

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102918\
 Data File : VW006435.D
 Acq On : 27 Oct 2018 06:34
 Operator : SY/AP
 Sample : J5636-03RE
 Misc : 4.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HP-GRID-CRE

Quant Time: Oct 27 07:00:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	270610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	31111	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	87440	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
35) Dibromofluoromethane	7.88	113	90163	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	
50) Toluene-d8	10.33	98	244129	40.13	ug/l	0.00
Spiked Amount			Recovery	=	80.26%	
62) 4-Bromofluorobenzene	12.62	95	39908	17.47	ug/l	0.00
Spiked Amount			Recovery	=	34.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	128	1.125	ug/l #	71
16) Acetone	4.16	43	2779	Below Cal	#	81
20) Methylene Chloride	4.92	84	8998	3.514	ug/l #	86
25) 2-Butanone	7.17	43	1499	3.281	ug/l #	79
31) Cyclohexane	7.95	56	3927	1.269	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	12614	5.057	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17459	6.385	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	20516	86.337	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	20516	206.380	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.37	75	87	1.454	ug/l #	1
95) Naphthalene	15.37	128	3870	3.164	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006435.D

Acq: 27 Oct 2018 06:34

Instrument :

MSVOA_W

ClientSampled :

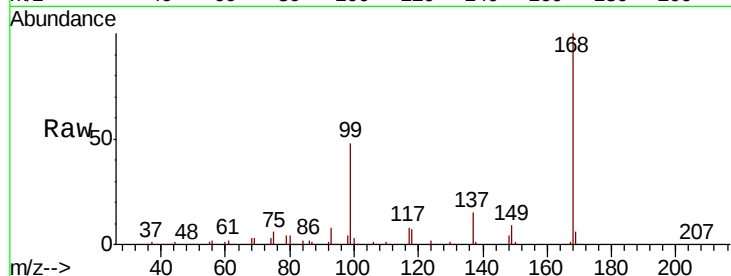
HP-GRID-CRE

Tgt Ion:168 Resp: 204020

Ion Ratio Lower Upper

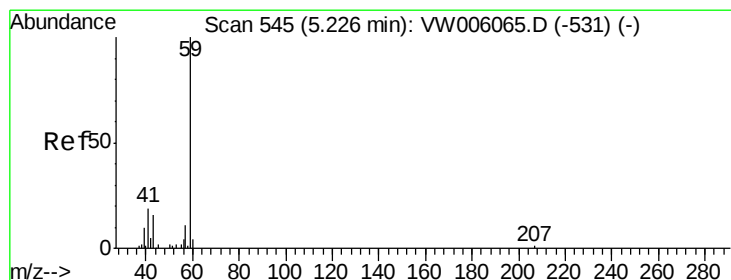
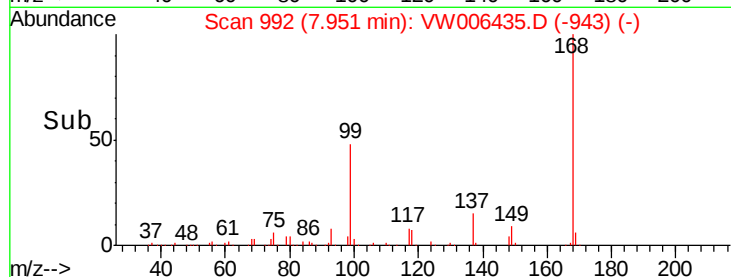
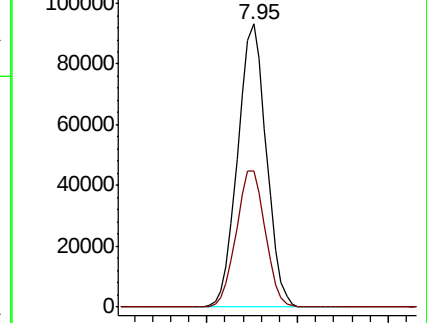
168 100

99 48.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.125 ug/l

RT: 5.24 min Scan# 548

Delta R.T. 0.02 min

Lab File: VW006435.D

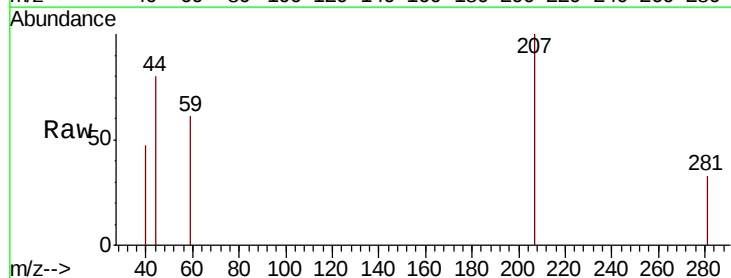
Acq: 27 Oct 2018 06:34

Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

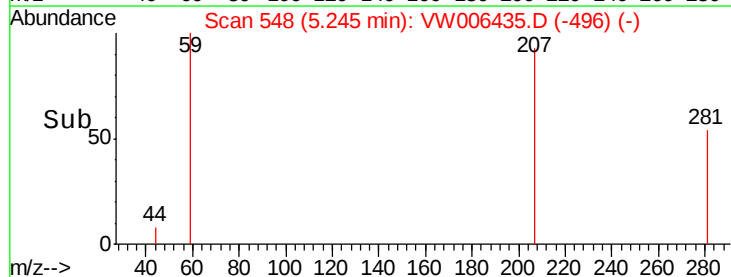
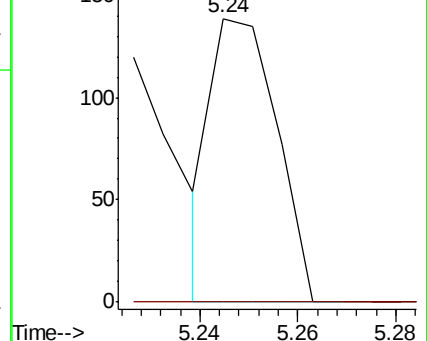
59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.16 min Scan# 370

Delta R.T. 0.01 min

Lab File: VW006435.D

Acq: 27 Oct 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

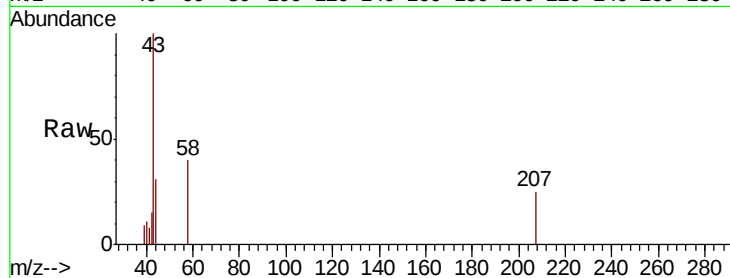
HP-GRID-CRE

Tgt Ion: 43 Resp: 2779

Ion Ratio Lower Upper

43 100

58 40.4 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.16

800

600

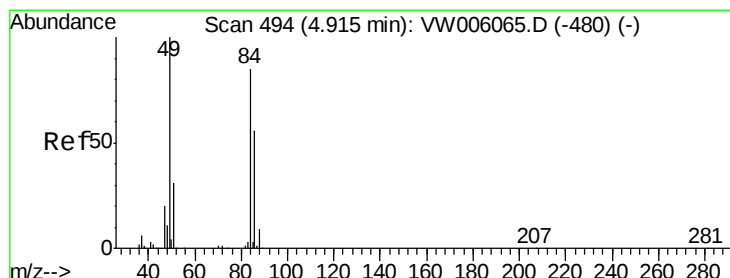
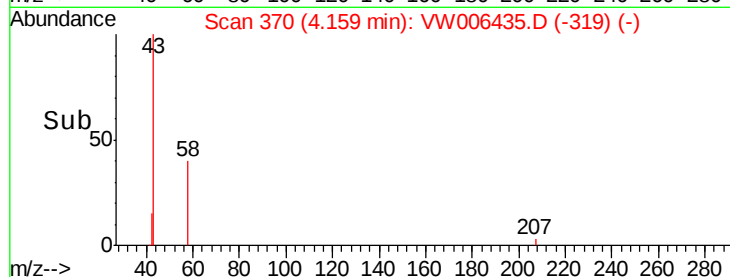
400

200

0

4.10 4.20

Time-->



#20

Methylene Chloride

Concen: 3.514 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006435.D

Acq: 27 Oct 2018 06:34

Tgt Ion: 84 Resp: 8998

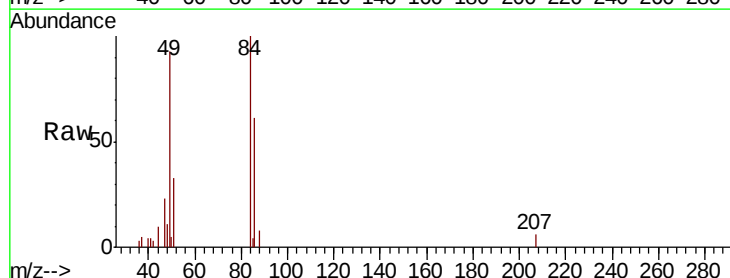
Ion Ratio Lower Upper

84 100

49 92.9 93.6 140.4#

51 33.3 29.0 43.4

86 61.3 52.6 79.0



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

4.92

4000

3000

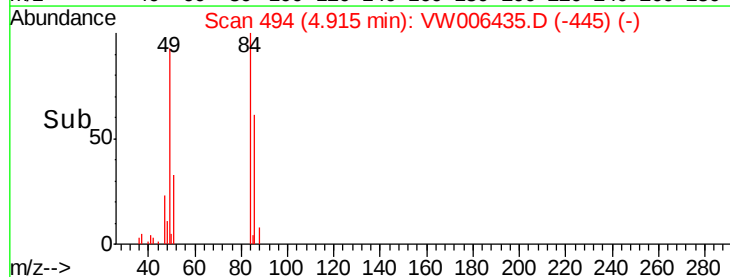
2000

1000

0

4.80 4.90 5.00

Time-->

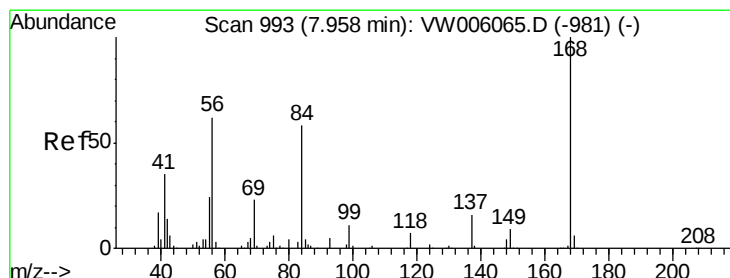
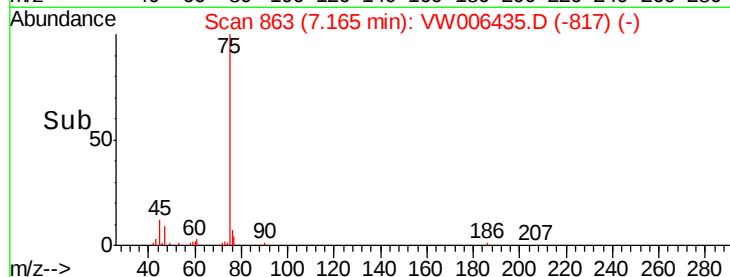
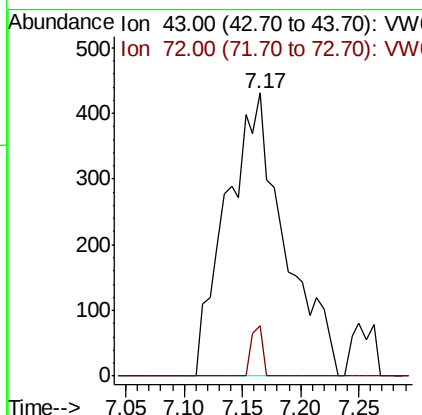
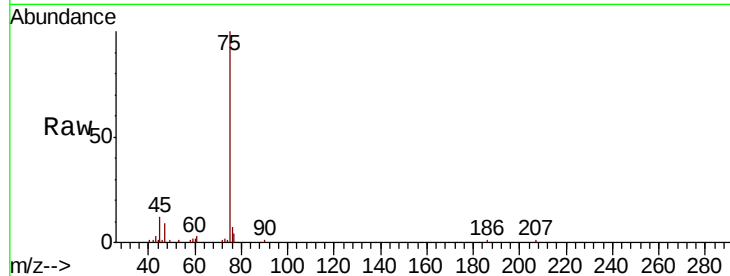




#25
2-Butanone
Concen: 3.281 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.02 min
Lab File: VW006435.D
Acq: 27 Oct 2018 06:34

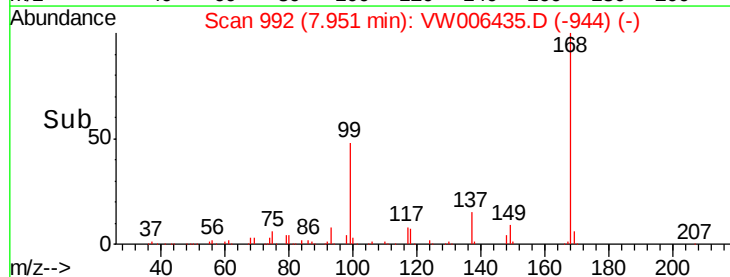
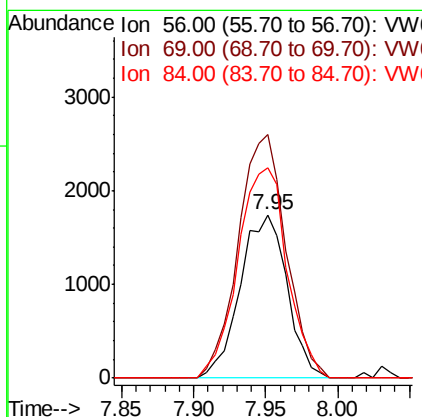
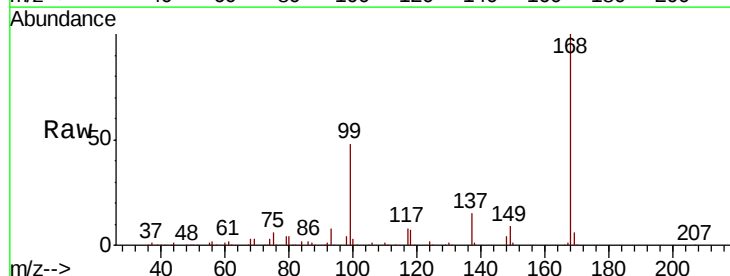
Instrument :
MSVOA_W
ClientSampleId :
HP-GRID-CRE

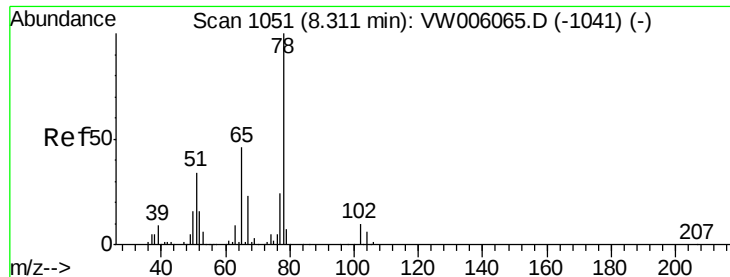
Tgt Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
72 17.6 22.8 34.2#



#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006435.D
Acq: 27 Oct 2018 06:34

Tgt Ion: 56 Resp: 3927
Ion Ratio Lower Upper
56 100
69 149.1 29.4 44.0#
84 128.6 74.0 111.0#

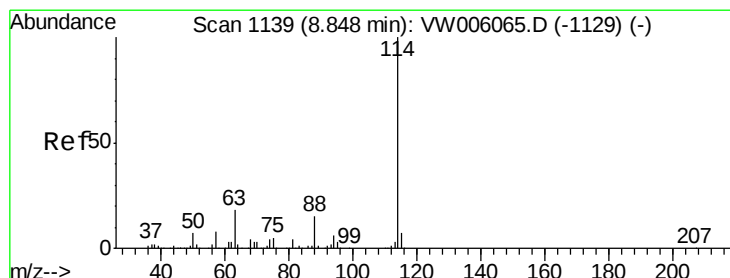
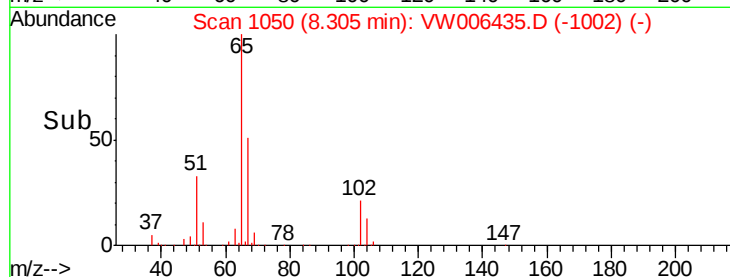
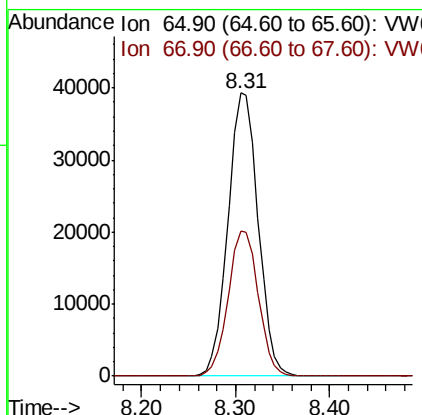
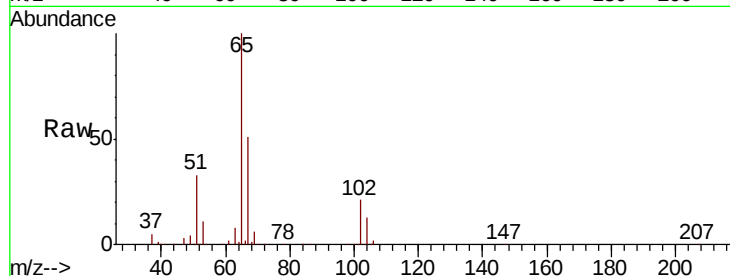




#33
 1,2-Dichloroethane-d4
 Concen: 51.696 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006435.D
 Acq: 27 Oct 2018 06:34

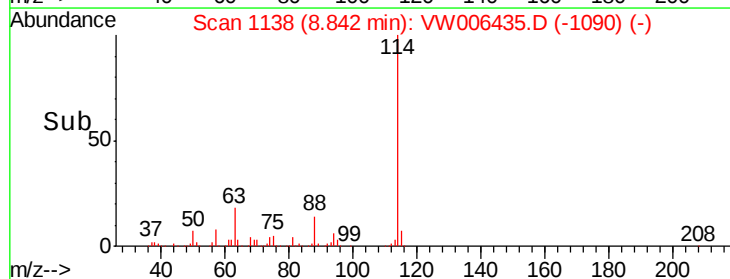
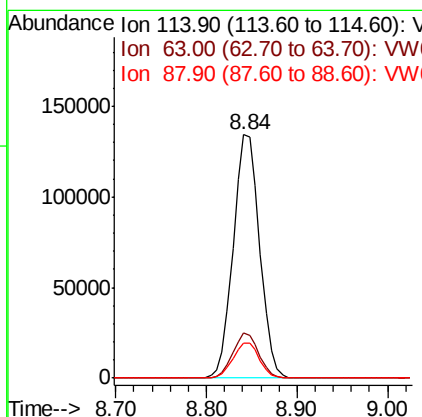
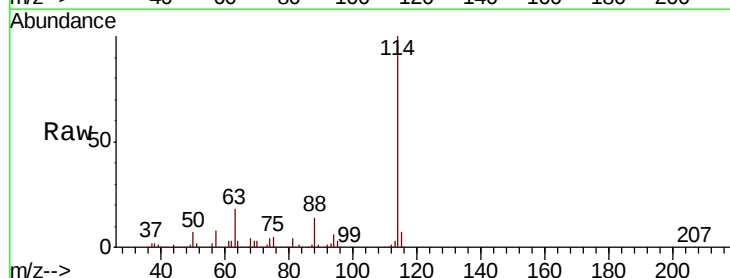
Instrument :
 MSVOA_W
 ClientSampleId :
 HP-GRID-CRE

Tgt Ion: 65 Resp: 87440
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006435.D
 Acq: 27 Oct 2018 06:34

Tgt Ion: 114 Resp: 270610
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.8
 88 14.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 56.386 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006435.D

Acq: 27 Oct 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

HP-GRID-CRE

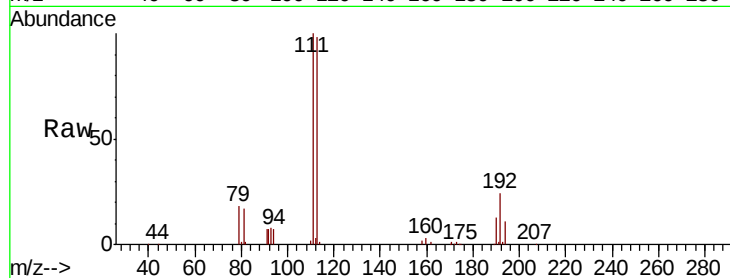
Tgt Ion:113 Resp: 90163

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

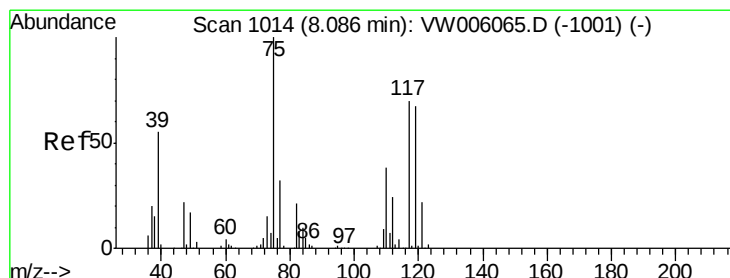
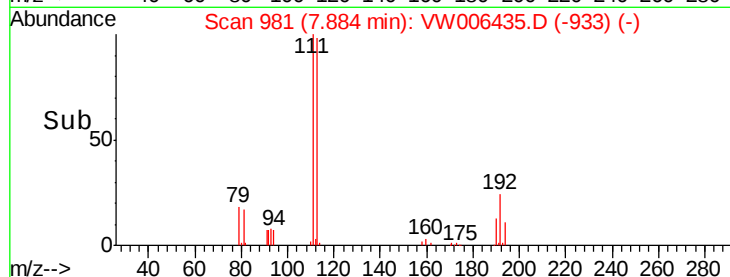
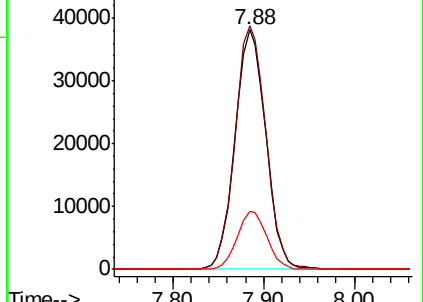
192 23.5 18.7 28.1



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: 5.057 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006435.D

Acq: 27 Oct 2018 06:34

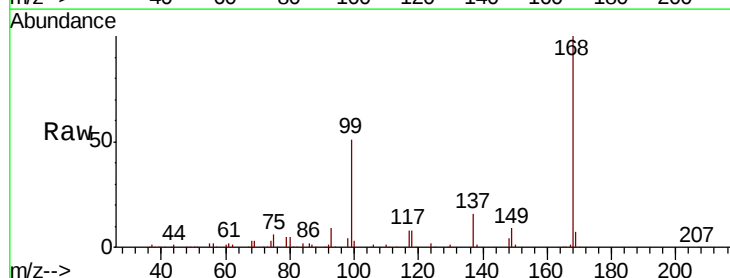
Tgt Ion: 75 Resp: 12614

Ion Ratio Lower Upper

75 100

110 10.1 19.1 57.1#

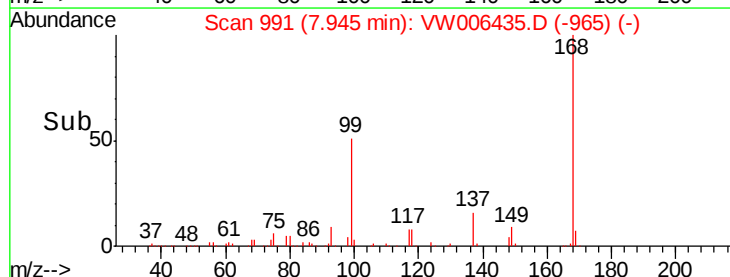
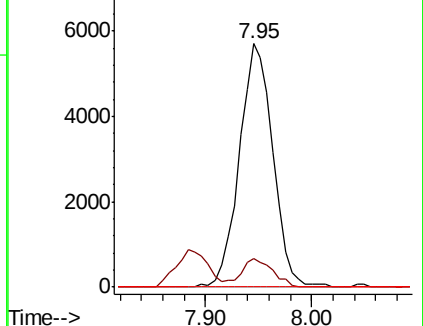
77 0.0 25.0 37.4#

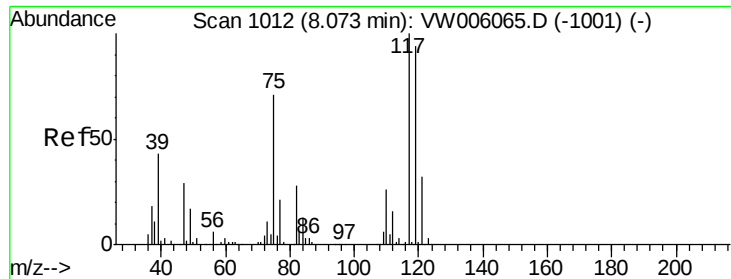


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

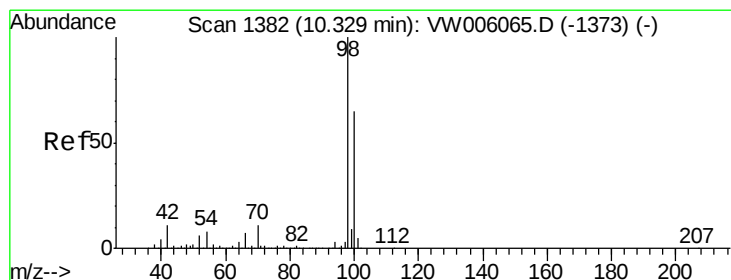
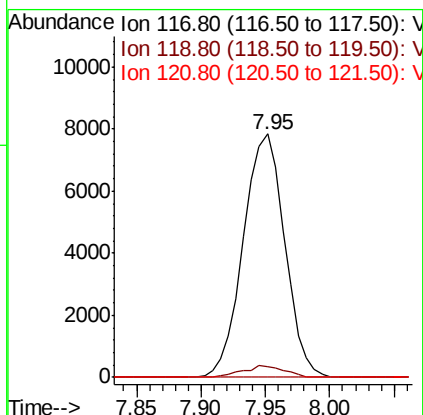
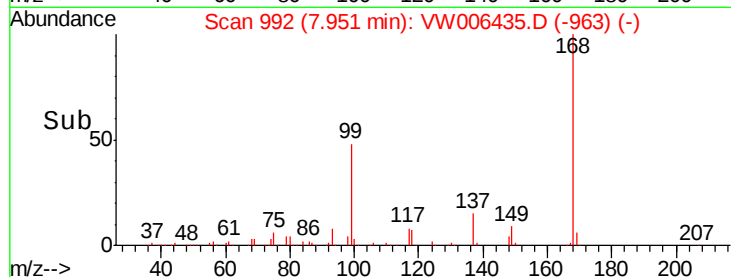
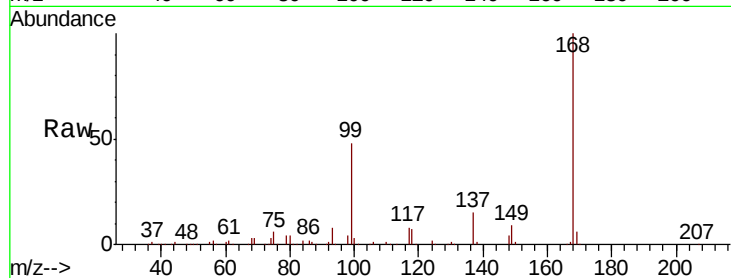




#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006435.D
Acq: 27 Oct 2018 06:34

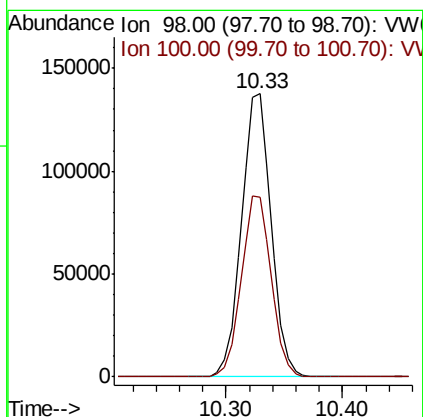
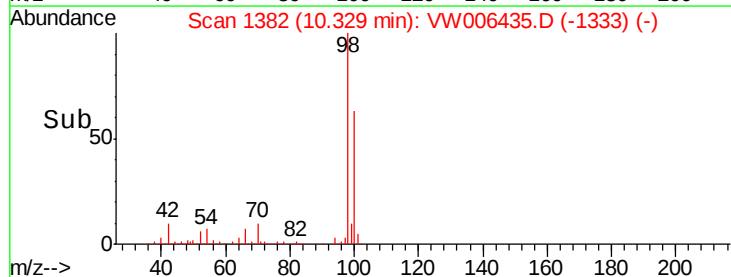
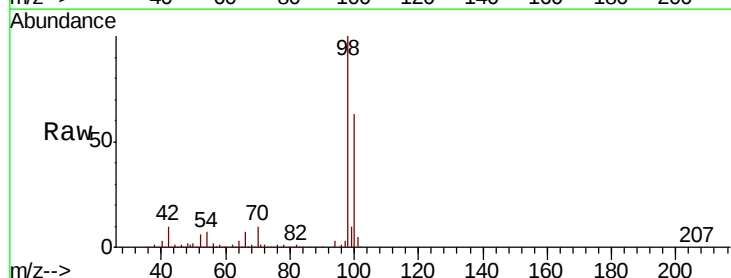
Instrument :
MSVOA_W
ClientSampleId :
HP-GRID-CRE

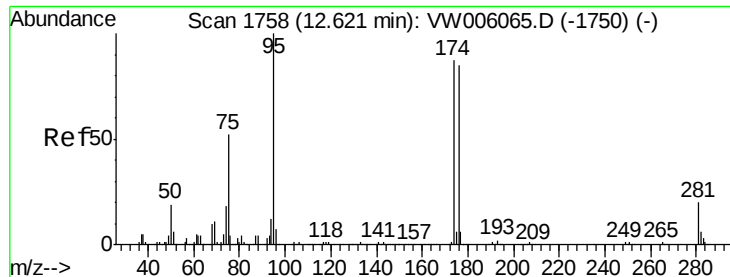
Tgt Ion:117 Resp: 17459
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 40.130 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006435.D
Acq: 27 Oct 2018 06:34

Tgt Ion: 98 Resp: 244129
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

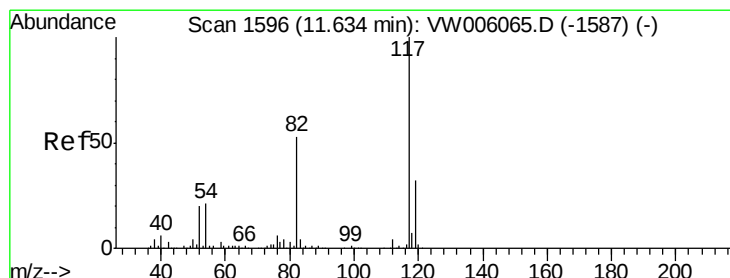
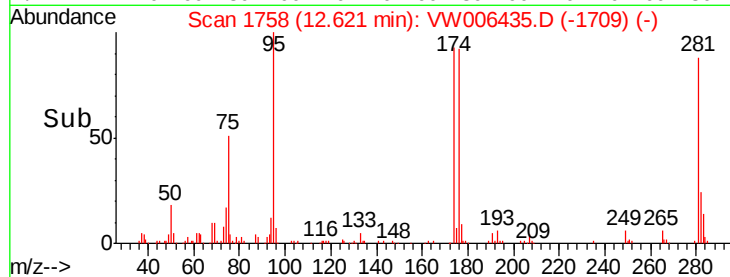
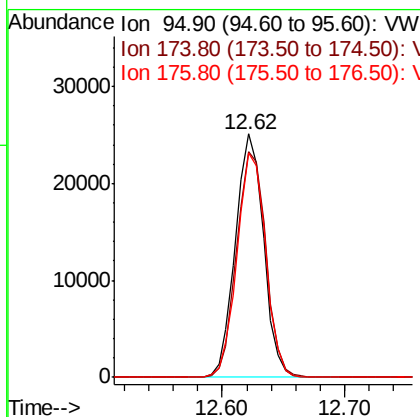
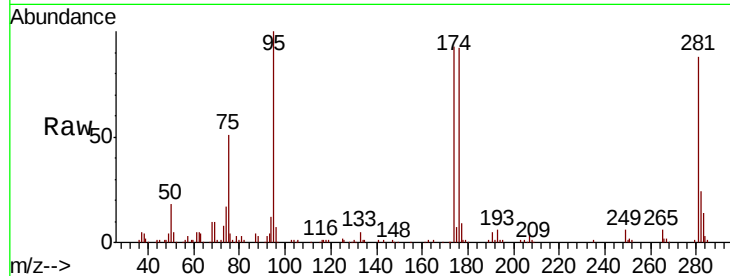




#62
4-Bromofluorobenzene
Concen: 17.466 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006435.D
Acq: 27 Oct 2018 06:34

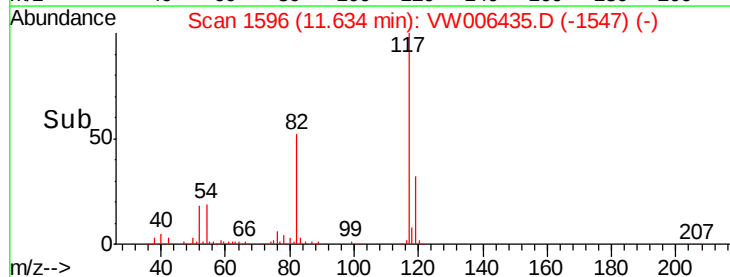
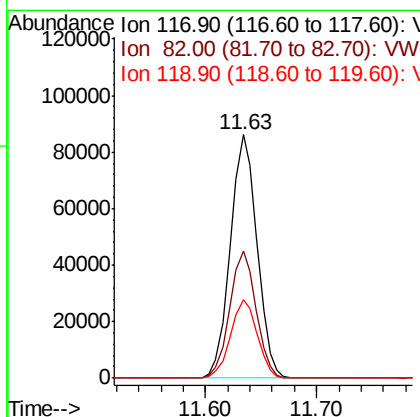
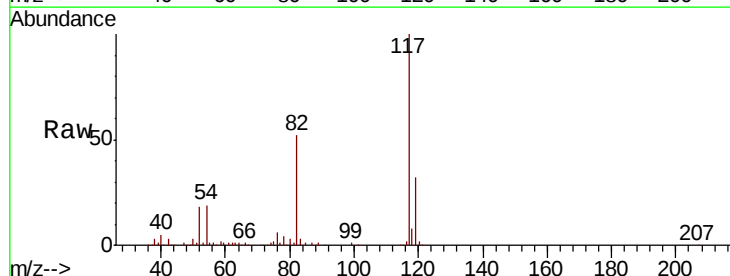
Instrument :
MSVOA_W
ClientSampleId :
HP-GRID-CRE

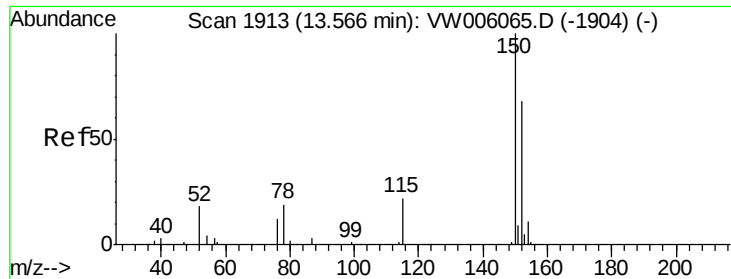
Tgt Ion: 95 Resp: 39908
Ion Ratio Lower Upper
95 100
174 96.5 0.0 186.0
176 93.7 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006435.D
Acq: 27 Oct 2018 06:34

Tgt Ion: 117 Resp: 142717
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006435.D

Acq: 27 Oct 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

HP-GRID-CRE

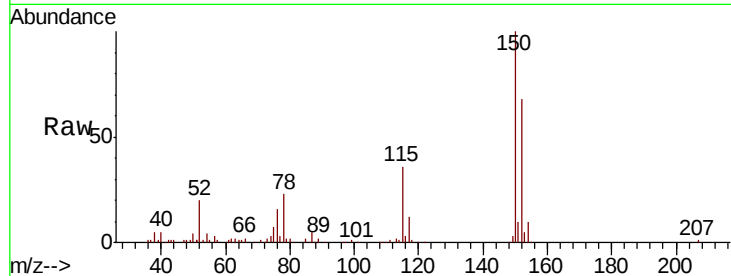
Tgt Ion:152 Resp: 31111

Ion Ratio Lower Upper

152 100

115 53.8 27.8 83.3

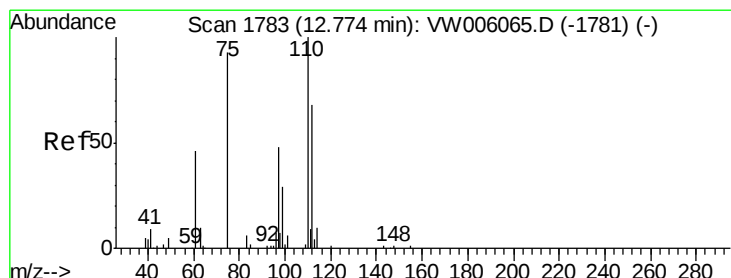
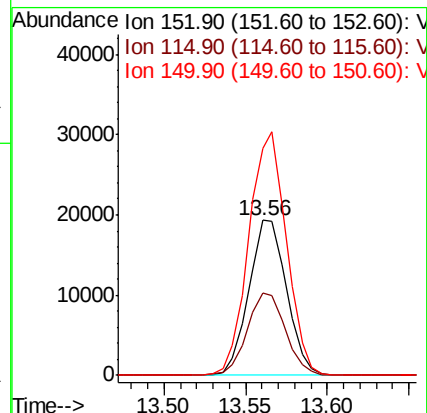
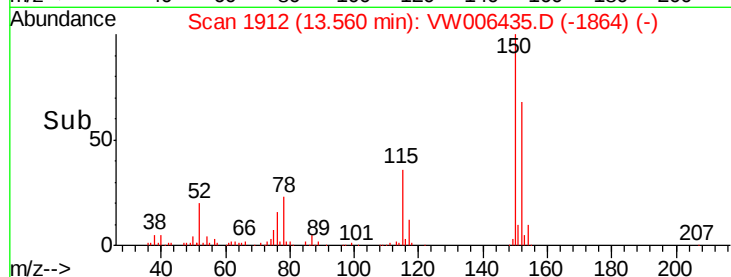
150 156.4 0.0 349.2



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: 86.337 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006435.D

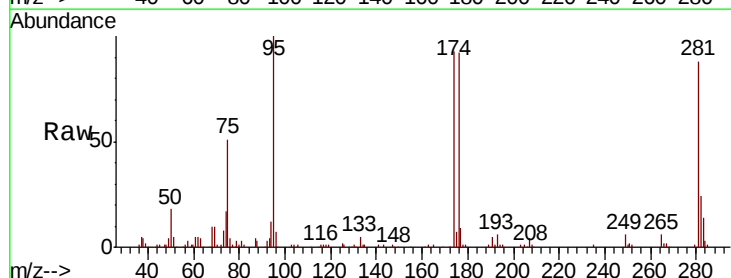
Acq: 27 Oct 2018 06:34

Tgt Ion: 75 Resp: 20516

Ion Ratio Lower Upper

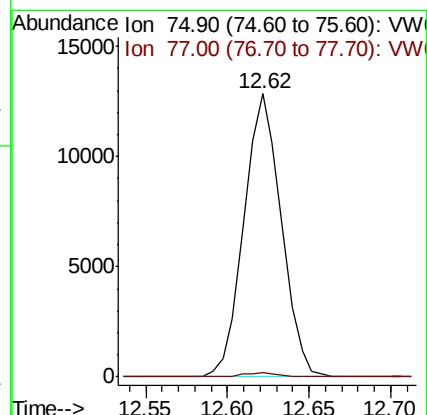
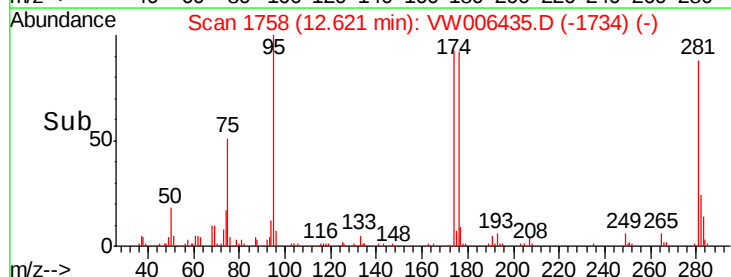
75 100

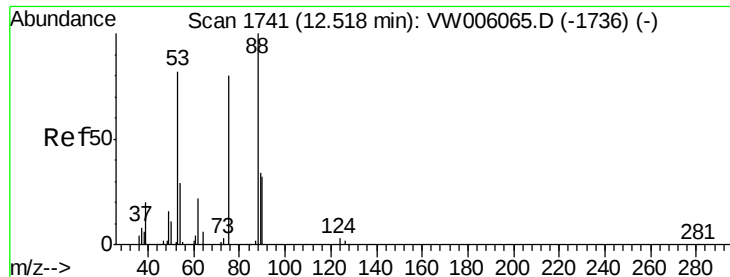
77 1.0 0.0 0.0#



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: 206.380 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006435.D

Acq: 27 Oct 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

HP-GRID-CRE

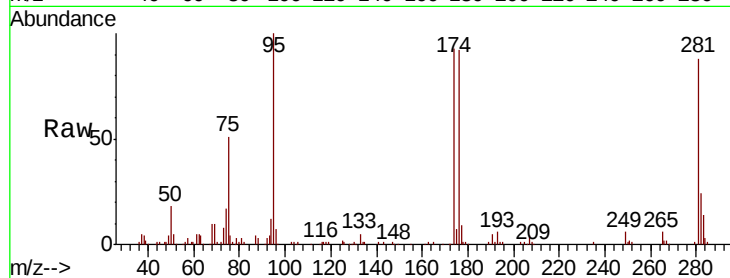
Tgt Ion: 75 Resp: 20516

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

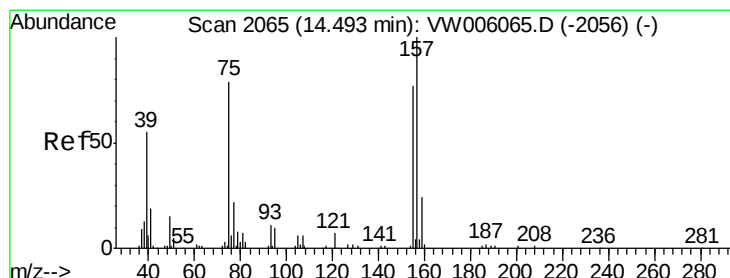
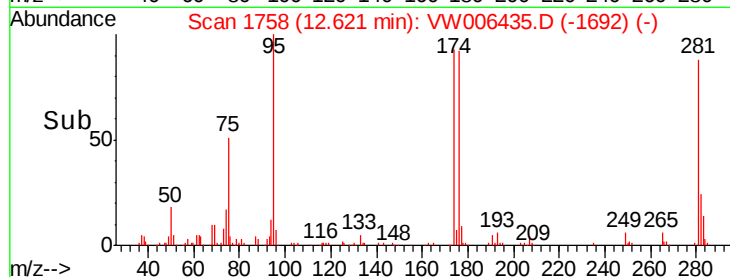
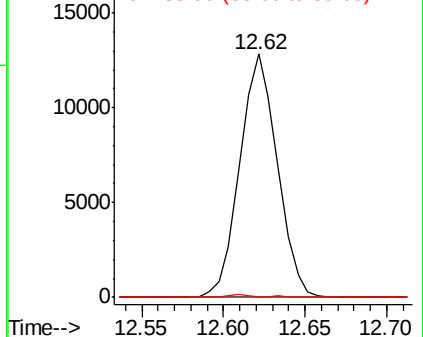
89 0.1 37.5 56.3#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.454 ug/l

RT: 14.37 min Scan# 2045

Delta R.T. -0.12 min

Lab File: VW006435.D

Acq: 27 Oct 2018 06:34

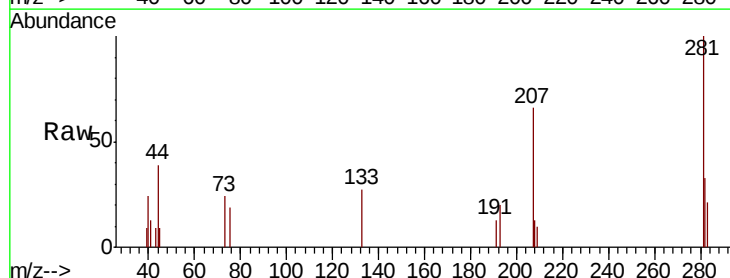
Tgt Ion: 75 Resp: 87

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

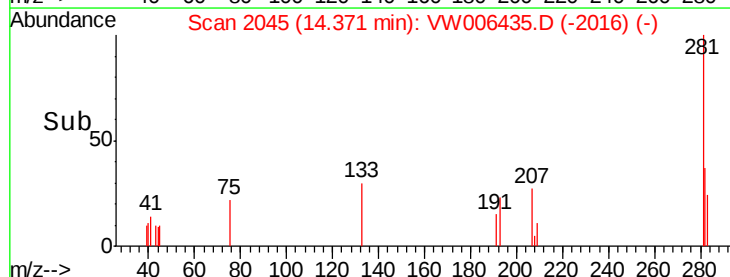
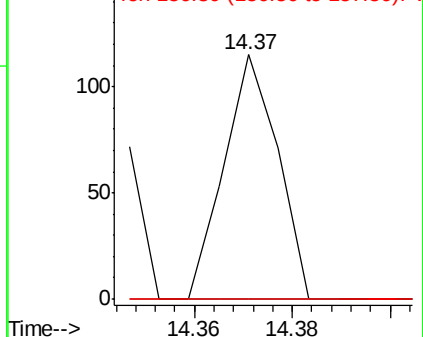
157 0.0 59.8 179.4#

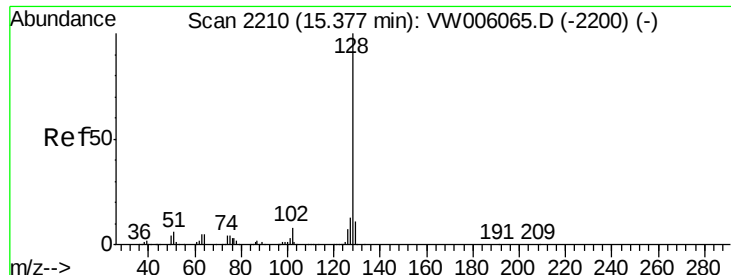


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 3.164 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW006435.D

Acq: 27 Oct 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

HP-GRID-CRE

Tgt Ion:128 Resp: 3870

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 11.2 8.7 13.1

