

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
 Data File : VW005506.D
 Acq On : 19 Sep 2018 04:56
 Operator : SY/AP
 Sample : J4967-01RE
 Misc : 4.71G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-UST-091718-01RE

Quant Time: Sep 19 06:04:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	228917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	358412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	309672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	109438	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	115394	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	7.89	113	92630	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
50) Toluene-d8	10.33	98	339669	36.91	ug/l	0.00
Spiked Amount			Recovery	=	73.82%	
62) 4-Bromofluorobenzene	12.63	95	96084	28.47	ug/l	0.00
Spiked Amount			Recovery	=	56.94%	

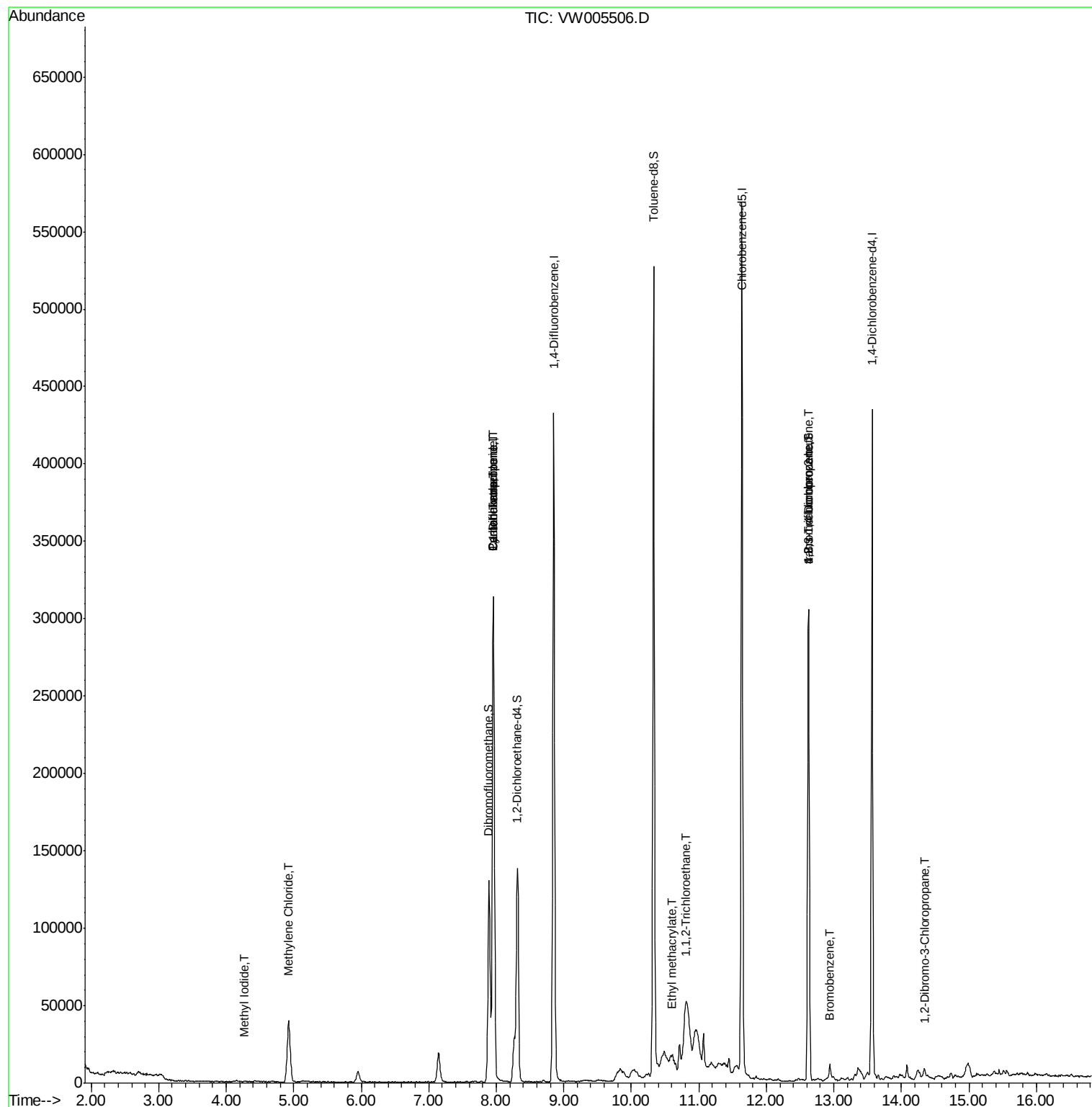
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	282	Below Cal		80
5) Bromomethane	2.79	94	498	Below Cal	#	22
10) Methyl Iodide	4.28	142	450	4.217	ug/l #	56
11) Tert butyl alcohol	5.21	59	258	Below Cal	#	71
13) Acrolein	3.96	56	22	Below Cal	#	12
16) Acetone	4.15	43	1468	Below Cal		93
20) Methylene Chloride	4.93	84	28419	7.134	ug/l	92
31) Cyclohexane	7.96	56	5460	1.440	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	18494	5.452	ug/l #	51
38) Carbon Tetrachloride	7.96	117	23461	6.638	ug/l #	16
55) 1,1,2-Trichloroethane	10.80	97	3867	2.253	ug/l #	15
56) Ethyl methacrylate	10.60	69	13345	6.143	ug/l #	21
76) 1,2,3-Trichloropropane	12.63	75	49085	54.533	ug/l #	100
77) Bromobenzene	12.93	156	3781	2.083	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	49085	141.461	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.35	75	290	1.348	ug/l	62

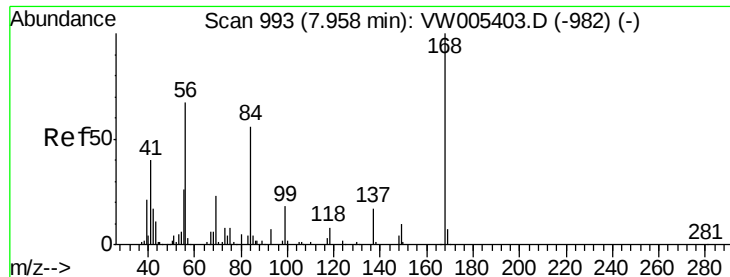
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

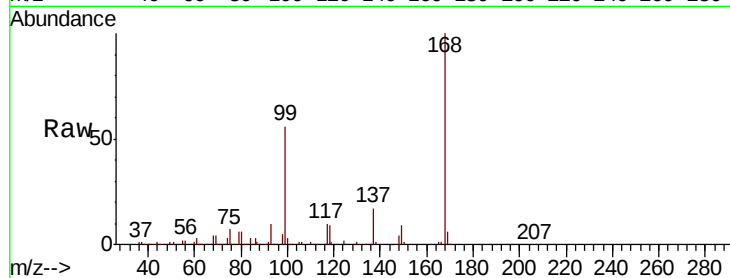
SUP-UST-091718-01RE

Tgt Ion:168 Resp: 228917

Ion Ratio Lower Upper

168 100

99 55.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

120000

100000

80000

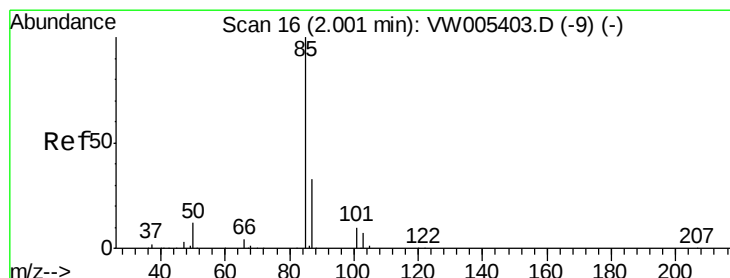
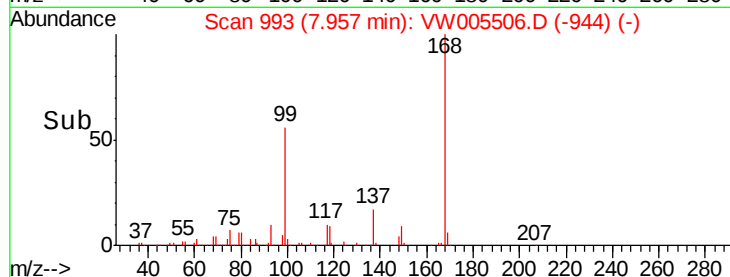
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW005506.D

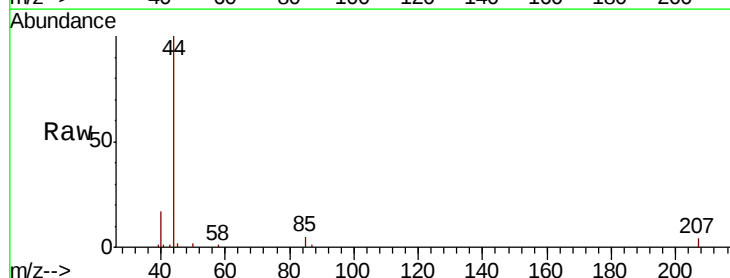
Acq: 19 Sep 2018 04:56

Tgt Ion: 85 Resp: 282

Ion Ratio Lower Upper

85 100

87 21.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1.99

300

250

200

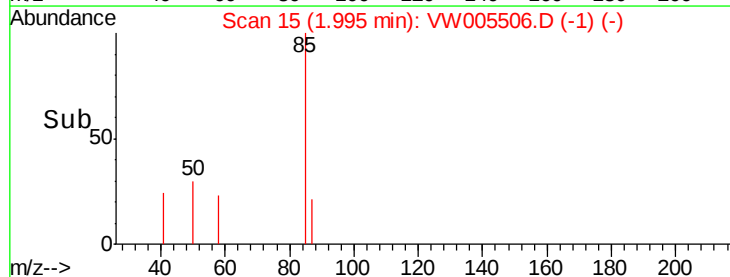
150

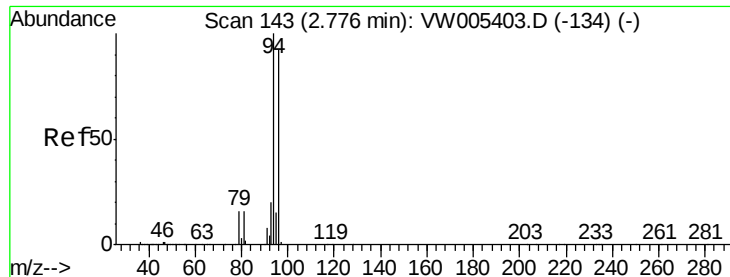
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

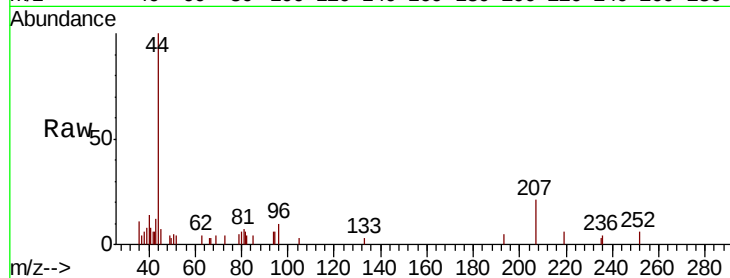
SUP-UST-091718-01RE

Tgt Ion: 94 Resp: 498

Ion Ratio Lower Upper

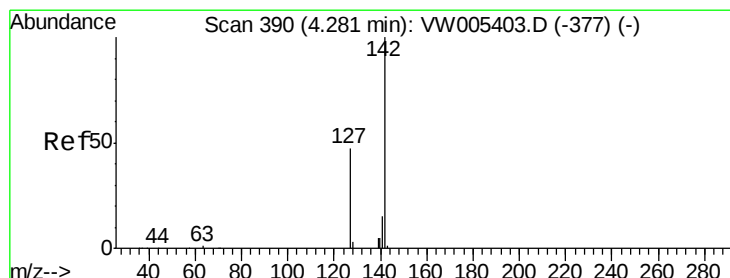
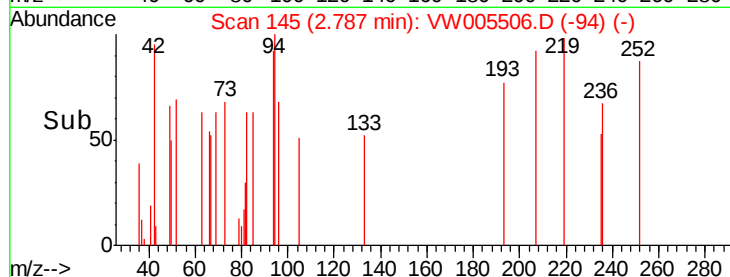
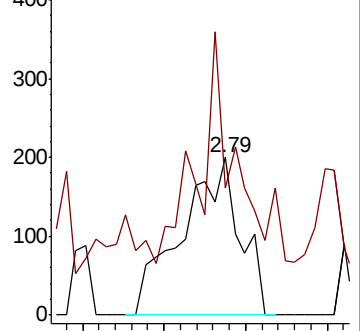
94 100

96 17.5 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#10

Methyl Iodide

Concen: 4.217 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

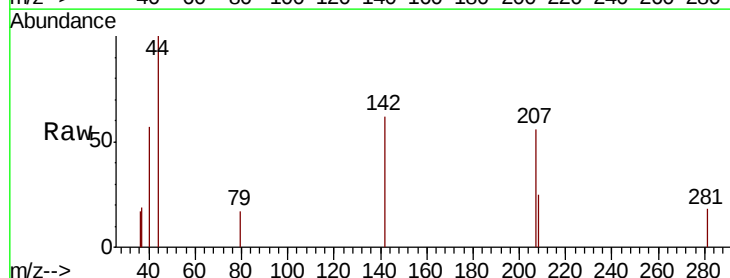
Tgt Ion: 142 Resp: 450

Ion Ratio Lower Upper

142 100

127 16.2 37.5 56.3#

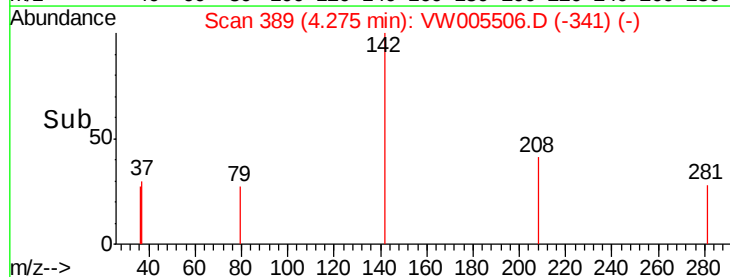
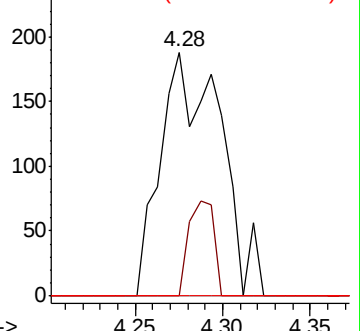
141 0.0 12.4 18.6#

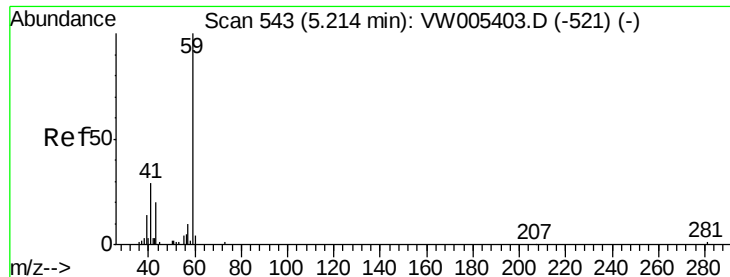


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

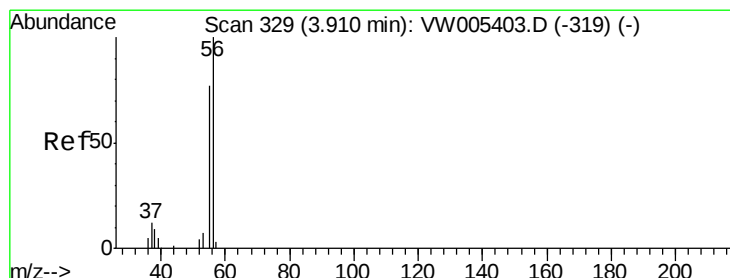
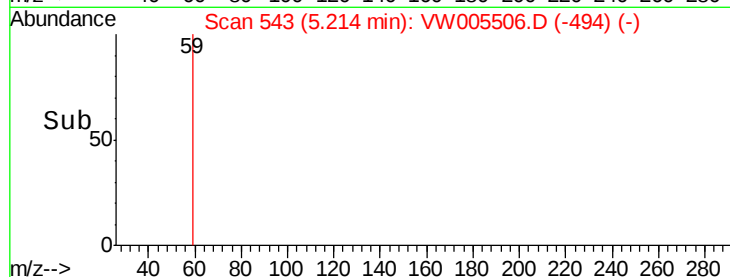
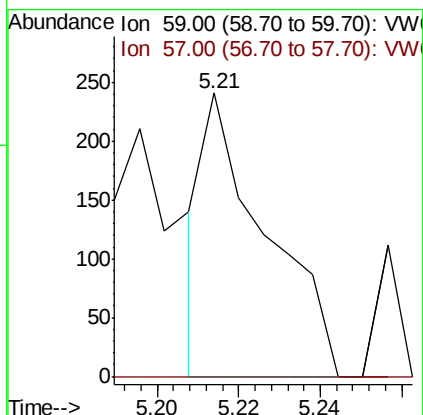
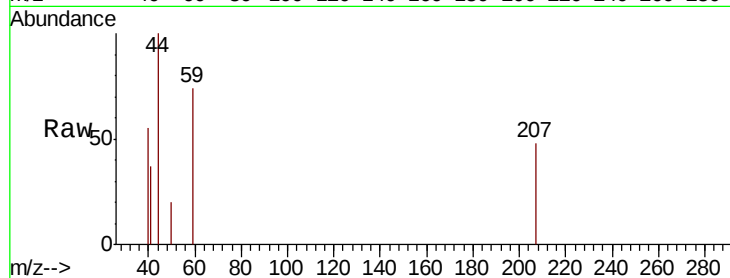




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 543
Delta R.T. -0.00 min
Lab File: VW005506.D
Acq: 19 Sep 2018 04:56

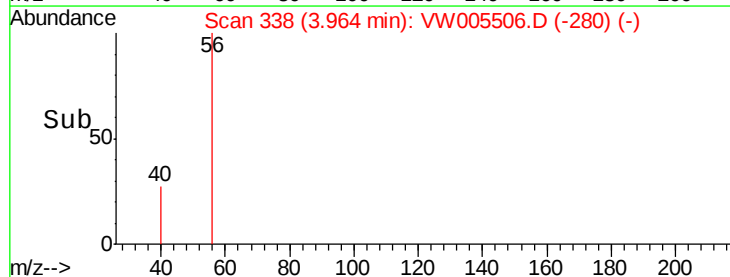
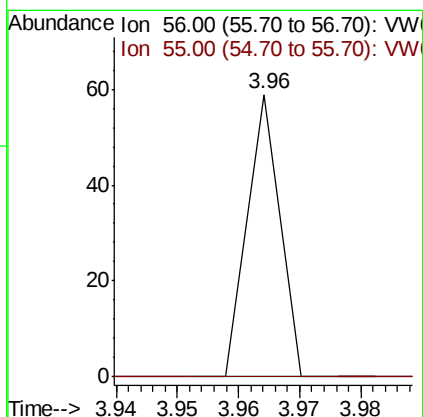
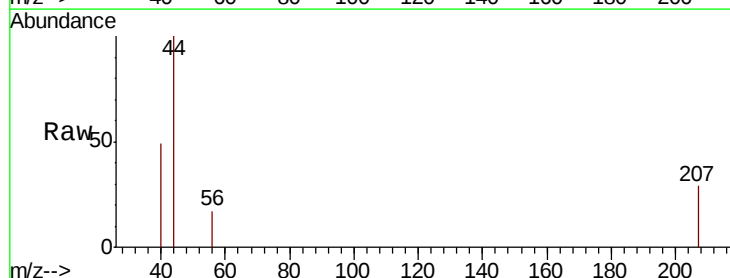
Instrument :
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SUP-UST-091718-01RE

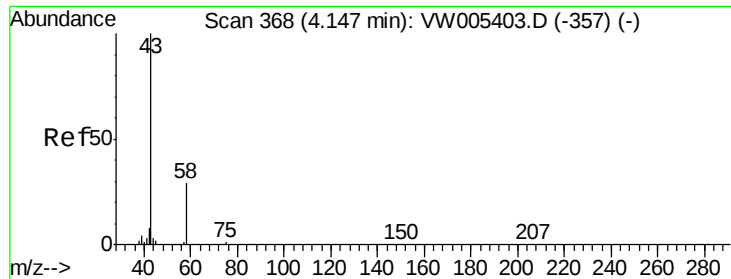
Tgt Ion: 59 Resp: 258
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: Below Cal
RT: 3.96 min Scan# 338
Delta R.T. 0.06 min
Lab File: VW005506.D
Acq: 19 Sep 2018 04:56

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 59.8 89.8#





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. -0.00 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

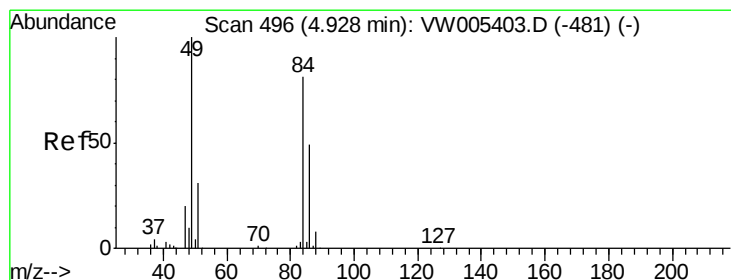
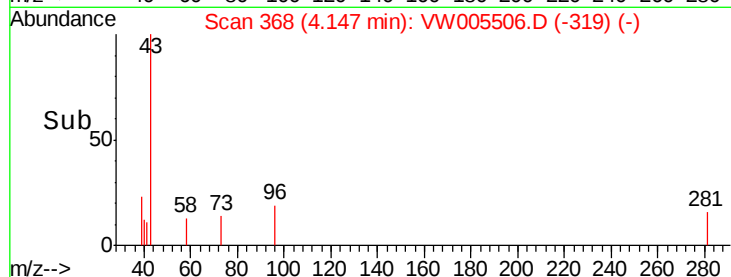
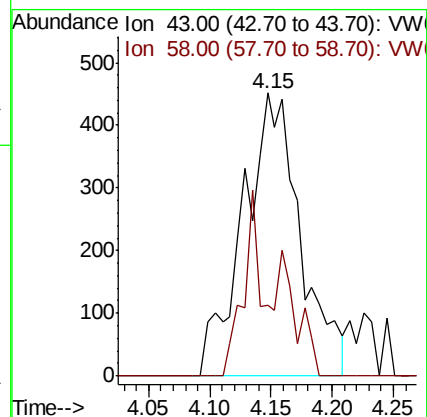
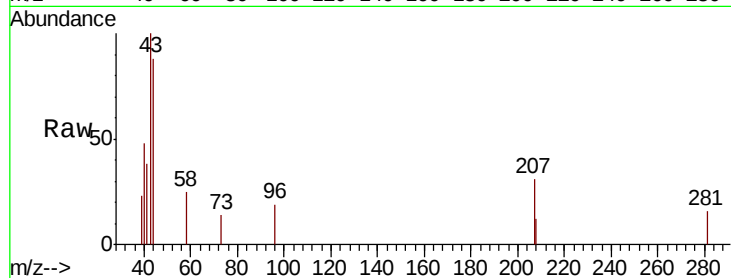
SUP-UST-091718-01RE

Tgt Ion: 43 Resp: 1468

Ion Ratio Lower Upper

43 100

58 24.8 22.8 34.2



#20

Methylene Chloride

Concen: 7.134 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

Tgt Ion: 84 Resp: 28419

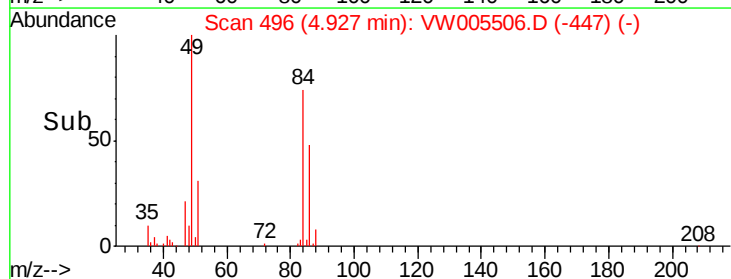
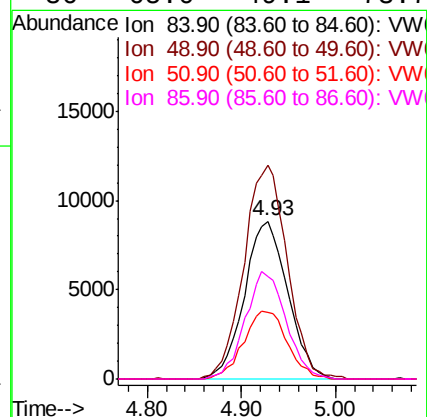
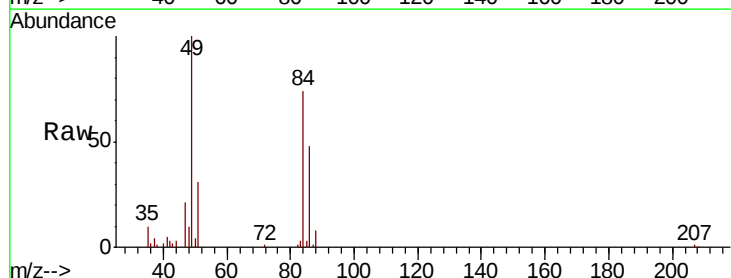
Ion Ratio Lower Upper

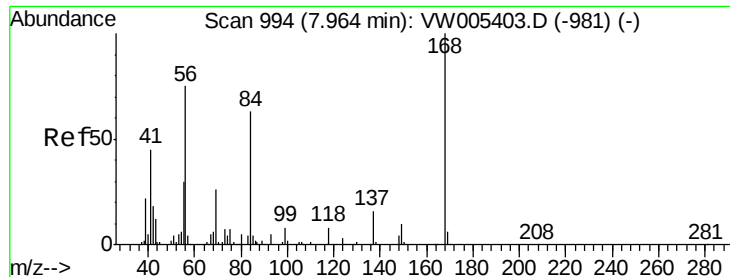
84 100

49 135.6 99.3 148.9

51 41.9 31.1 46.7

86 65.0 49.1 73.7

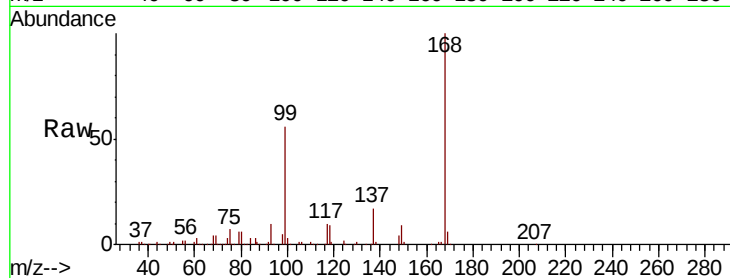




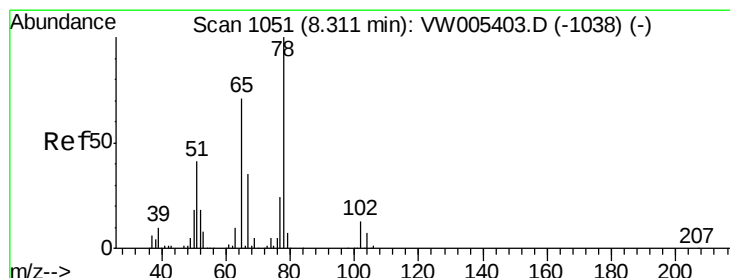
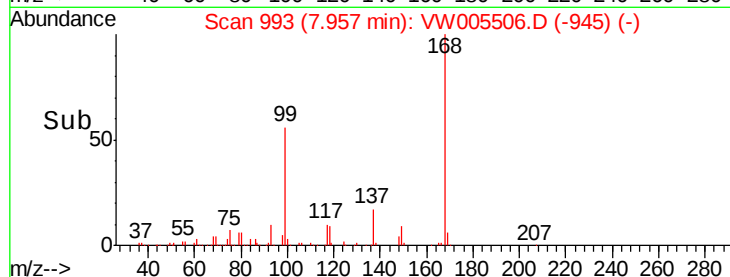
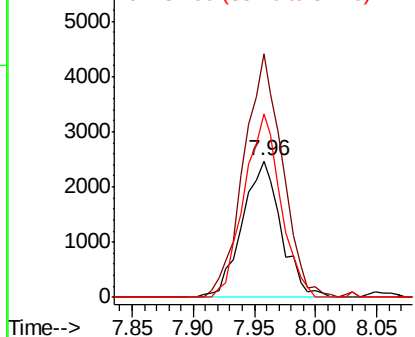
#31
Cyclohexane
Concen: 1.440 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005506.D
Acq: 19 Sep 2018 04:56

Instrument :
MSVOA_W
ClientSampleId :
SUP-UST-091718-01RE

Tgt Ion: 56 Resp: 5460
Ion Ratio Lower Upper
56 100
69 178.5 27.2 40.8#
84 134.7 66.7 100.1#

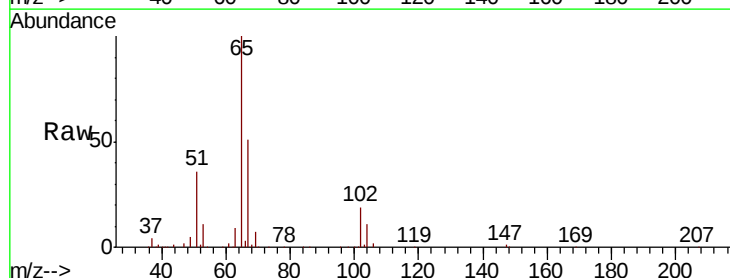


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

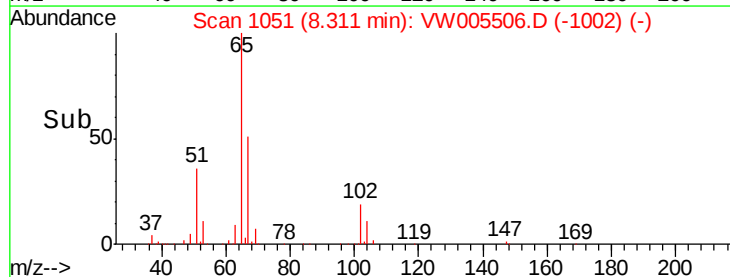
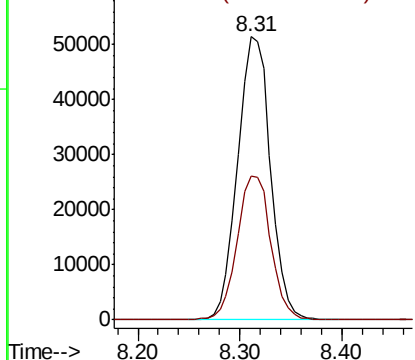


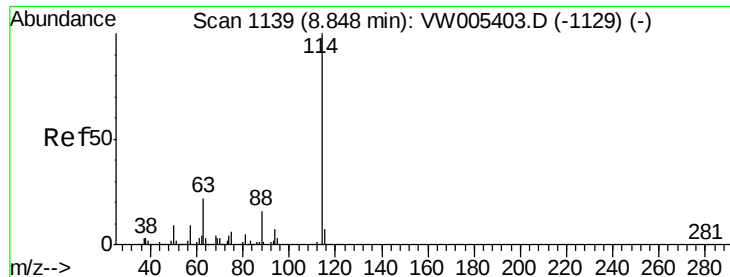
#33
1,2-Dichloroethane-d4
Concen: 48.563 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005506.D
Acq: 19 Sep 2018 04:56

Tgt Ion: 65 Resp: 115394
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.6



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

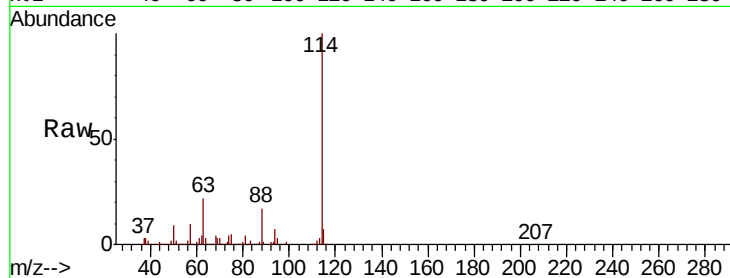




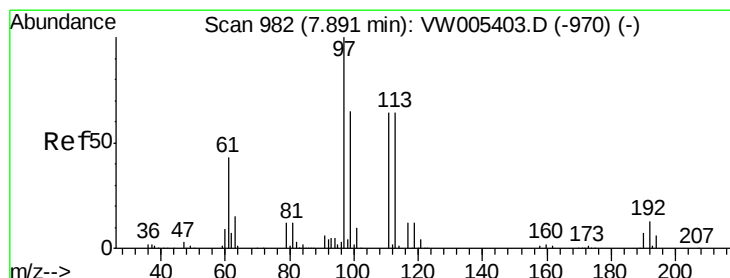
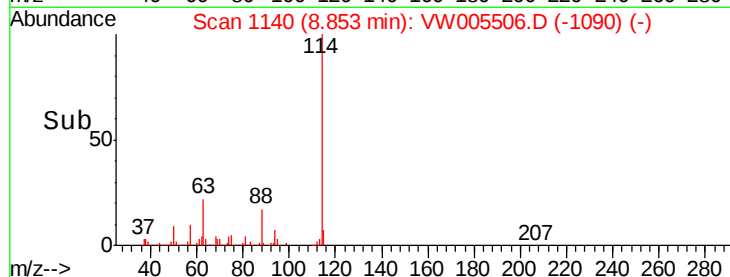
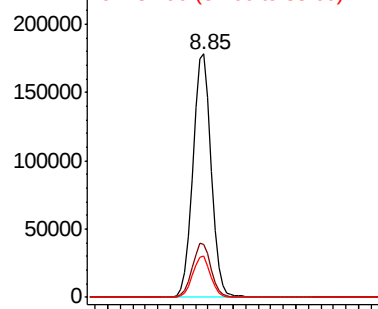
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005506.D
 Acq: 19 Sep 2018 04:56

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-UST-091718-01RE

Tgt Ion:114 Resp: 358412
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 17.0 0.0 31.8

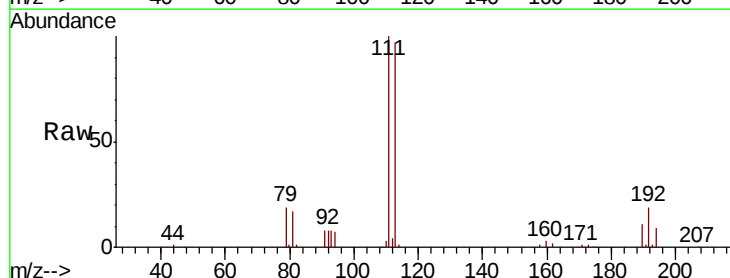


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

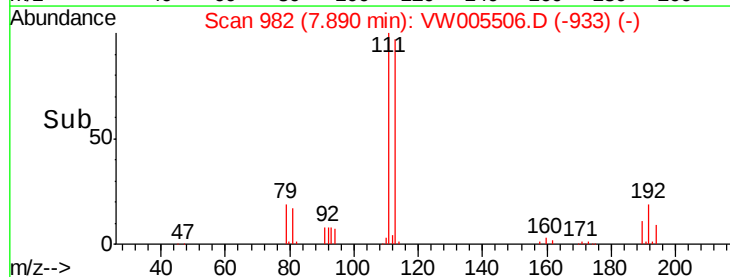
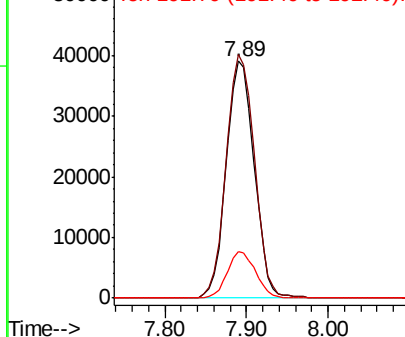


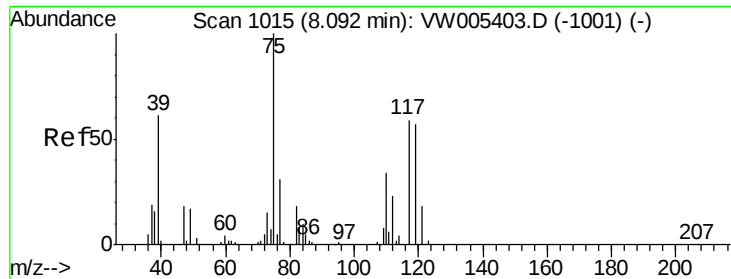
#35
 Dibromofluoromethane
 Concen: 46.095 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005506.D
 Acq: 19 Sep 2018 04:56

Tgt Ion:113 Resp: 92630
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.3 123.5
 192 19.9 16.5 24.7



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

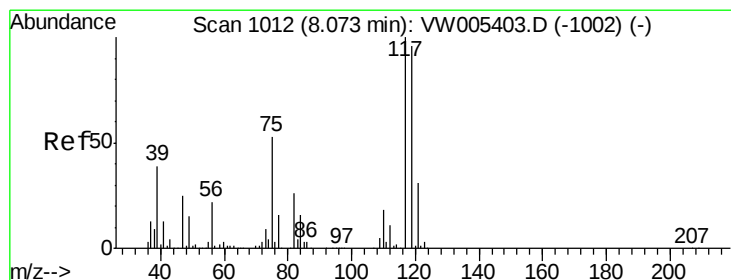
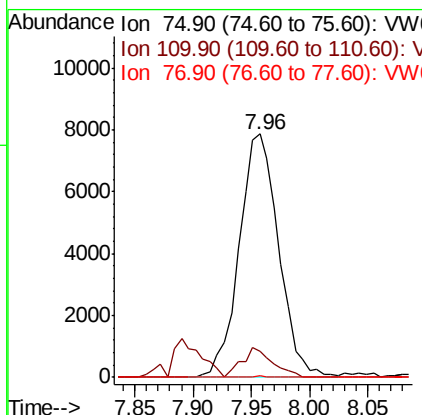
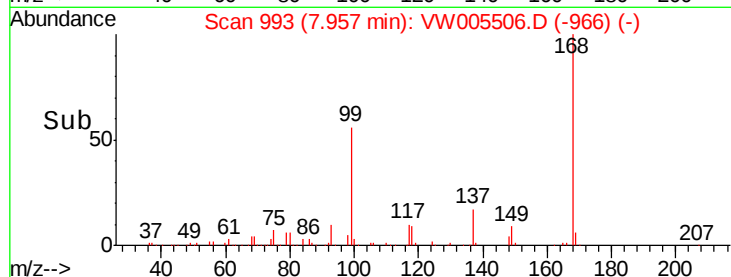
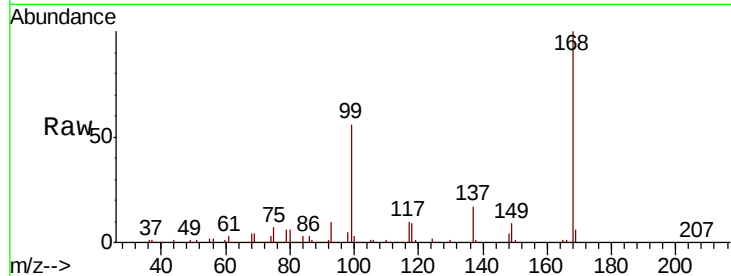




#36
 1,1-Dichloropropene
 Concen: 5.452 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005506.D
 Acq: 19 Sep 2018 04:56

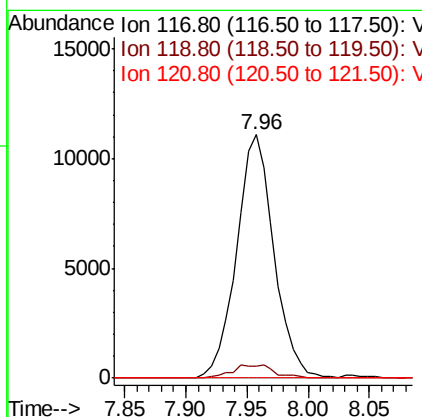
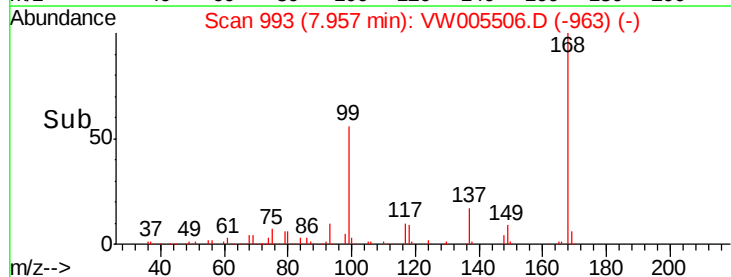
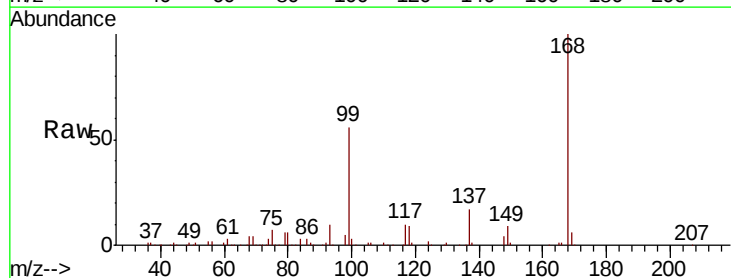
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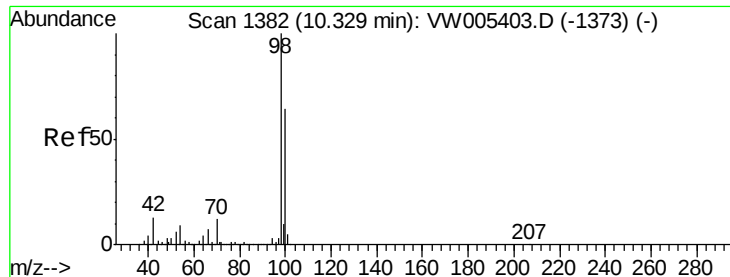
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.8	50.4#
77	0.1	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.638 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005506.D
 Acq: 19 Sep 2018 04:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.8	115.2#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 36.909 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

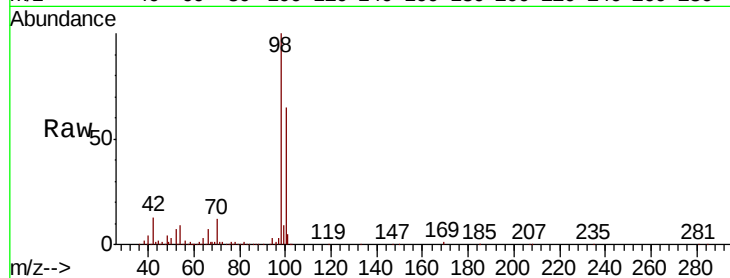
SUP-UST-091718-01RE

Tgt Ion: 98 Resp: 339669

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

150000

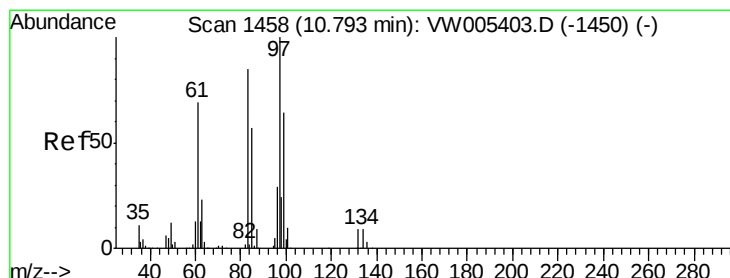
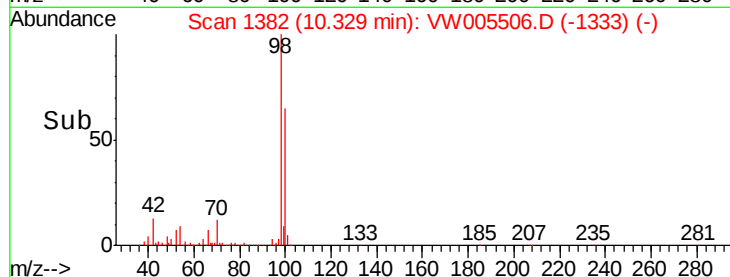
100000

50000

0

10.20 10.30 10.40 10.50

Time-->



#55

1,1,2-Trichloroethane

Concen: 2.253 ug/l

RT: 10.80 min Scan# 1460

Delta R.T. 0.01 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

Tgt Ion: 97 Resp: 3867

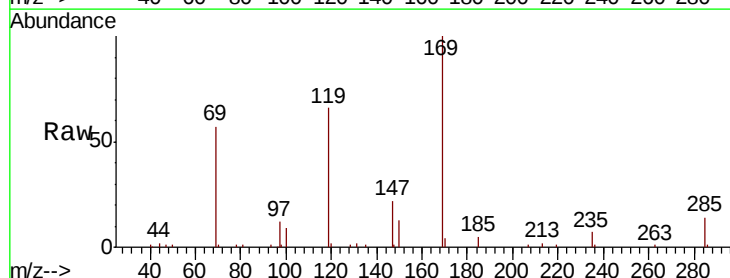
Ion Ratio Lower Upper

97 100

83 0.0 67.8 101.8#

85 0.0 45.4 68.0#

99 0.0 51.5 77.3#



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

3000

2500

2000

1500

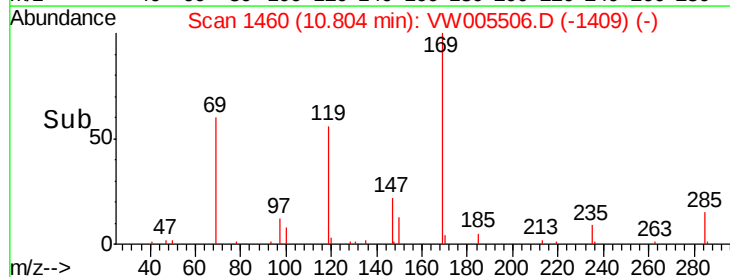
1000

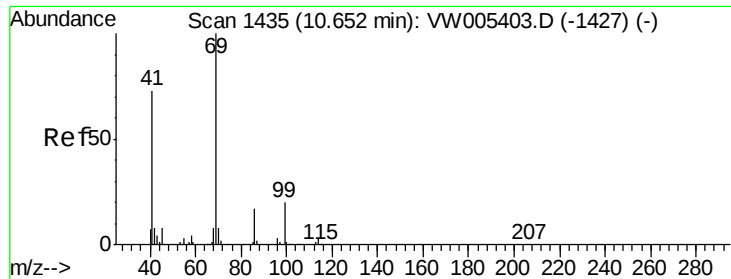
500

0

10.70 10.75 10.80

Time-->





#56

Ethyl methacrylate

Concen: 6.143 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.05 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

SUP-UST-091718-01RE

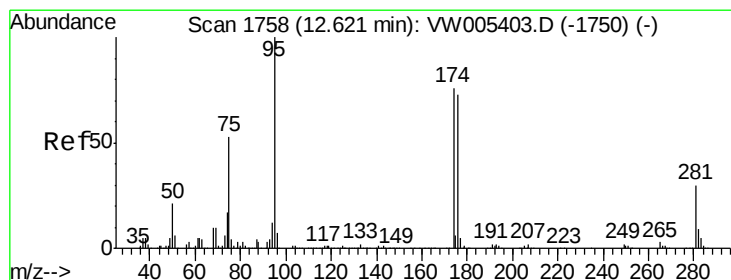
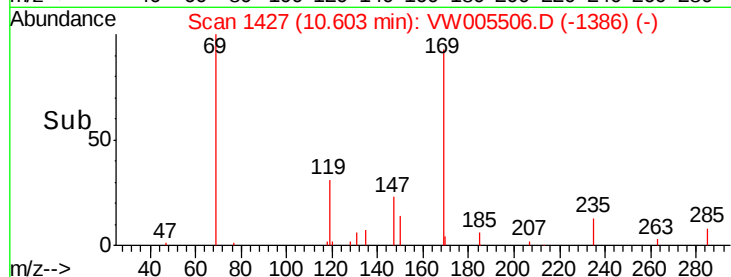
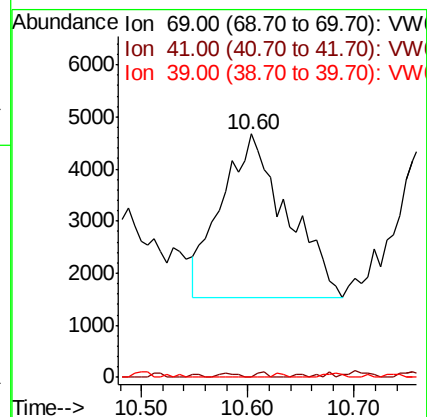
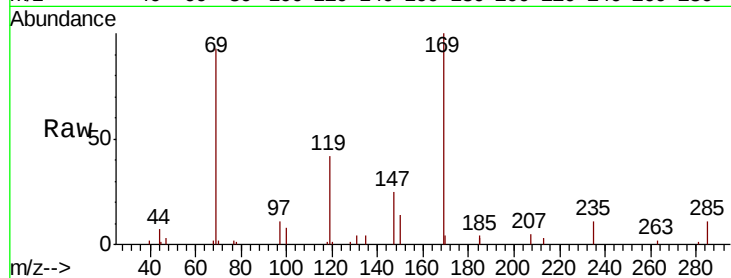
Tgt Ion: 69 Resp: 13345

Ion Ratio Lower Upper

69 100

41 0.5 59.3 88.9#

39 0.0 30.2 45.4#



#62

4-Bromofluorobenzene

Concen: 28.474 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

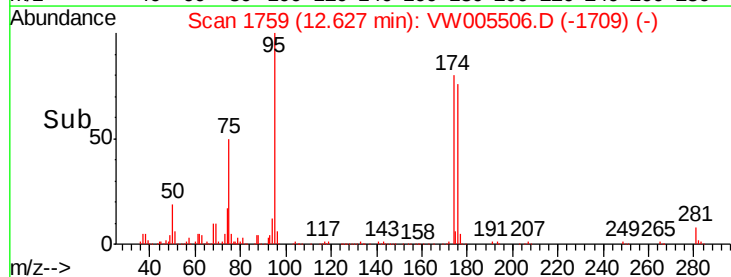
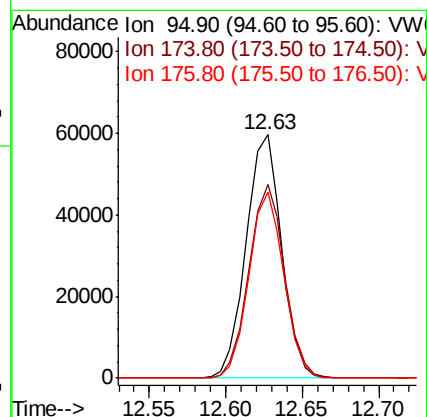
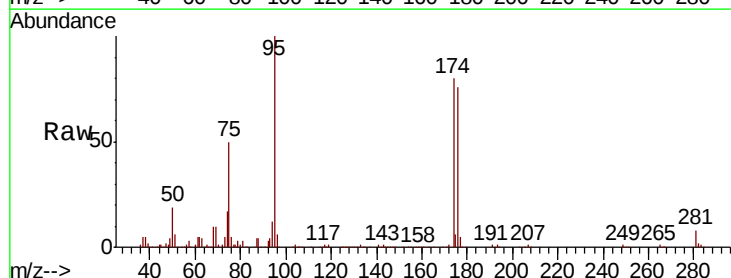
Tgt Ion: 95 Resp: 96084

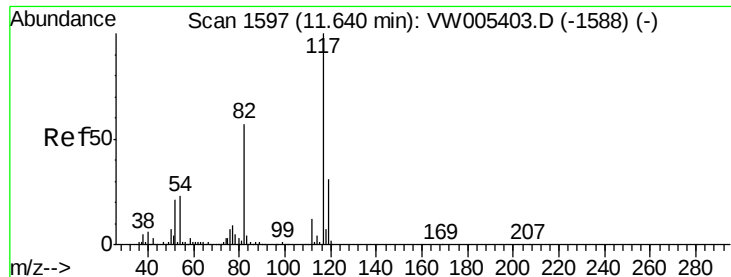
Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.2

176 75.2 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

SUP-UST-091718-01RE

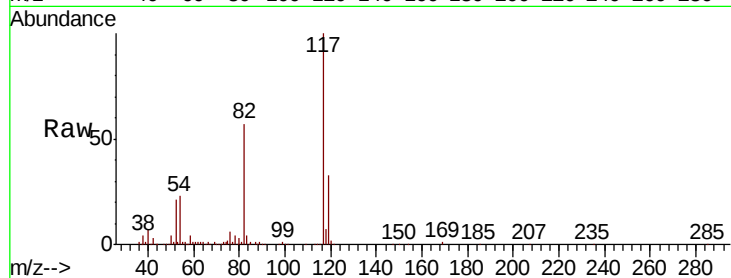
Tgt Ion:117 Resp: 309672

Ion Ratio Lower Upper

117 100

82 56.7 45.9 68.9

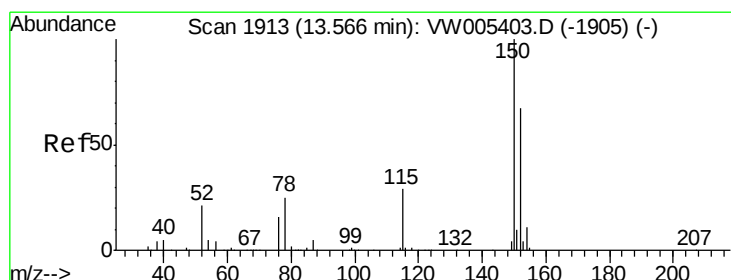
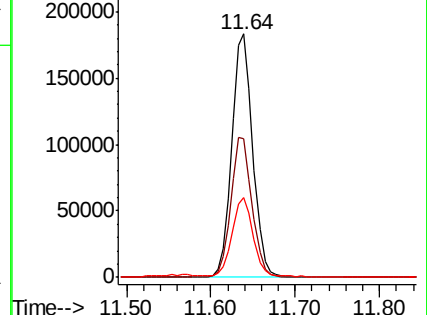
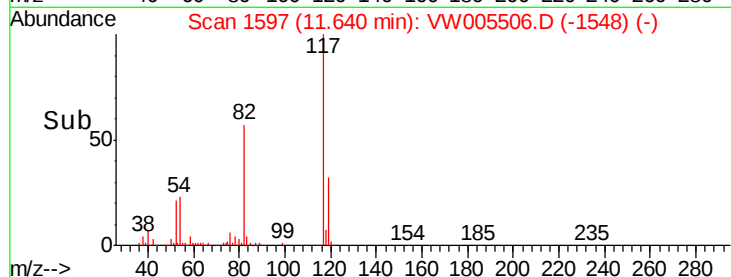
119 32.7 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005506.D

Acq: 19 Sep 2018 04:56

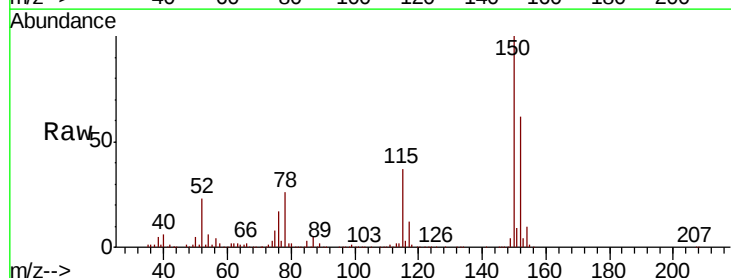
Tgt Ion:152 Resp: 109438

Ion Ratio Lower Upper

152 100

115 58.9 29.5 88.5

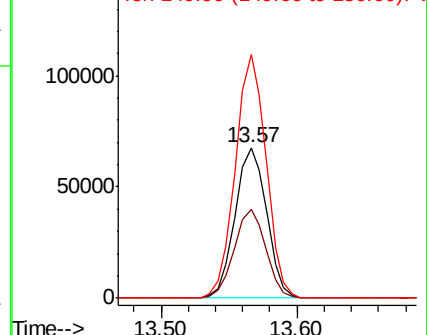
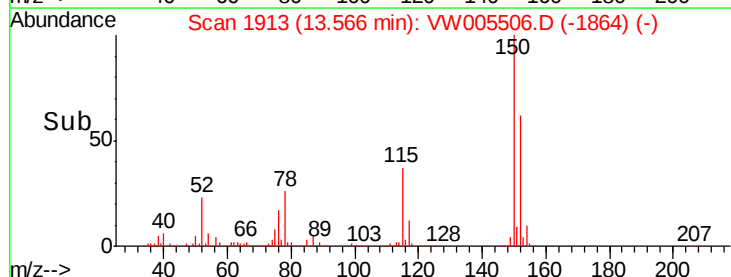
150 157.2 0.0 345.6

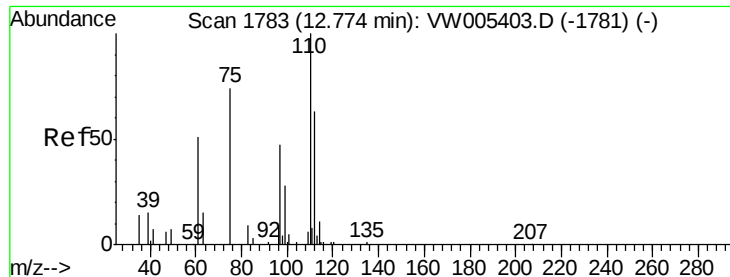


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

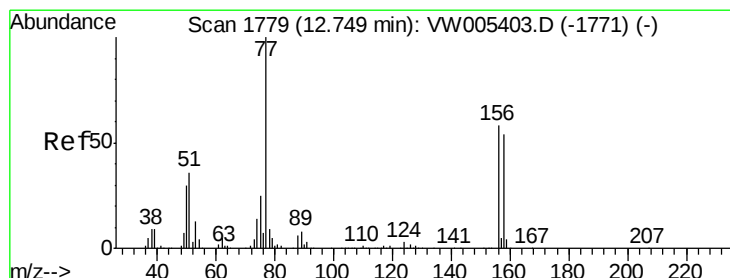
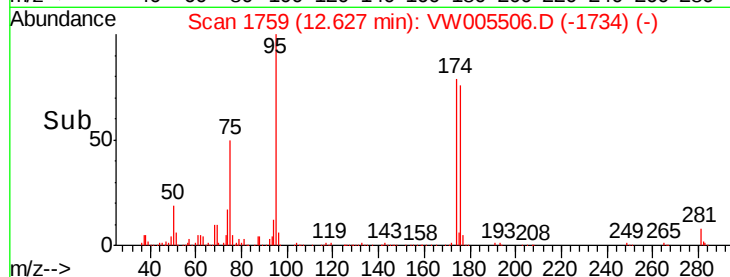
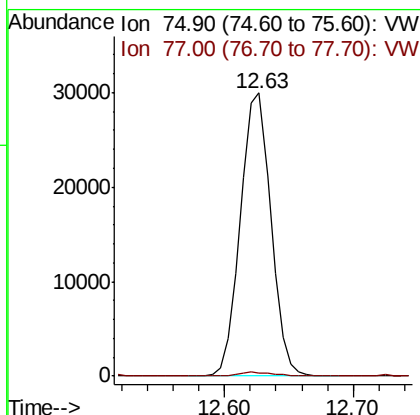
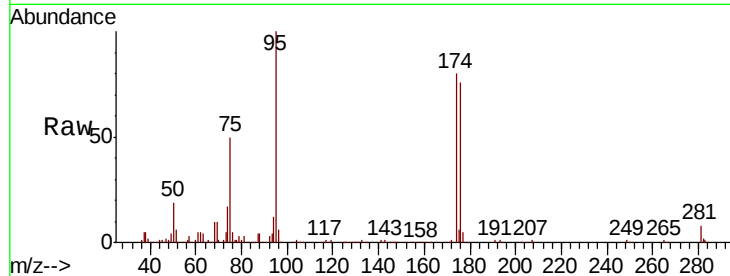




#76
 1,2,3-Trichloropropane
 Concen: 54.533 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.15 min
 Lab File: VW005506.D
 Acq: 19 Sep 2018 04:56

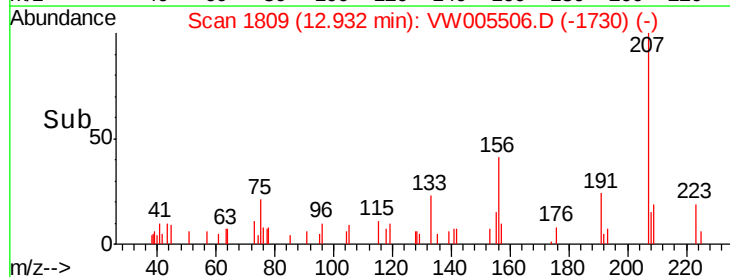
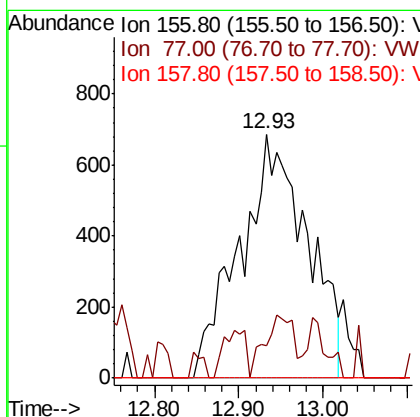
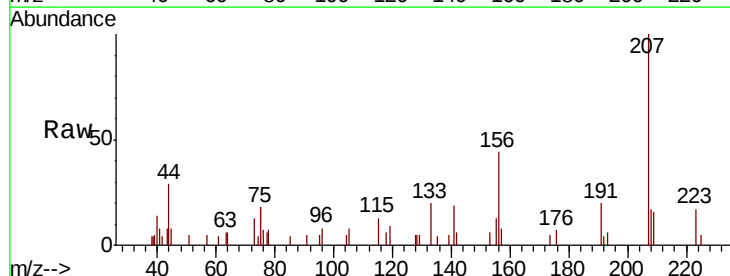
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-UST-091718-01RE

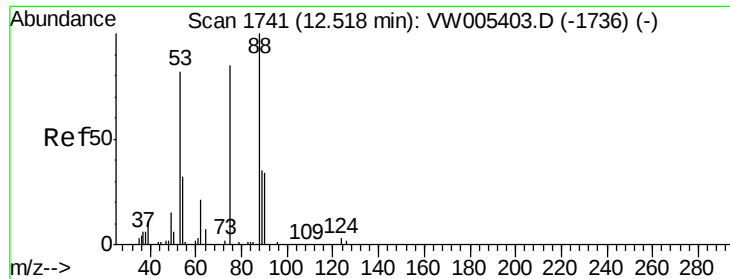
Tgt Ion: 75 Resp: 49085
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#77
 Bromobenzene
 Concen: 2.083 ug/l
 RT: 12.93 min Scan# 1809
 Delta R.T. 0.18 min
 Lab File: VW005506.D
 Acq: 19 Sep 2018 04:56

Tgt Ion: 156 Resp: 3781
 Ion Ratio Lower Upper
 156 100
 77 11.4 92.8 278.3#
 158 0.0 48.2 144.6#

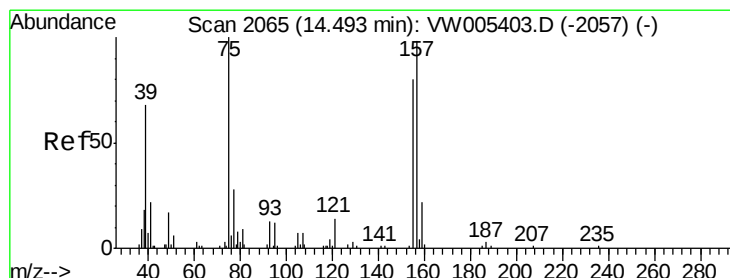
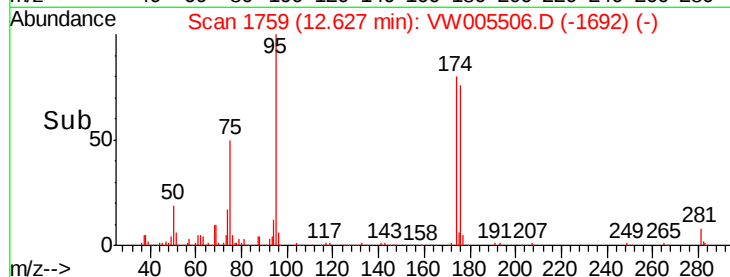
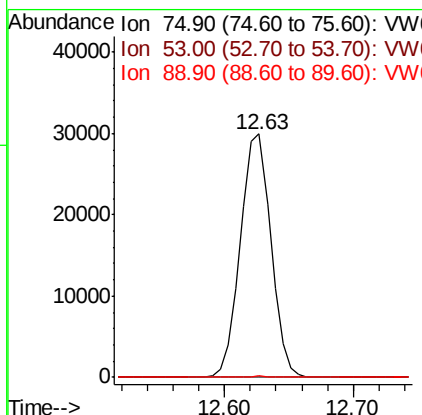
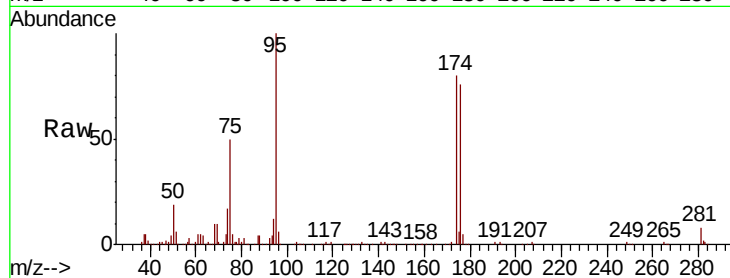




#81
trans-1,4-Dichloro-2-butene
Concen: 141.461 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.11 min
Lab File: VW005506.D
Acq: 19 Sep 2018 04:56

Instrument :
MSVOA_W
ClientSampleId :
SUP-UST-091718-01RE

Tgt Ion: 75 Resp: 49085
Ion Ratio Lower Upper
75 100
53 0.1 83.2 124.8#
89 0.1 36.6 54.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.348 ug/l
RT: 14.35 min Scan# 2041
Delta R.T. -0.15 min
Lab File: VW005506.D
Acq: 19 Sep 2018 04:56

Tgt Ion: 75 Resp: 290
Ion Ratio Lower Upper
75 100
155 56.6 39.0 117.0
157 51.0 49.9 149.6

