

Data File : VW005408.D
Acq On : 15 Sep 2018 03:04
Operator : SY/AP
Sample : VW0914SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBL01

Quant Time: Sep 15 03:42:22 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	202022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	315064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	306211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	151019	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	115110	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
35) Dibromofluoromethane	7.89	113	93474	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.33	98	413558	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.63	95	146353	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	

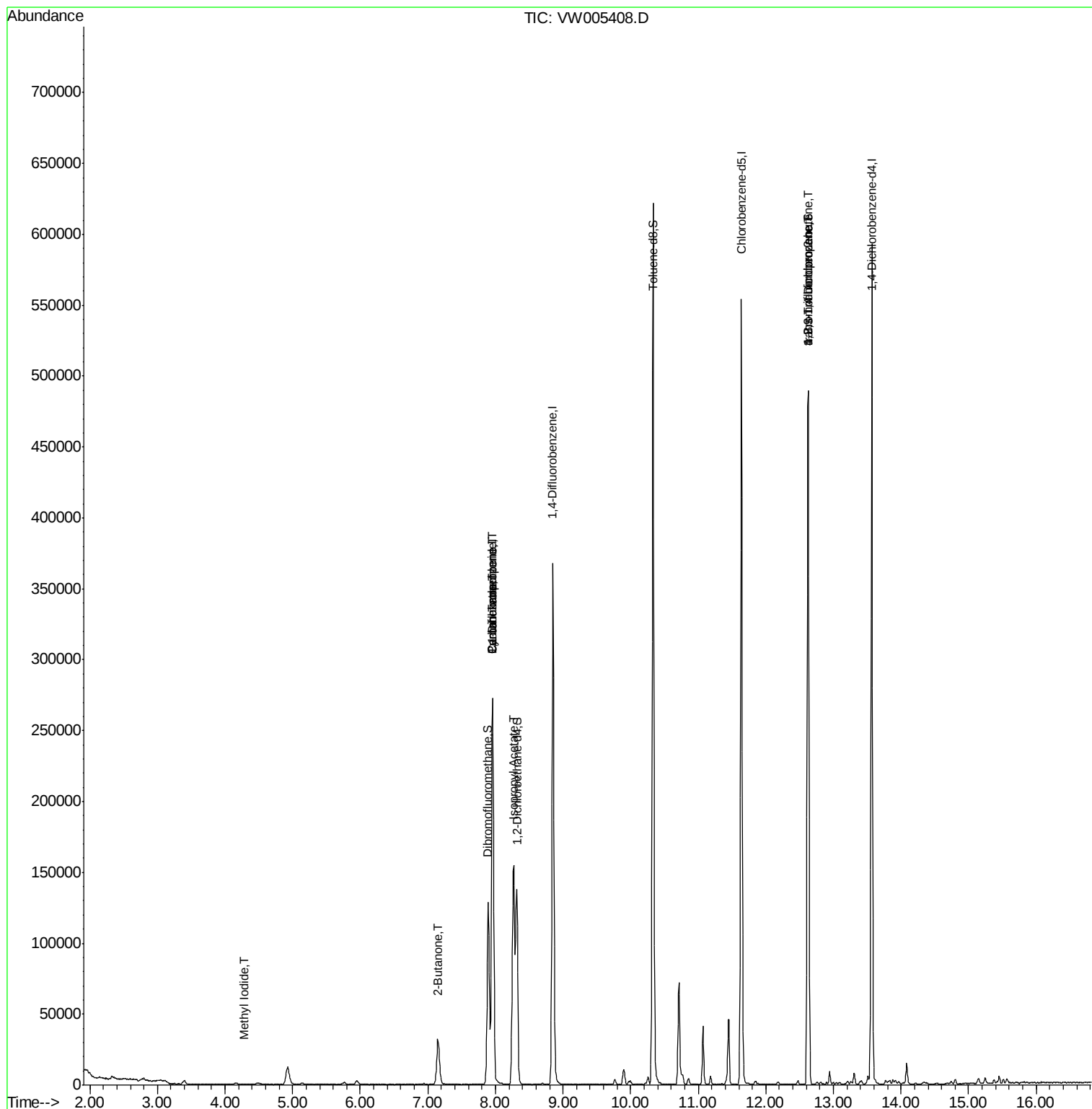
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	344	Below Cal		80
5) Bromomethane	2.79	94	420	Below Cal	#	51
10) Methyl Iodide	4.28	142	363	4.203	ug/l #	60
11) Tert butyl alcohol	5.19	59	387	Below Cal	#	71
13) Acrolein	3.70	56	22	Below Cal	#	12
16) Acetone	4.15	43	2129	Below Cal		93
20) Methylene Chloride	4.93	84	9403	Below Cal	#	91
25) 2-Butanone	7.16	43	2078	4.119	ug/l #	49
31) Cyclohexane	7.96	56	4658	1.392	ug/l #	10
36) 1,1-Dichloropropene	7.96	75	15355	5.150	ug/l #	52
38) Carbon Tetrachloride	7.96	117	20274	6.525	ug/l #	17
43) Isopropyl Acetate	8.26	43	3960	1.673	ug/l #	40
76) 1,2,3-Trichloropropane	12.63	75	77151	62.114	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	77151	161.126	ug/l #	8

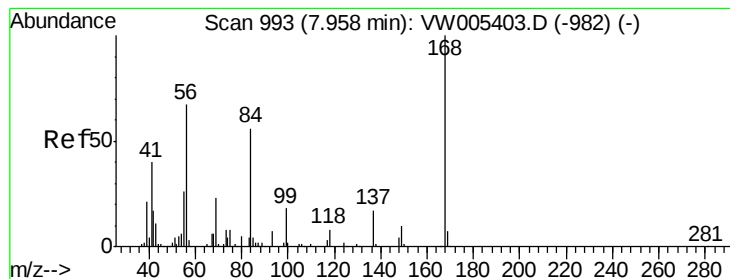
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005408.D

Acq: 15 Sep 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

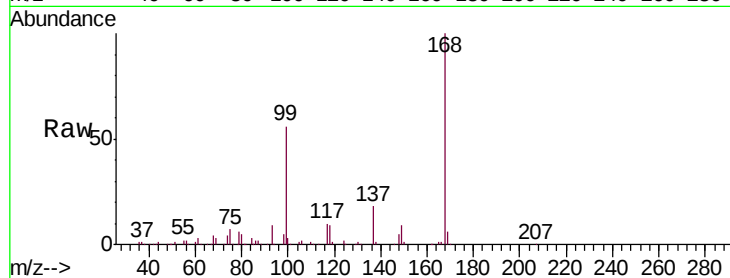
VW0916SBL01

Tgt Ion:168 Resp: 202022

Ion Ratio Lower Upper

168 100

99 56.1 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

100000

80000

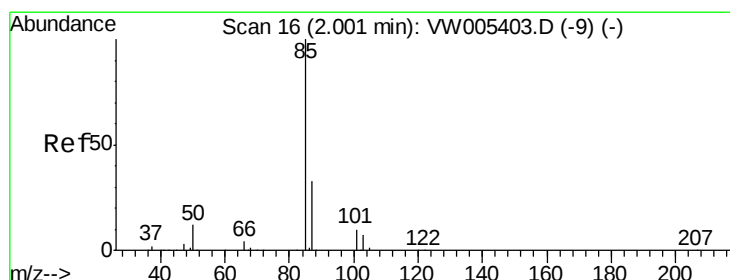
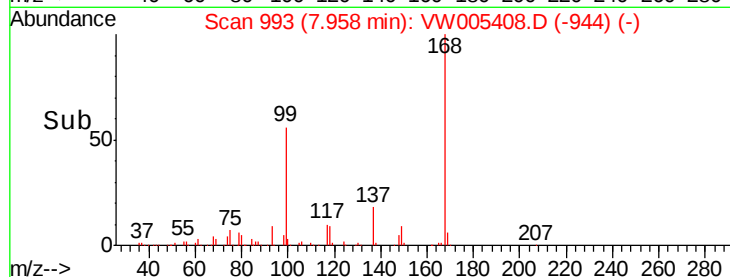
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW005408.D

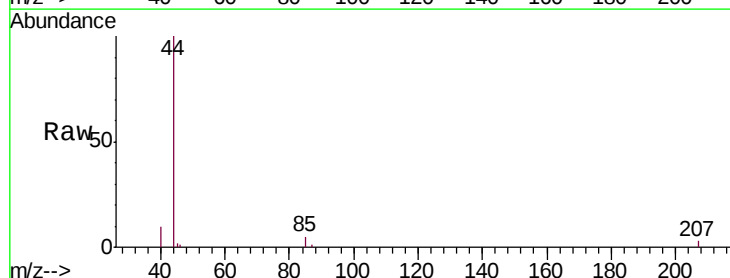
Acq: 15 Sep 2018 03:04

Tgt Ion: 85 Resp: 344

Ion Ratio Lower Upper

85 100

87 21.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

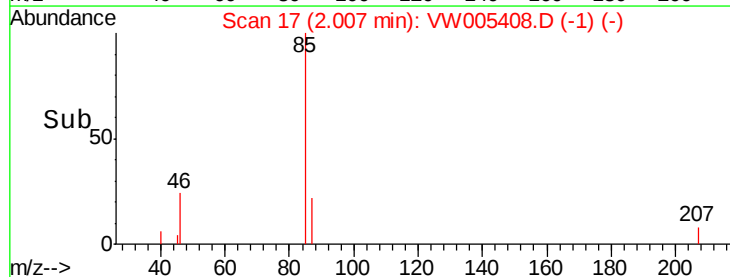
300

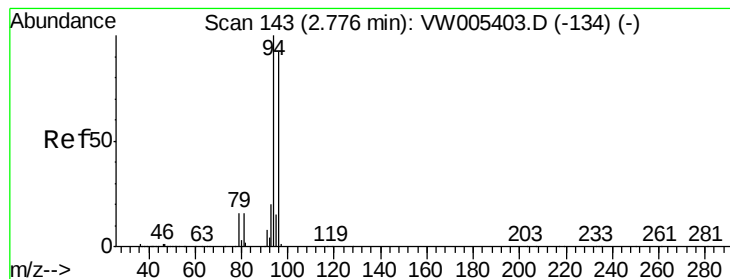
200

100

0

Time--> 1.96 1.98 2.00 2.02 2.04





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

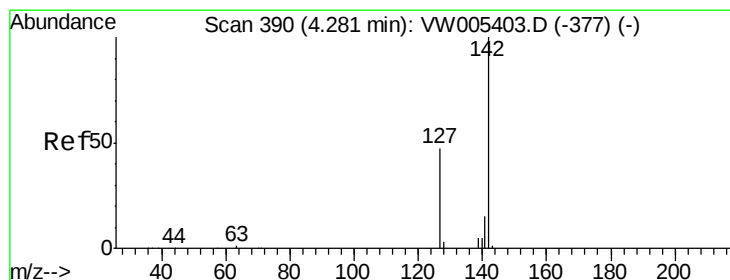
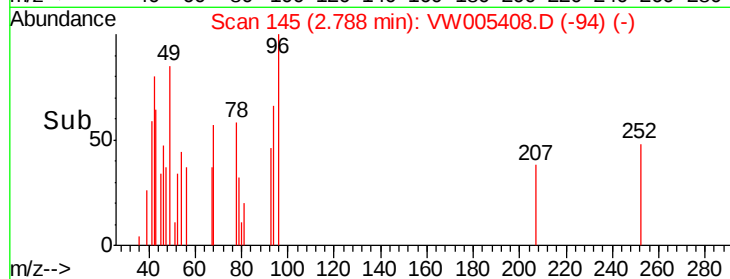
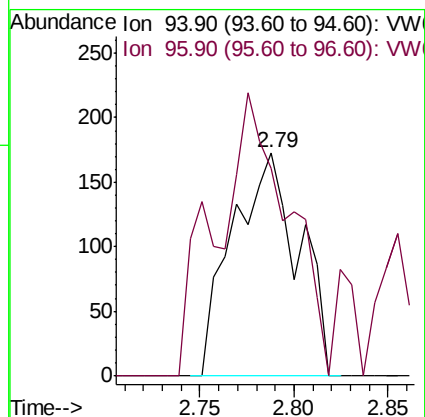
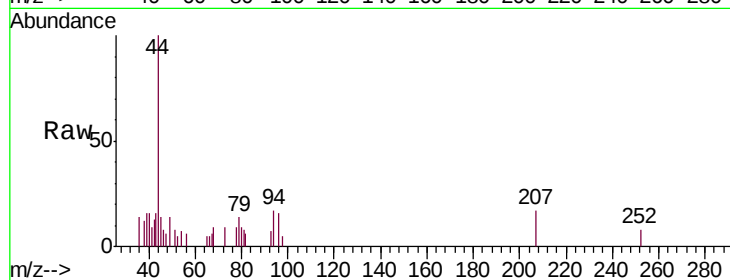
VW0916SBL01

Tgt Ion: 94 Resp: 420

Ion Ratio Lower Upper

94 100

96 45.7 73.7 110.5#



#10

Methyl Iodide

Concen: 4.203 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

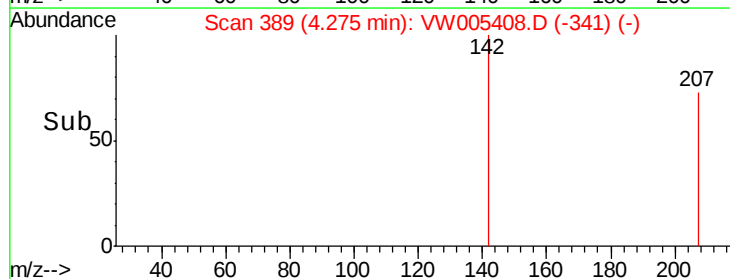
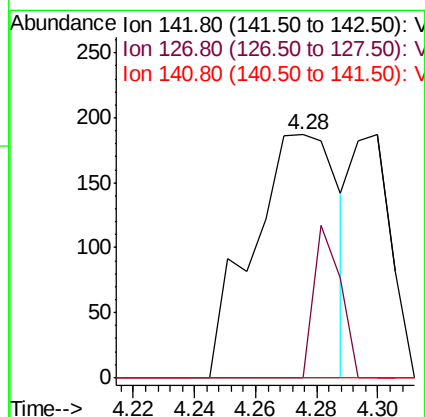
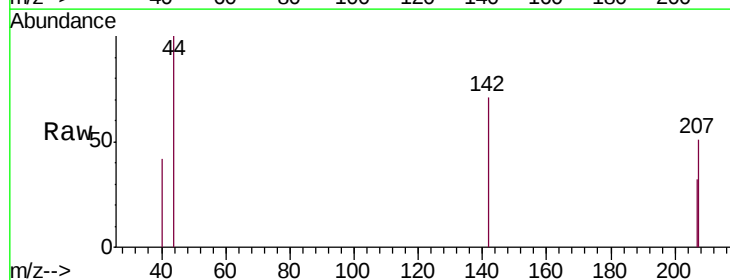
Tgt Ion: 142 Resp: 363

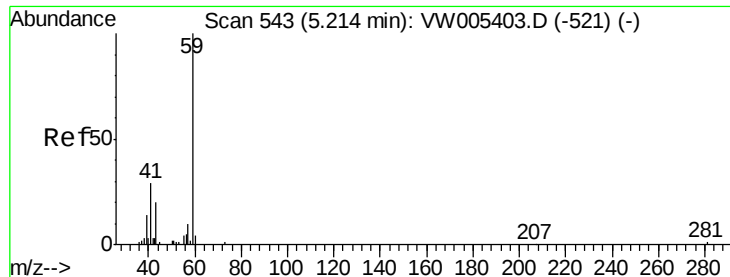
Ion Ratio Lower Upper

142 100

127 19.6 37.5 56.3#

141 0.0 12.4 18.6#

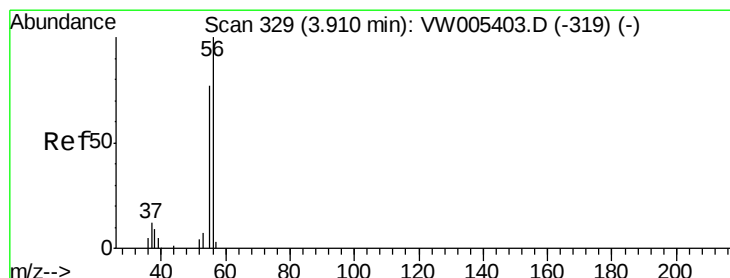
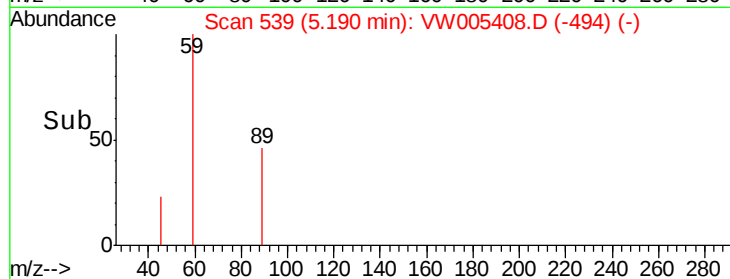
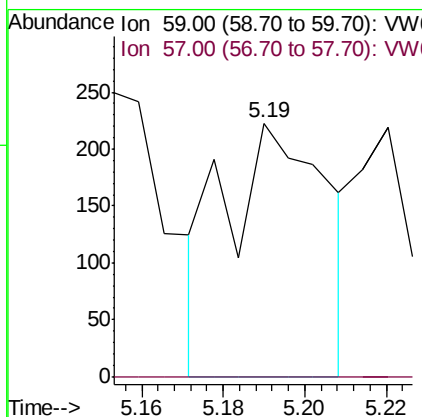
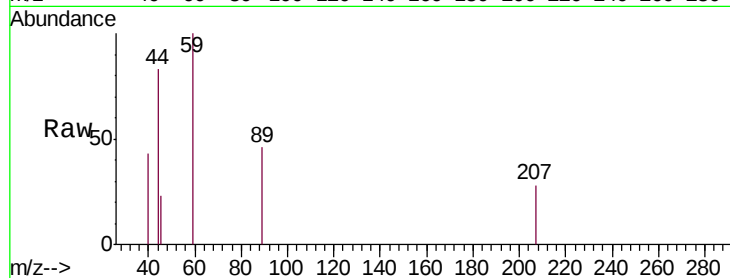




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 539
Delta R.T. -0.02 min
Lab File: VW005408.D
Acq: 15 Sep 2018 03:04

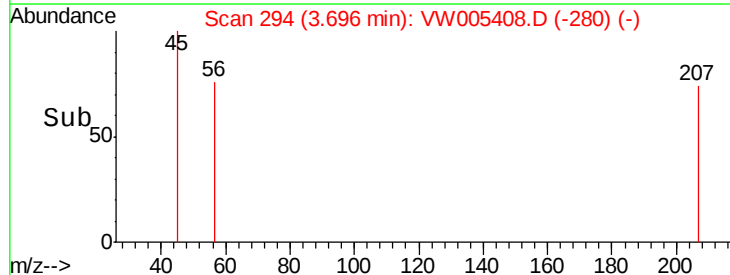
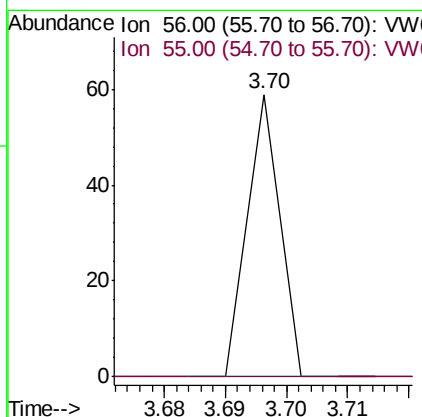
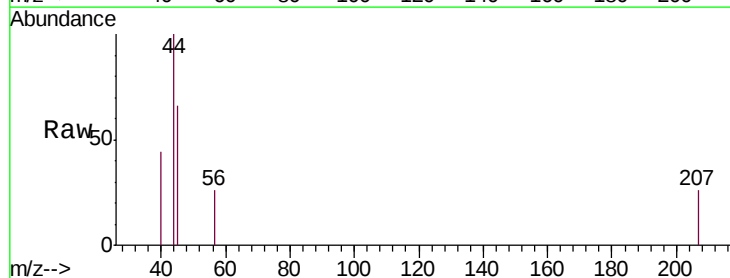
Instrument :
MSVOA_W
ClientSampled :
VW0916SBL01

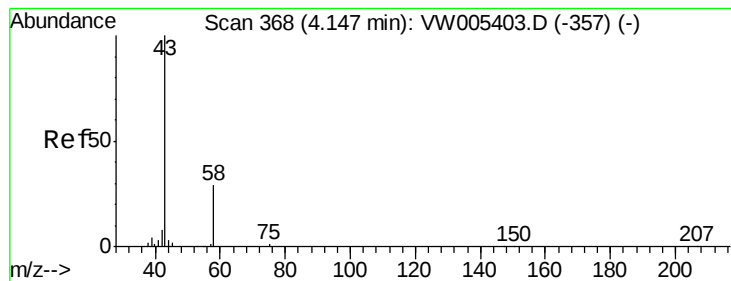
Tgt Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: Below Cal
RT: 3.70 min Scan# 294
Delta R.T. -0.21 min
Lab File: VW005408.D
Acq: 15 Sep 2018 03:04

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# 369

Delta R.T. 0.01 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

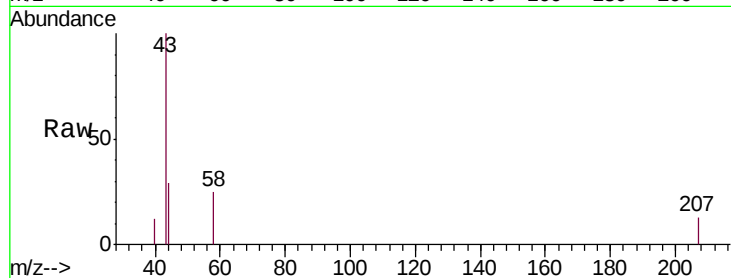
VW0916SBL01

Tgt Ion: 43 Resp: 2129

Ion Ratio Lower Upper

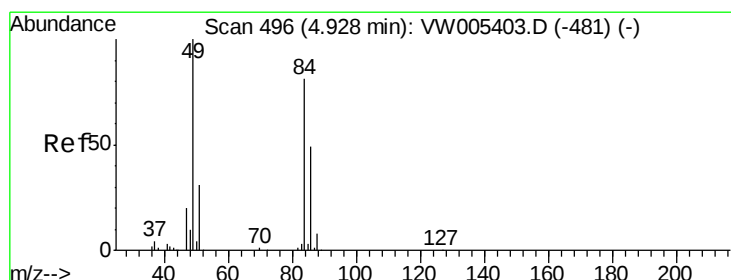
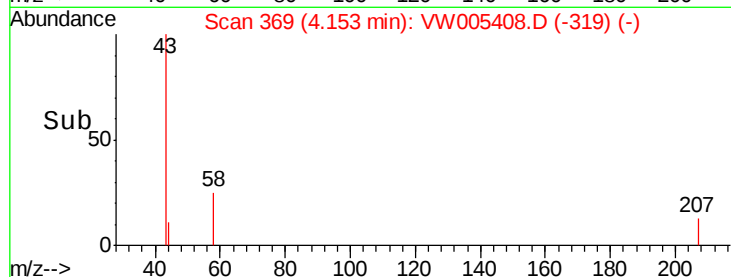
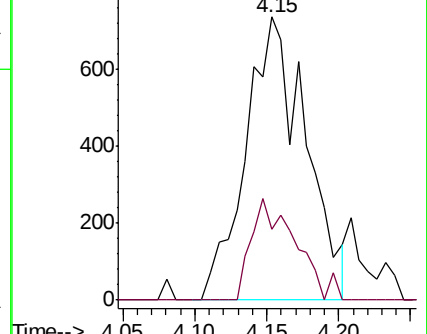
43 100

58 25.0 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Tgt Ion: 84 Resp: 9403

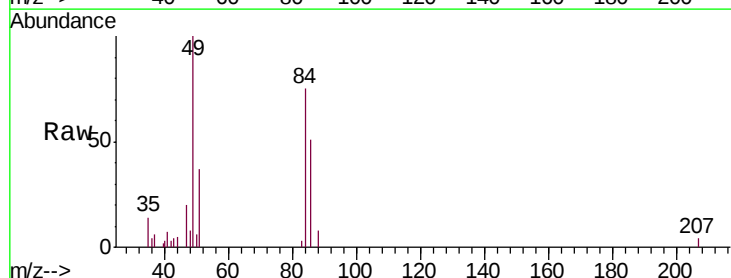
Ion Ratio Lower Upper

84 100

49 132.5 99.3 148.9

51 49.7 31.1 46.7#

86 67.8 49.1 73.7

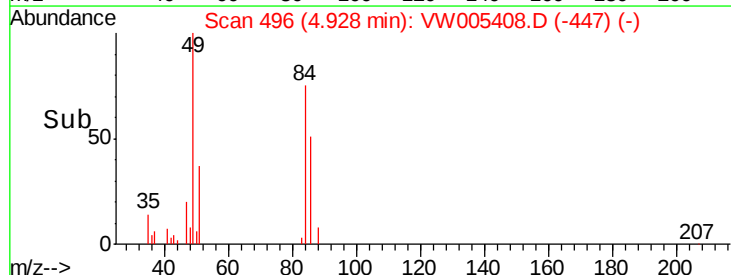
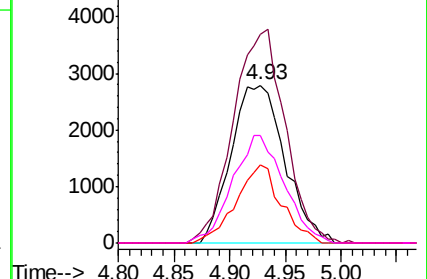


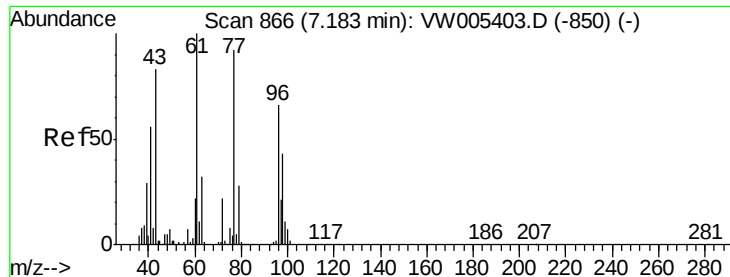
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 4.119 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

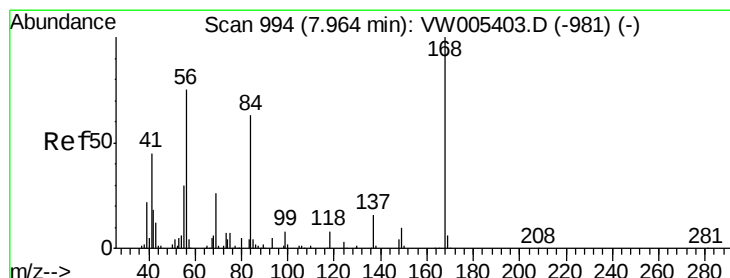
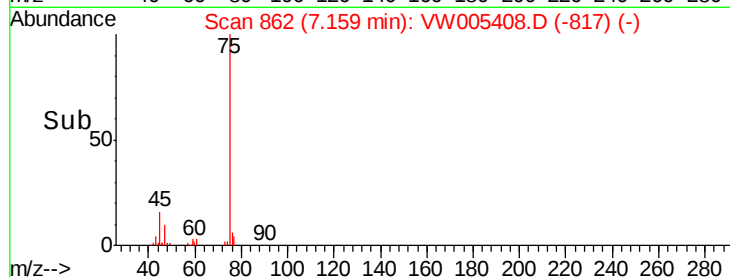
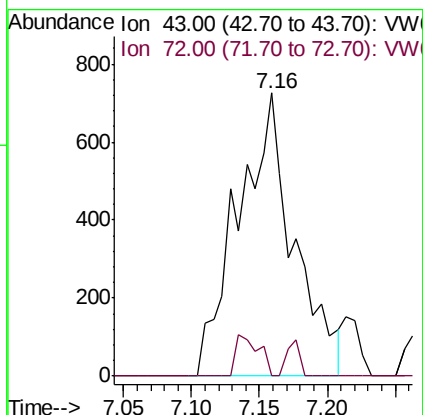
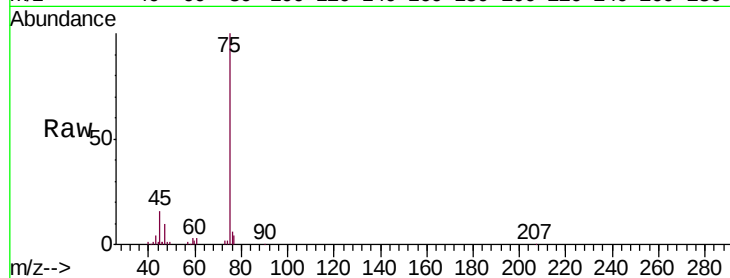
VW0916SBL01

Tgt Ion: 43 Resp: 2078

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#31

Cyclohexane

Concen: 1.392 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

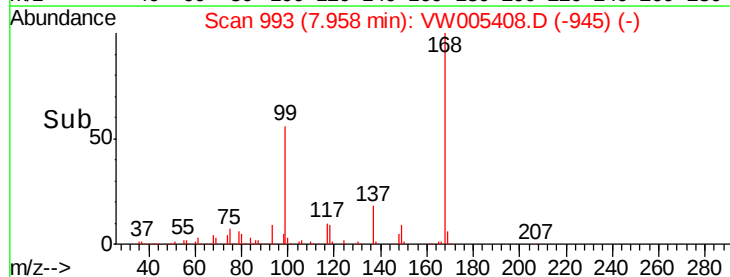
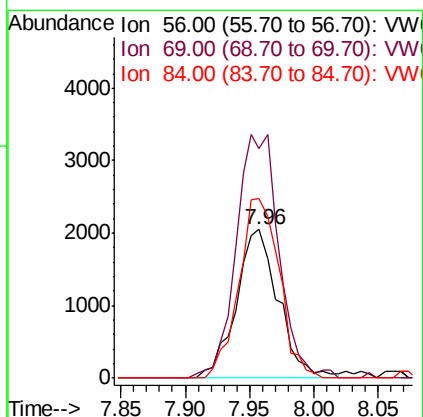
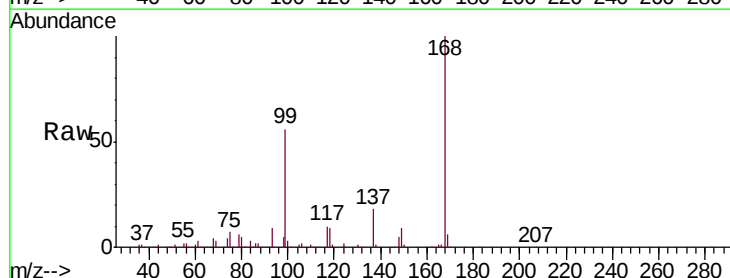
Tgt Ion: 56 Resp: 4658

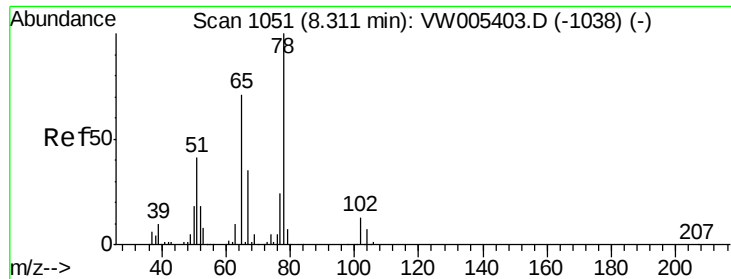
Ion Ratio Lower Upper

56 100

69 154.7 27.2 40.8#

84 120.8 66.7 100.1#





#33

1,2-Dichloroethane-d4

Concen: 54.893 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

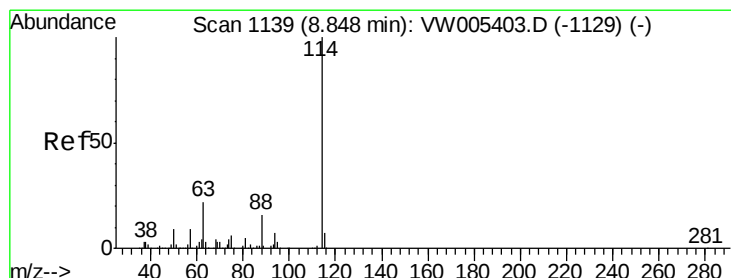
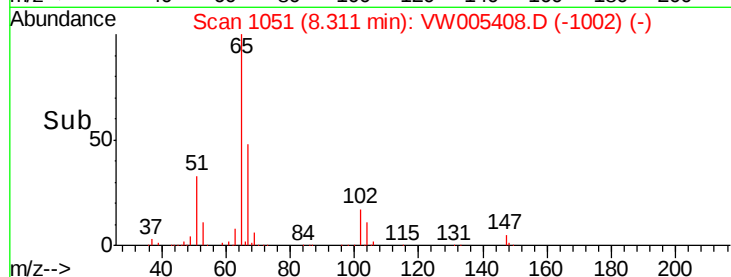
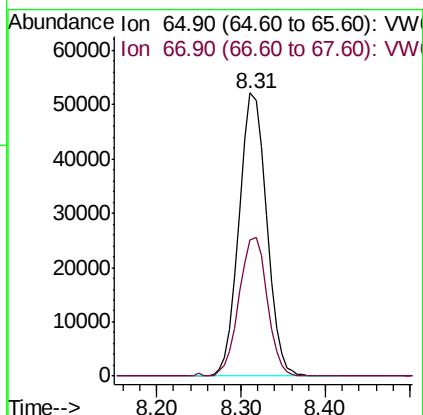
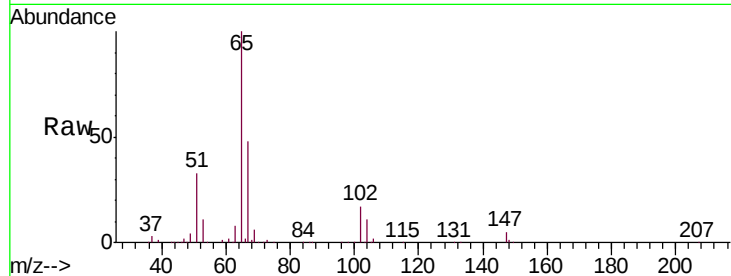
VW0916SBL01

Tgt Ion: 65 Resp: 115110

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

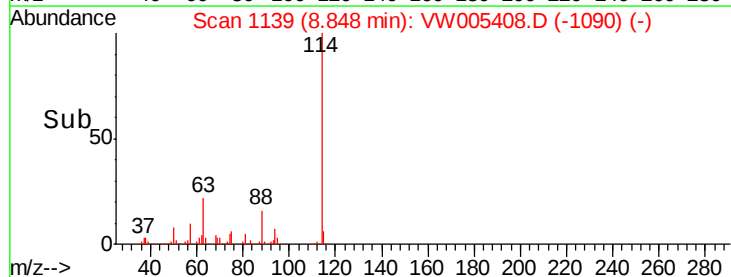
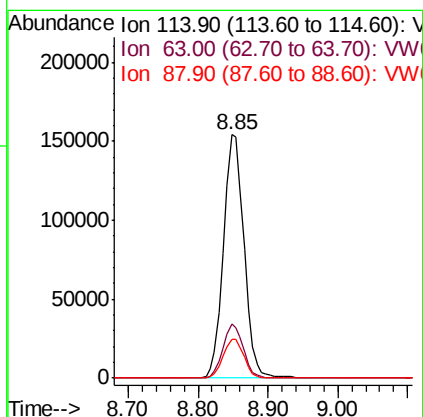
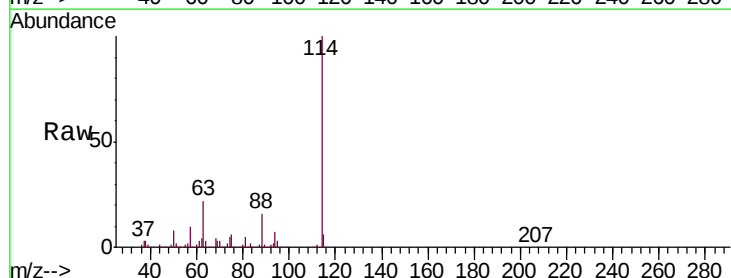
Tgt Ion: 114 Resp: 315064

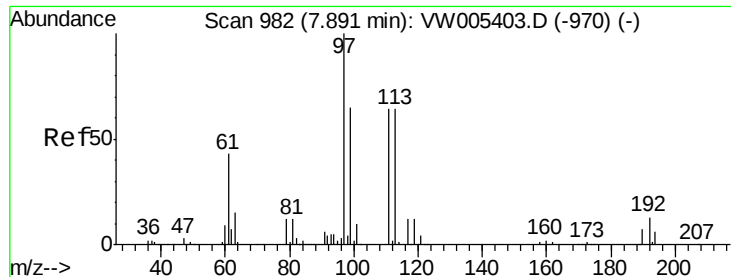
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.0 0.0 31.8

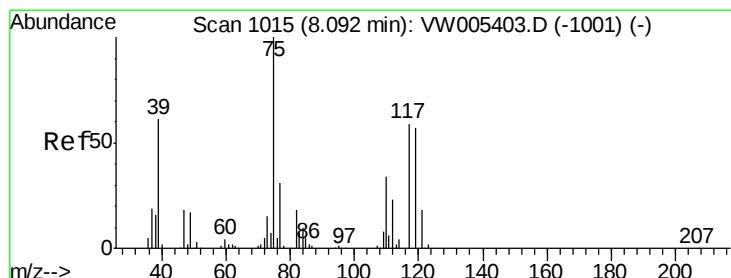
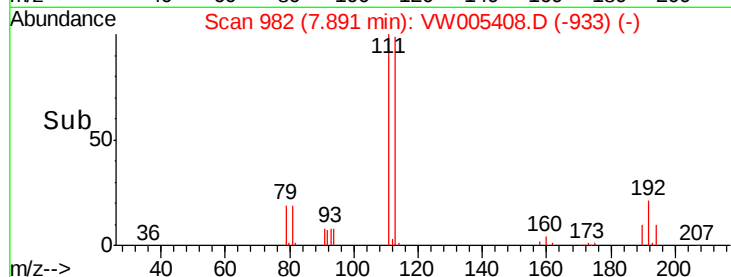
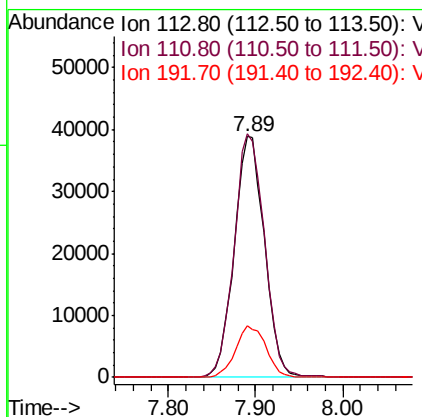
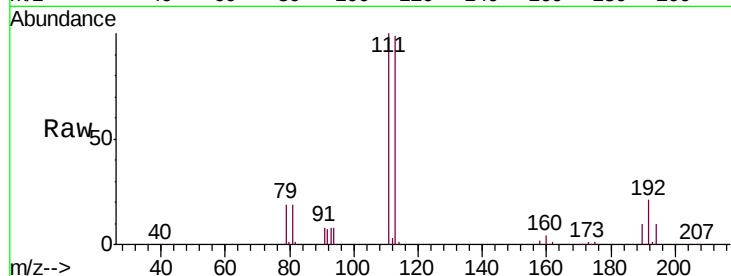




#35
 Dibromofluoromethane
 Concen: 52.914 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005408.D
 Acq: 15 Sep 2018 03:04

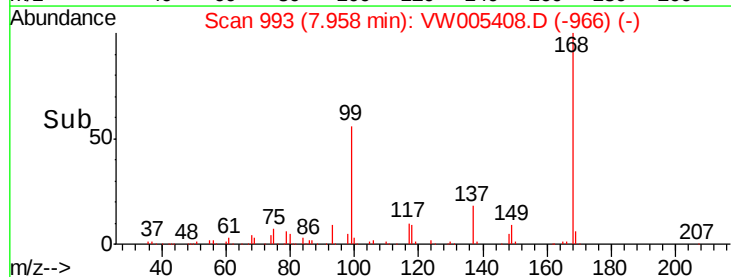
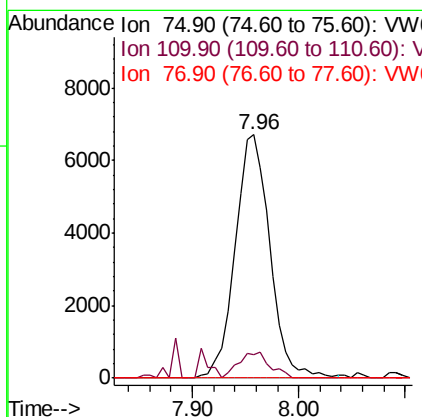
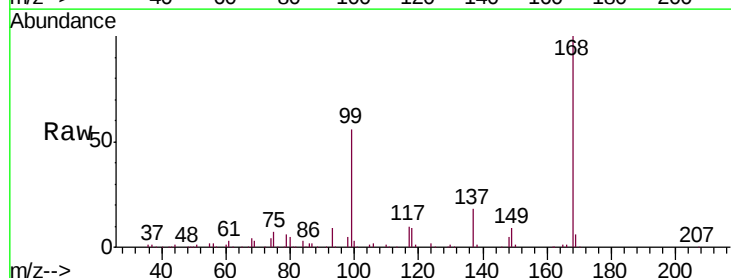
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBL01

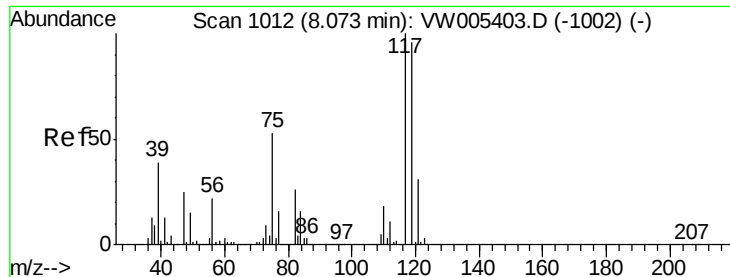
Tgt Ion:113 Resp: 93474
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.3 123.5
 192 21.3 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 5.150 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005408.D
 Acq: 15 Sep 2018 03:04

Tgt Ion: 75 Resp: 15355
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.8 50.4#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.525 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBL01

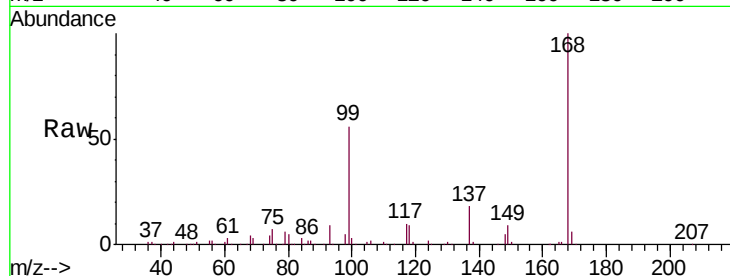
Tgt Ion:117 Resp: 20274

Ion Ratio Lower Upper

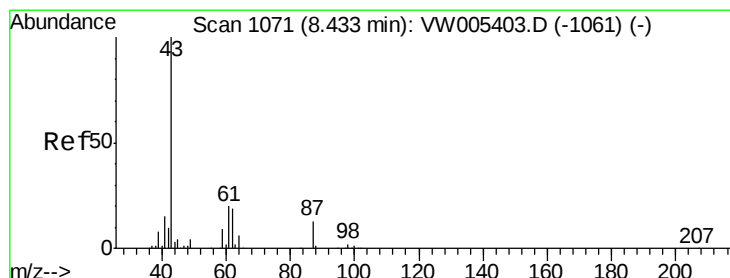
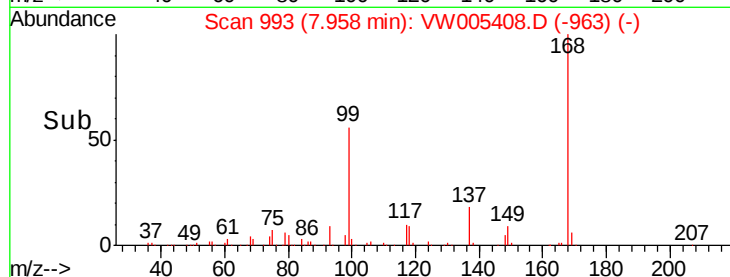
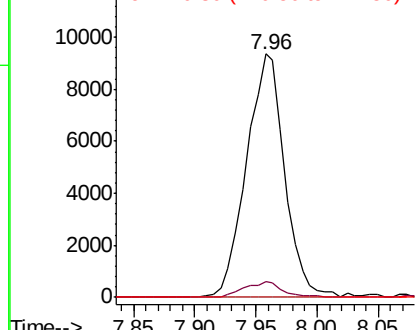
117 100

119 6.5 76.8 115.2#

121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 1.673 ug/l

RT: 8.26 min Scan# 1043

Delta R.T. -0.17 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

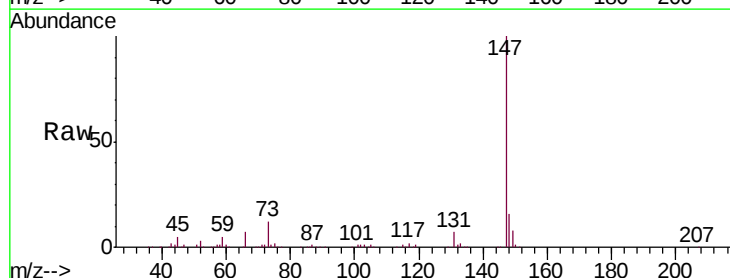
Tgt Ion: 43 Resp: 3960

Ion Ratio Lower Upper

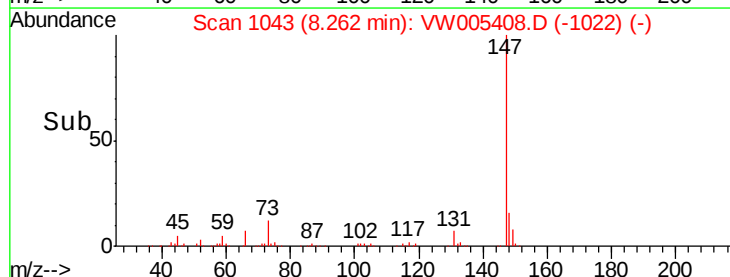
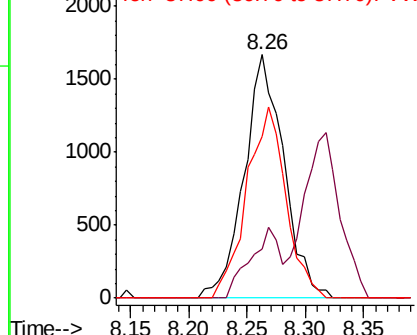
43 100

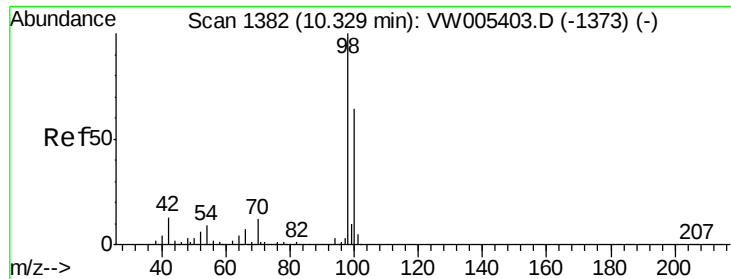
61 21.5 23.8 35.6#

87 77.6 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW





#50

Toluene-d8

Concen: 51.121 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

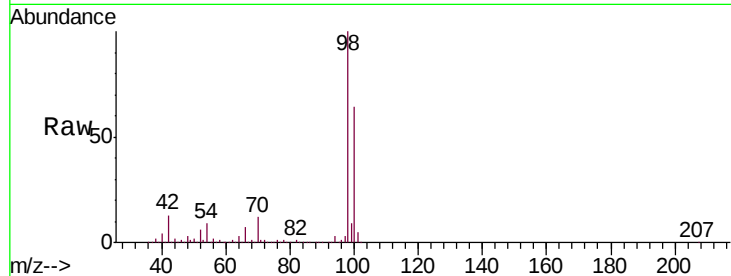
VW0916SBL01

Tgt Ion: 98 Resp: 413558

Ion Ratio Lower Upper

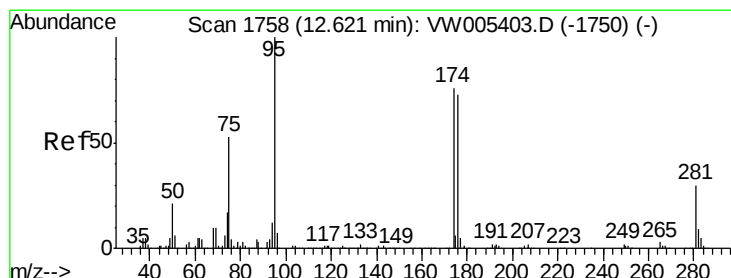
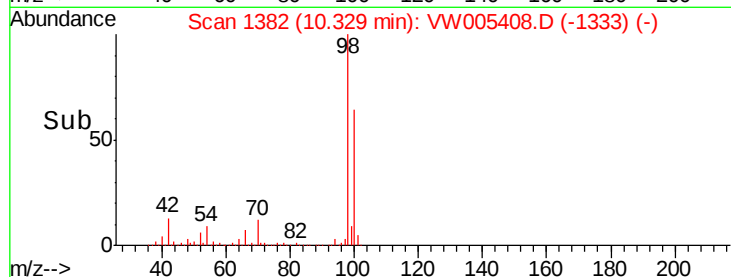
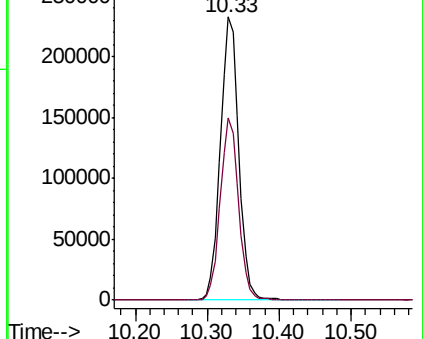
98 100

100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 49.339 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

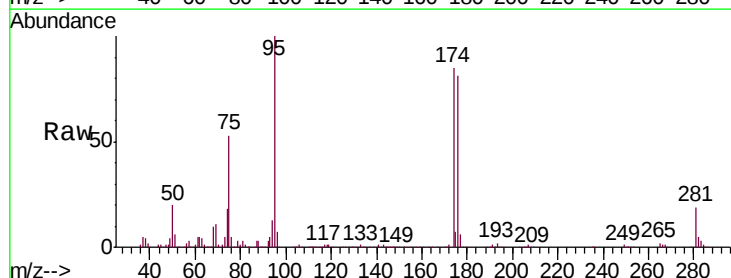
Tgt Ion: 95 Resp: 146353

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.2

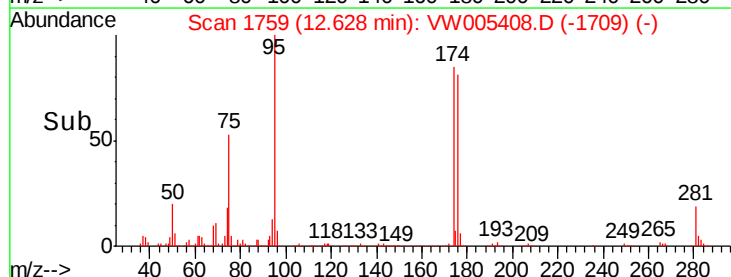
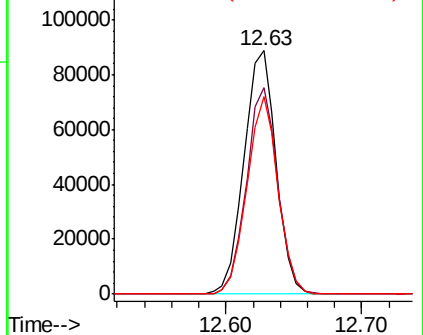
176 78.5 0.0 156.6

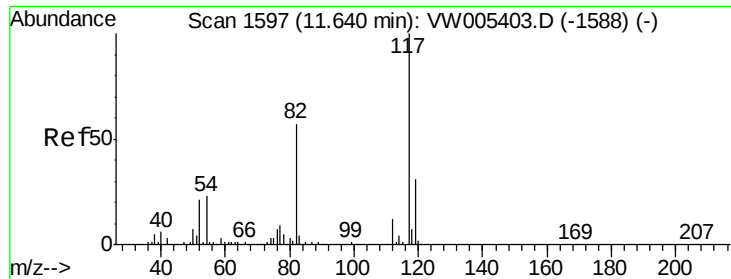


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBL01

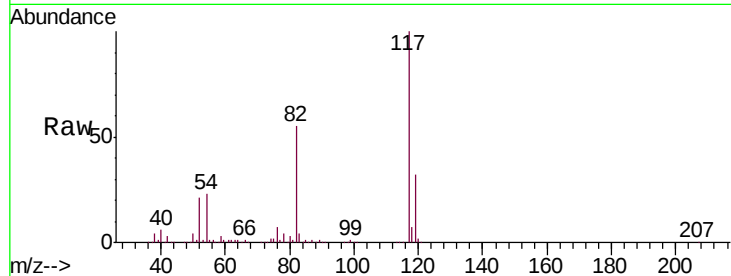
Tgt Ion:117 Resp: 306211

Ion Ratio Lower Upper

117 100

82 55.5 45.9 68.9

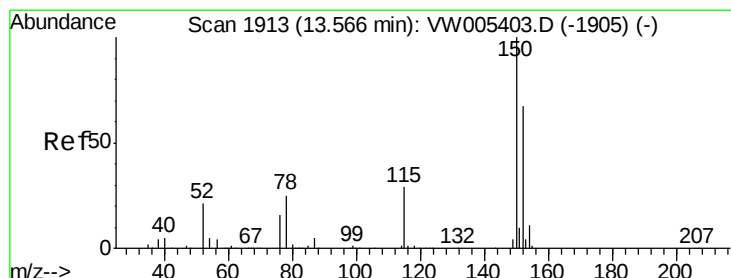
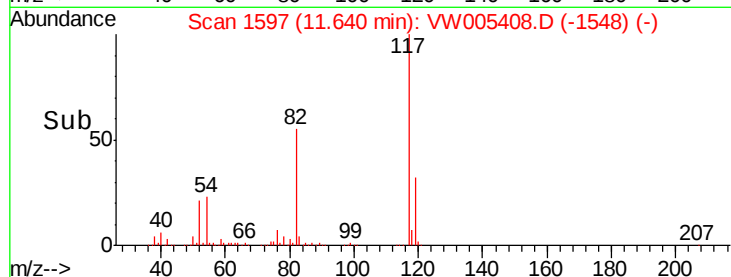
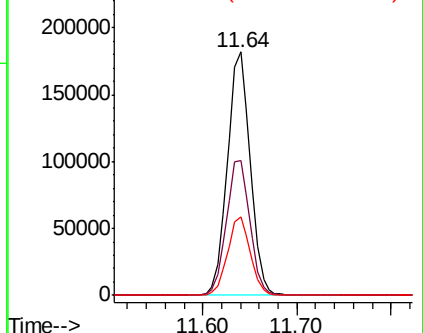
119 32.5 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VW005408.D

Acq: 15 Sep 2018 03:04

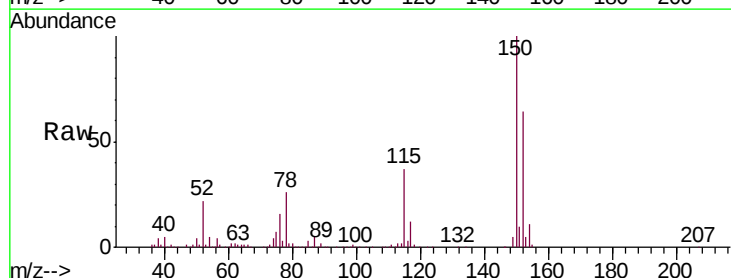
Tgt Ion:152 Resp: 151019

Ion Ratio Lower Upper

152 100

115 58.7 29.5 88.5

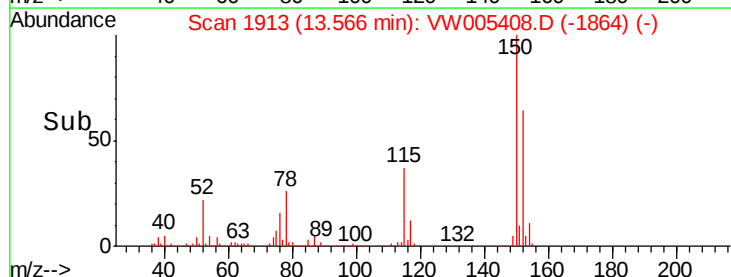
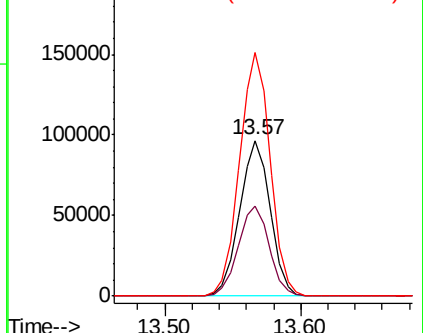
150 157.4 0.0 345.6

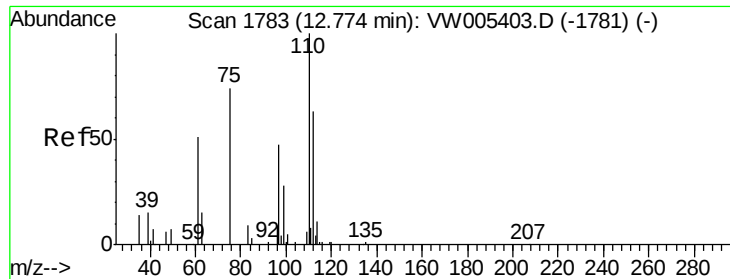


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 62.114 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Instrument :

MSVOA_W

ClientSampled :

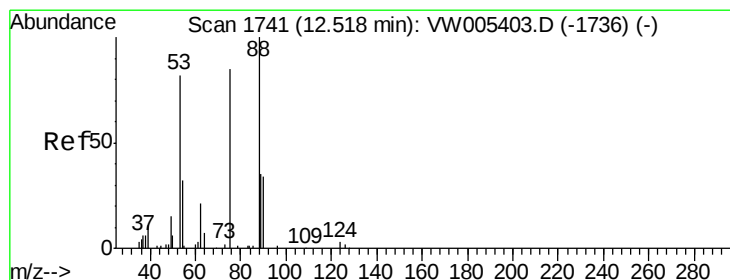
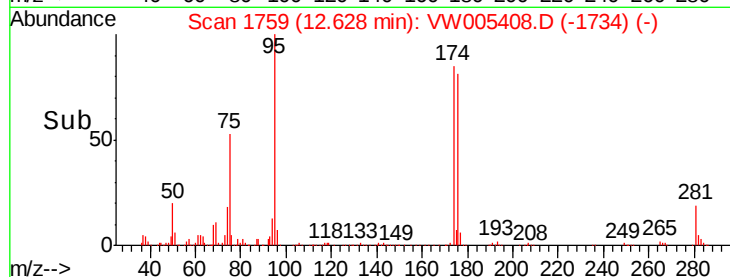
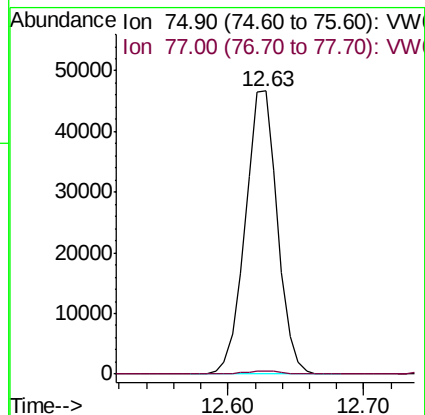
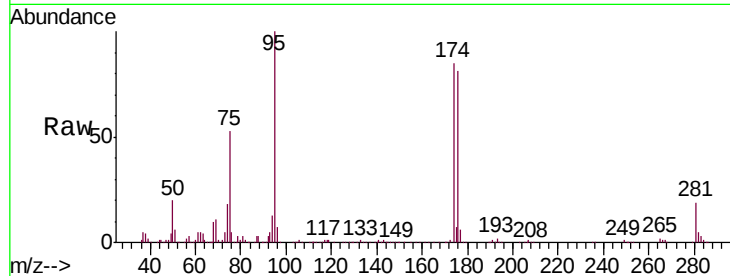
VW0916SBL01

Tgt Ion: 75 Resp: 77151

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 161.126 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005408.D

Acq: 15 Sep 2018 03:04

Tgt Ion: 75 Resp: 77151

Ion Ratio Lower Upper

75 100

53 0.1 83.2 124.8#

89 0.2 36.6 54.8#

