

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005563.D
 Acq On : 21 Sep 2018 16:32
 Operator : VA/AP
 Sample : J5042-02
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 17:48:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 17:28:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	58086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	93411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	75228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	25510	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	37780	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
35) Dibromofluoromethane	7.89	113	26810	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
50) Toluene-d8	10.33	98	78011	32.62	ug/l	0.00
Spiked Amount			Recovery	=	65.24%	
62) 4-Bromofluorobenzene	12.62	95	21363	24.14	ug/l	0.00
Spiked Amount			Recovery	=	48.28%	

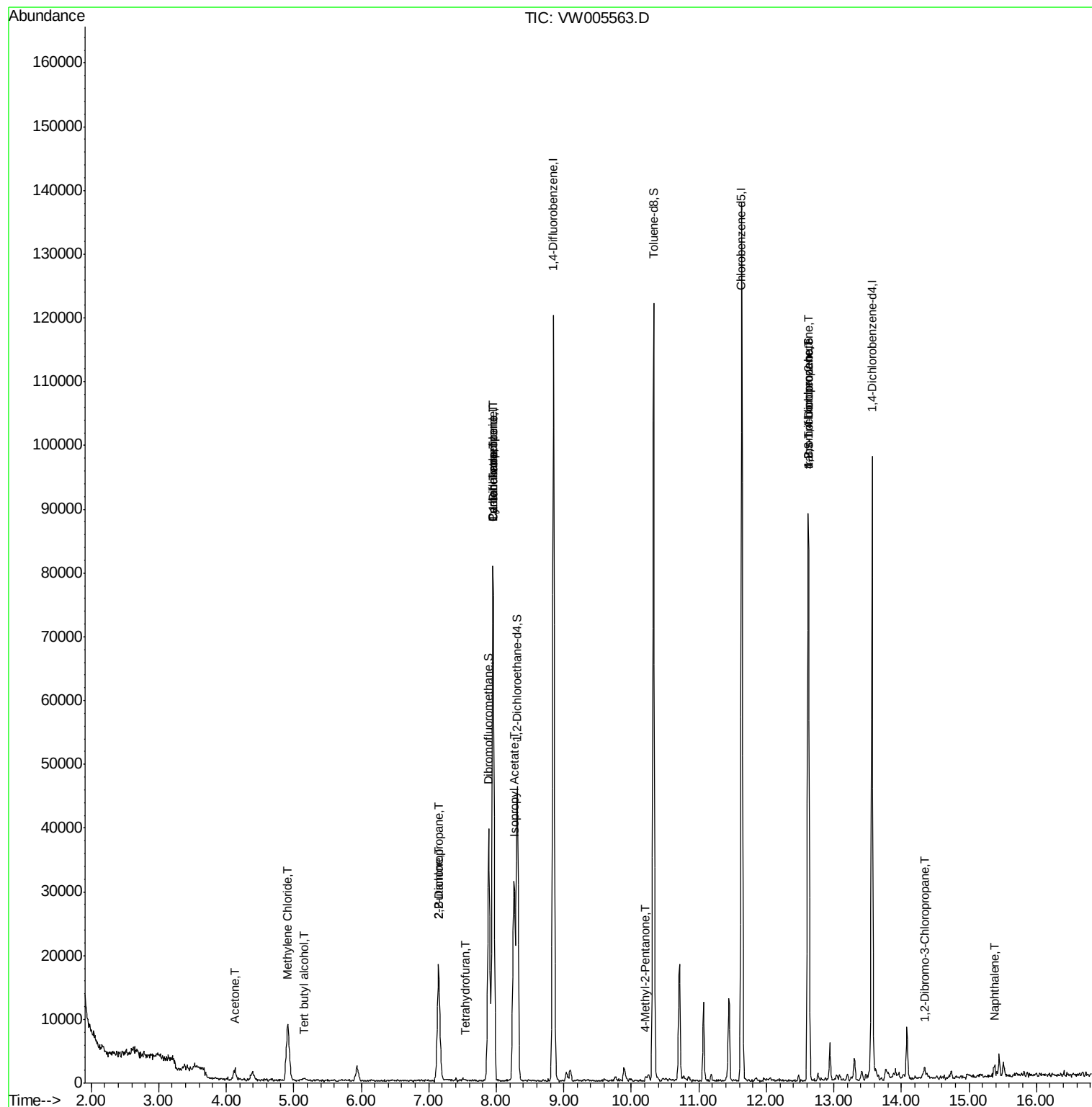
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	19	Below Cal	#	41
11) Tert butyl alcohol	5.17	59	237	4.378	ug/l #	72
16) Acetone	4.14	43	3029	19.454	ug/l #	82
20) Methylene Chloride	4.91	84	6629	7.957	ug/l	95
25) 2-Butanone	7.15	43	1253	7.539	ug/l #	88
26) 2,2-Dichloropropane	7.15	77	1237	1.600	ug/l #	54
29) Tetrahydrofuran	7.56	42	160	1.541	ug/l #	35
31) Cyclohexane	7.95	56	1470	1.386	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4580	4.871	ug/l #	51
38) Carbon Tetrachloride	7.95	117	5781	5.737	ug/l #	15
43) Isopropyl Acetate	8.26	43	1077	1.384	ug/l #	30
51) 4-Methyl-2-Pentanone	10.22	43	681	1.738	ug/l #	77
76) 1,2,3-Trichloropropane	12.62	75	11863	54.554	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	11863	122.871	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.35	75	109	1.947	ug/l #	4
95) Naphthalene	15.38	128	1729	1.925	ug/l #	93

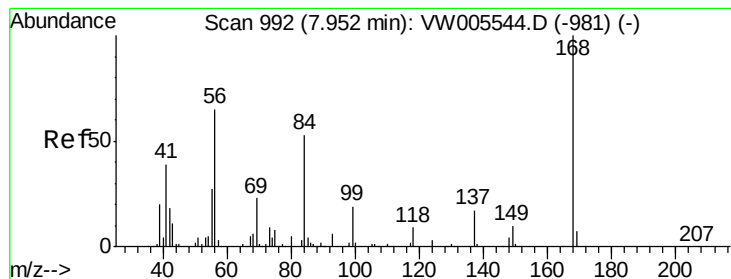
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

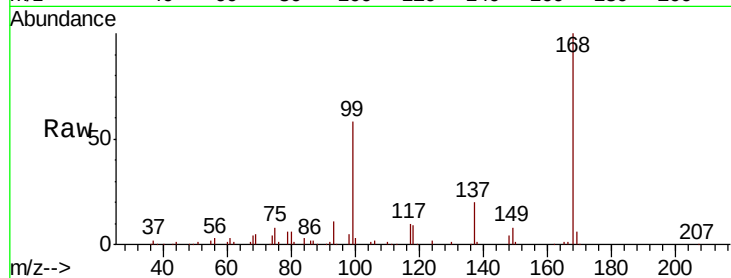
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 58086

Ion Ratio Lower Upper

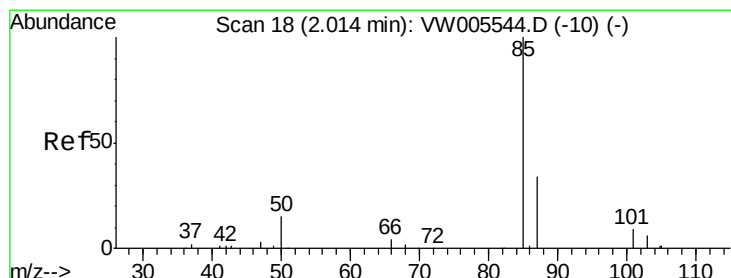
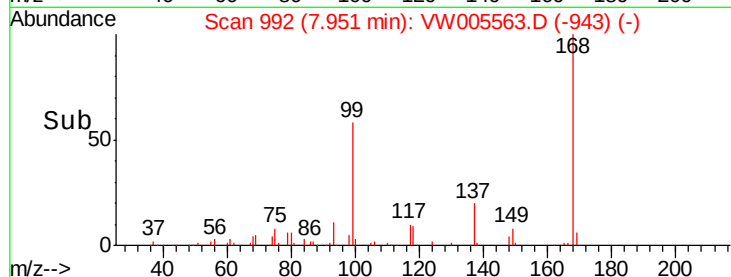
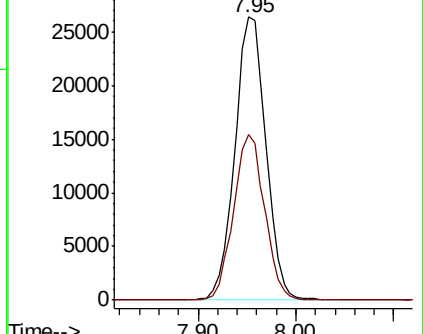
168 100

99 58.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005563.D

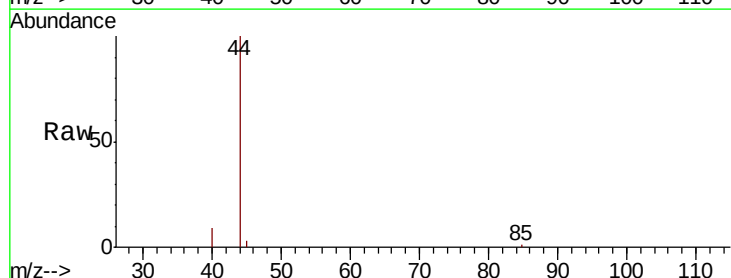
Acq: 21 Sep 2018 16:32

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

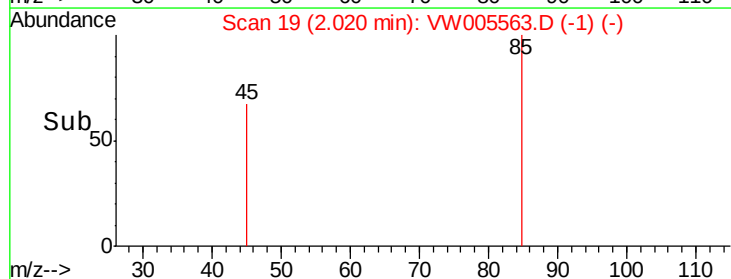
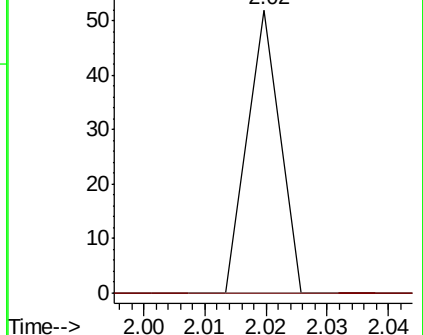
85 100

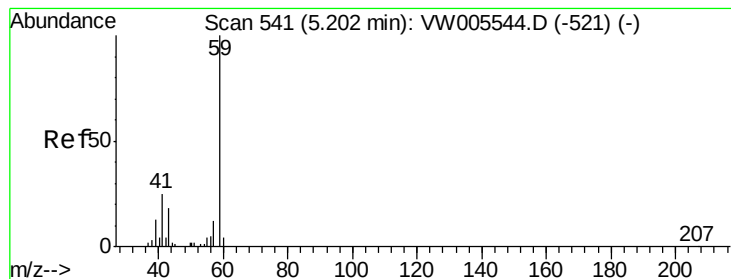
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#11

Tert butyl alcohol

Concen: 4.378 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.04 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_W

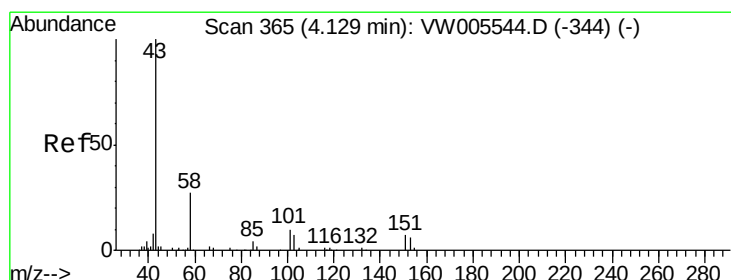
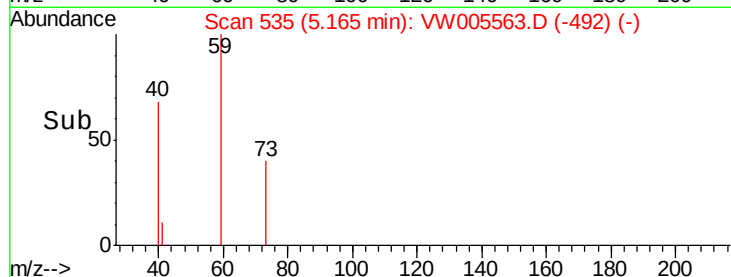
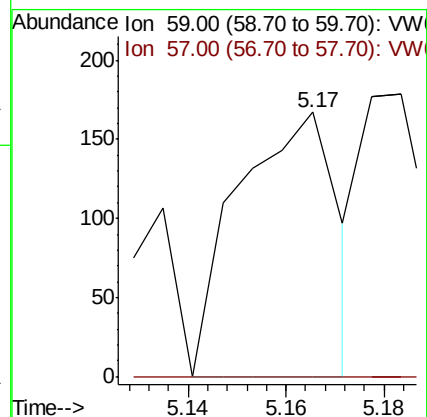
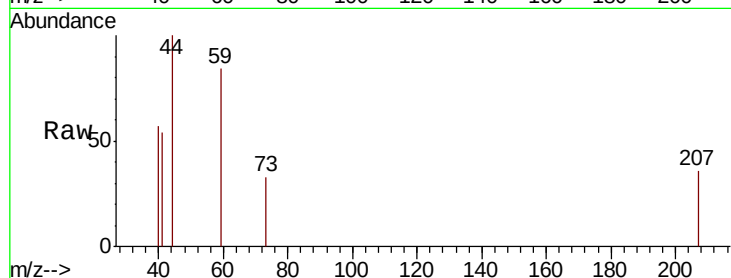
ClientSampled :

Tot Ion: 59 Resp: 237

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 19.454 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005563.D

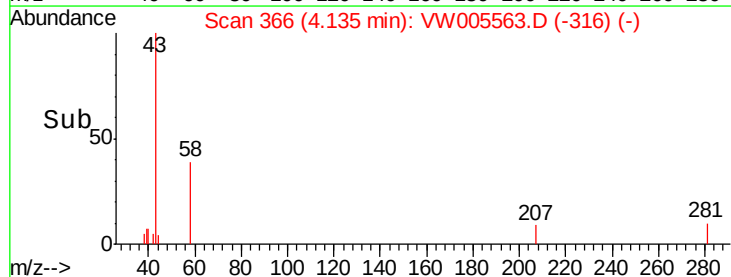
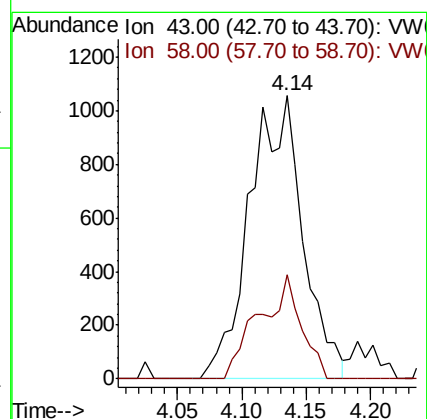
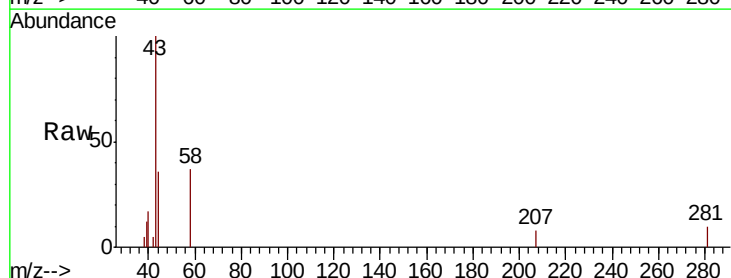
Acq: 21 Sep 2018 16:32

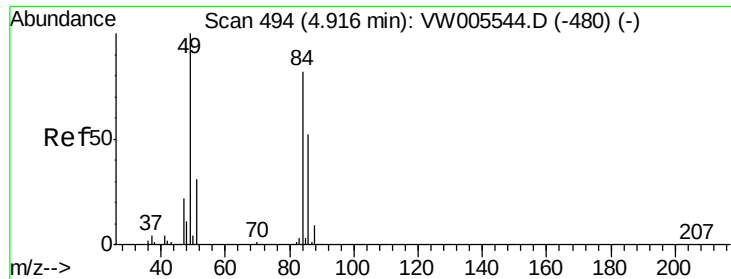
Tgt Ion: 43 Resp: 3029

Ion Ratio Lower Upper

43 100

58 36.6 21.8 32.8#

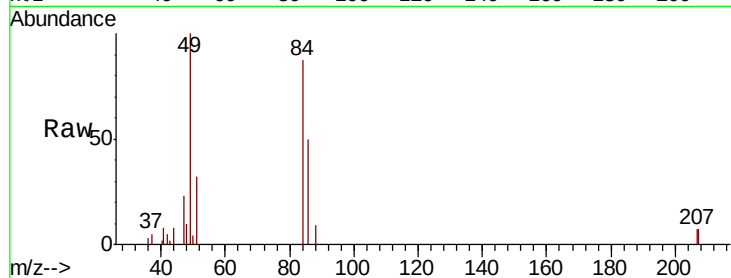




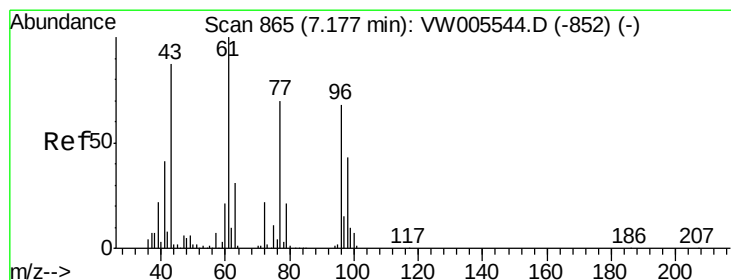
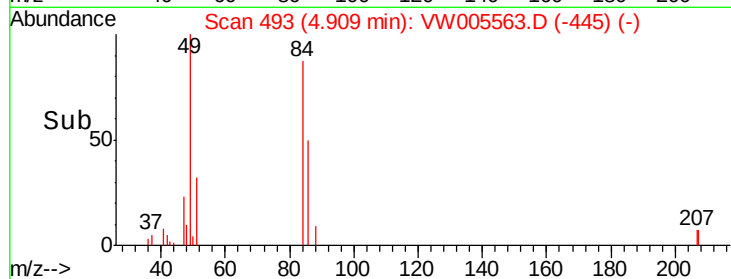
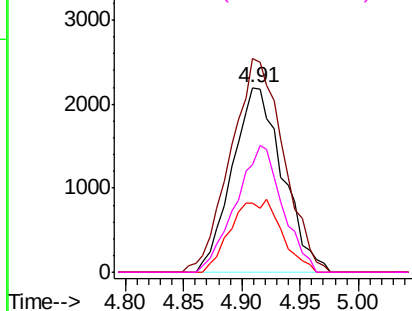
#20
Methylene Chloride
Concen: 7.957 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005563.D
Acq: 21 Sep 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 6629
Ion Ratio Lower Upper
84 100
49 115.5 97.0 145.6
51 37.1 30.2 45.2
86 57.9 50.2 75.4

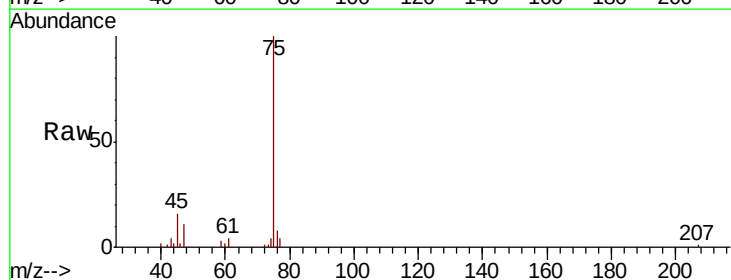


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

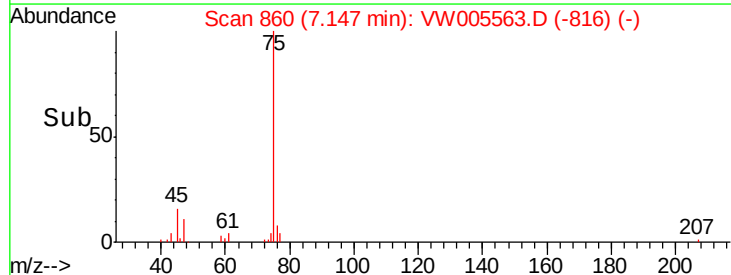
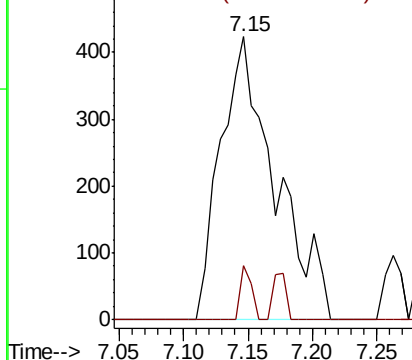


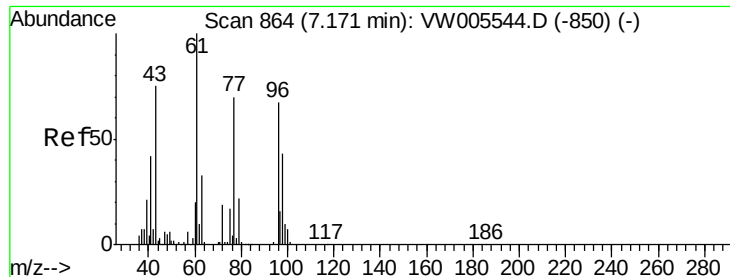
#25
2-Butanone
Concen: 7.539 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW005563.D
Acq: 21 Sep 2018 16:32

Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
72 18.9 19.9 29.9#



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

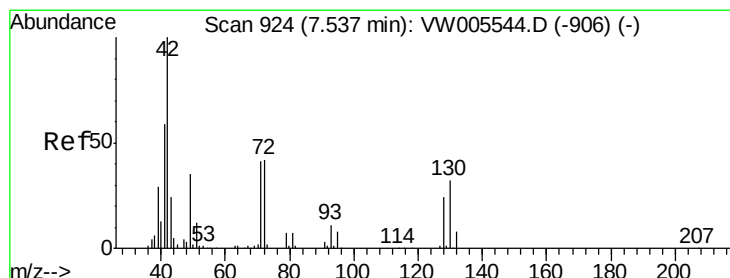
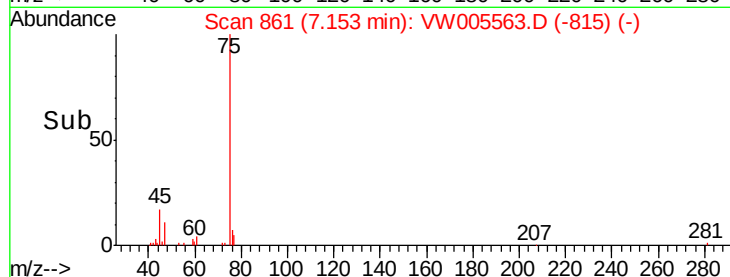
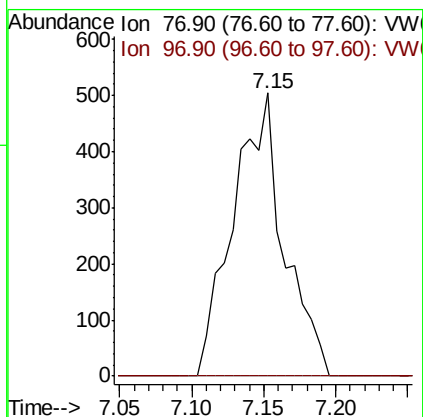
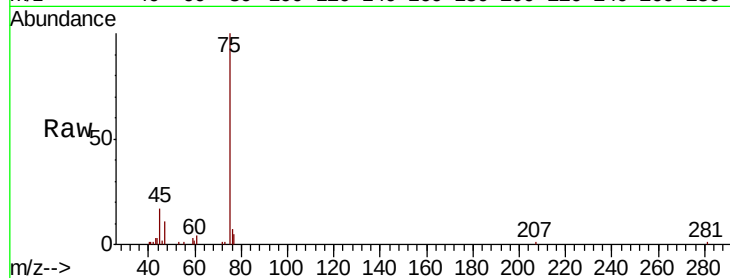




#26
 2,2-Dichloropropane
 Concen: 1.600 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: VW005563.D
 Acq: 21 Sep 2018 16:32

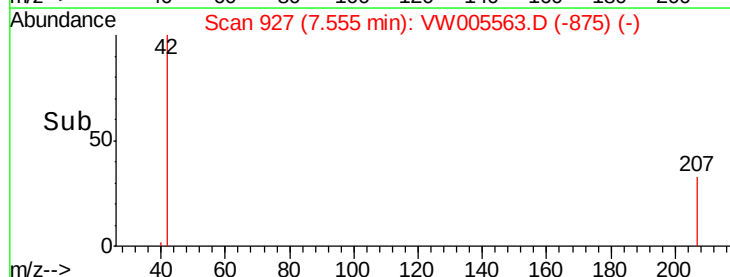
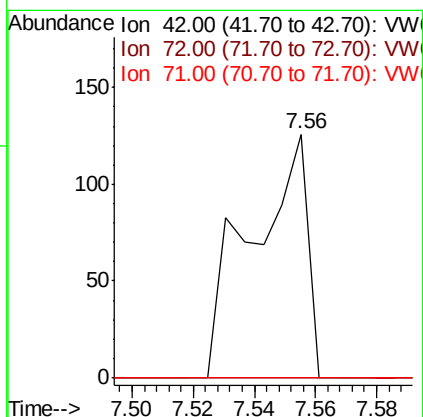
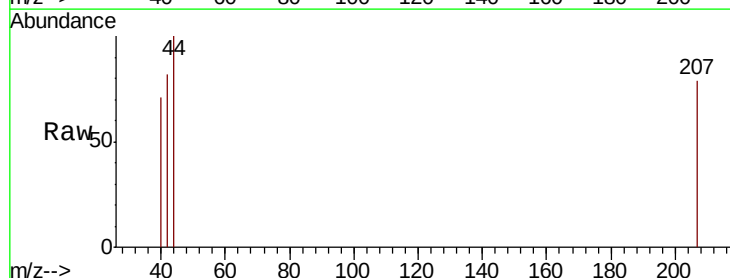
Instrument :
 MSVOA_W
 ClientSampleId :

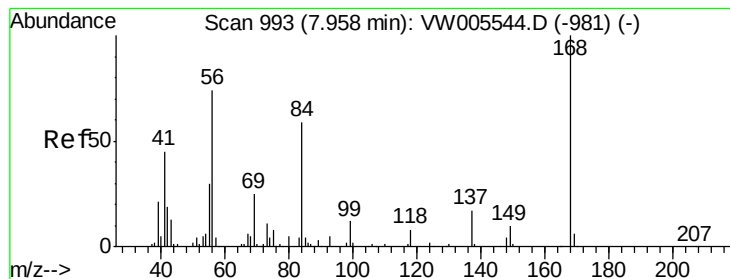
Tot Ion: 77 Resp: 1237
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#29
 Tetrahydrofuran
 Concen: 1.541 ug/l
 RT: 7.56 min Scan# 927
 Delta R.T. 0.02 min
 Lab File: VW005563.D
 Acq: 21 Sep 2018 16:32

Tgt Ion: 42 Resp: 160
 Ion Ratio Lower Upper
 42 100
 72 0.0 33.6 50.4#
 71 0.0 31.8 47.6#





#31

Cyclohexane

Concen: 1.386 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

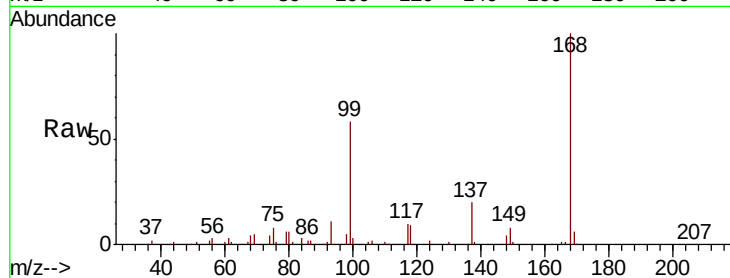
Tot Ion: 56 Resp: 1470

Ion Ratio Lower Upper

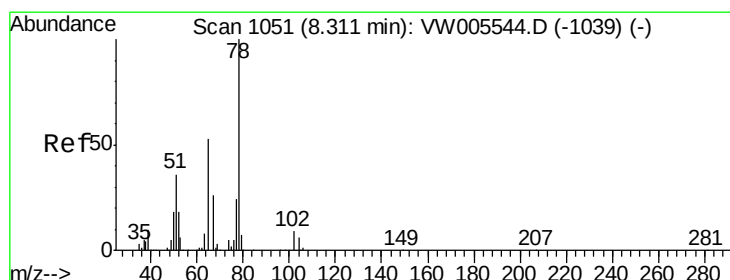
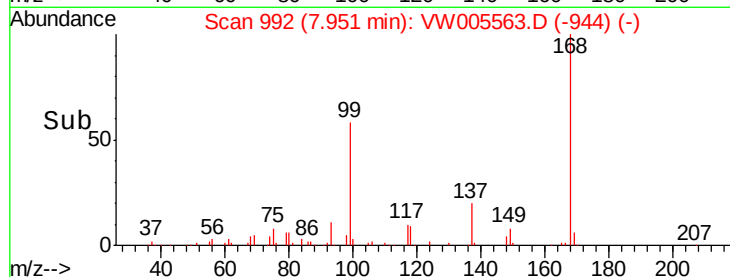
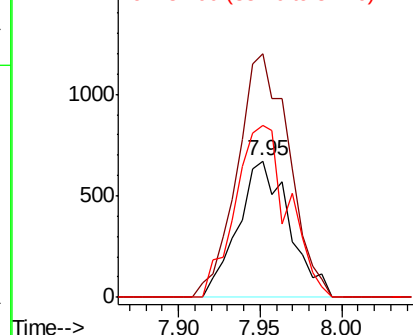
56 100

69 178.7 27.0 40.4#

84 125.9 64.2 96.4#



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: 55.210 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005563.D

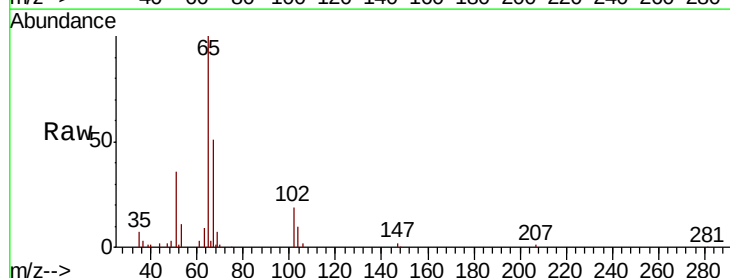
Acq: 21 Sep 2018 16:32

Tgt Ion: 65 Resp: 37780

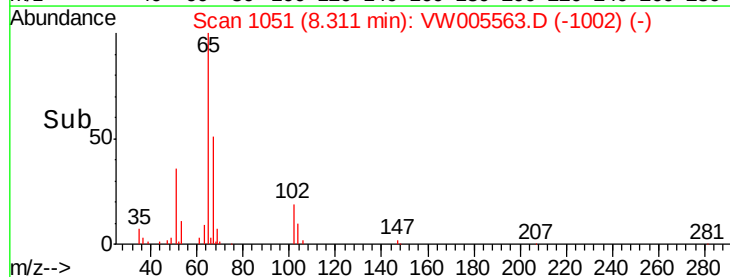
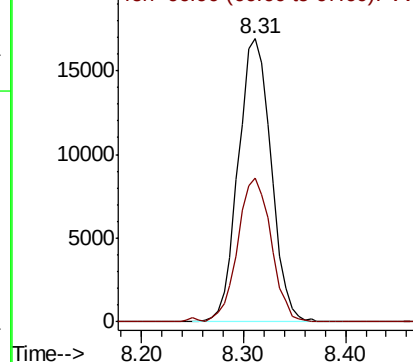
Ion Ratio Lower Upper

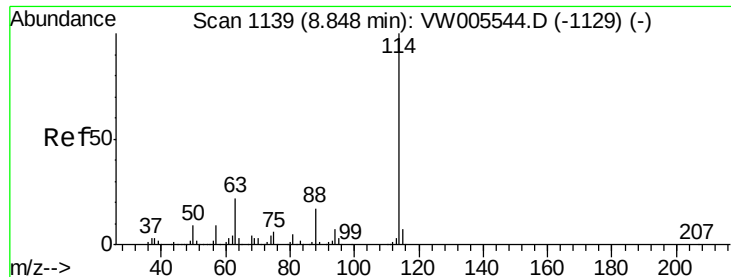
65 100

67 51.7 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

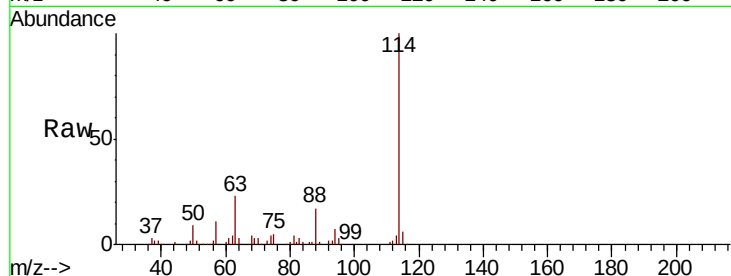
Tot Ion:114 Resp: 93411

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.0

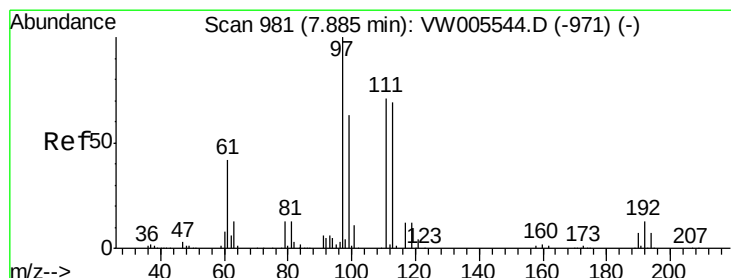
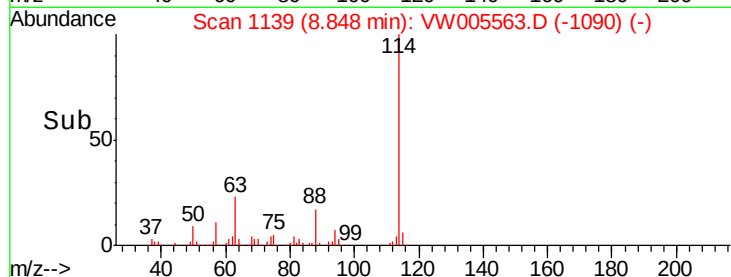
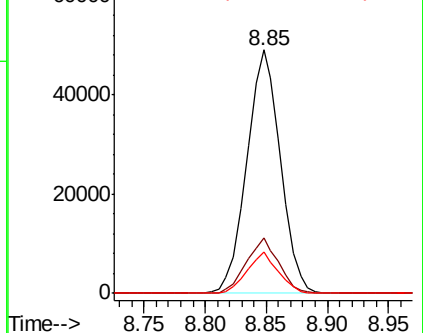
88 16.8 0.0 33.0



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: 45.640 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

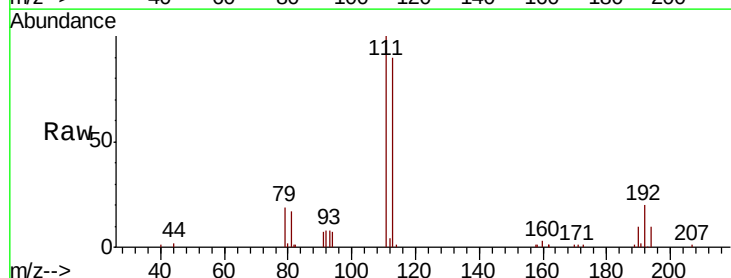
Tgt Ion:113 Resp: 26810

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

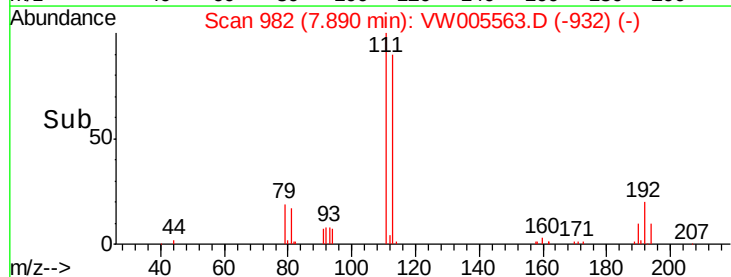
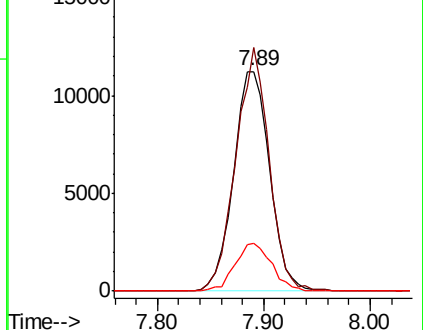
192 21.9 17.0 25.4

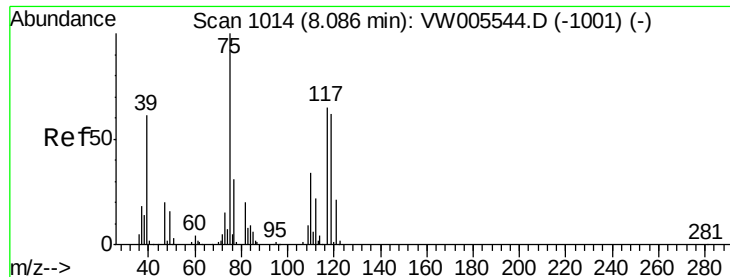


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

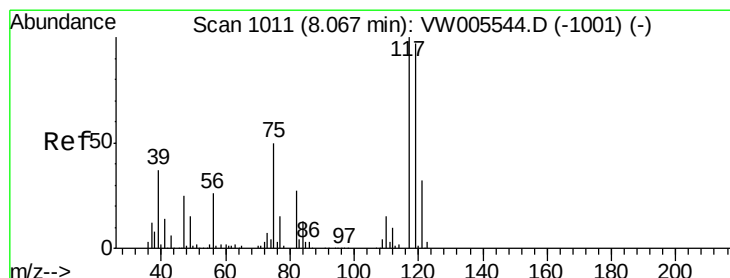
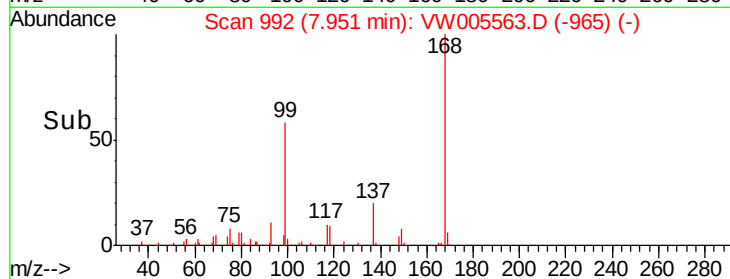
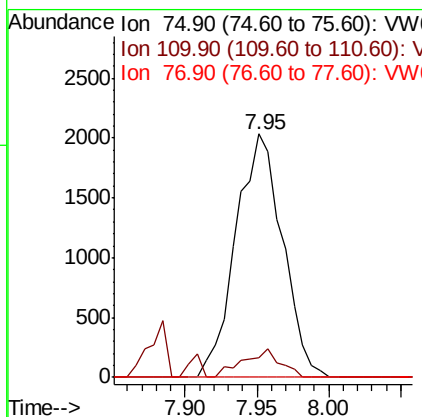
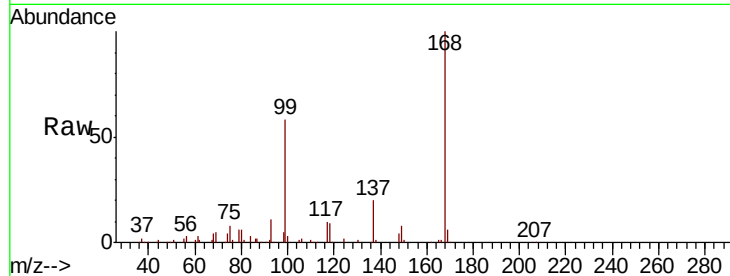




#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005563.D
 Acq: 21 Sep 2018 16:32

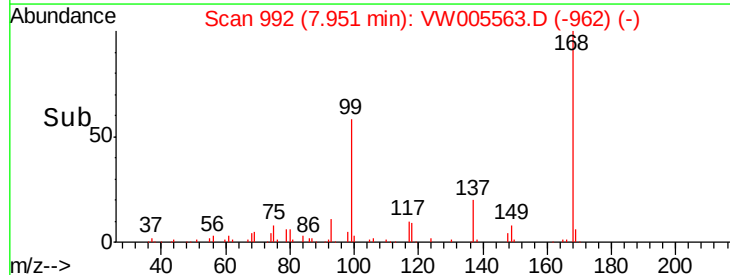
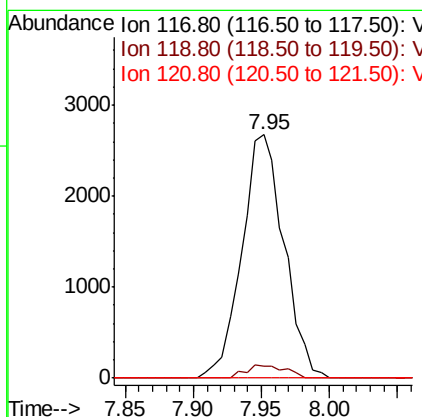
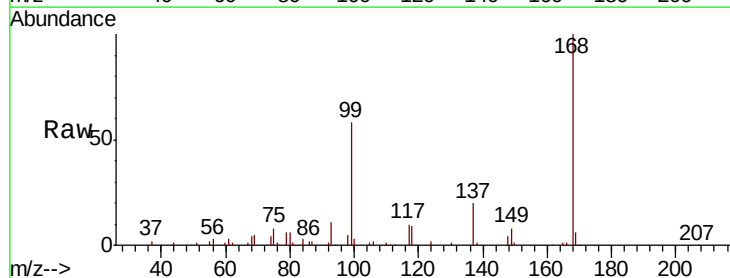
Instrument :
 MSVOA_W
 ClientSampled :

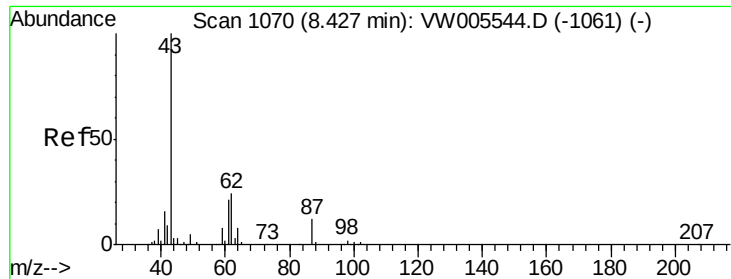
Tot Ion	75	Resp	4580
Ion Ratio	100	Lower	Upper
75	100		
110	9.3	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.737 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005563.D
 Acq: 21 Sep 2018 16:32

Tgt Ion	117	Resp	5781
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.7	77.6	116.4#
121	0.0	25.7	38.5#





#43

Isopropyl Acetate

Concen: 1.384 ug/l

RT: 8.26 min Scan# 1043

Delta R.T. -0.16 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

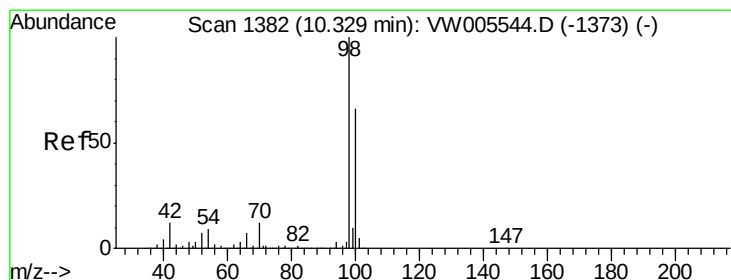
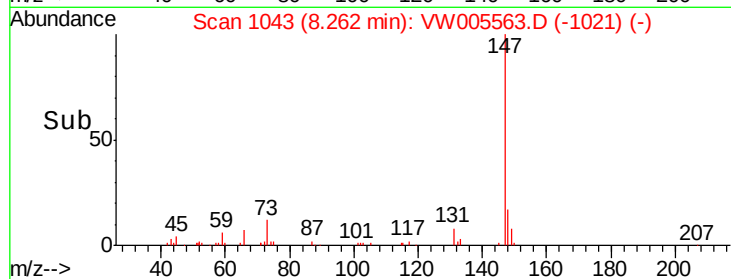
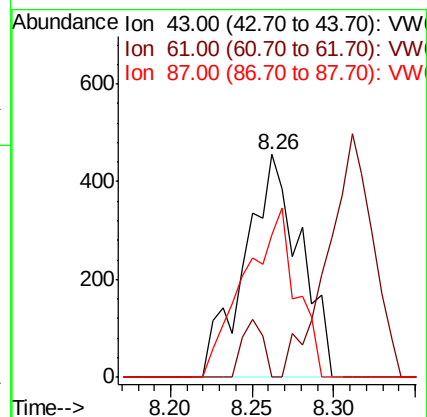
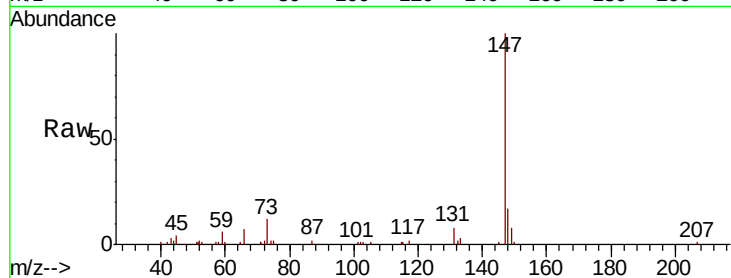
Tot Ion: 43 Resp: 1077

Ion Ratio Lower Upper

43 100

61 9.7 24.1 36.1#

87 70.8 9.8 14.8#



#50

Toluene-d8

Concen: 32.615 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005563.D

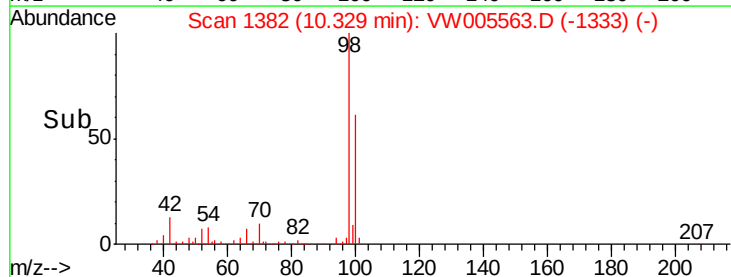
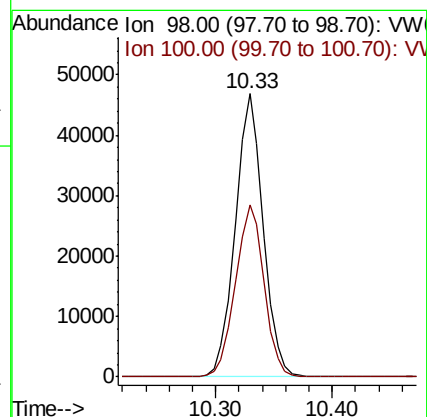
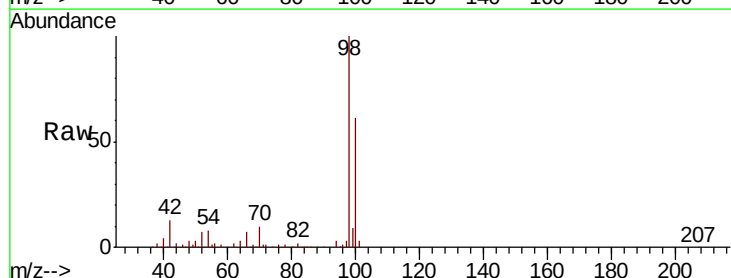
Acq: 21 Sep 2018 16:32

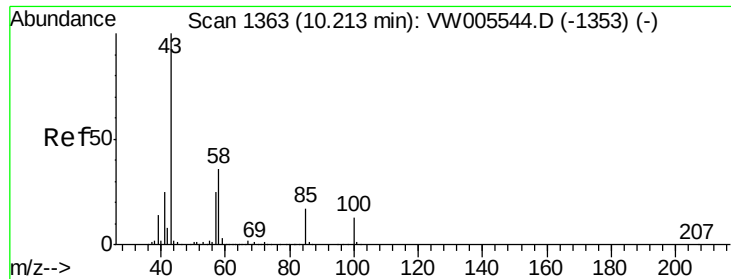
Tgt Ion: 98 Resp: 78011

Ion Ratio Lower Upper

98 100

100 62.2 51.6 77.4

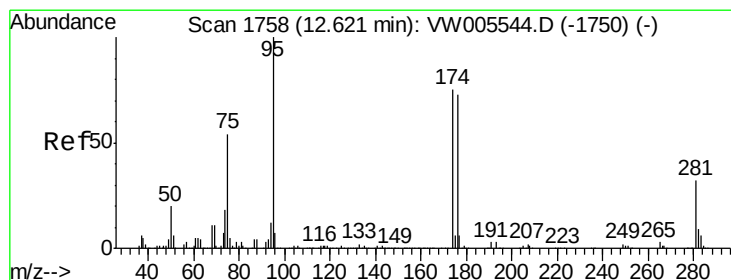
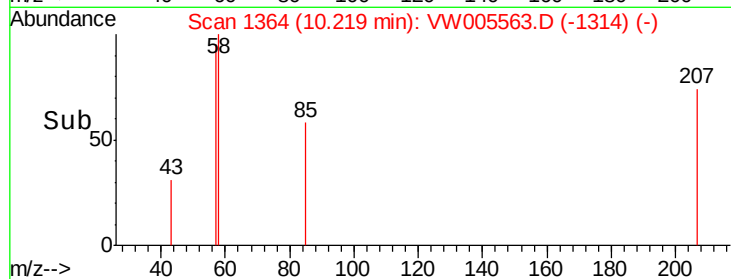
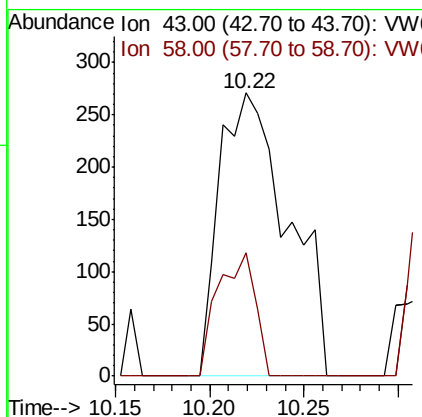
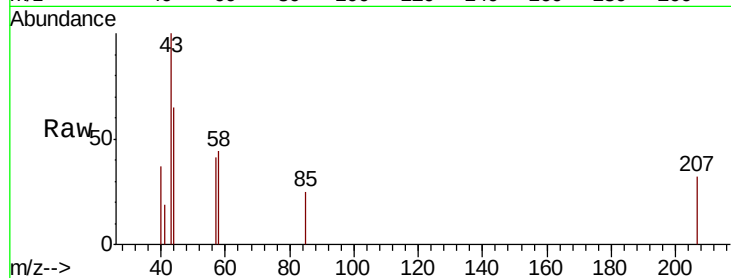




#51
 4-Methyl-2-Pentanone
 Concen: 1.738 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW005563.D
 Acq: 21 Sep 2018 16:32

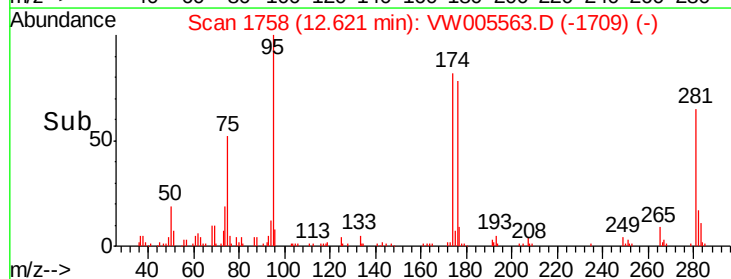
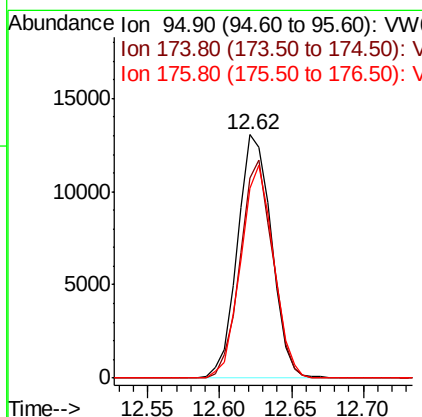
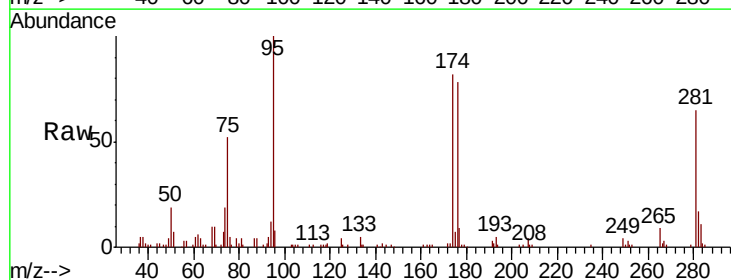
Instrument :
 MSVOA_W
 ClientSampleId :

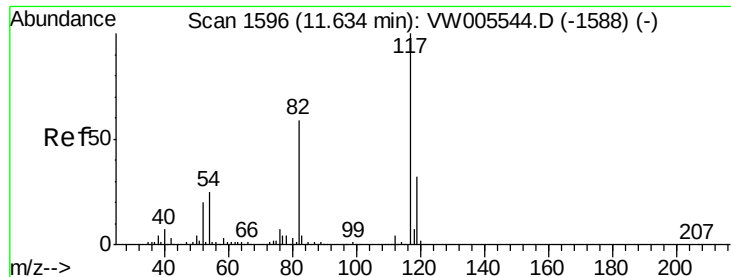
Tot Ion: 43 Resp: 681
 Ion Ratio Lower Upper
 43 100
 58 23.9 30.0 45.0#



#62
 4-Bromofluorobenzene
 Concen: 24.138 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005563.D
 Acq: 21 Sep 2018 16:32

Tgt Ion: 95 Resp: 21363
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 163.8
 176 84.5 0.0 158.0

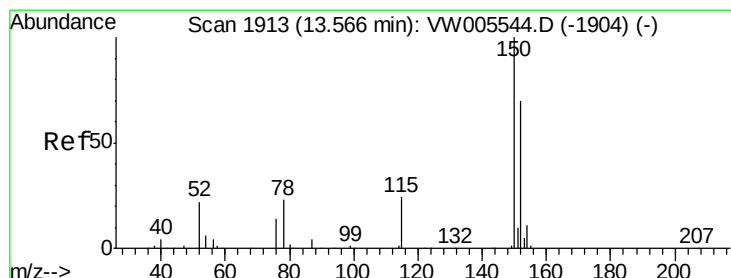
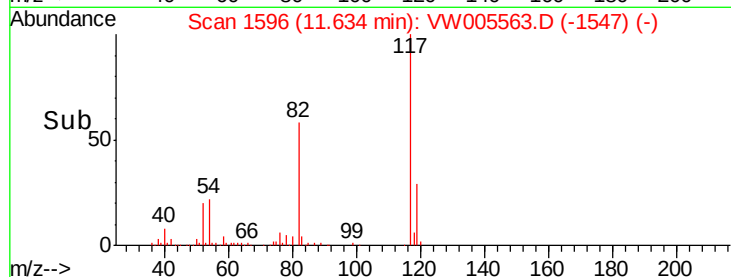
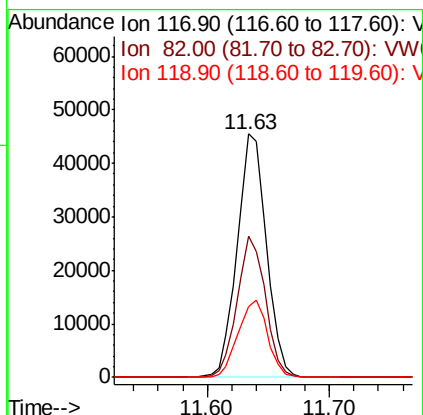
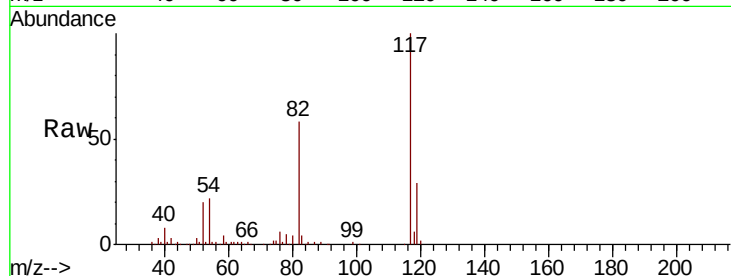




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005563.D
Acq: 21 Sep 2018 16:32

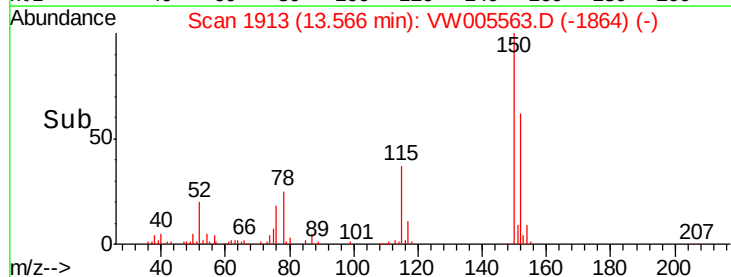
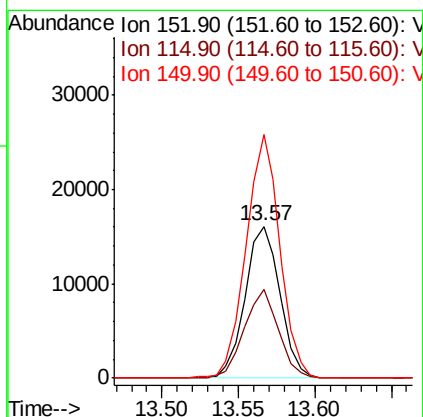
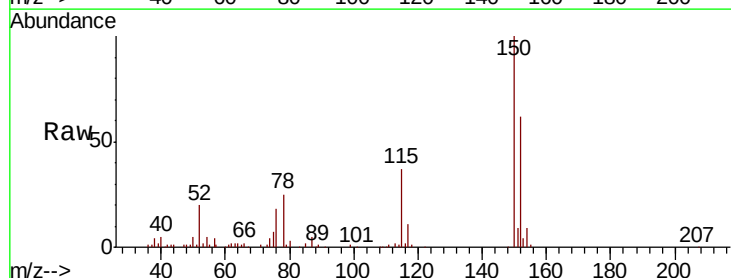
Instrument :
MSVOA_W
ClientSampled :

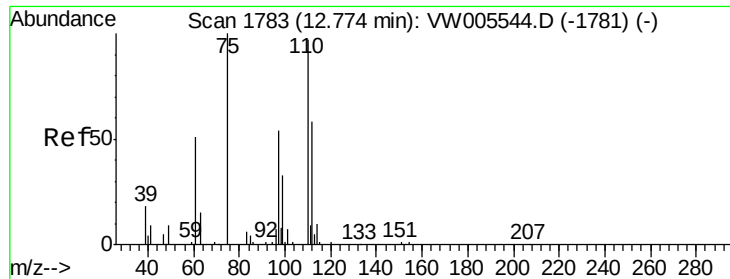
Tot Ion:117 Resp: 75228
Ion Ratio Lower Upper
117 100
82 57.8 46.9 70.3
119 29.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005563.D
Acq: 21 Sep 2018 16:32

Tgt Ion:152 Resp: 25510
Ion Ratio Lower Upper
152 100
115 56.9 30.0 90.0
150 155.1 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 54.554 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_W

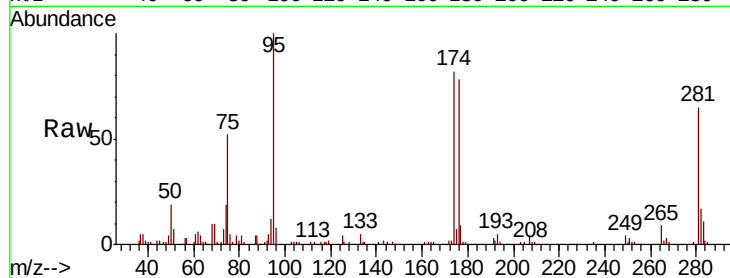
ClientSampleId :

Tot Ion: 75 Resp: 11863

Ion Ratio Lower Upper

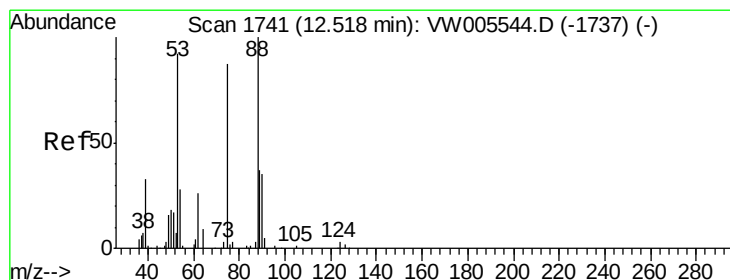
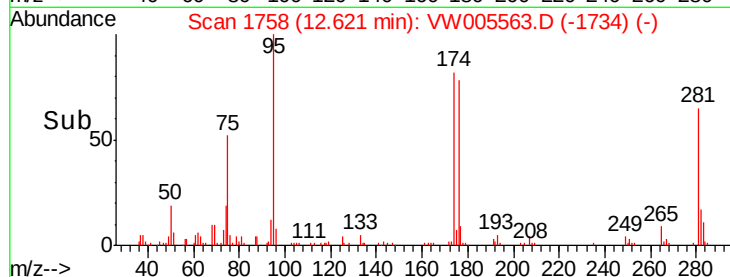
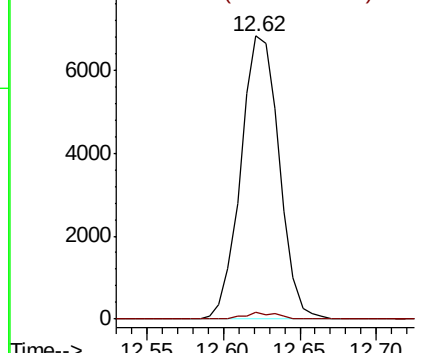
75 100

77 1.9 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: 122.871 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

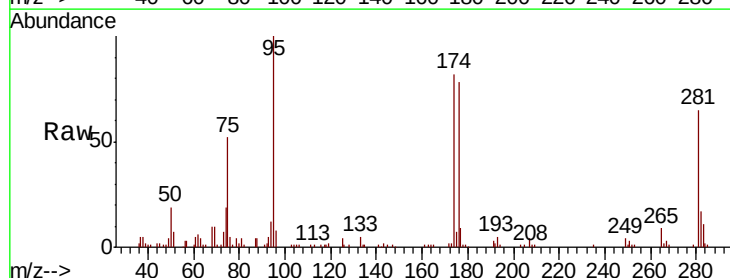
Tgt Ion: 75 Resp: 11863

Ion Ratio Lower Upper

75 100

53 0.0 85.8 128.6#

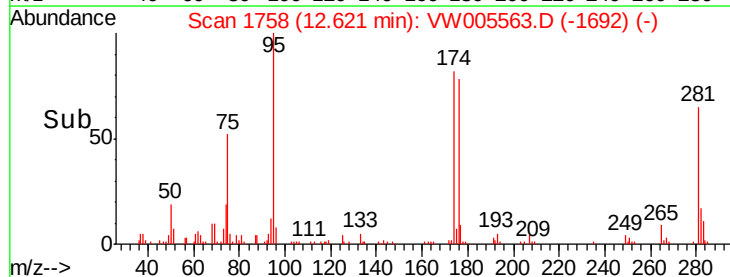
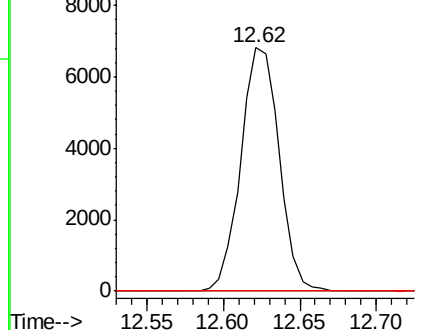
89 0.0 37.3 55.9#

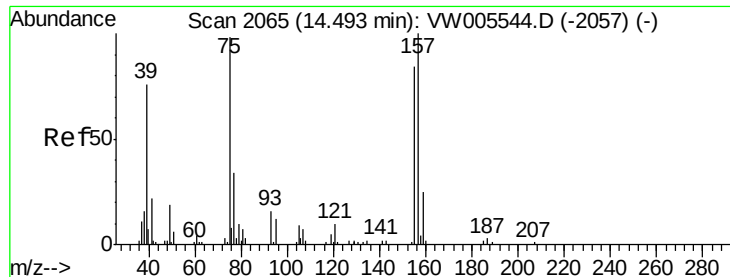


Abundance Ion 74.90 (74.60 to 75.60): VW

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: 1.947 ug/l

RT: 14.35 min Scan# 2041

Delta R.T. -0.15 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

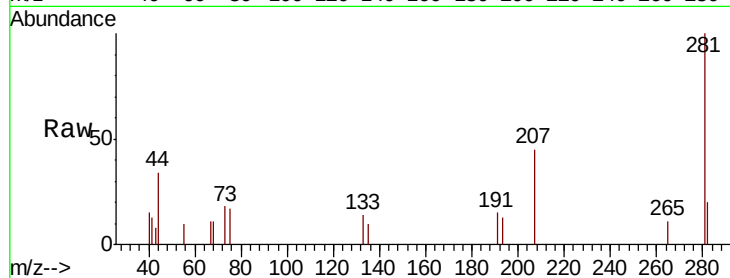
Tot Ion: 75 Resp: 109

Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.5#

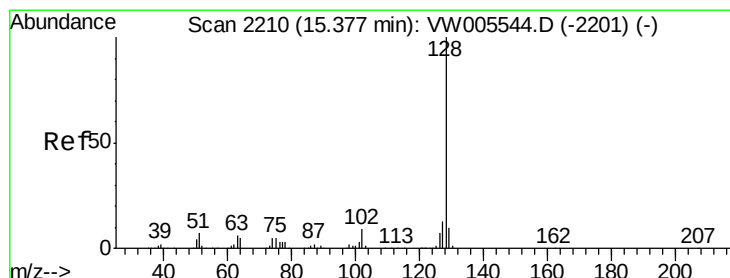
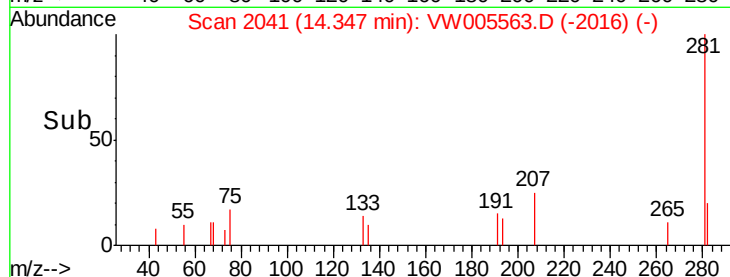
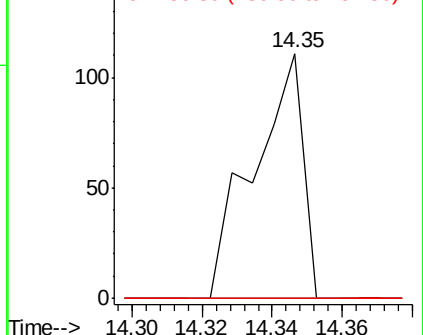
157 0.0 50.8 152.4#



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: 1.925 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005563.D

Acq: 21 Sep 2018 16:32

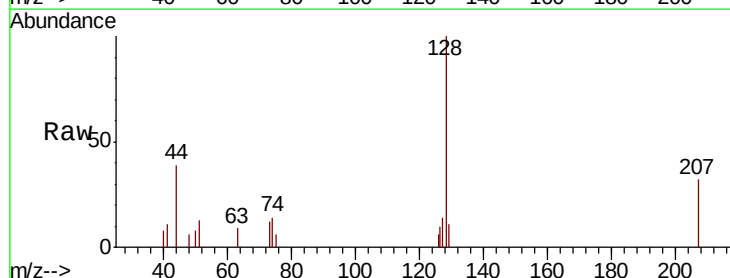
Tgt Ion: 128 Resp: 1729

Ion Ratio Lower Upper

128 100

127 15.0 10.9 16.3

129 6.8 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

