

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005663.D
 Acq On : 26 Sep 2018 19:50
 Operator : VA/AP
 Sample : J4773-15
 Misc : 6.44G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-C

Quant Time: Sep 27 06:56:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	272619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	446008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	166169	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	181710	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	7.88	113	148233	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.33	98	534247	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
62) 4-Bromofluorobenzene	12.62	95	179773	42.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.08%	

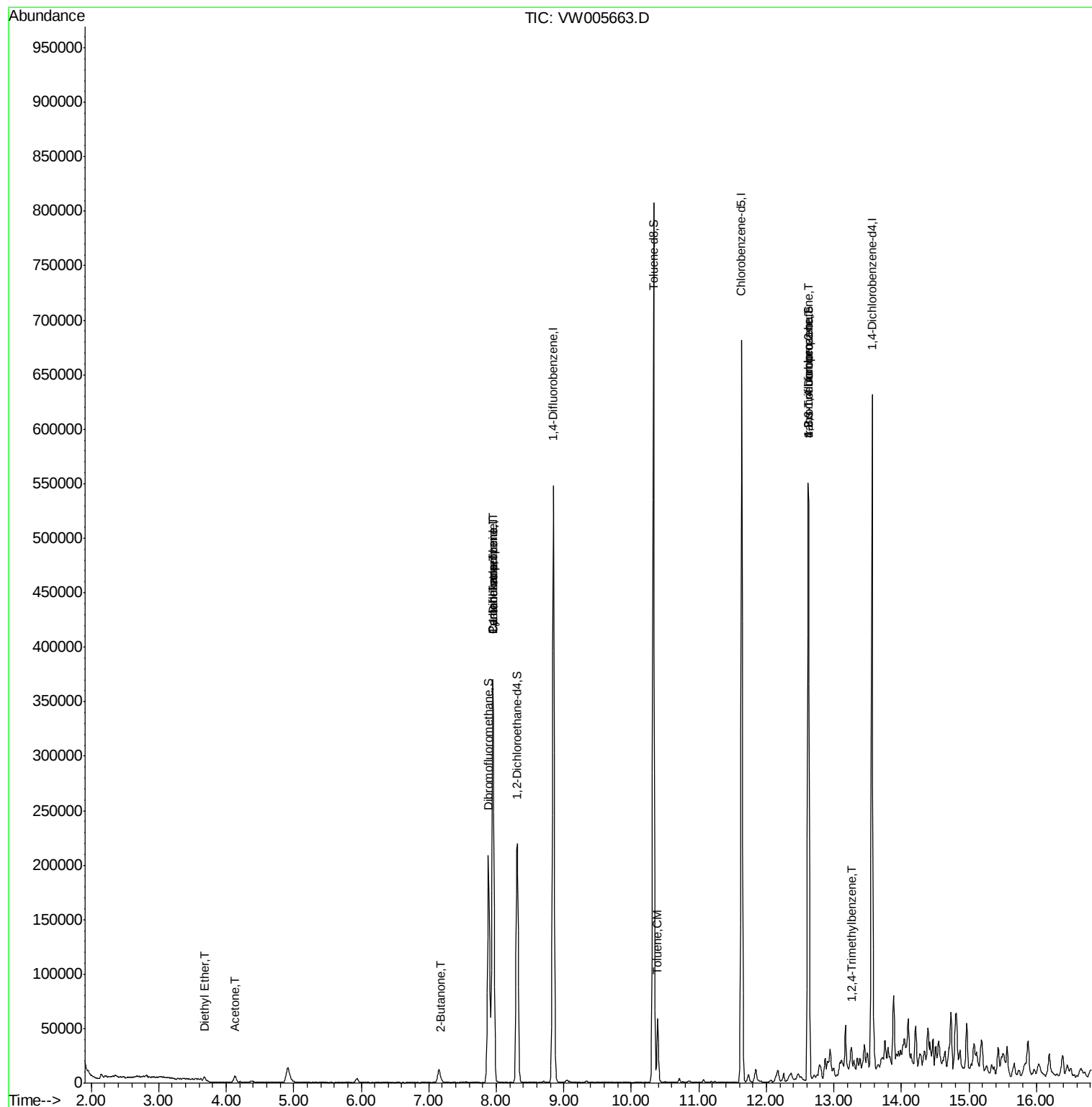
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	240	Below Cal		90
8) Diethyl Ether	3.68	74	2511	1.876	ug/l	84
13) Acrolein	3.87	56	44	Below Cal	#	13
16) Acetone	4.13	43	10953	12.738	ug/l	95
25) 2-Butanone	7.18	43	2536	3.251	ug/l	94
31) Cyclohexane	7.95	56	6127	1.231	ug/l	# 1
36) 1,1-Dichloropropene	7.95	75	21060	4.691	ug/l	# 50
38) Carbon Tetrachloride	7.95	117	26776	5.565	ug/l	# 17
52) Toluene	10.39	92	23442	2.953	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	91650	64.703	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	91650	145.730	ug/l	# 7
84) 1,2,4-Trimethylbenzene	13.26	105	13081	1.294	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
Data File : VW005663.D
Acq On : 26 Sep 2018 19:50
Operator : VA/AP
Sample : J4773-15
Misc : 6.44G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-C

Quant Time: Sep 27 06:56:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005663.D

Acq: 26 Sep 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

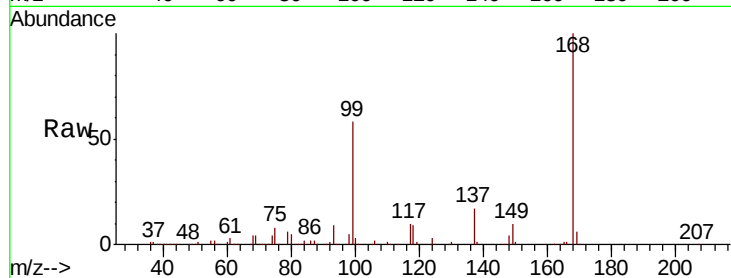
CL-02-092518-C

Tgt Ion: 168 Resp: 272619

Ion Ratio Lower Upper

168 100

99 57.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

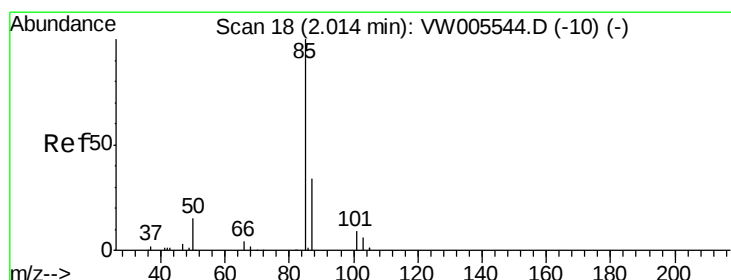
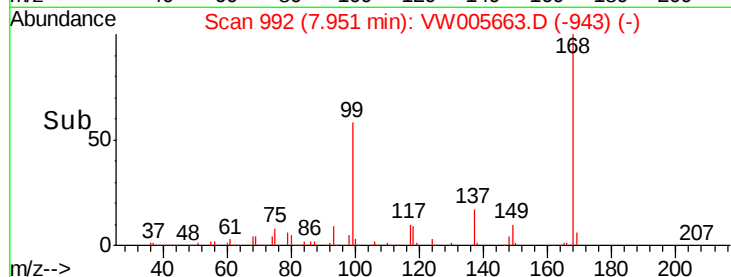
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005663.D

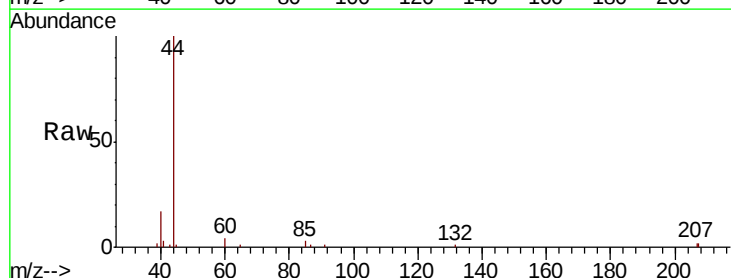
Acq: 26 Sep 2018 19:50

Tgt Ion: 85 Resp: 240

Ion Ratio Lower Upper

85 100

87 39.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

150

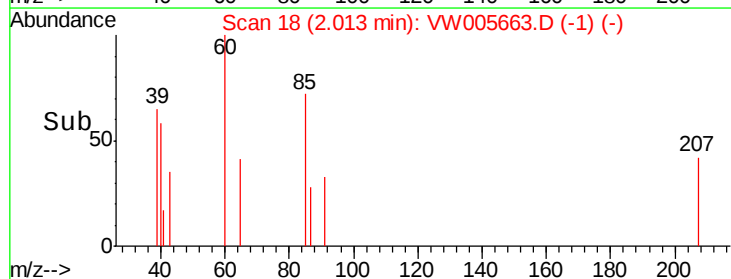
100

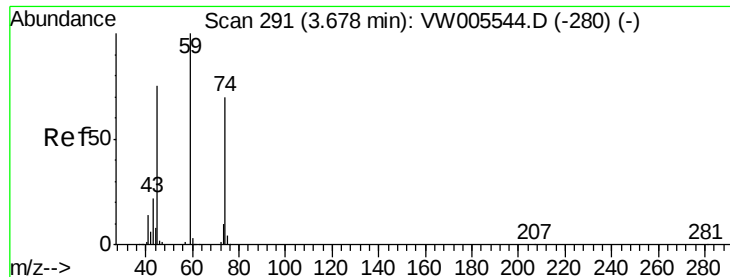
50

0

1.96 1.98 2.00 2.02 2.04

Time-->





#8

Diethyl Ether

Concen: 1.876 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005663.D

Acq: 26 Sep 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

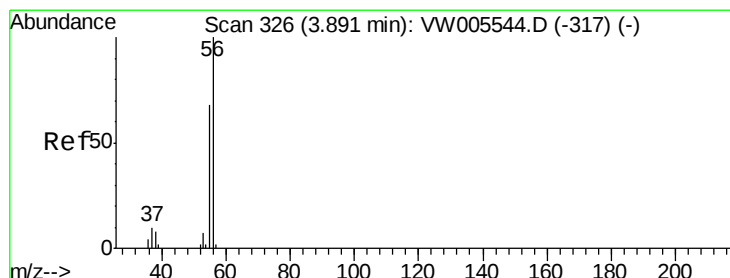
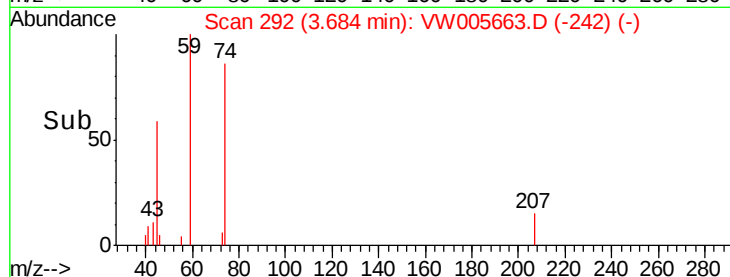
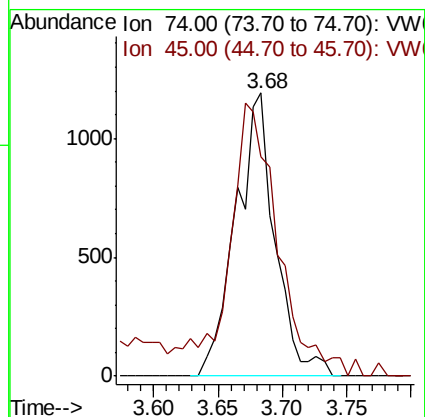
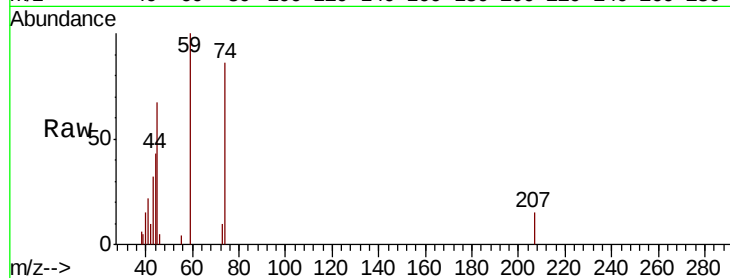
CL-02-092518-C

Tgt Ion: 74 Resp: 2511

Ion Ratio Lower Upper

74 100

45 119.5 51.7 155.2



#13

Acrolein

Concen: Below Cal

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW005663.D

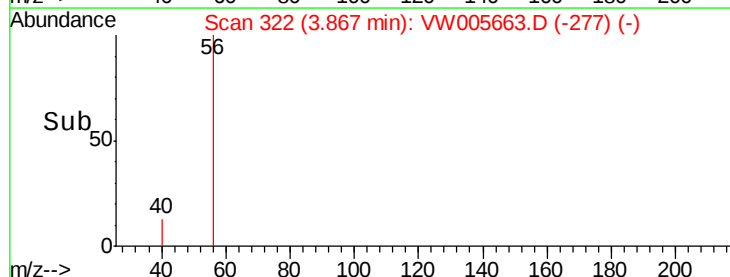
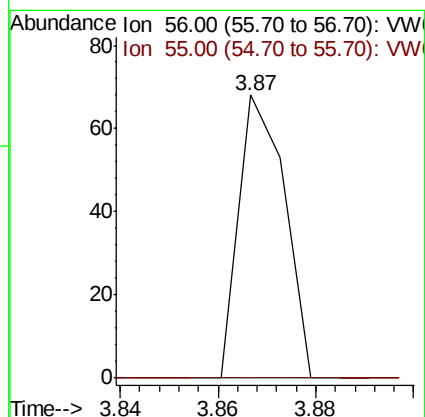
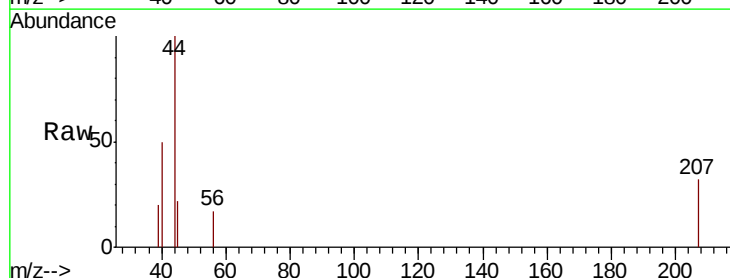
Acq: 26 Sep 2018 19:50

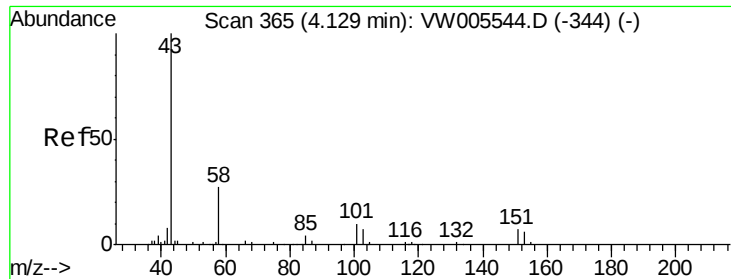
Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.8#





#16

Acetone

Concen: 12.738 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005663.D

Acq: 26 Sep 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

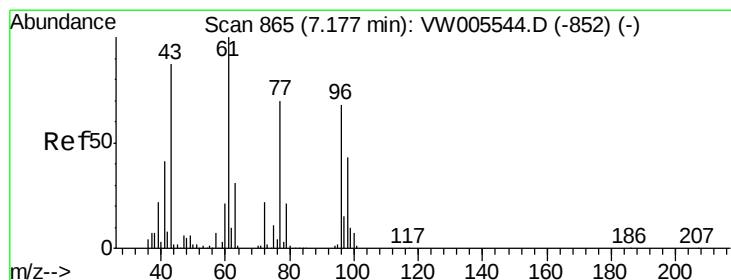
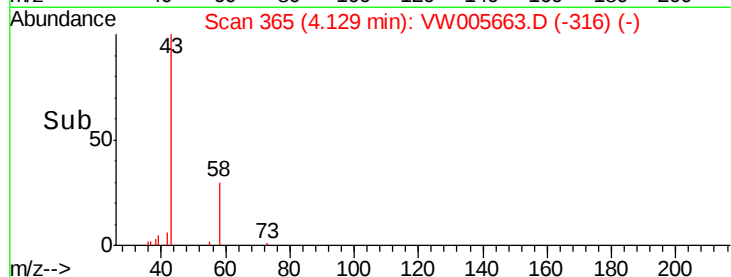
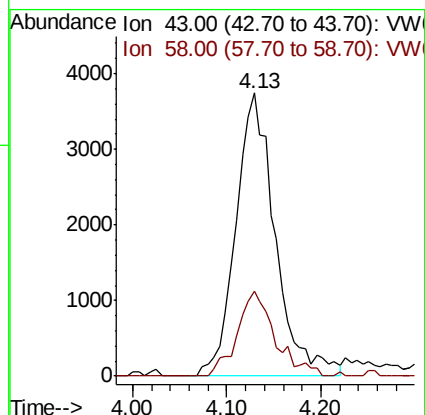
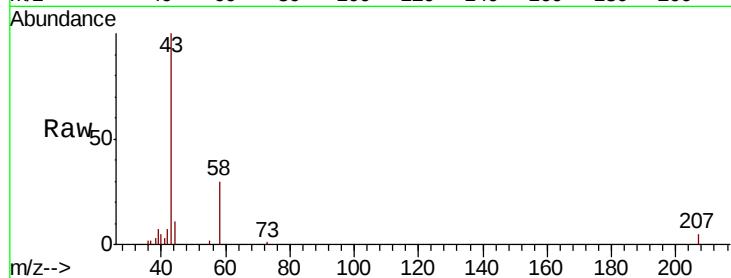
CL-02-092518-C

Tgt Ion: 43 Resp: 10953

Ion Ratio Lower Upper

43 100

58 30.1 21.8 32.8



#25

2-Butanone

Concen: 3.251 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005663.D

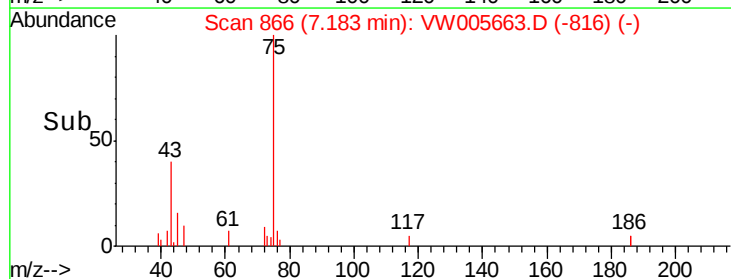
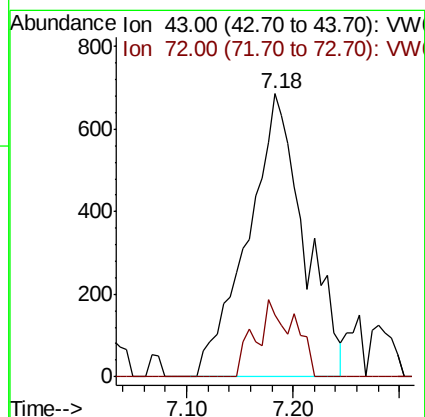
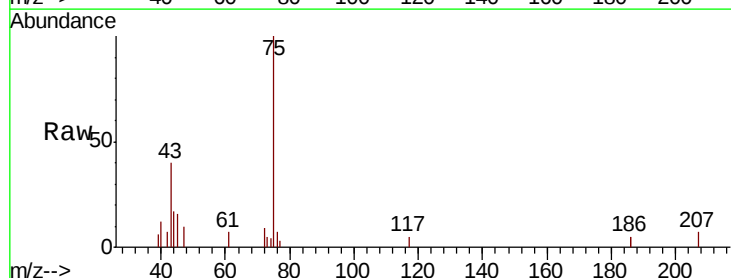
Acq: 26 Sep 2018 19:50

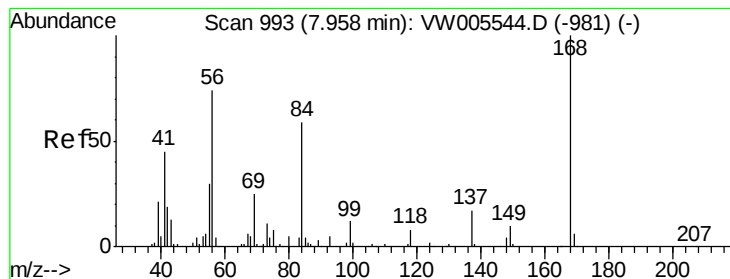
Tgt Ion: 43 Resp: 2536

Ion Ratio Lower Upper

43 100

72 21.7 19.9 29.9





#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW005663.D

Acq: 26 Sep 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-C

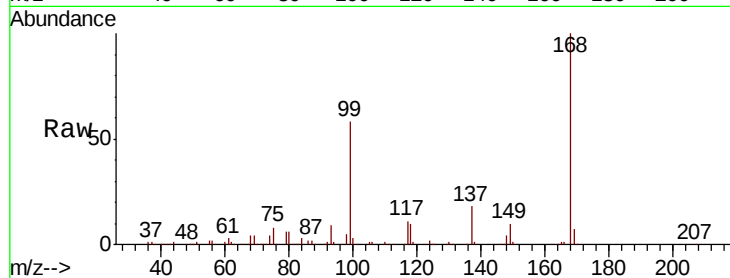
Tgt Ion: 56 Resp: 6127

Ion Ratio Lower Upper

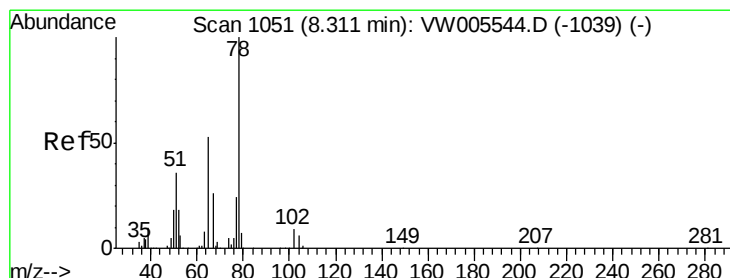
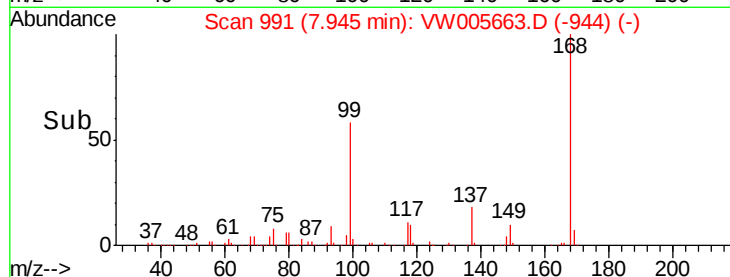
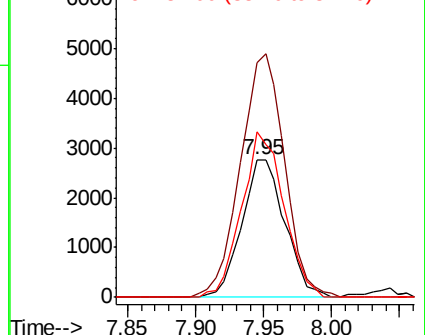
56 100

69 171.1 27.0 40.4#

84 120.7 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: 56.578 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005663.D

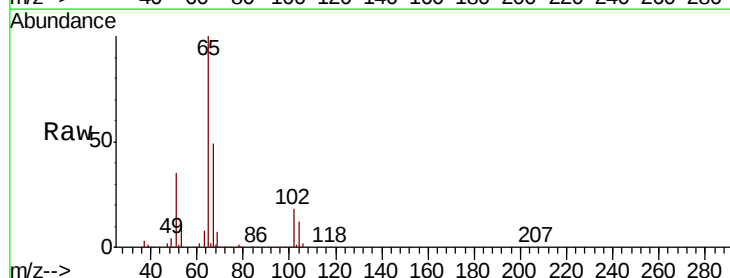
Acq: 26 Sep 2018 19:50

Tgt Ion: 65 Resp: 181710

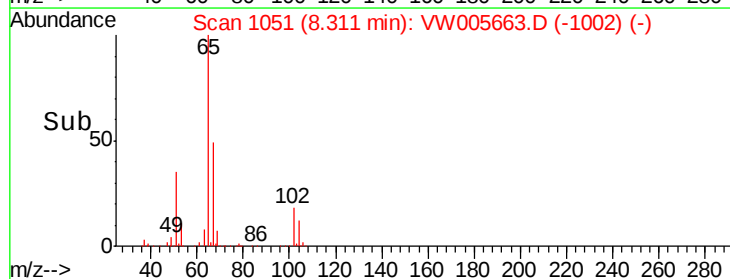
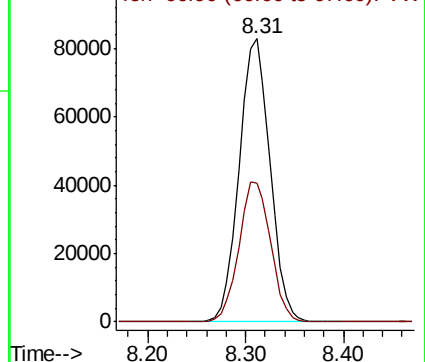
Ion Ratio Lower Upper

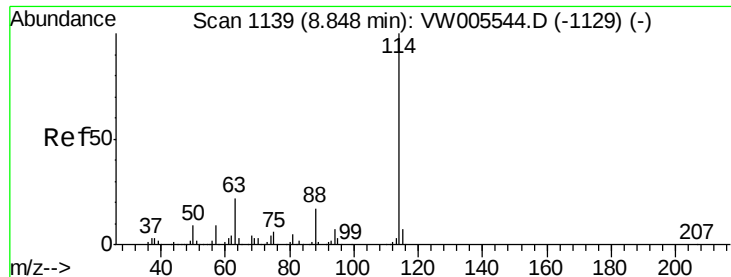
65 100

67 50.7 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: VW005663.D

Acq: 26 Sep 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-C

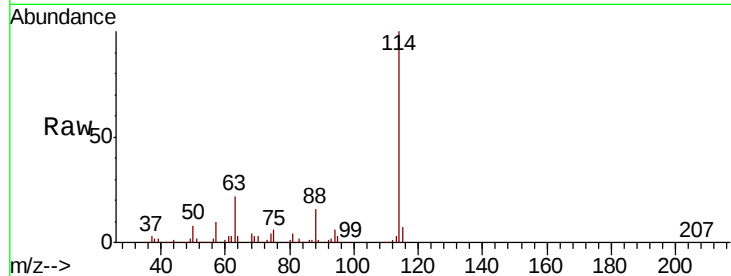
Tgt Ion:114 Resp: 446008

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

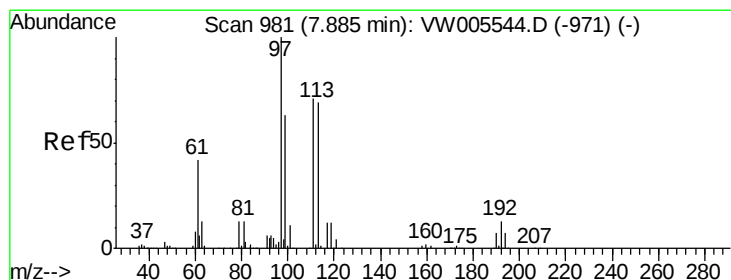
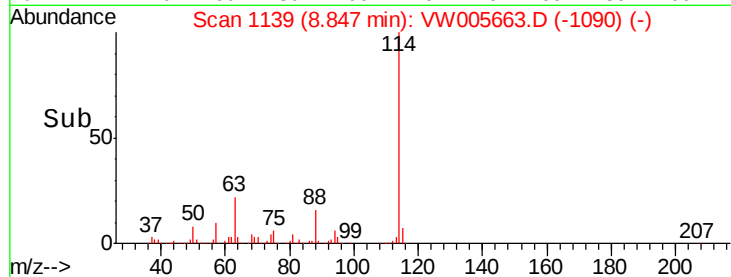
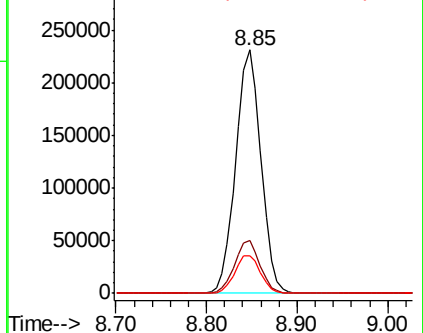
88 15.7 0.0 33.0



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: 52.850 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW005663.D

Acq: 26 Sep 2018 19:50

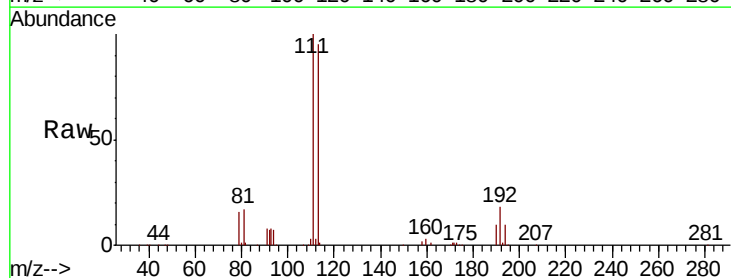
Tgt Ion:113 Resp: 148233

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

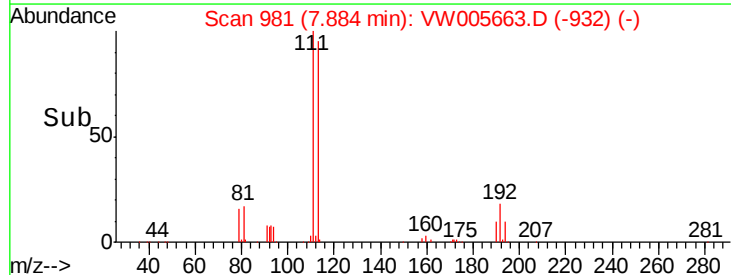
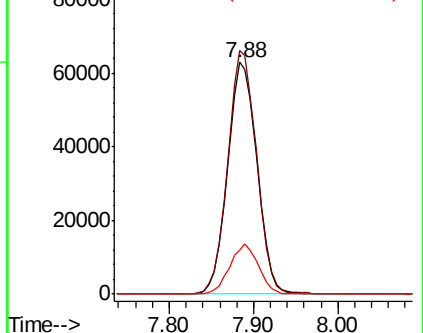
192 21.1 17.0 25.4

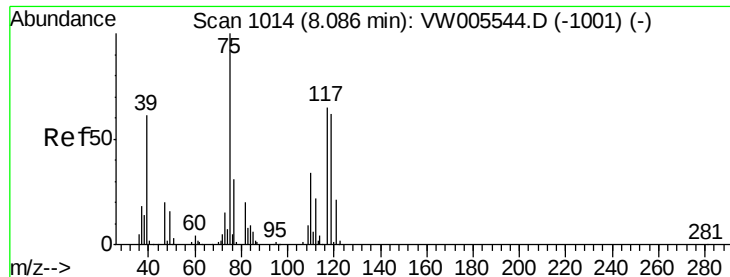


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

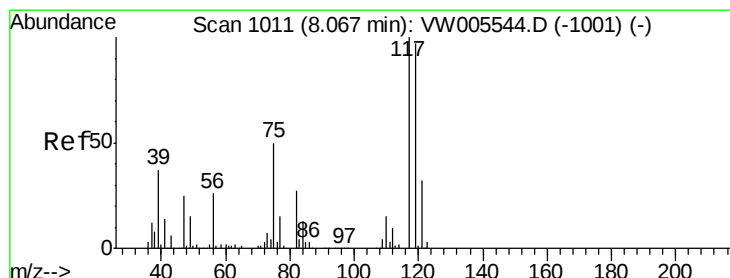
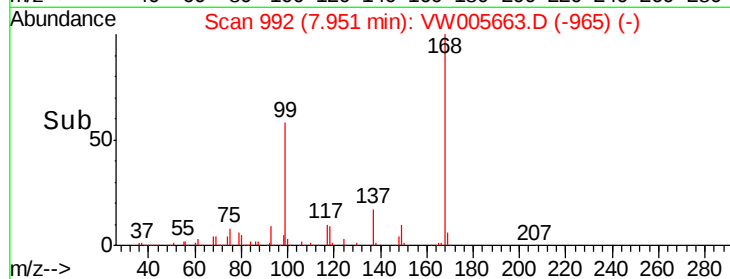
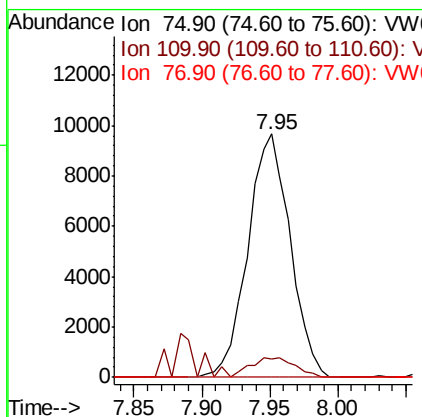
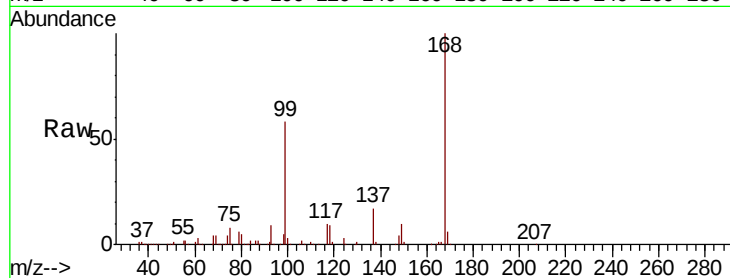




#36
 1,1-Dichloropropene
 Concen: 4.691 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005663.D
 Acq: 26 Sep 2018 19:50

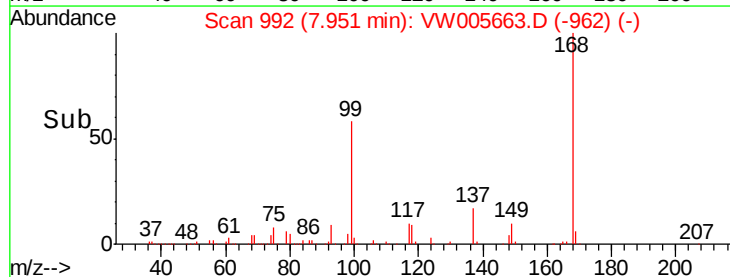
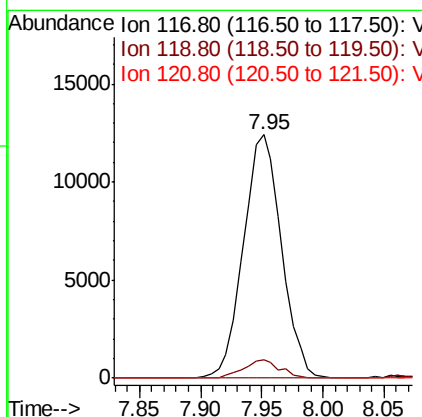
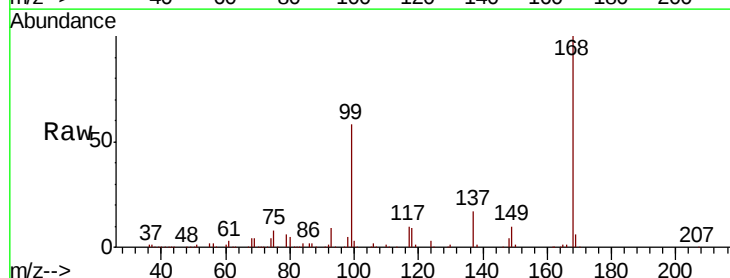
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-C

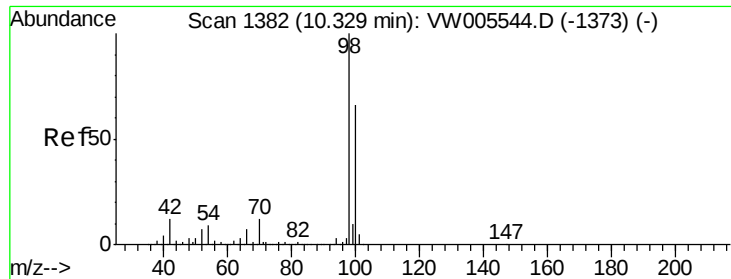
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.565 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005663.D
 Acq: 26 Sep 2018 19:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.3	77.6	116.4#
121	0.0	25.7	38.5#

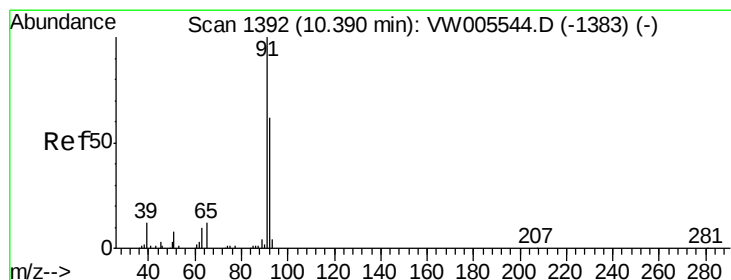
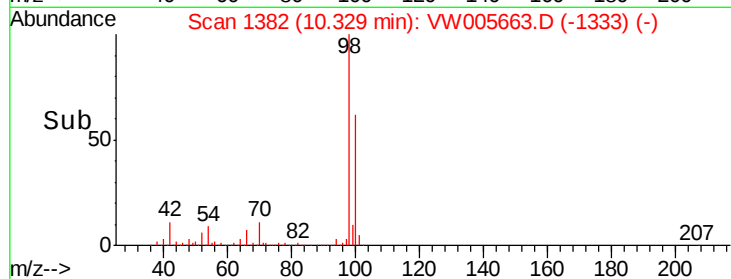
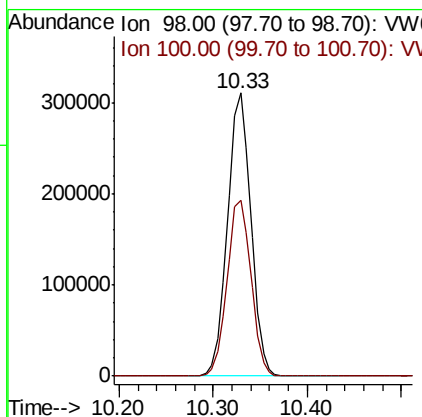
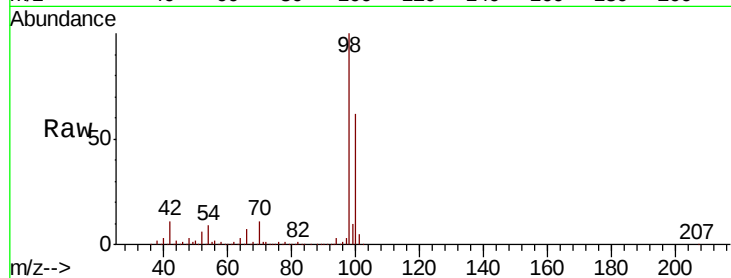




#50
Toluene-d8
Concen: 46.780 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005663.D
Acq: 26 Sep 2018 19:50

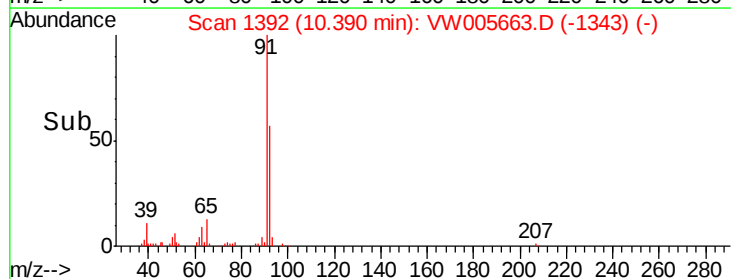
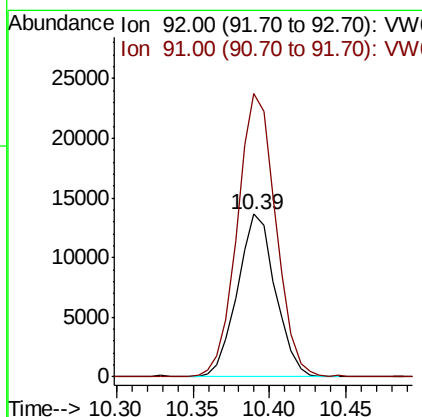
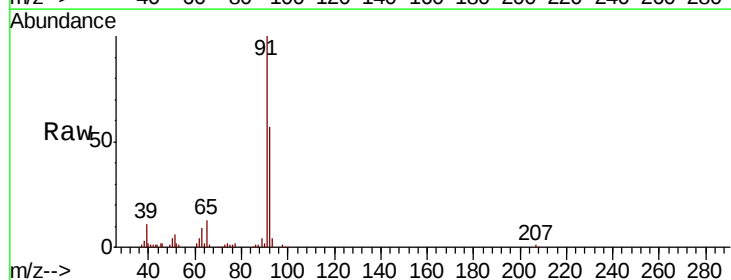
Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-C

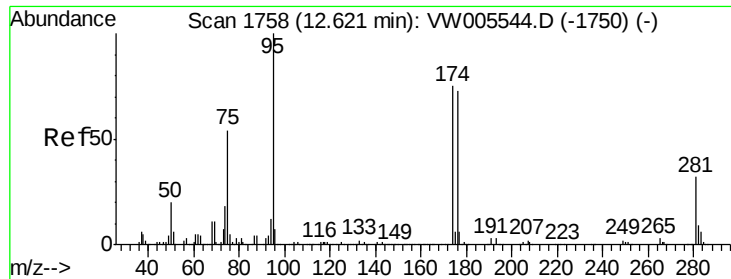
Tgt Ion: 98 Resp: 534247
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#52
Toluene
Concen: 2.953 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW005663.D
Acq: 26 Sep 2018 19:50

Tgt Ion: 92 Resp: 23442
Ion Ratio Lower Upper
92 100
91 176.8 137.1 205.7

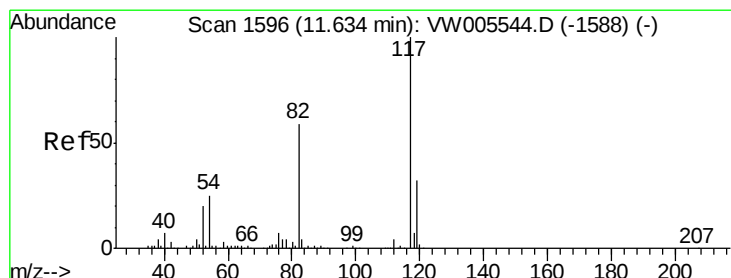
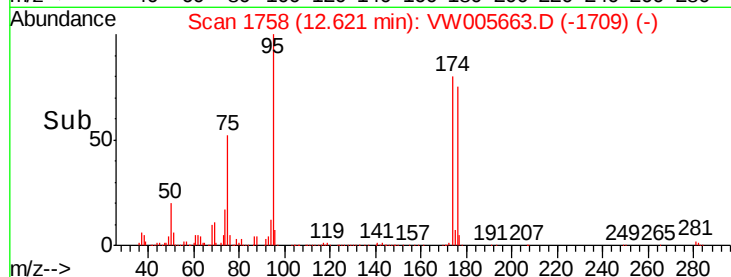
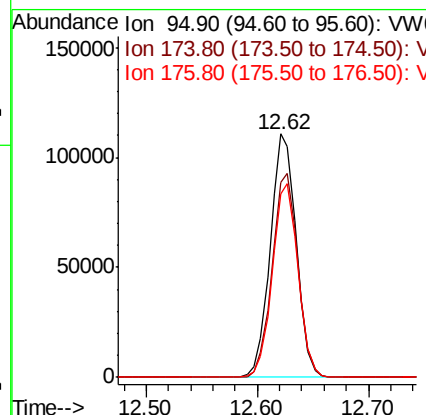
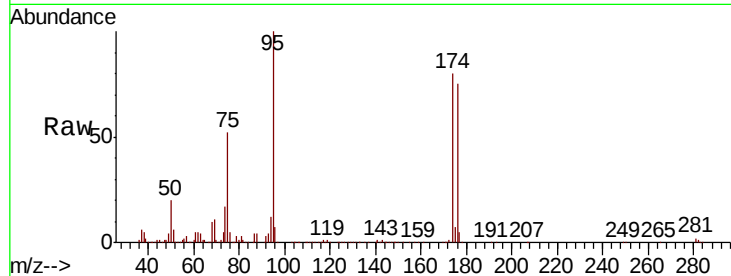




#62
4-Bromofluorobenzene
Concen: 42.541 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005663.D
Acq: 26 Sep 2018 19:50

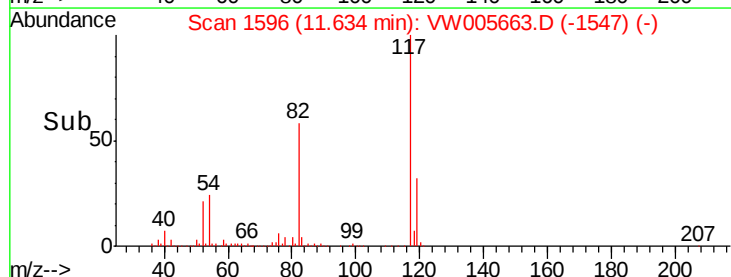
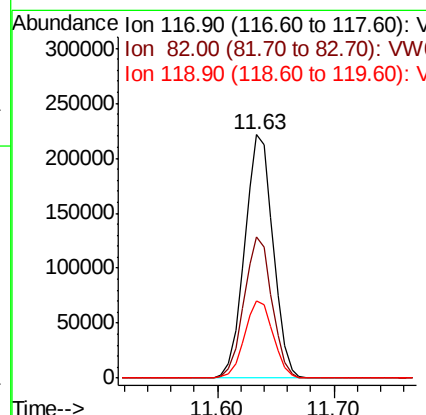
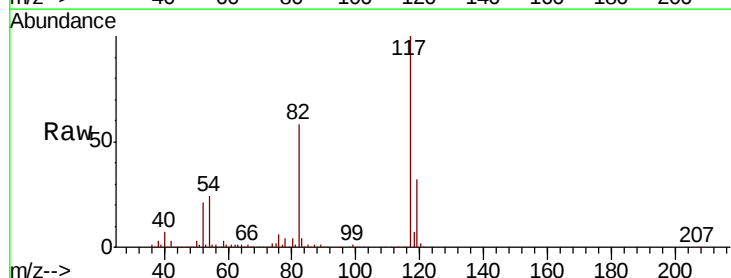
Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-C

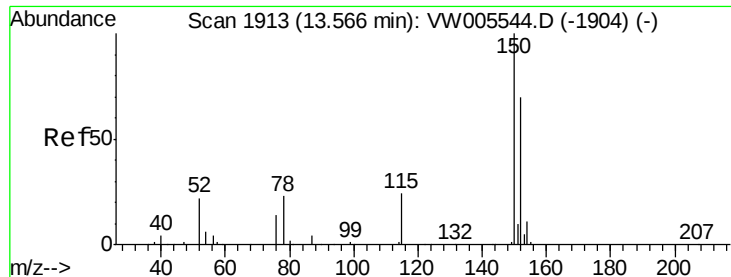
Tgt Ion: 95 Resp: 179773
Ion Ratio Lower Upper
95 100
174 83.3 0.0 163.8
176 78.5 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005663.D
Acq: 26 Sep 2018 19:50

Tgt Ion: 117 Resp: 375979
Ion Ratio Lower Upper
117 100
82 57.8 46.9 70.3
119 31.6 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: VW005663.D

Acq: 26 Sep 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-C

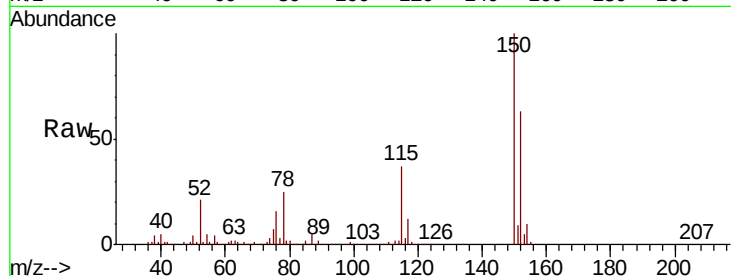
Tgt Ion:152 Resp: 166169

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

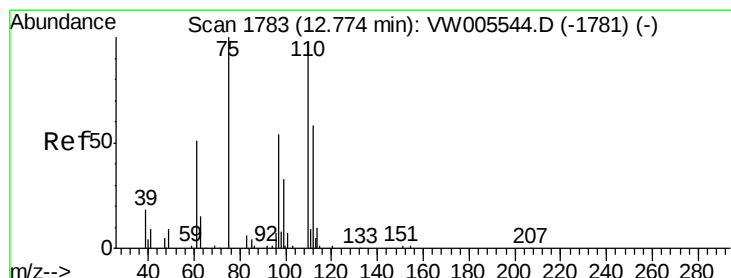
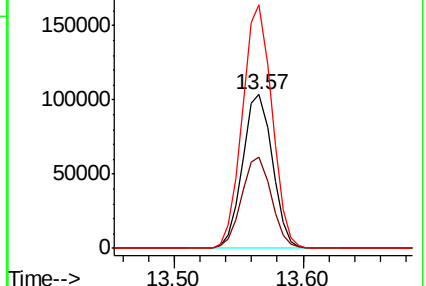
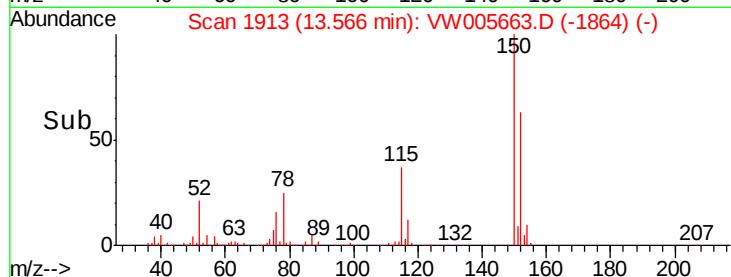
150 156.3 0.0 348.6



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: 64.703 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005663.D

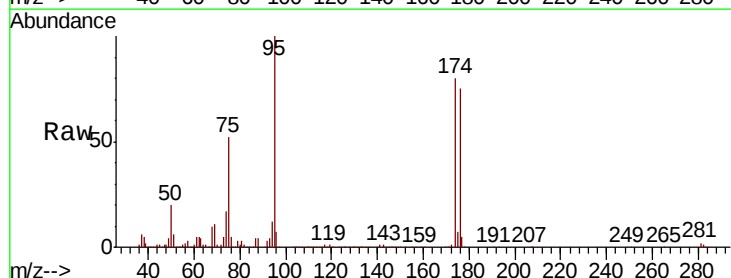
Acq: 26 Sep 2018 19:50

Tgt Ion: 75 Resp: 91650

Ion Ratio Lower Upper

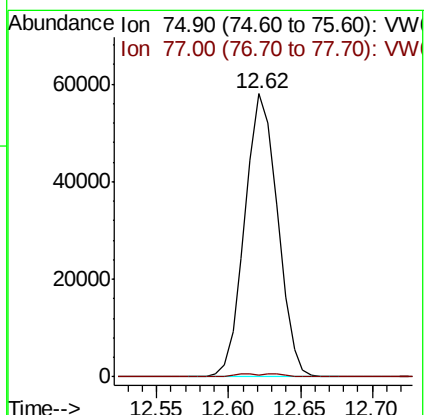
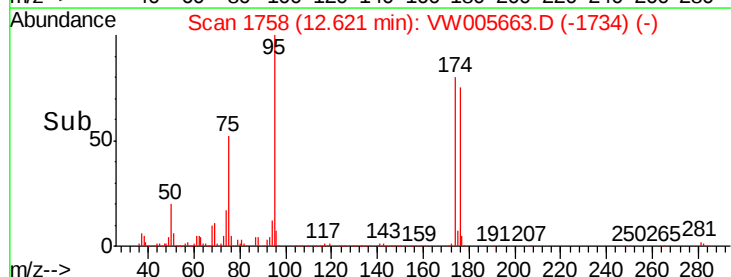
75 100

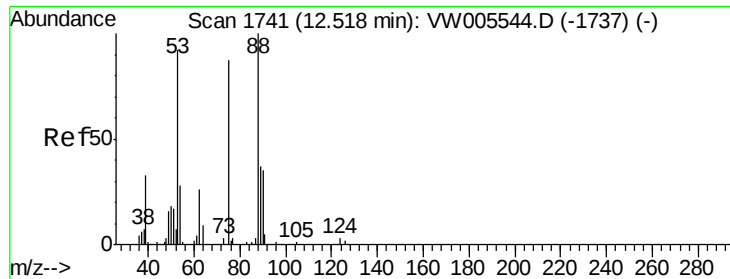
77 0.8 0.0 0.0#



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: 145.730 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005663.D

Acq: 26 Sep 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-C

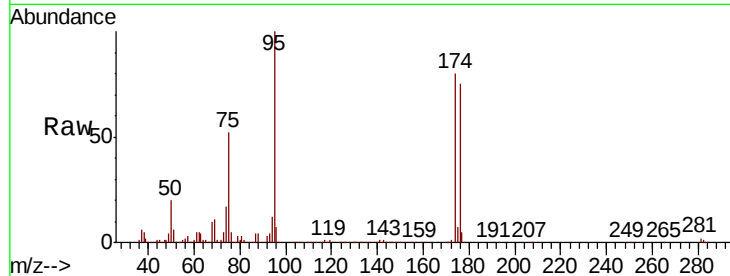
Tgt Ion: 75 Resp: 91650

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

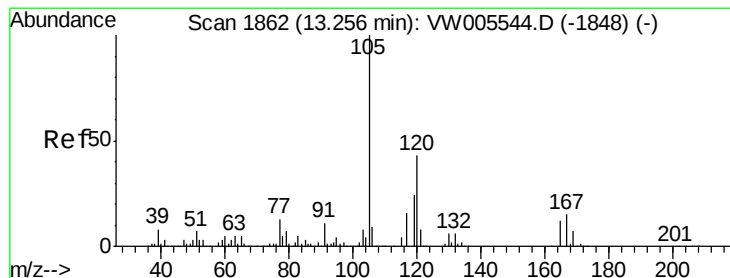
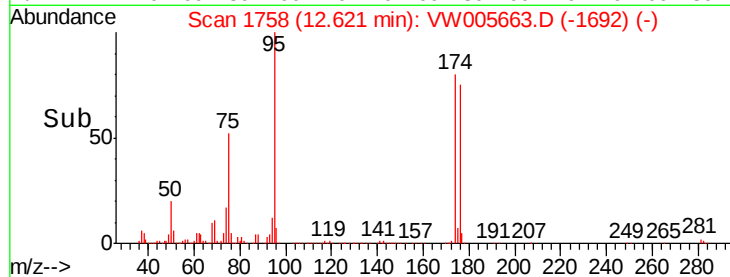
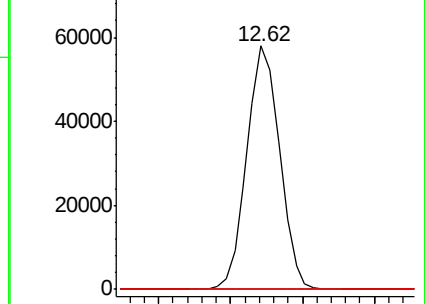
89 0.1 37.3 55.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.294 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW005663.D

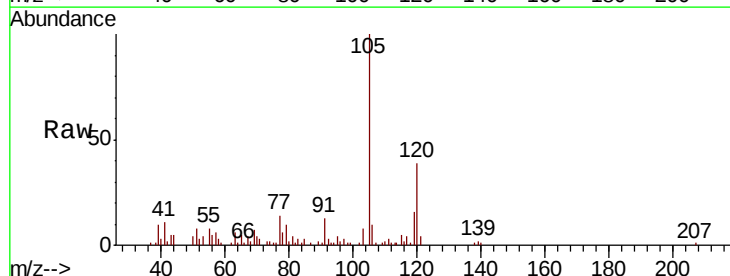
Acq: 26 Sep 2018 19:50

Tgt Ion: 105 Resp: 13081

Ion Ratio Lower Upper

105 100

120 42.4 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

