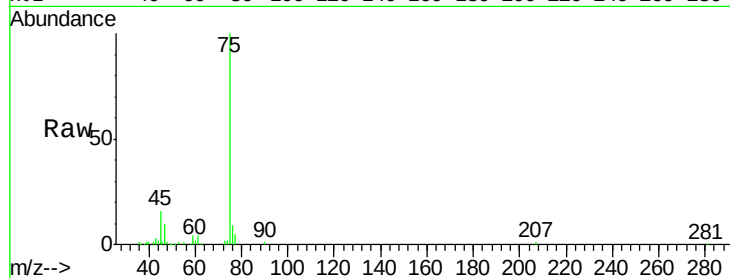
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 2189

Ion Ratio Lower Upper

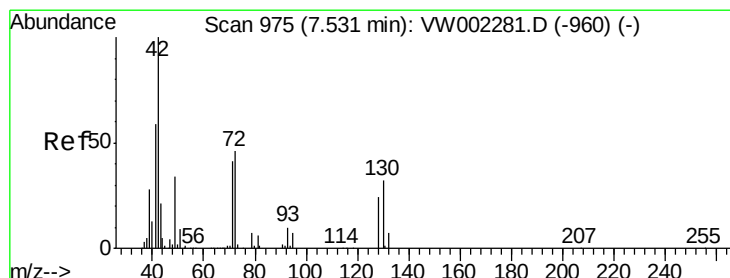
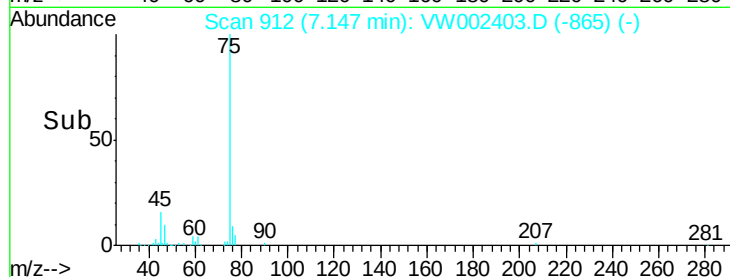
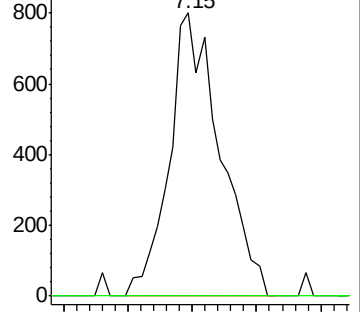
77 100

97 0.0 12.7 38.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 1.85 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

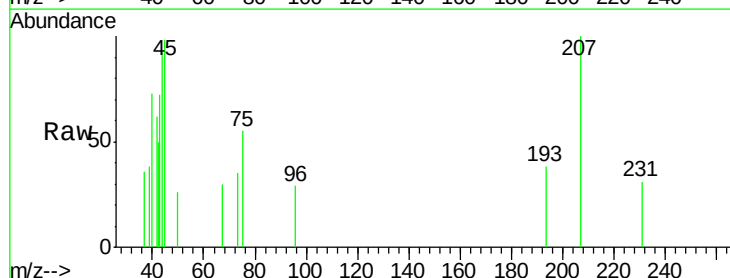
Tgt Ion: 42 Resp: 324

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

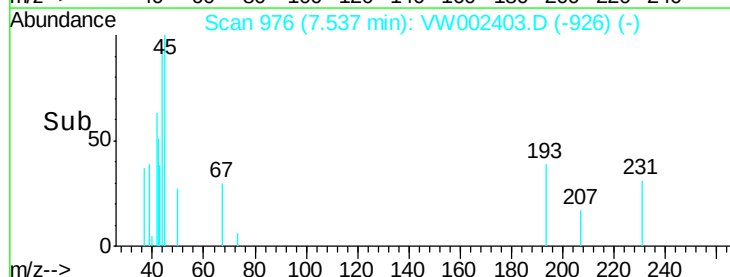
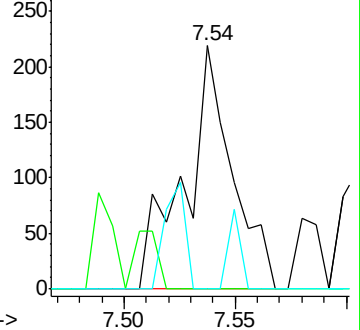
71 8.0 33.0 49.6#

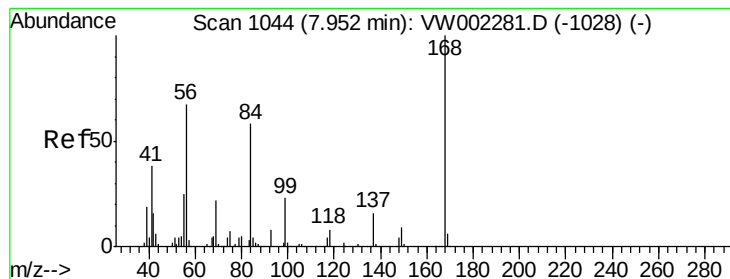


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.46 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

Instrument :

MSVOA_W

ClientSampleId :

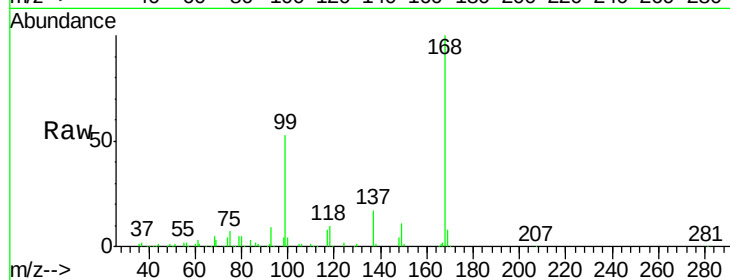
Tot Ion: 56 Resp: 2001

Ion Ratio Lower Upper

56 100

69 136.3 26.2 39.4#

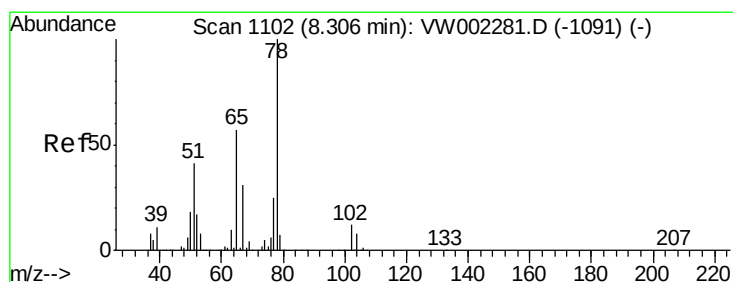
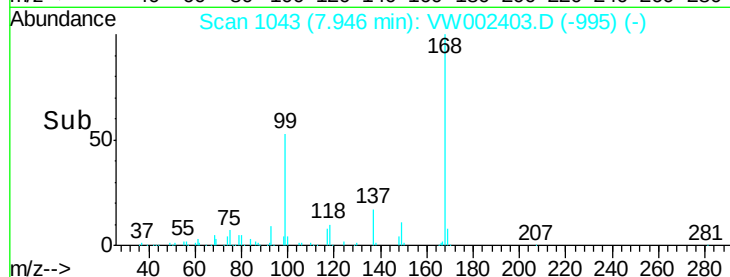
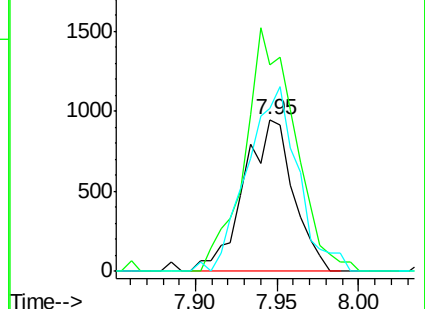
84 107.5 69.2 103.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 41.10 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW002403.D

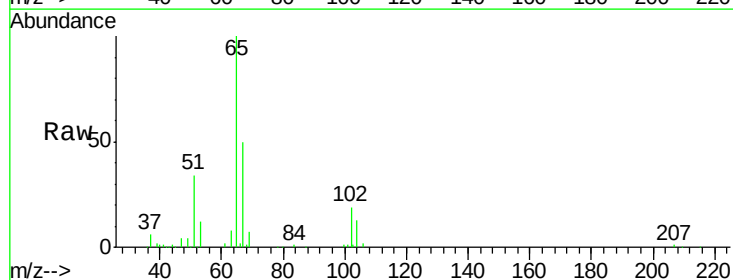
Acq: 11 May 2018 02:29

Tgt Ion: 65 Resp: 37894

Ion Ratio Lower Upper

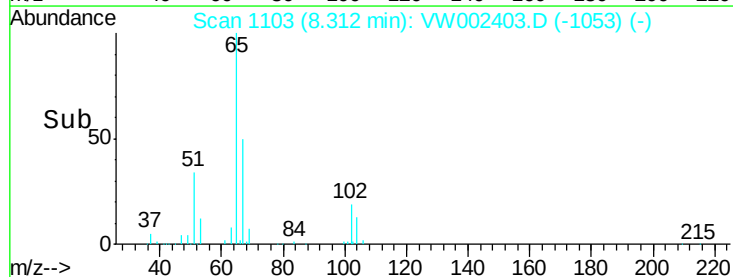
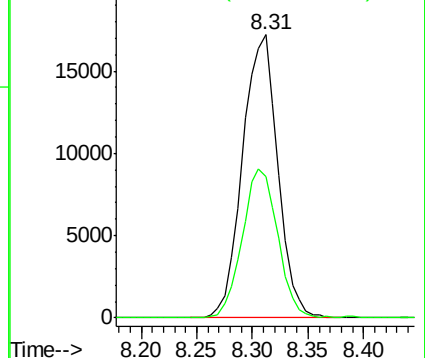
65 100

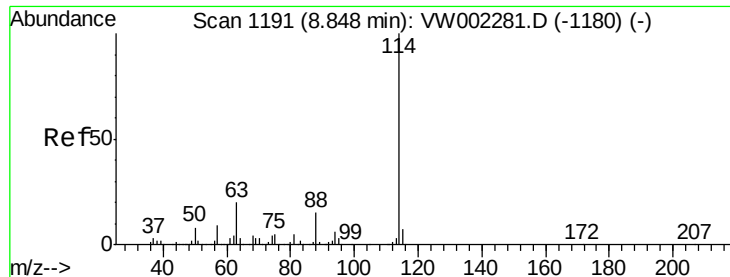
67 52.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

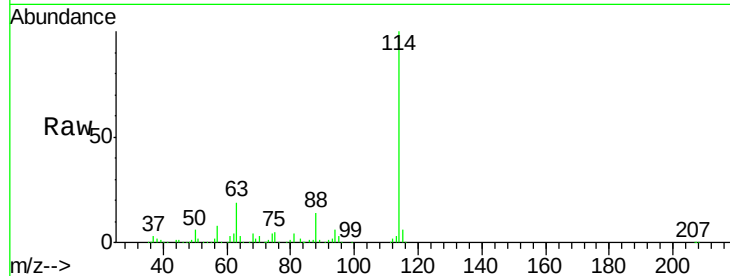




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW002403.D
 Acq: 11 May 2018 02:29

Instrument :
 MSVOA_W
 ClientSampleId :

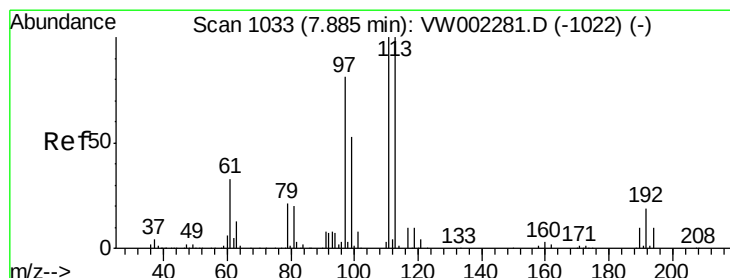
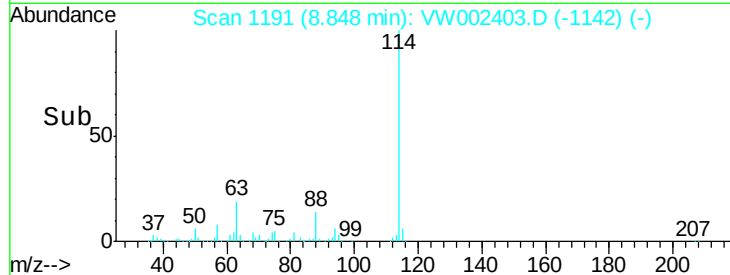
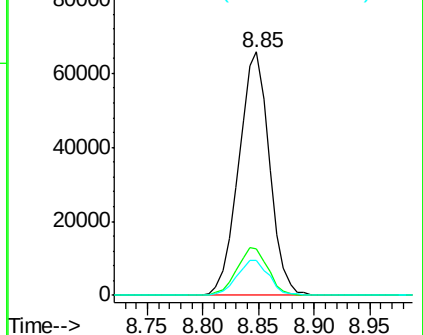
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.0
88	14.4	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

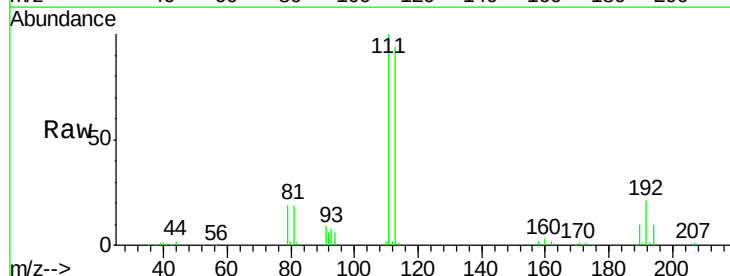
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 45.23 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002403.D
 Acq: 11 May 2018 02:29

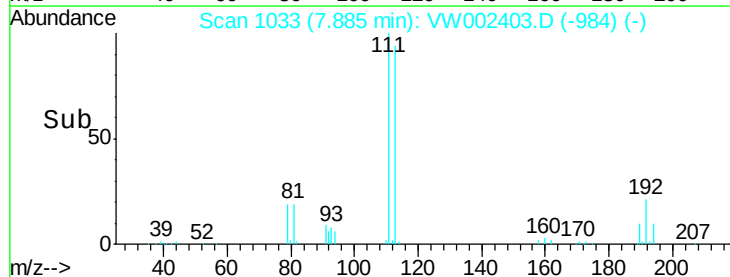
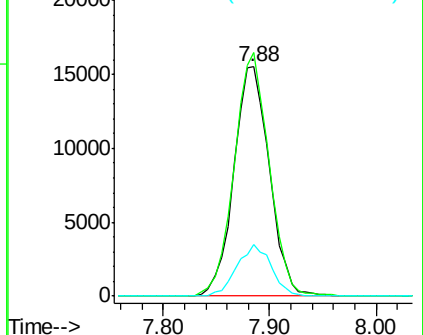
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.5	122.3
192	21.5	16.4	24.6

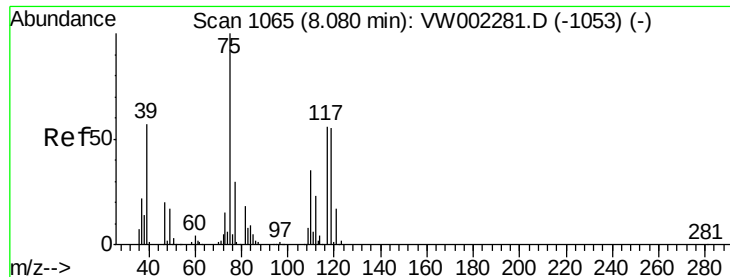


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.05 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

Instrument :

MSVOA_W

ClientSampleId :

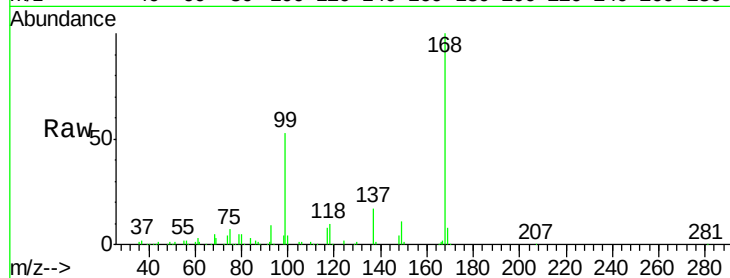
Tot Ion: 75 Resp: 6887

Ion Ratio Lower Upper

75 100

110 11.5 18.1 54.1#

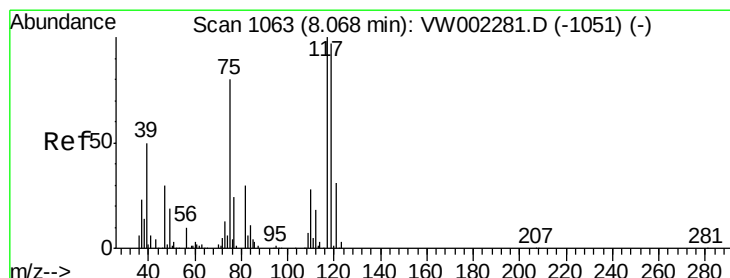
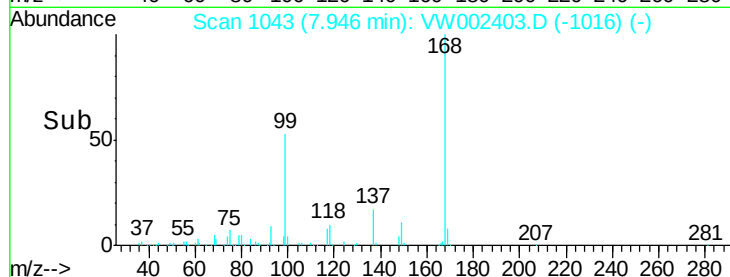
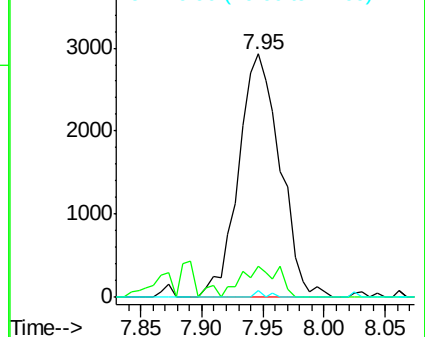
77 0.7 24.5 36.7#



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: 7.24 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

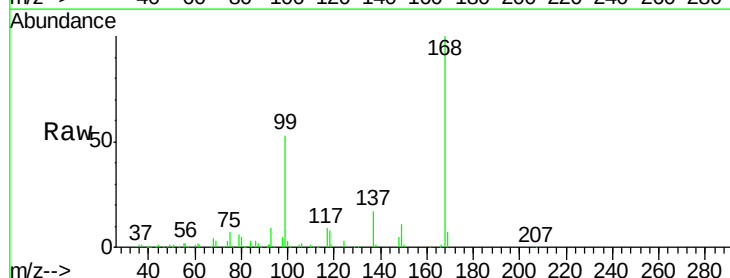
Tgt Ion: 117 Resp: 7966

Ion Ratio Lower Upper

117 100

119 7.5 77.5 116.3#

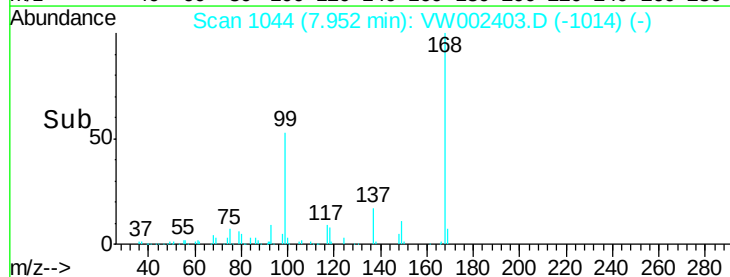
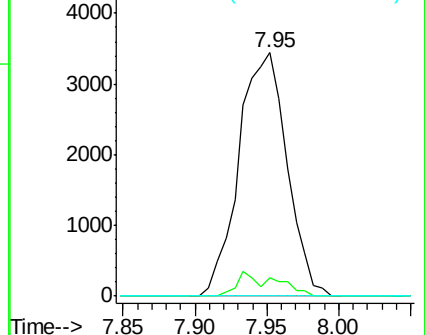
121 0.0 24.4 36.6#

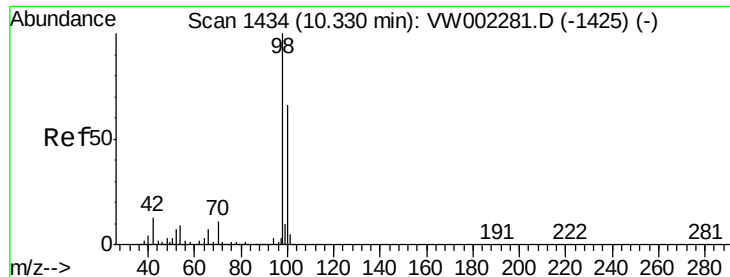


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 39.60 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

Instrument :

MSVOA_W

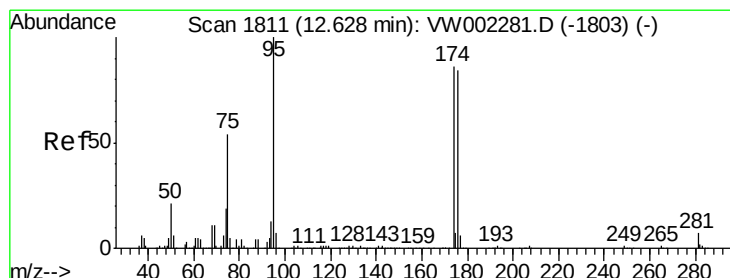
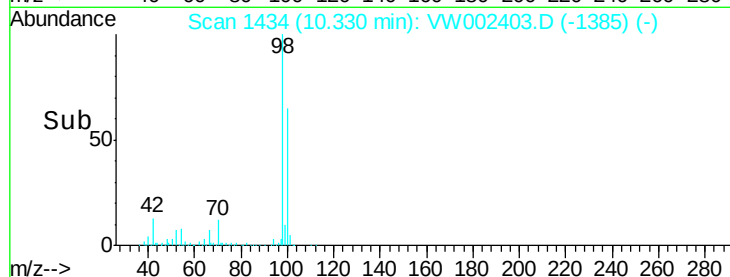
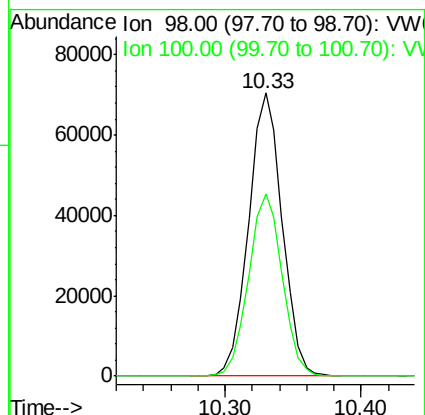
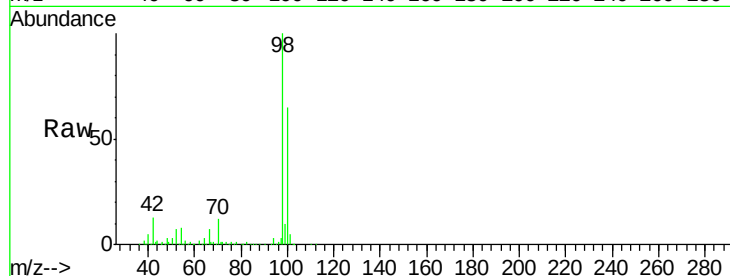
ClientSampleId :

Tot Ion: 98 Resp: 121765

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 38.31 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

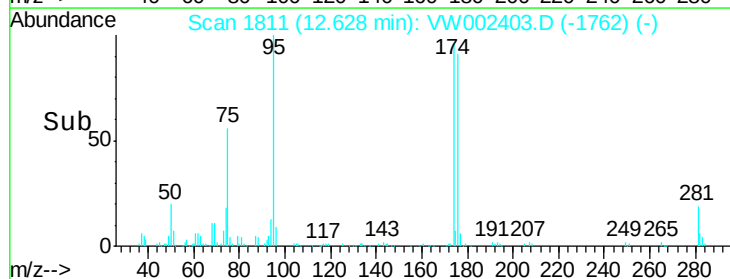
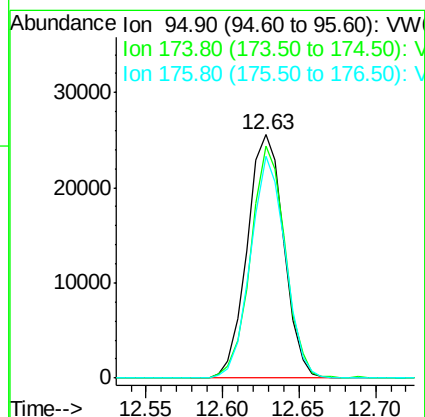
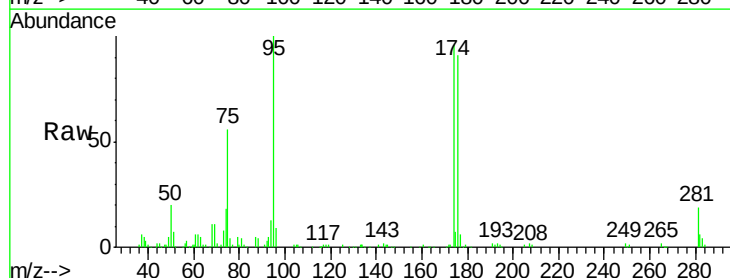
Tgt Ion: 95 Resp: 42567

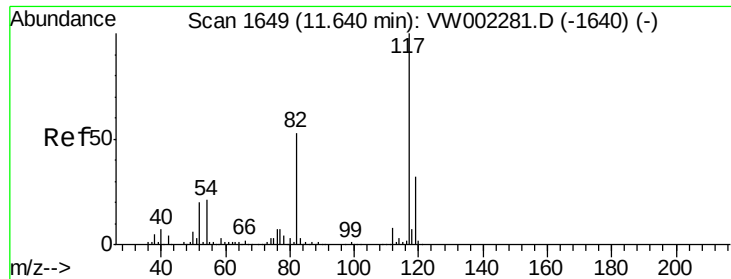
Ion Ratio Lower Upper

95 100

174 90.2 0.0 176.8

176 86.5 0.0 170.4

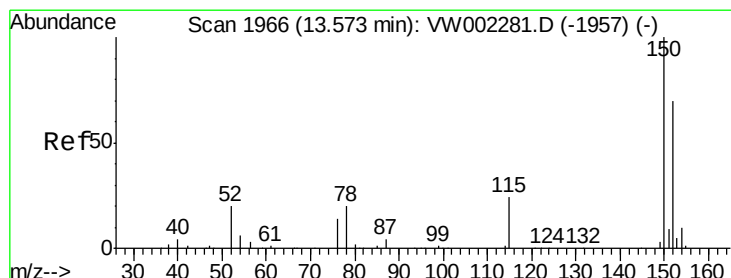
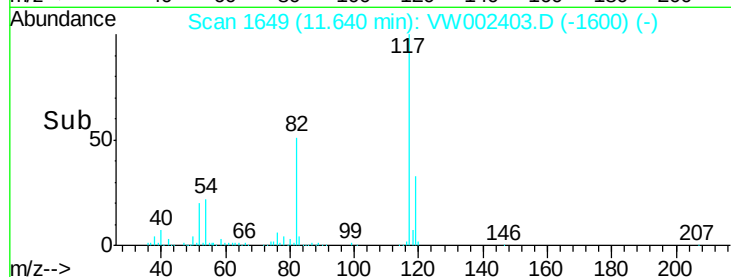
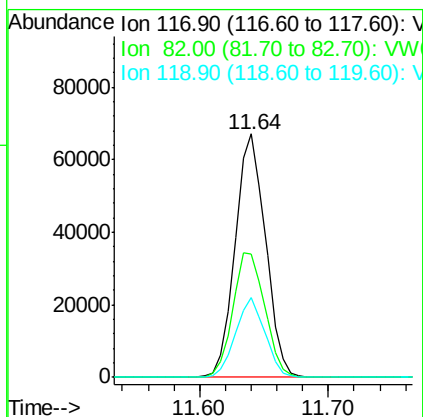
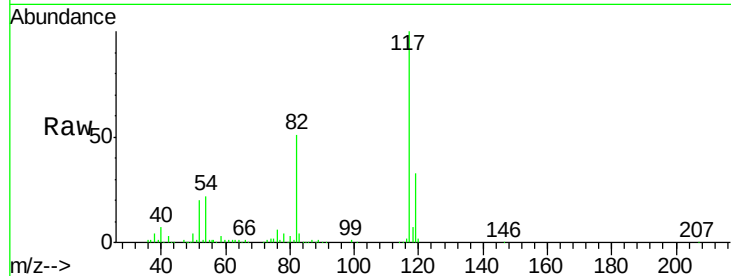




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002403.D
Acq: 11 May 2018 02:29

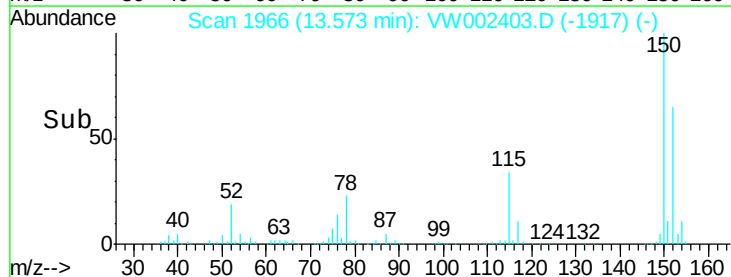
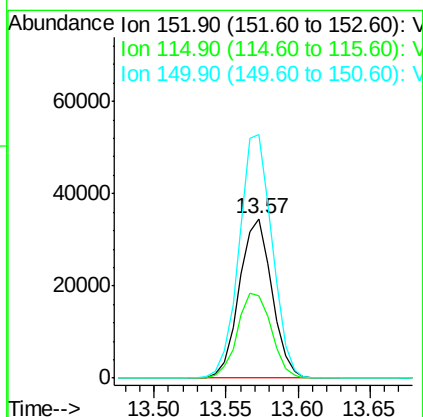
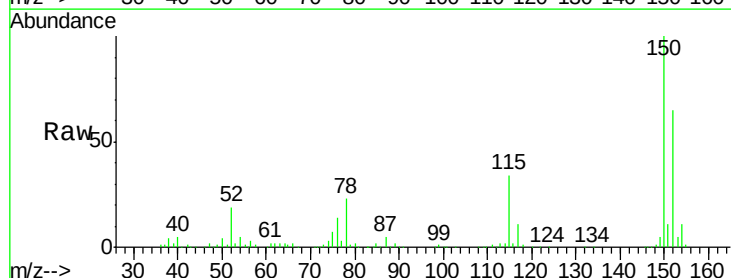
Instrument :
MSVOA_W
ClientSampleId :

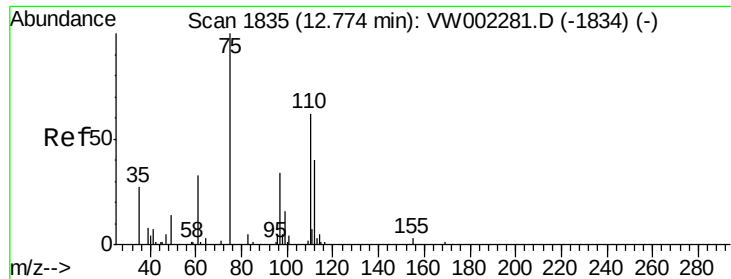
Tot Ion:117 Resp: 109768
Ion Ratio Lower Upper
117 100
82 50.9 42.6 63.8
119 33.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW002403.D
Acq: 11 May 2018 02:29

Tgt Ion:152 Resp: 54263
Ion Ratio Lower Upper
152 100
115 55.5 28.5 85.5
150 154.7 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 45.95 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

Instrument :

MSVOA_W

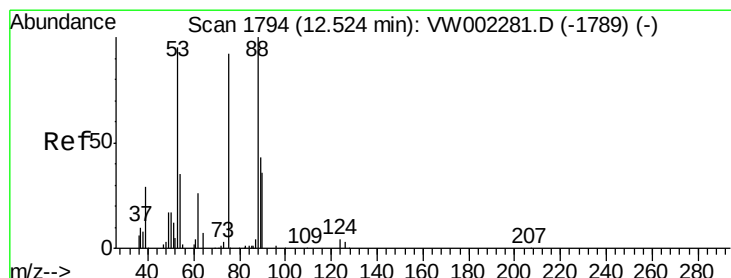
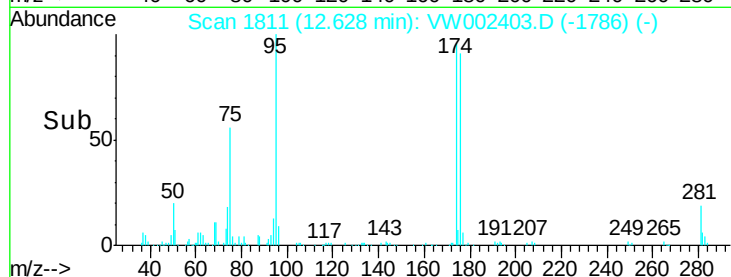
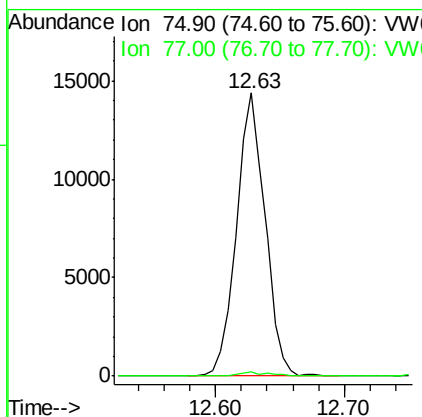
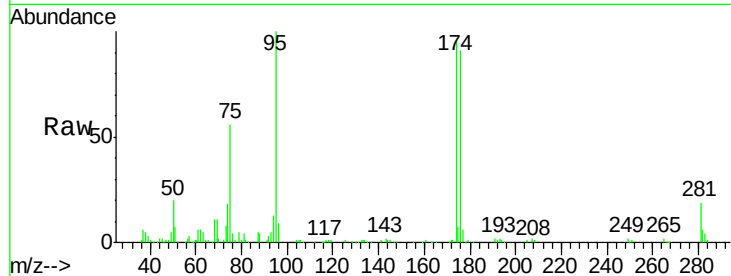
ClientSampleId :

Tot Ion: 75 Resp: 22110

Ion Ratio Lower Upper

75 100

77 1.5 187.5 562.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.03 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002403.D

Acq: 11 May 2018 02:29

Tgt Ion: 75 Resp: 22110

Ion Ratio Lower Upper

75 100

53 0.0 79.9 119.9#

89 0.1 37.6 56.4#

