

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002390.D
 Acq On : 10 May 2018 19:21
 Operator : JC/SY
 Sample : J2730-02RE
 Misc : 6.12G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 11 04:54:18 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	164417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	265044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	218776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	86629	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	83604	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	7.88	113	78710	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	
50) Toluene-d8	10.33	98	247511	38.21	ug/l	0.00
Spiked Amount			Recovery	=	76.42%	
62) 4-Bromofluorobenzene	12.63	95	78164	33.39	ug/l	0.00
Spiked Amount			Recovery	=	66.78%	

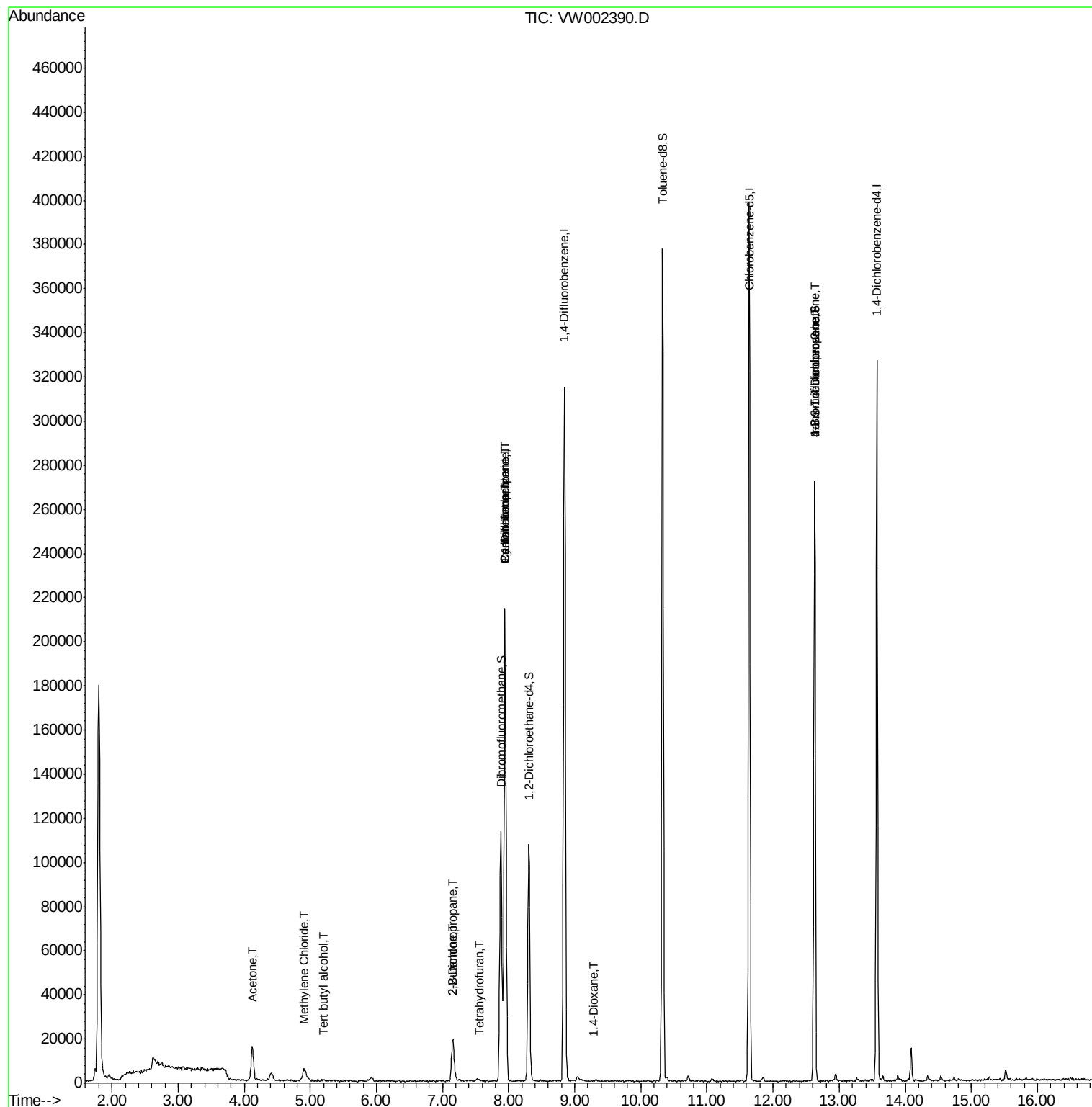
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	574	4.52	ug/l #	93
16) Acetone	4.12	43	26995	79.17	ug/l	95
20) Methylene Chloride	4.90	84	5116	3.11	ug/l #	79
25) 2-Butanone	7.15	43	1938	3.83	ug/l #	49
26) 2,2-Dichloropropane	7.16	77	1519	1.05	ug/l #	53
29) Tetrahydrofuran	7.55	42	735	2.21	ug/l #	68
31) Cyclohexane	7.95	56	3561	1.37	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	12243	5.11	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15581	6.72	ug/l #	16
49) 1,4-Dioxane	9.29	88	21	1.35	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	39828	51.85	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	39828	136.57	ug/l #	10

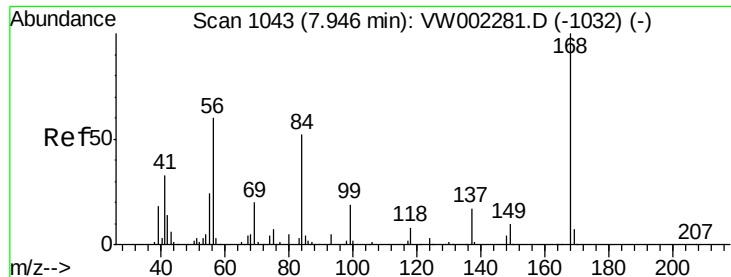
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW002390.D

Acq: 10 May 2018 19:21

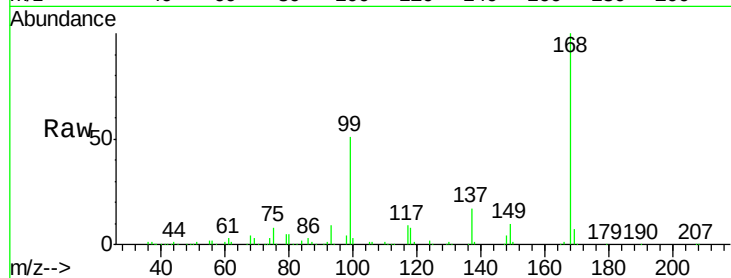
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 164417

Ion Ratio Lower Upper

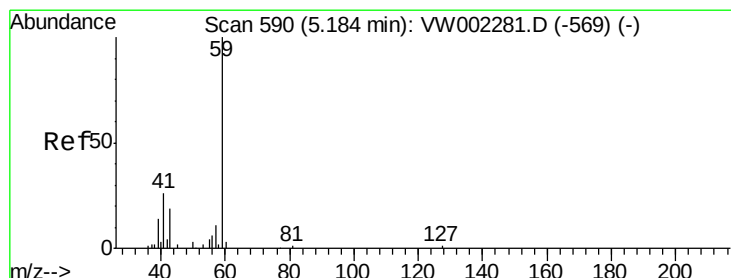
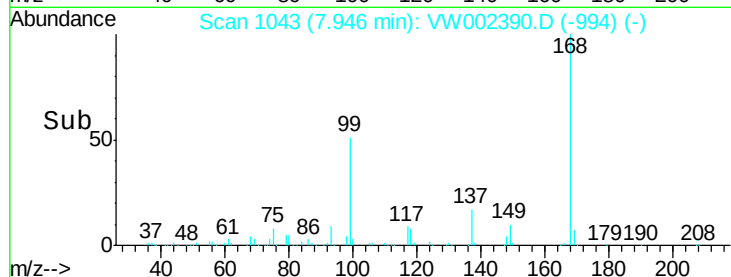
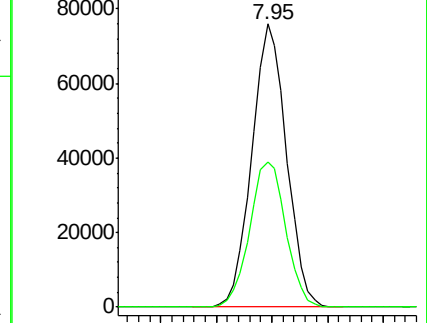
168 100

99 51.4 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: 4.52 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002390.D

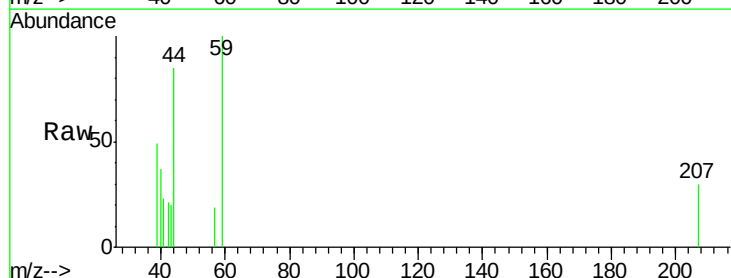
Acq: 10 May 2018 19:21

Tgt Ion: 59 Resp: 574

Ion Ratio Lower Upper

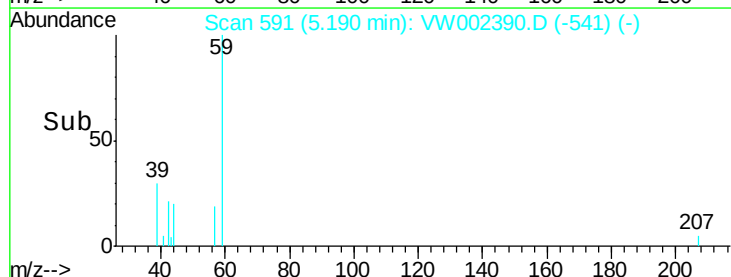
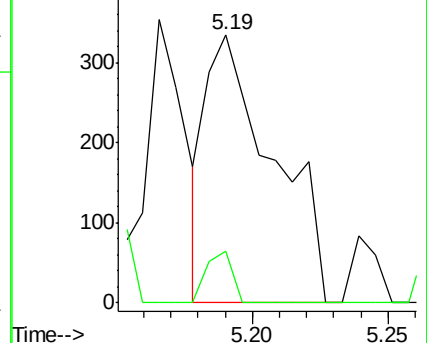
59 100

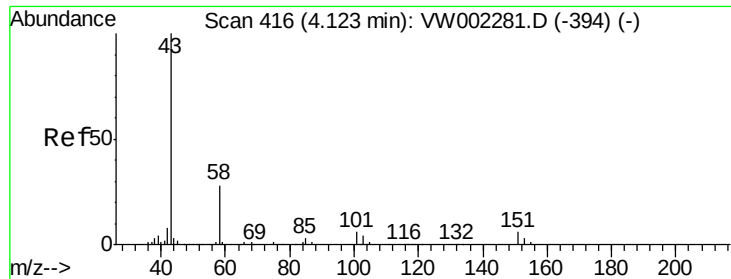
57 7.3 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

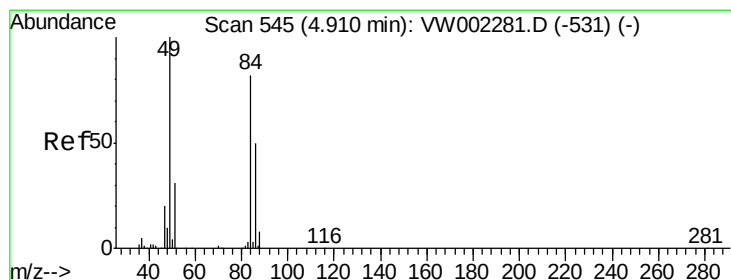
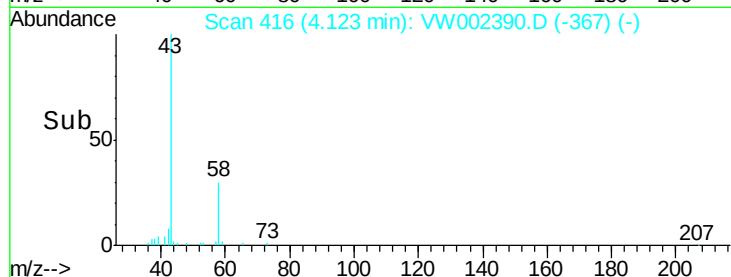
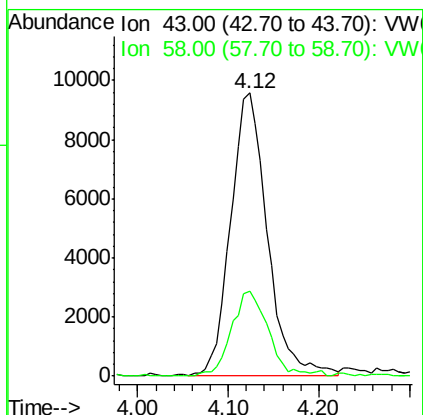
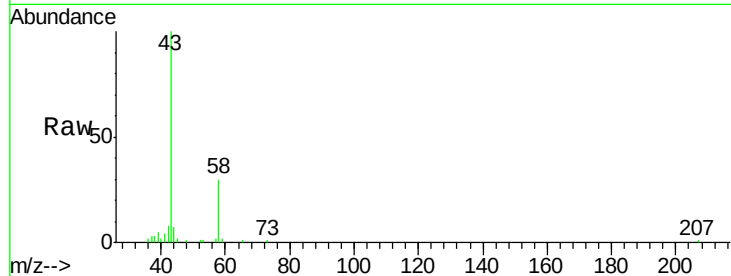




#16
Acetone
Concen: 79.17 ug/l
RT: 4.12 min Scan# 416
Delta R.T. 0.00 min
Lab File: VW002390.D
Acq: 10 May 2018 19:21

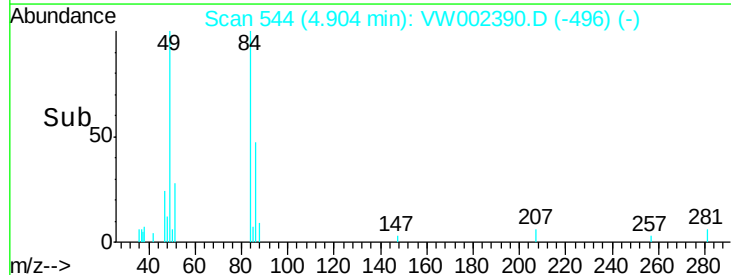
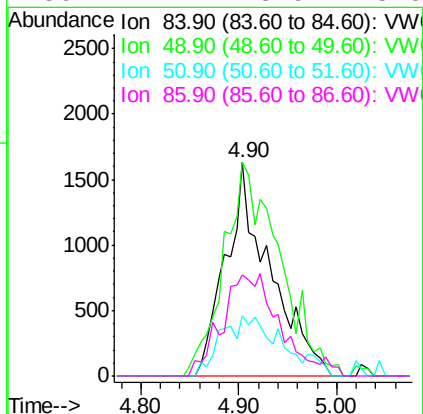
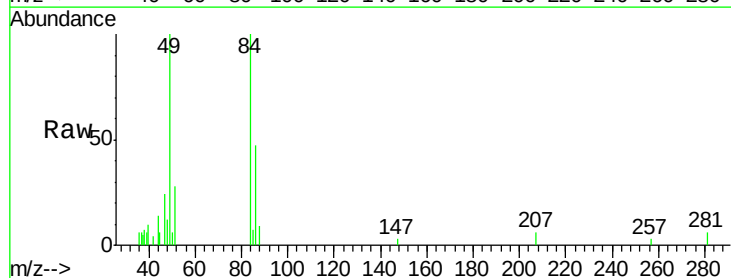
Instrument :
MSVOA_W
ClientSampled :

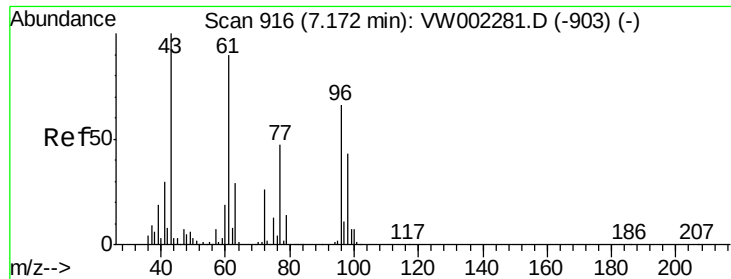
Tot Ion: 43 Resp: 26995
Ion Ratio Lower Upper
43 100
58 30.2 22.2 33.4



#20
Methylene Chloride
Concen: 3.11 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002390.D
Acq: 10 May 2018 19:21

Tgt Ion: 84 Resp: 5116
Ion Ratio Lower Upper
84 100
49 94.5 97.7 146.5#
51 28.3 30.2 45.4#
86 47.2 48.9 73.3#





#25

2-Butanone

Concen: 3.83 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW002390.D

Acq: 10 May 2018 19:21

Instrument :

MSVOA_W

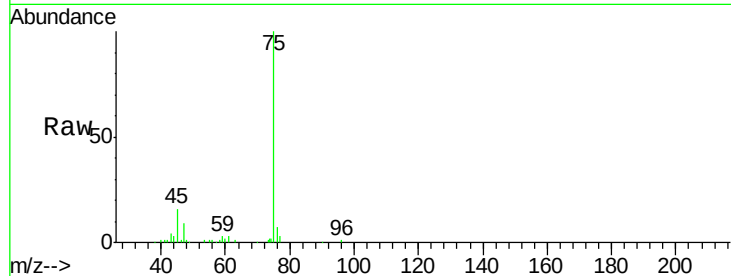
ClientSampled :

Tot Ion: 43 Resp: 1938

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

500

400

300

200

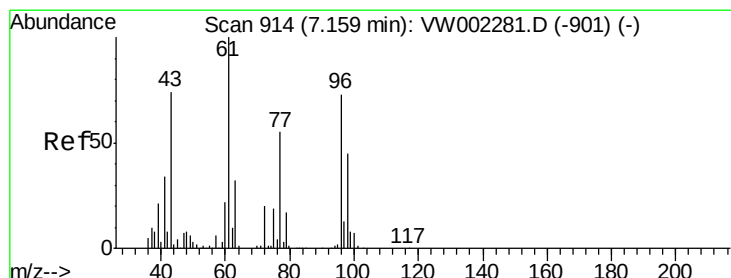
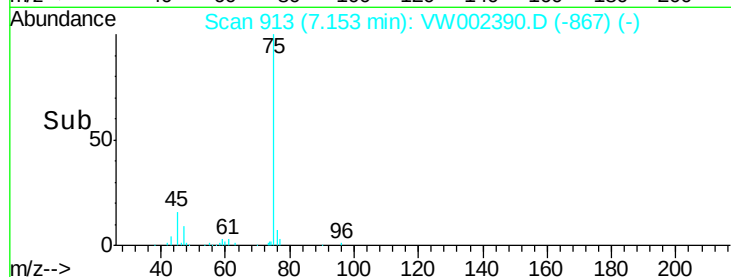
100

0

7.10

7.20

Time-->



#26

2,2-Dichloropropane

Concen: 1.05 ug/l

RT: 7.16 min Scan# 914

Delta R.T. 0.00 min

Lab File: VW002390.D

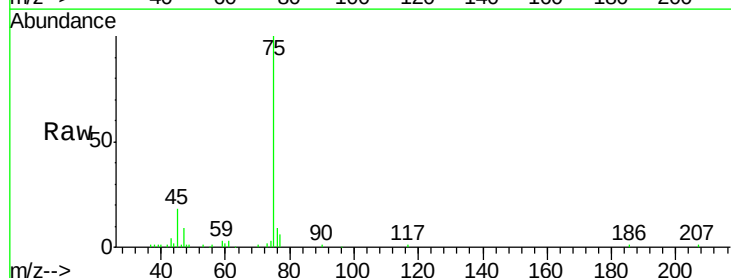
Acq: 10 May 2018 19:21

Tgt Ion: 77 Resp: 1519

Ion Ratio Lower Upper

77 100

97 1.8 12.7 38.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

600

400

200

0

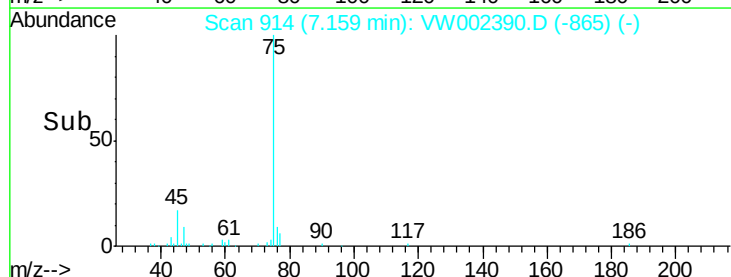
7.05

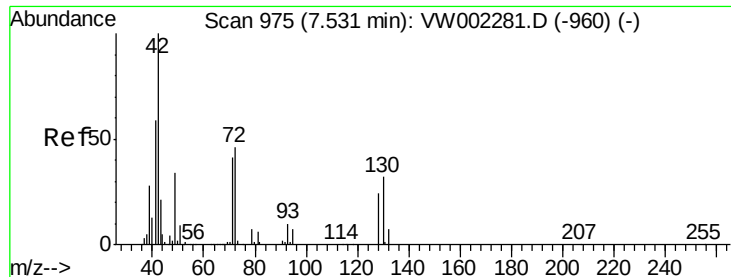
7.10

7.15

7.20

Time-->

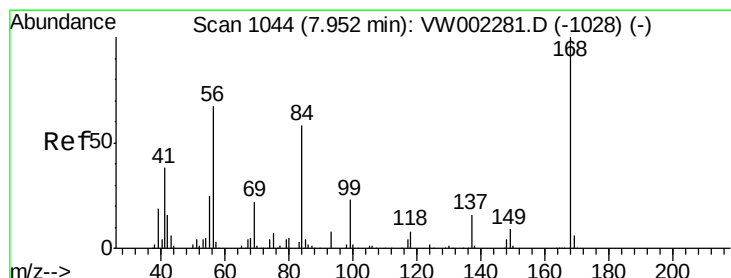
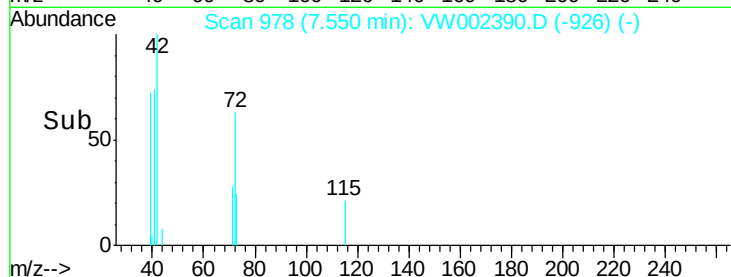
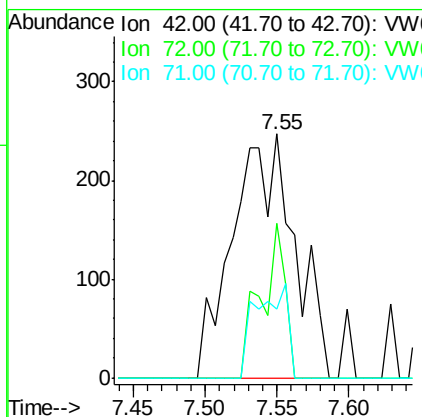
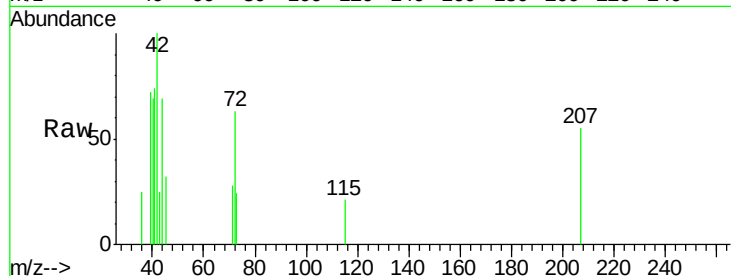




#29
Tetrahydrofuran
Concen: 2.21 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW002390.D
Acq: 10 May 2018 19:21

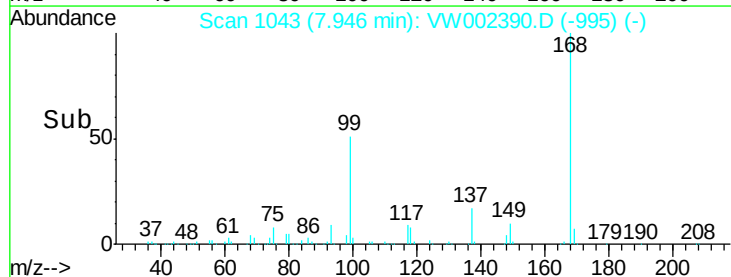
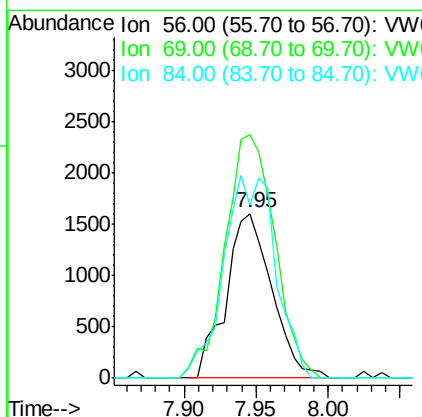
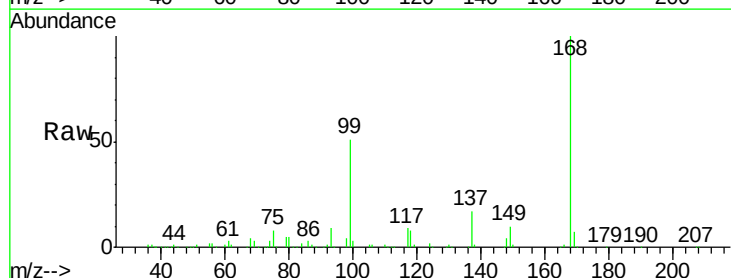
Instrument :
MSVOA_W
ClientSampleId :

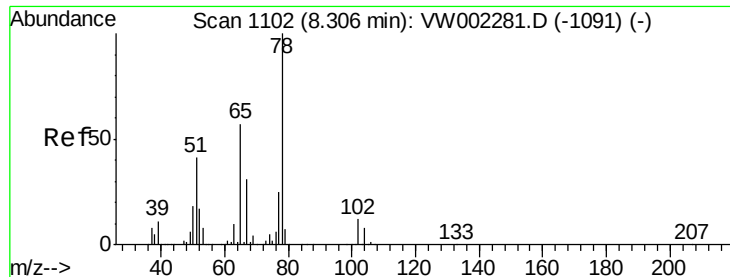
Tot Ion: 42 Resp: 735
Ion Ratio Lower Upper
42 100
72 24.1 34.5 51.7#
71 19.3 33.0 49.6#



#31
Cyclohexane
Concen: 1.37 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002390.D
Acq: 10 May 2018 19:21

Tgt Ion: 56 Resp: 3561
Ion Ratio Lower Upper
56 100
69 147.8 26.2 39.4#
84 105.3 69.2 103.8#

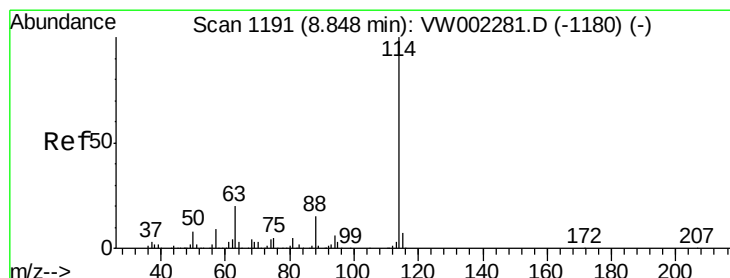
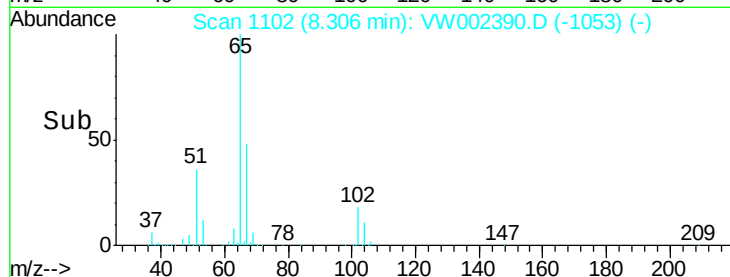
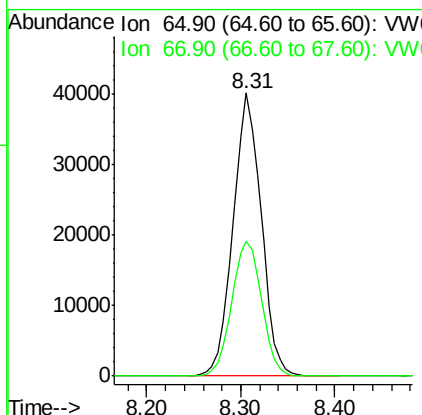
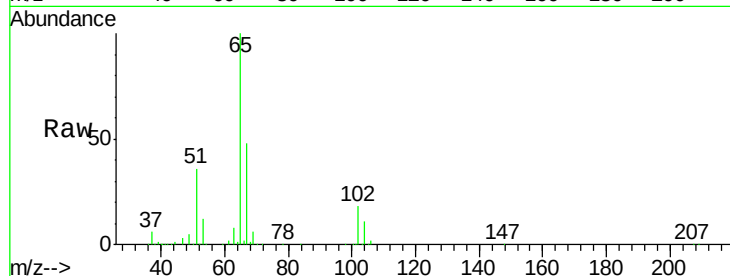




#33
 1,2-Dichloroethane-d4
 Concen: 47.88 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002390.D
 Acq: 10 May 2018 19:21

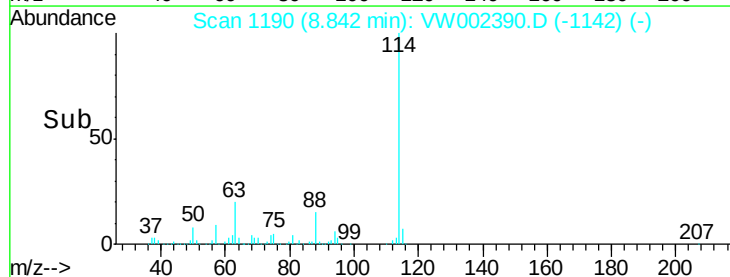
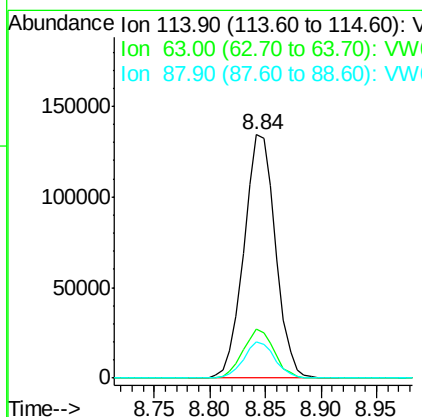
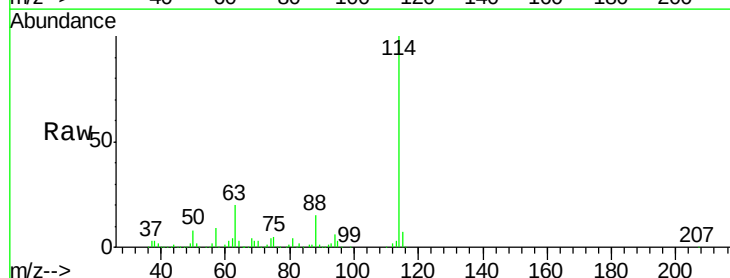
Instrument :
 MSVOA_W
 ClientSampled :

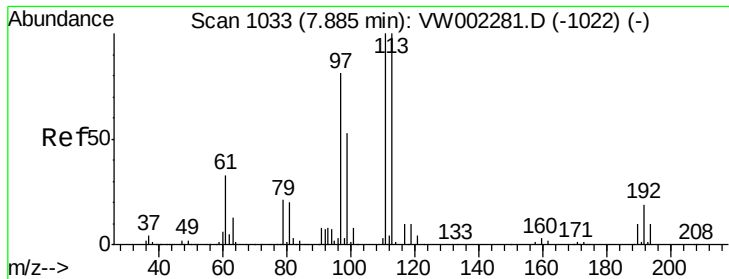
Tot Ion: 65 Resp: 83604
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW002390.D
 Acq: 10 May 2018 19:21

Tgt Ion: 114 Resp: 265044
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 14.9 0.0 29.6

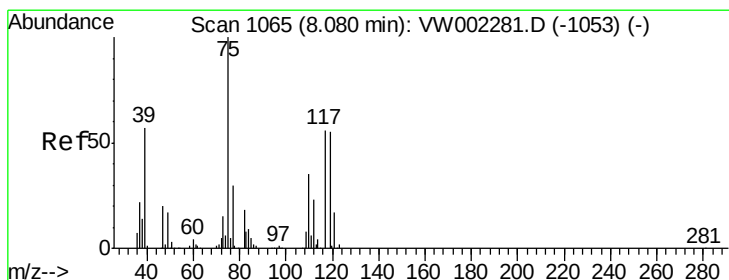
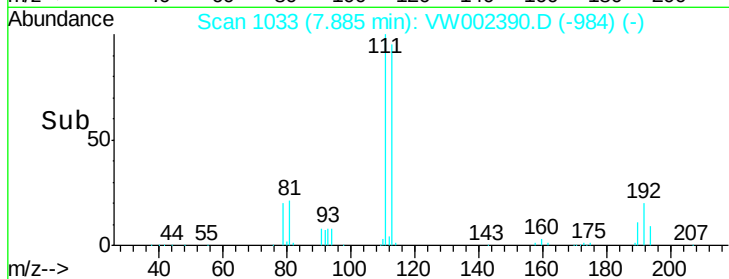
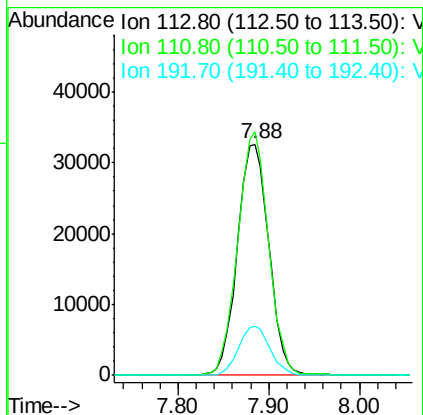
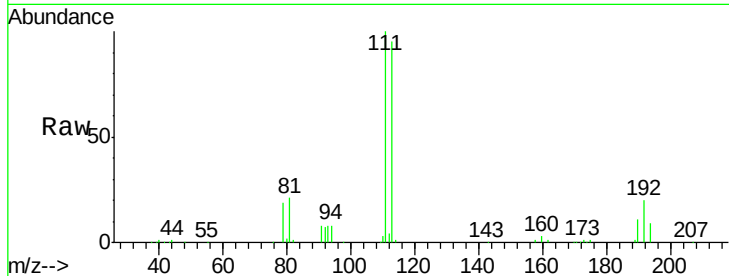




#35
 Dibromofluoromethane
 Concen: 46.33 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002390.D
 Acq: 10 May 2018 19:21

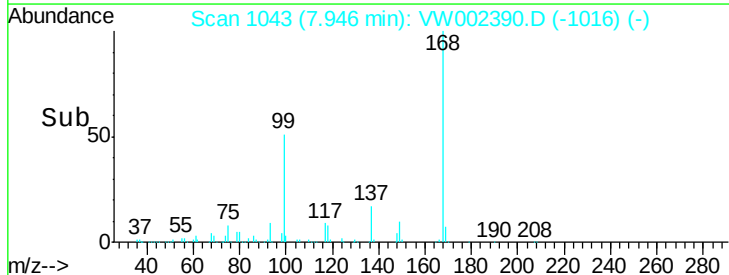
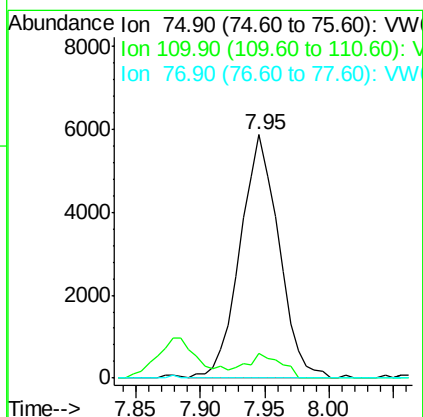
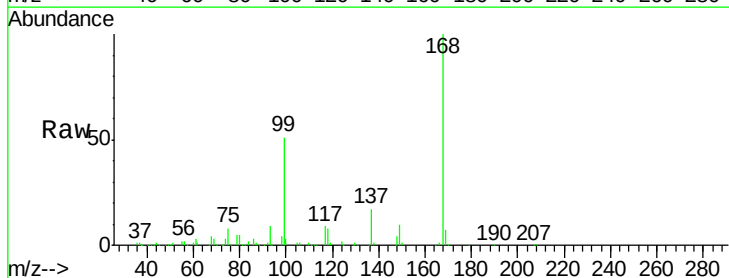
Instrument :
 MSVOA_W
 ClientSampleId :

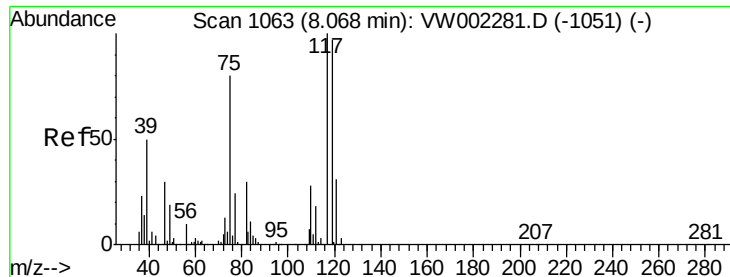
Tot Ion:113 Resp: 78710
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.5 122.3
 192 21.1 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.11 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002390.D
 Acq: 10 May 2018 19:21

Tgt Ion: 75 Resp: 12243
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.1#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.72 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002390.D

Acq: 10 May 2018 19:21

Instrument :

MSVOA_W

ClientSampleId :

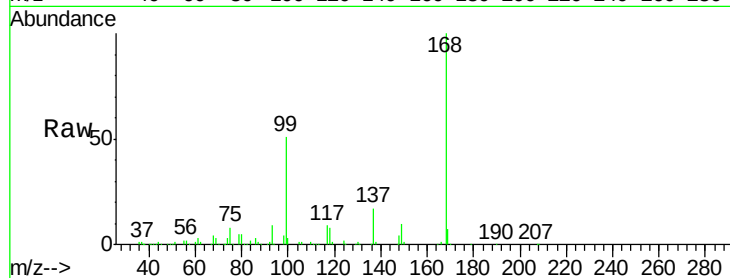
Tot Ion:117 Resp: 15581

Ion Ratio Lower Upper

117 100

119 6.1 77.5 116.3#

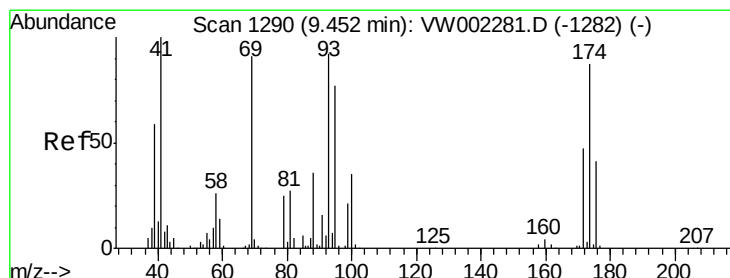
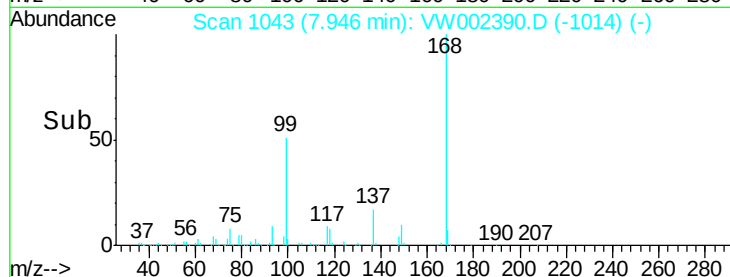
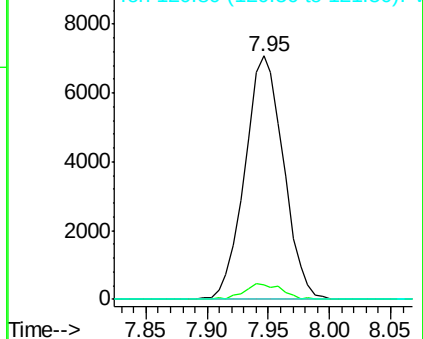
121 0.0 24.4 36.6#



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: 1.35 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.16 min

Lab File: VW002390.D

Acq: 10 May 2018 19:21

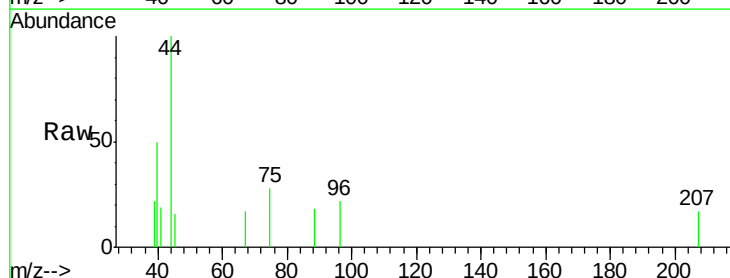
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 466.7 26.3 39.5#

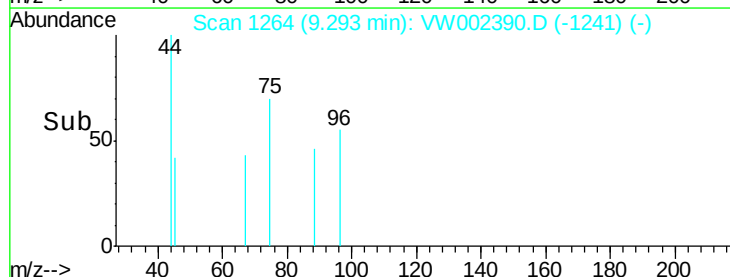
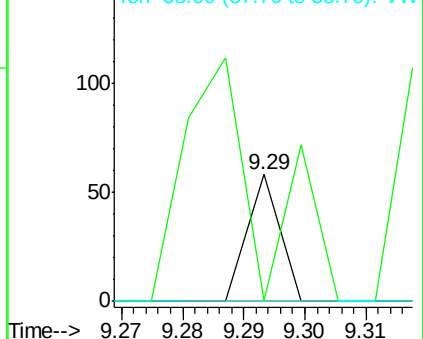
58 0.0 56.0 84.0#

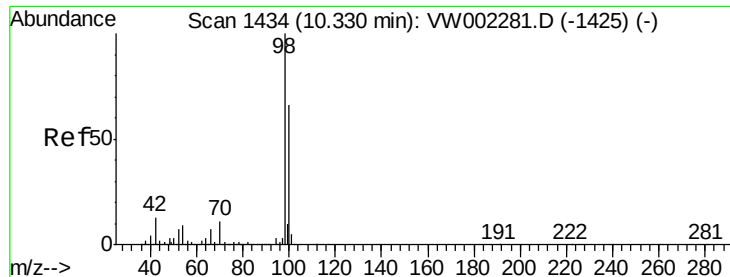


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 38.21 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002390.D

Acq: 10 May 2018 19:21

Instrument :

MSVOA_W

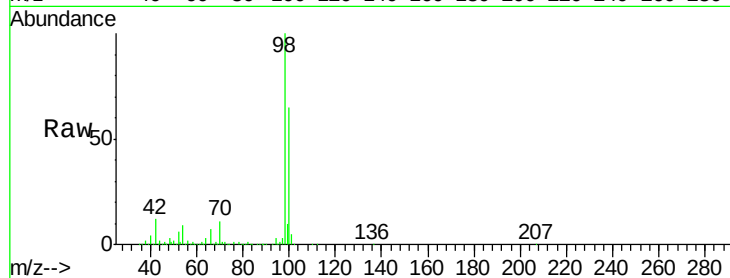
ClientSampleId :

Tot Ion: 98 Resp: 247511

Ion Ratio Lower Upper

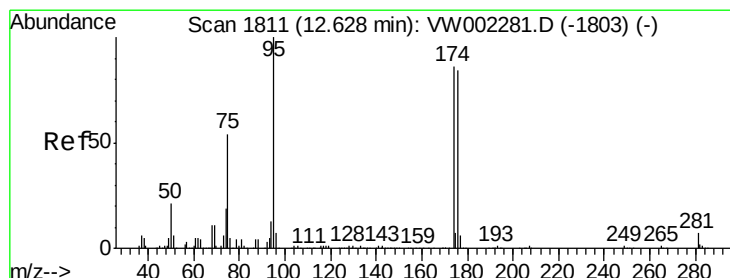
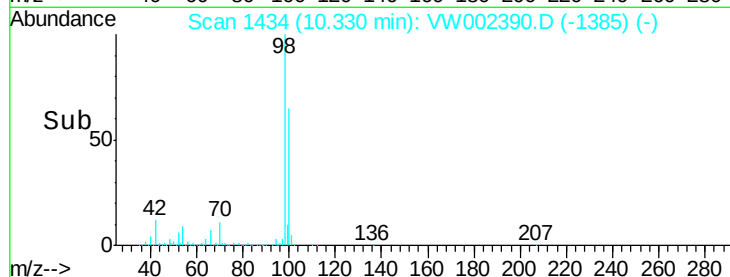
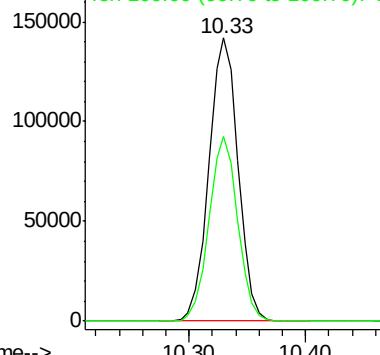
98 100

100 64.0 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: 33.39 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002390.D

Acq: 10 May 2018 19:21

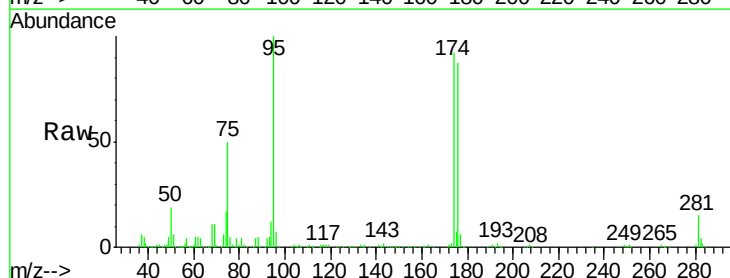
Tgt Ion: 95 Resp: 78164

Ion Ratio Lower Upper

95 100

174 89.4 0.0 176.8

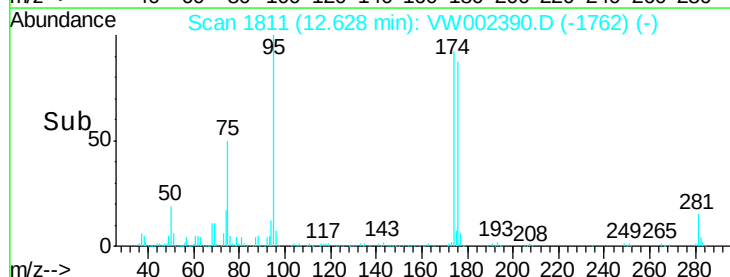
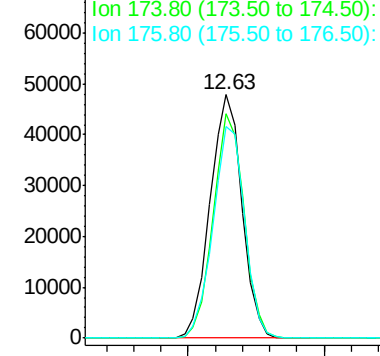
176 86.7 0.0 170.4

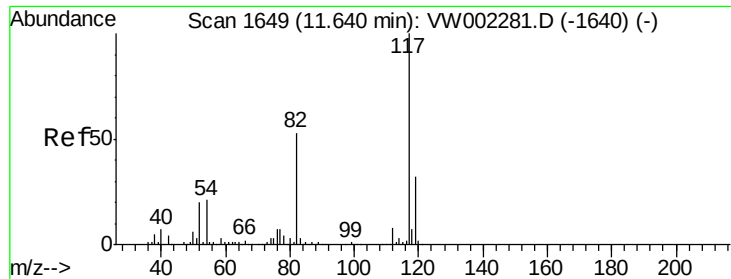


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

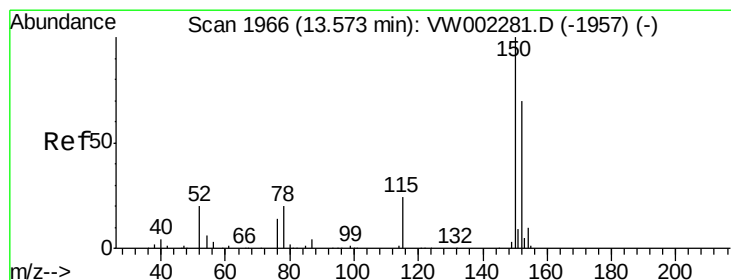
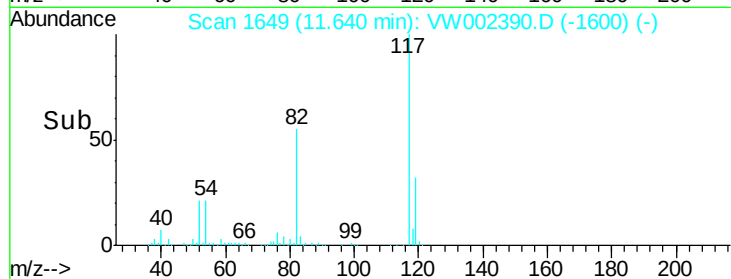
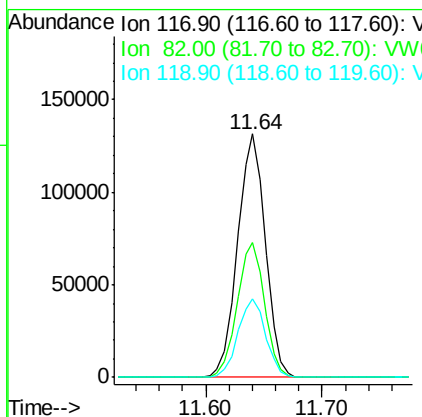
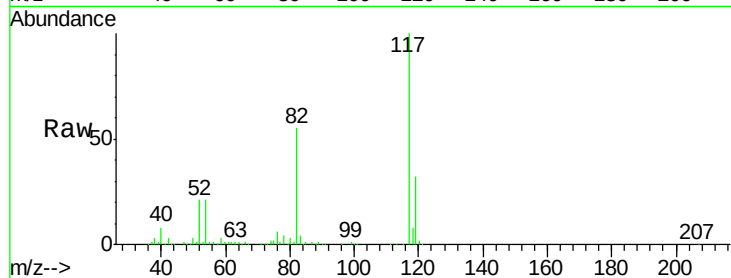




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002390.D
Acq: 10 May 2018 19:21

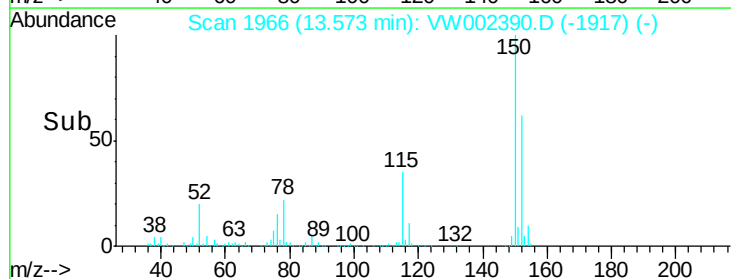
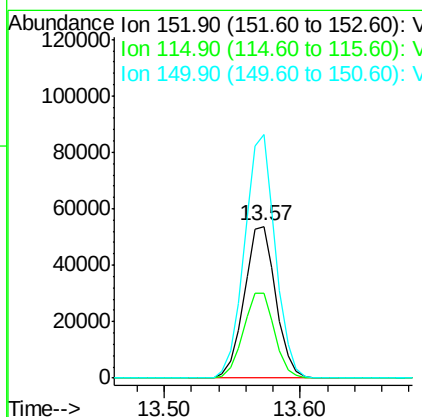
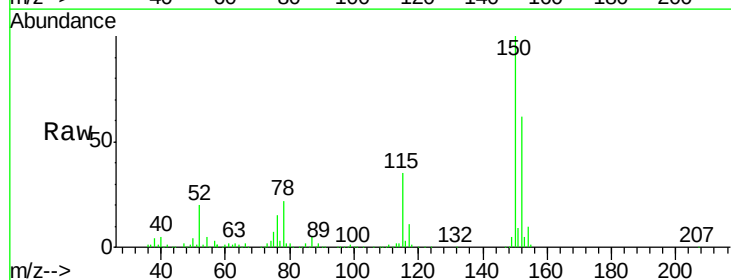
Instrument :
MSVOA_W
ClientSampleId :

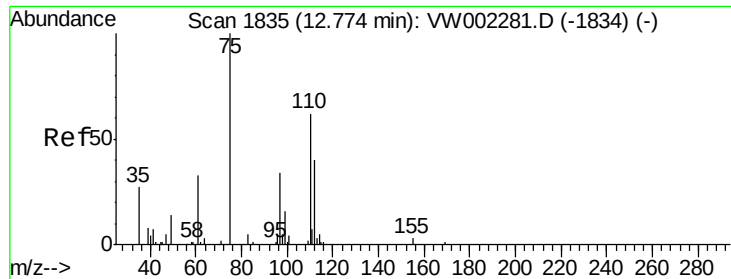
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.6	63.8
119	32.2	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW002390.D
Acq: 10 May 2018 19:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.5	85.5
150	157.1	0.0	342.6





#76

1,2,3-Trichloropropane

Concen: 51.85 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002390.D

Acq: 10 May 2018 19:21

Instrument :

MSVOA_W

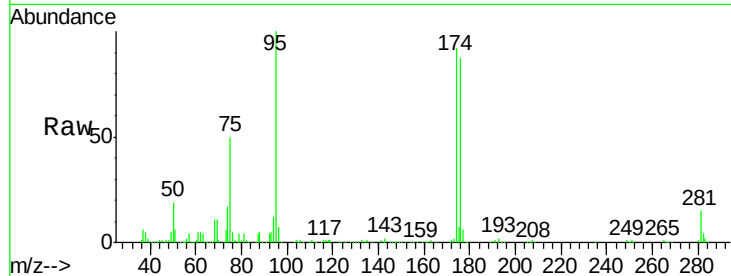
ClientSampled :

Tot Ion: 75 Resp: 39828

Ion Ratio Lower Upper

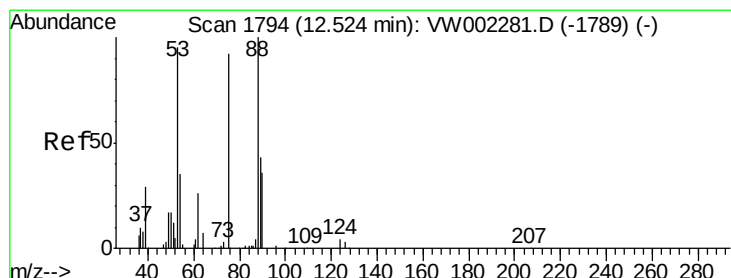
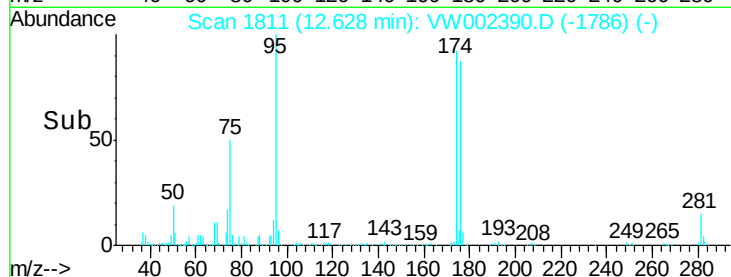
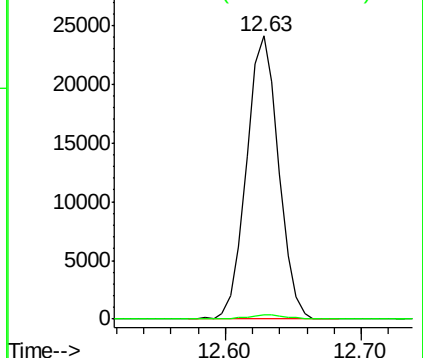
75 100

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: 136.57 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002390.D

Acq: 10 May 2018 19:21

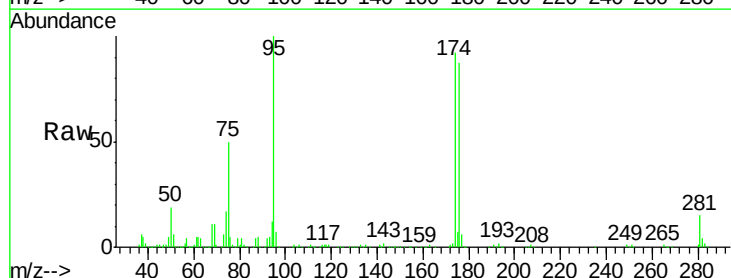
Tgt Ion: 75 Resp: 39828

Ion Ratio Lower Upper

75 100

53 0.3 79.9 119.9#

89 0.4 37.6 56.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

