

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
 Data File : VW005618.D
 Acq On : 25 Sep 2018 18:19
 Operator : VA/AP
 Sample : J5066-08
 Misc : 4.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-F4

Quant Time: Sep 26 04:15:54 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	291954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	478141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	463706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	235147	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	173867	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	7.89	113	145013	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	10.33	98	568542	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
62) 4-Bromofluorobenzene	12.62	95	219401	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

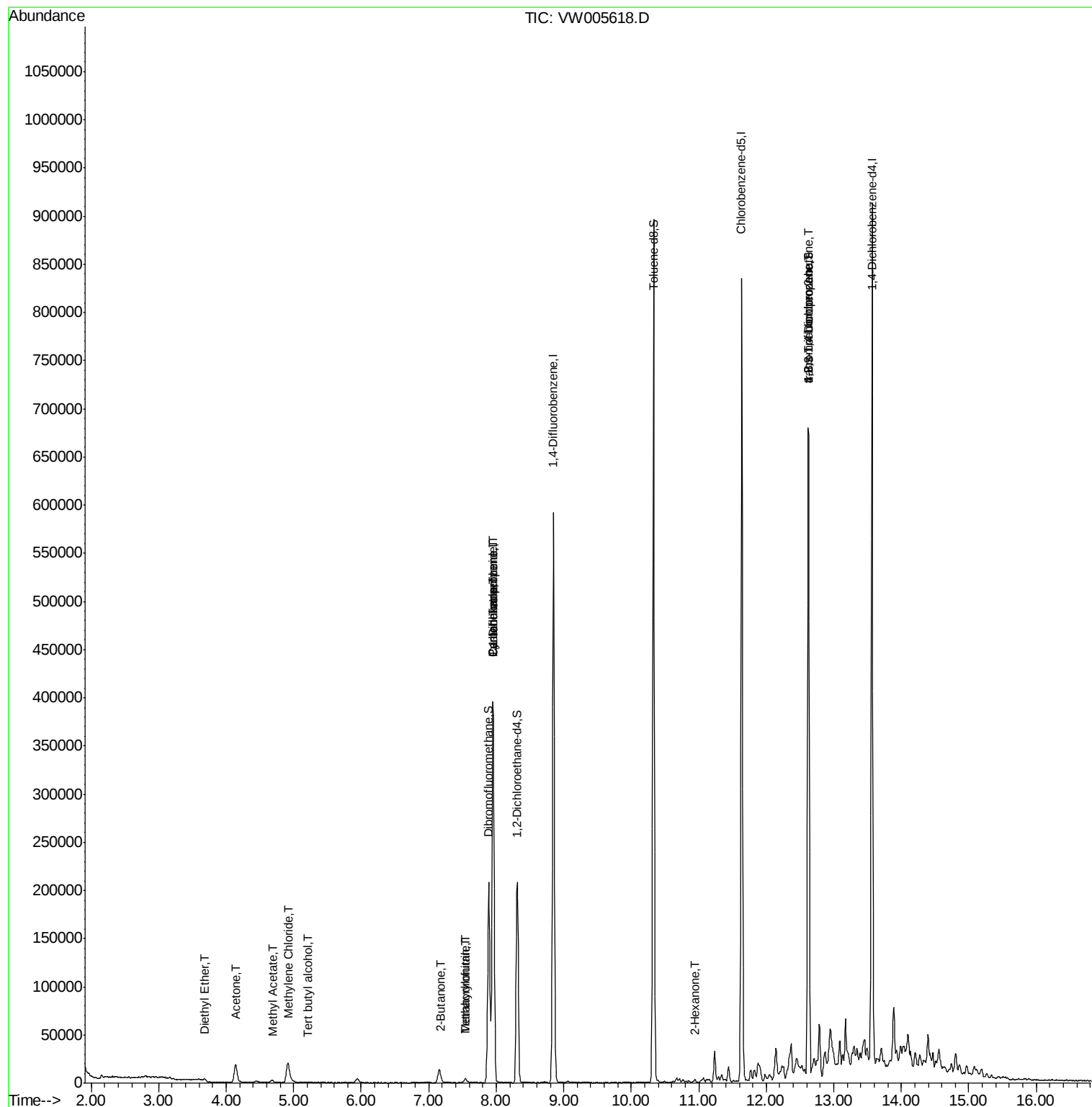
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	50	Below Cal	#	41
8) Diethyl Ether	3.68	74	1785	1.245	ug/l	72
11) Tert butyl alcohol	5.21	59	1438	5.781	ug/l #	76
16) Acetone	4.14	43	37545	62.354	ug/l	94
18) Methyl Acetate	4.68	43	5115	3.138	ug/l #	77
20) Methylene Chloride	4.91	84	17178	1.830	ug/l	98
25) 2-Butanone	7.18	43	3139	3.758	ug/l #	83
29) Tetrahydrofuran	7.54	42	3539	6.781	ug/l	98
31) Cyclohexane	7.95	56	6380	1.196	ug/l #	4
36) 1,1-Dichloropropene	7.96	75	23189	4.818	ug/l #	49
38) Carbon Tetrachloride	7.95	117	28992	5.621	ug/l #	16
41) Methacrylonitrile	7.54	41	2370	2.056	ug/l #	49
59) 2-Hexanone	10.94	43	1381	1.014	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	114198	56.972	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	114198	128.317	ug/l #	7

(#) = 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: VW005618.D

Acq: 25 Sep 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

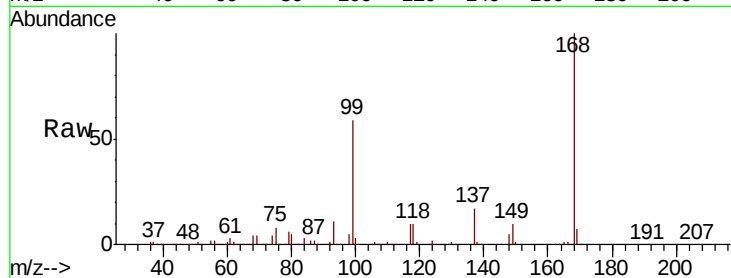
EP1-Q1-F4

Tgt Ion:168 Resp: 291954

Ion Ratio Lower Upper

168 100

99 58.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

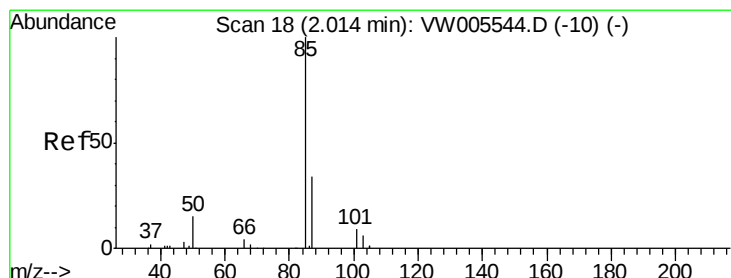
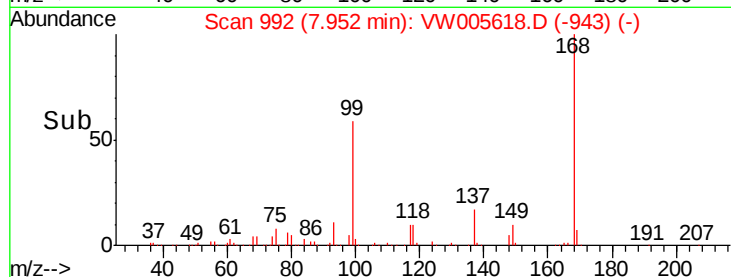
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005618.D

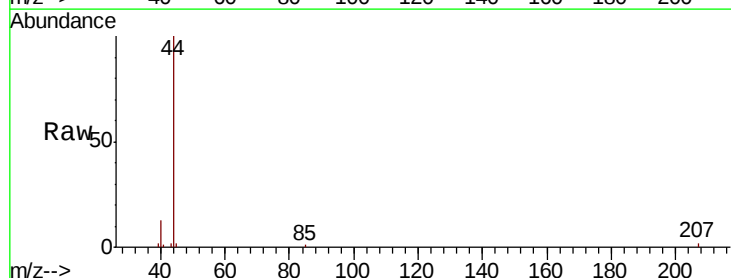
Acq: 25 Sep 2018 18:19

Tgt Ion: 85 Resp: 50

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

2.02

80

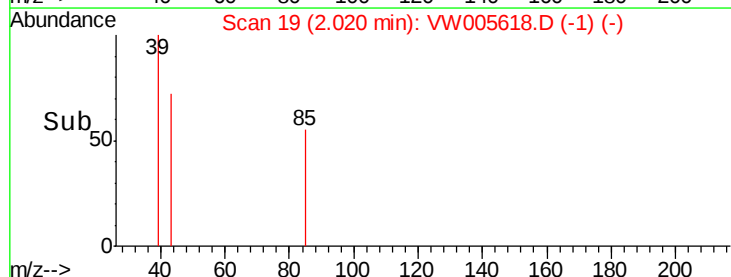
60

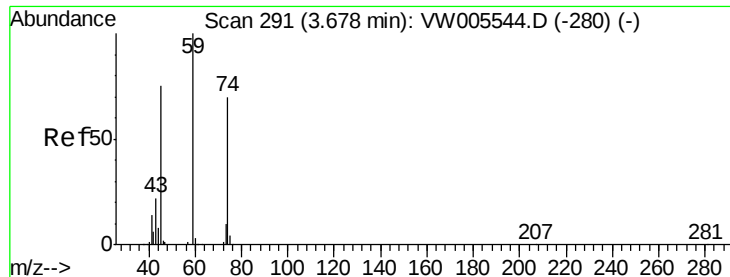
40

20

0

Time--> 2.00 2.02 2.04





#8

Diethyl Ether

Concen: 1.245 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005618.D

Acq: 25 Sep 2018 18:19

Instrument :

MSVOA_W

ClientSampled :

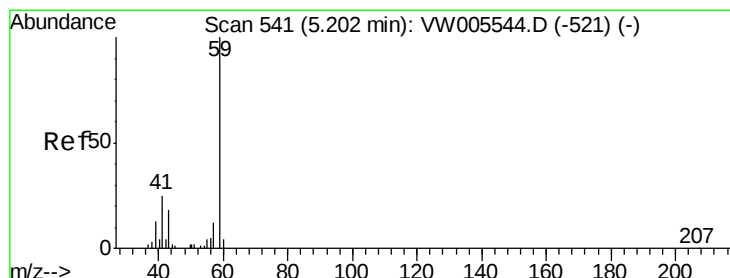
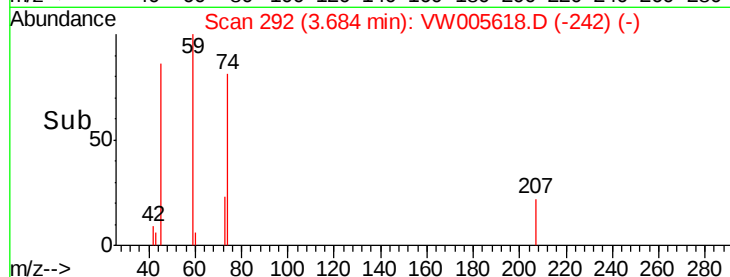
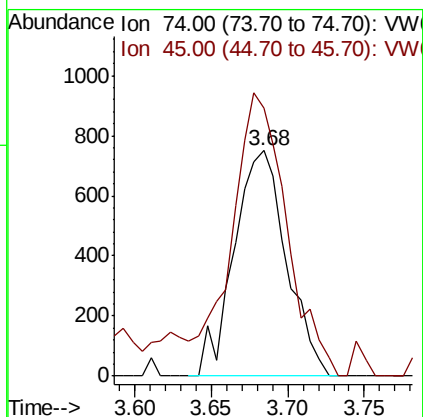
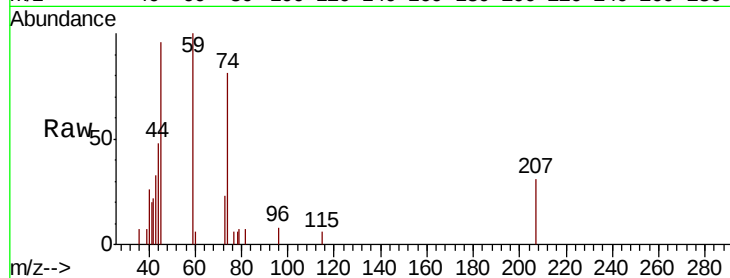
EP1-Q1-F4

Tgt Ion: 74 Resp: 1785

Ion Ratio Lower Upper

74 100

45 132.3 51.7 155.2



#11

Tert butyl alcohol

Concen: 5.781 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.01 min

Lab File: VW005618.D

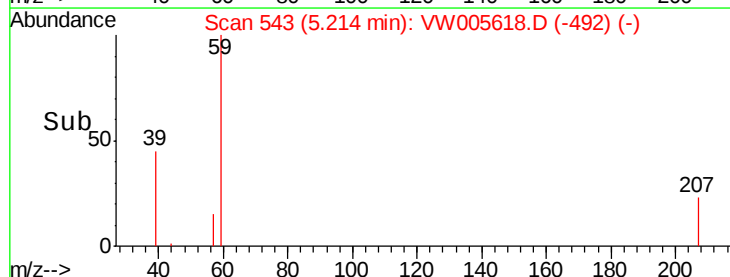
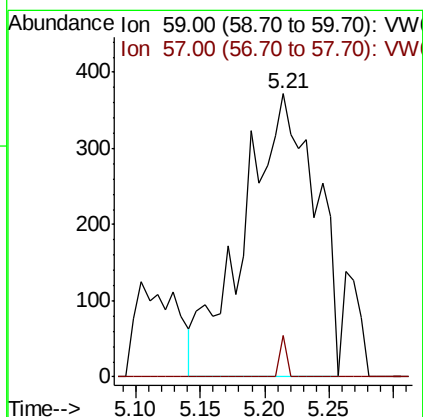
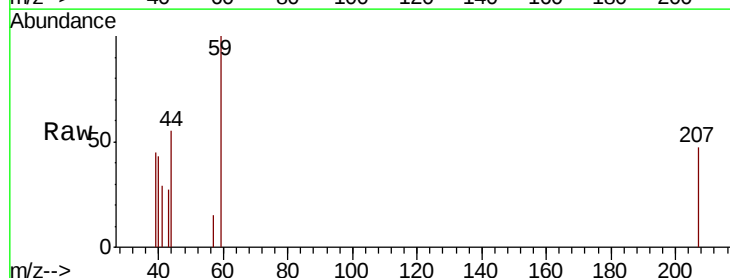
Acq: 25 Sep 2018 18:19

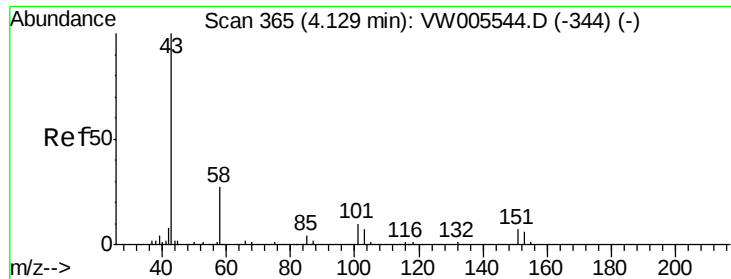
Tgt Ion: 59 Resp: 1438

Ion Ratio Lower Upper

59 100

57 1.4 8.3 12.5#

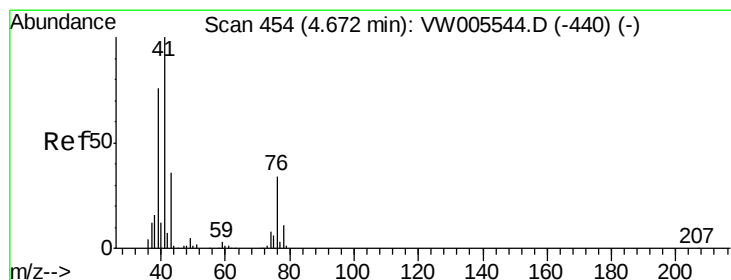
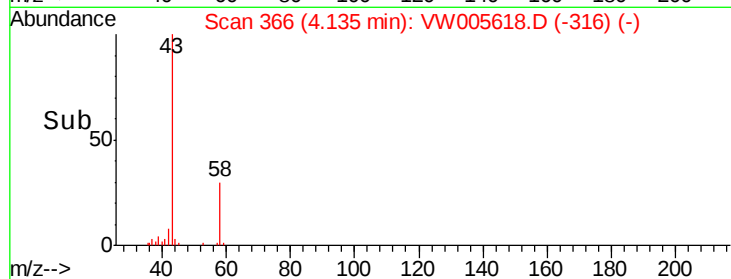
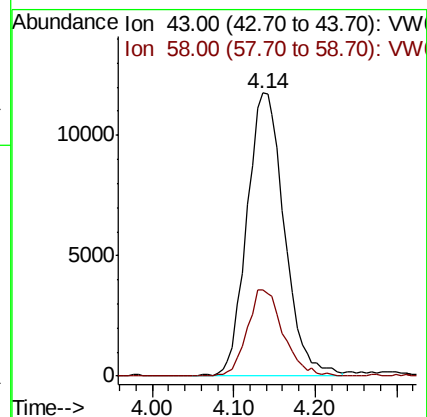
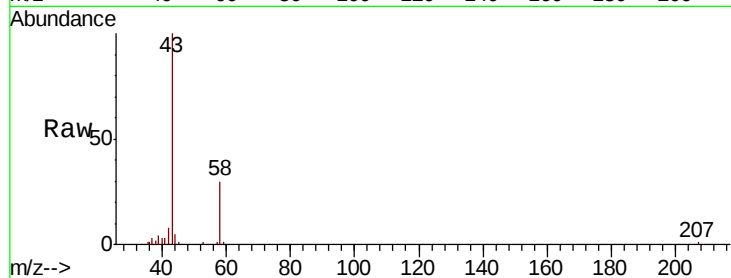




#16
Acetone
Concen: 62.354 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW005618.D
Acq: 25 Sep 2018 18:19

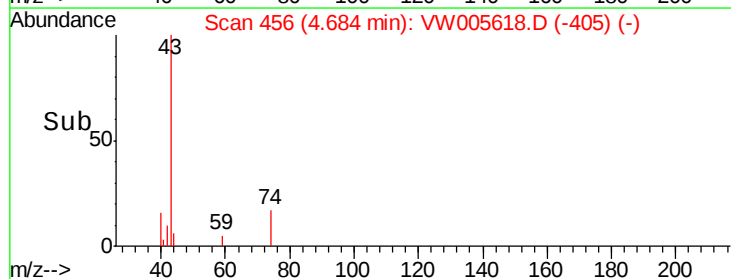
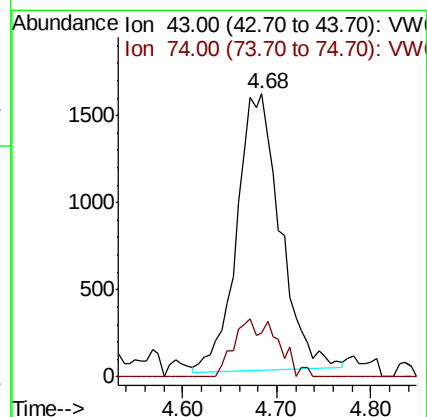
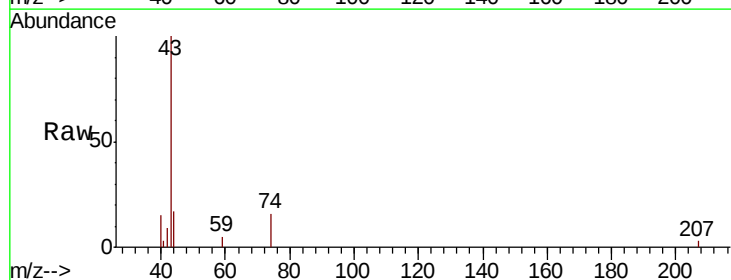
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-F4

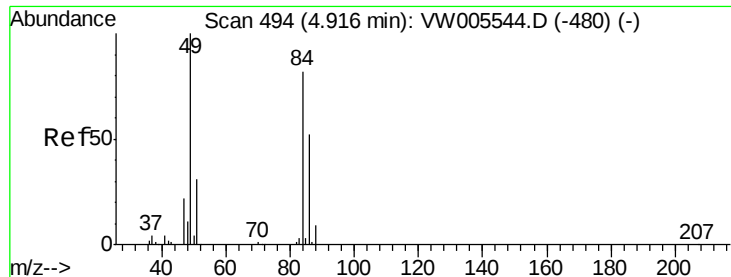
Tgt Ion: 43 Resp: 37545
Ion Ratio Lower Upper
43 100
58 30.3 21.8 32.8



#18
Methyl Acetate
Concen: 3.138 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005618.D
Acq: 25 Sep 2018 18:19

Tgt Ion: 43 Resp: 5115
Ion Ratio Lower Upper
43 100
74 12.7 19.2 28.8#





#20

Methylene Chloride

Concen: 1.830 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005618.D

Acq: 25 Sep 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-F4

Tgt Ion: 84 Resp: 17178

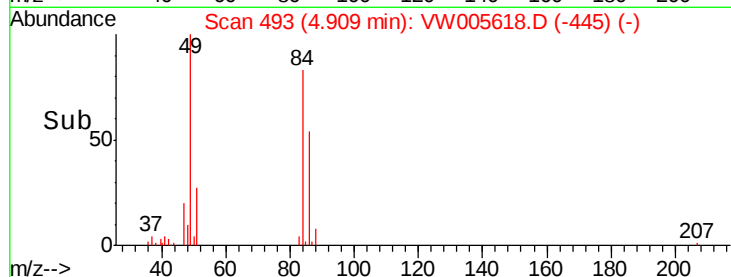
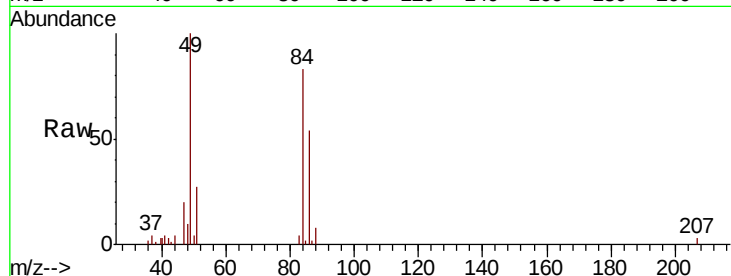
Ion Ratio Lower Upper

84 100

49 120.8 97.0 145.6

51 32.6 30.2 45.2

86 64.7 50.2 75.4

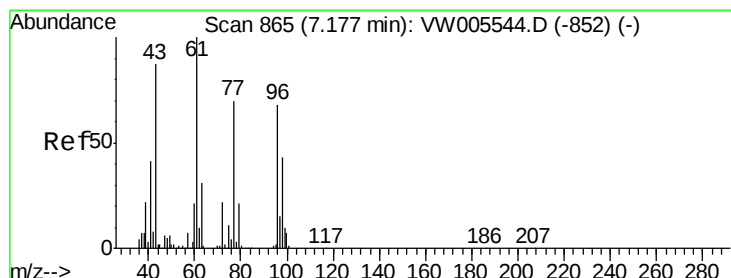
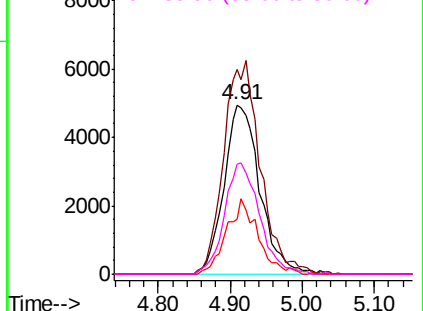


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.758 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005618.D

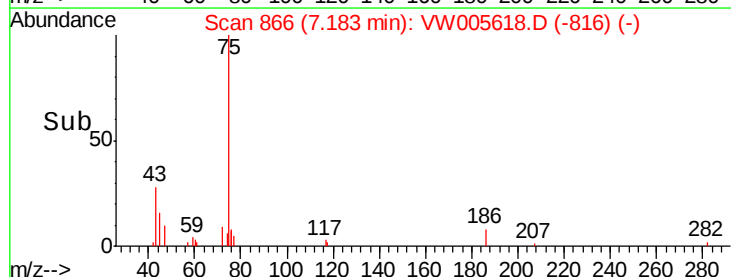
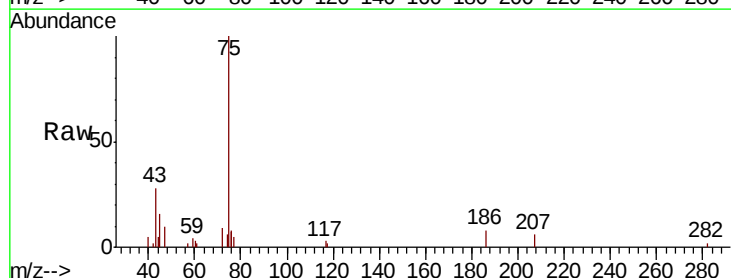
Acq: 25 Sep 2018 18:19

Tgt Ion: 43 Resp: 3139

Ion Ratio Lower Upper

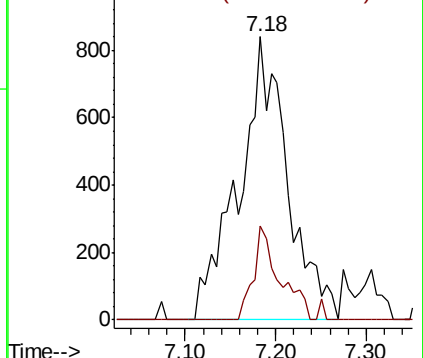
43 100

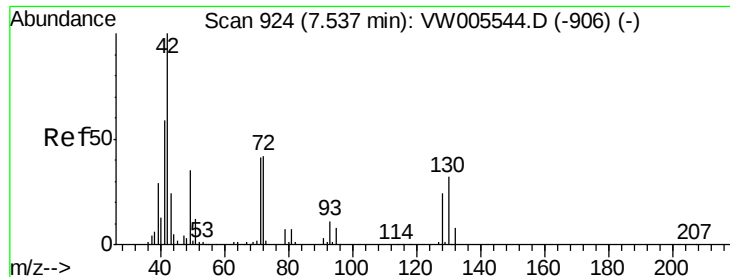
72 33.3 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

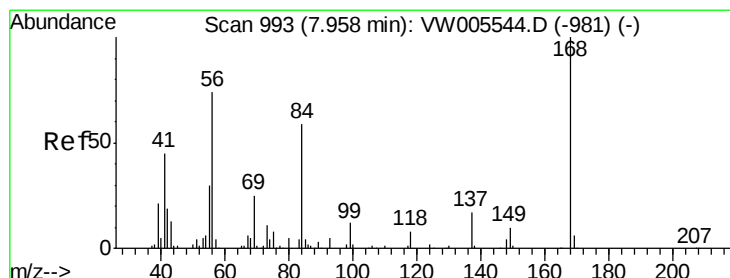
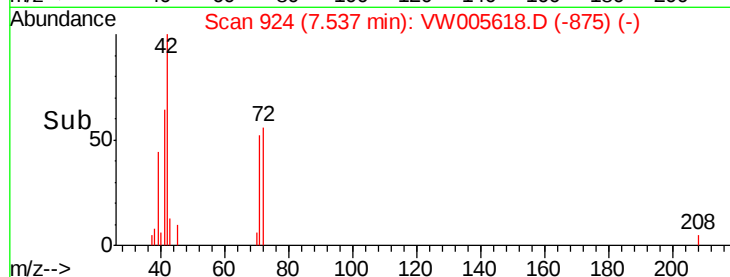
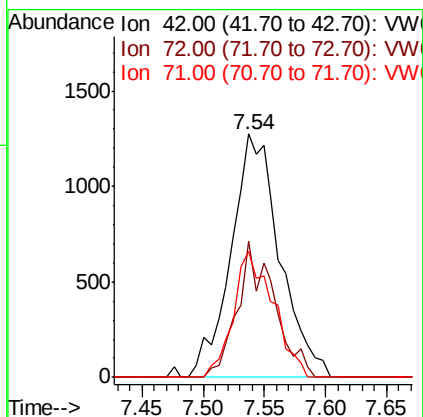
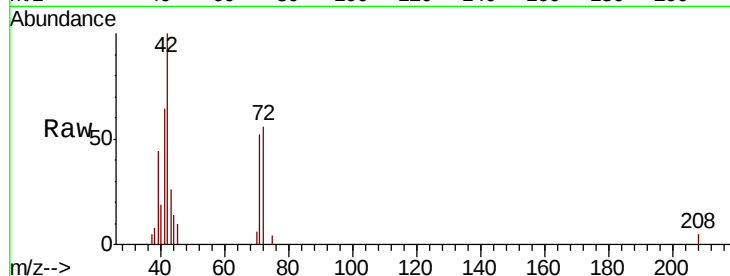




#29
Tetrahydrofuran
Concen: 6.781 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005618.D
Acq: 25 Sep 2018 18:19

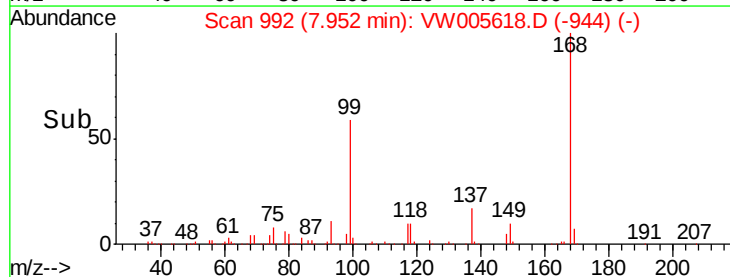
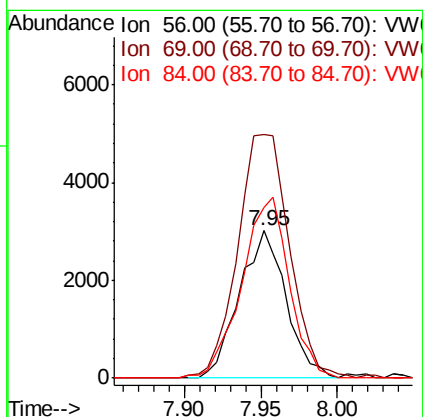
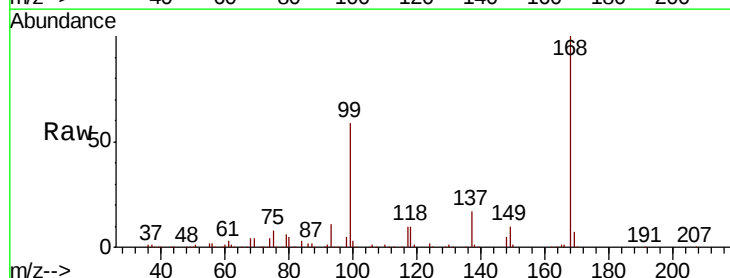
Instrument :
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EP1-Q1-F4

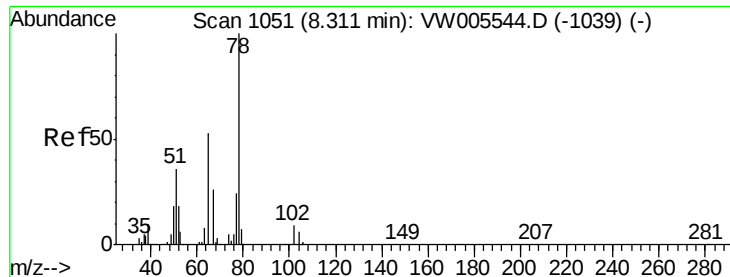
Tgt Ion: 42 Resp: 3539
Ion Ratio Lower Upper
42 100
72 42.2 33.6 50.4
71 42.0 31.8 47.6



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005618.D
Acq: 25 Sep 2018 18:19

Tgt Ion: 56 Resp: 6380
Ion Ratio Lower Upper
56 100
69 163.7 27.0 40.4#
84 115.8 64.2 96.4#

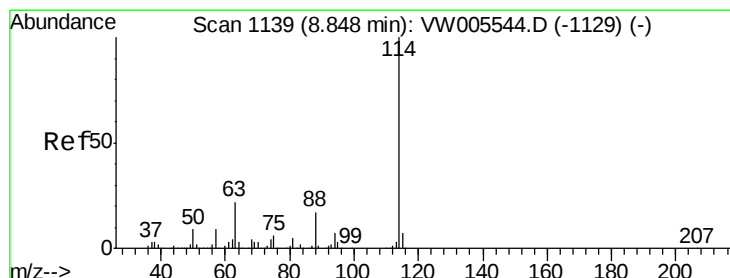
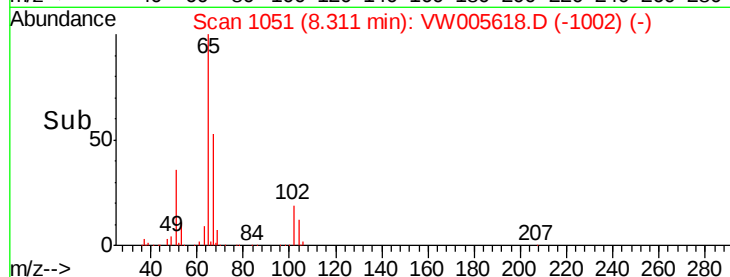
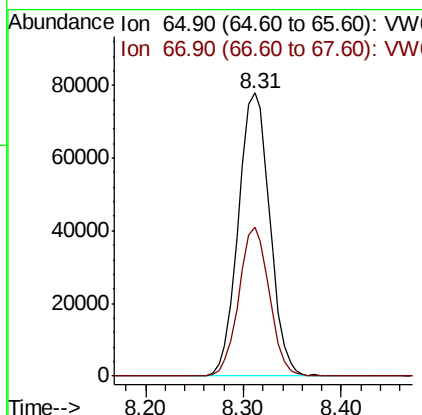
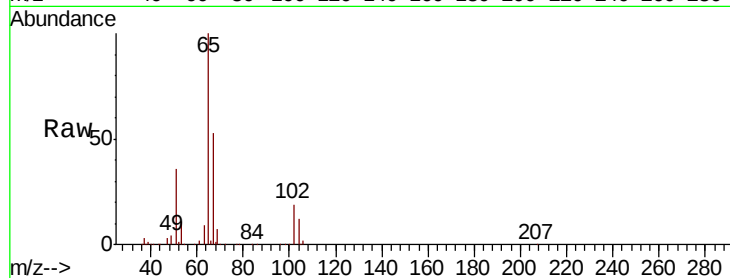




#33
 1,2-Dichloroethane-d4
 Concen: 50.551 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005618.D
 Acq: 25 Sep 2018 18:19

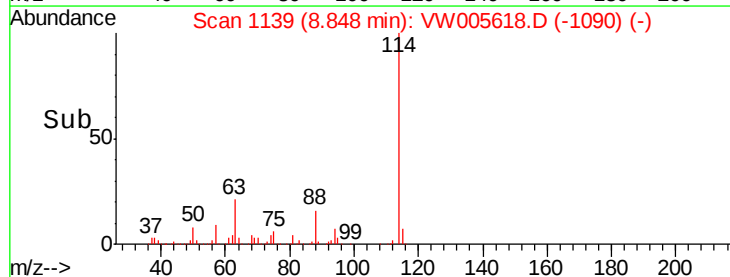
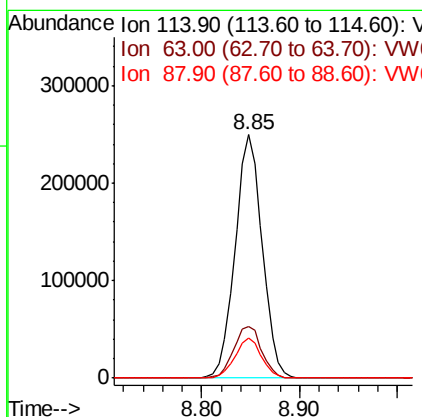
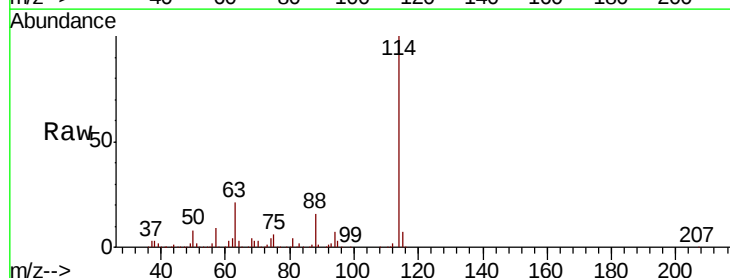
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 ClientSampleId :
 EP1-Q1-F4

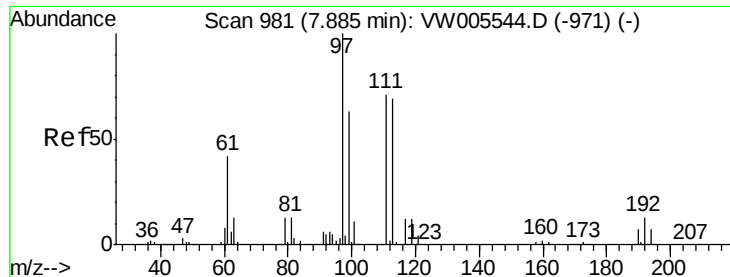
Tgt Ion: 65 Resp: 173867
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005618.D
 Acq: 25 Sep 2018 18:19

Tgt Ion: 114 Resp: 478141
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 16.4 0.0 33.0

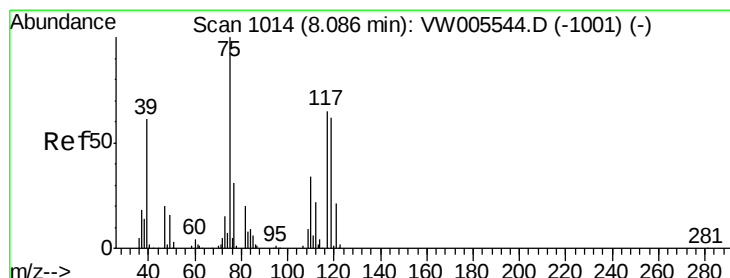
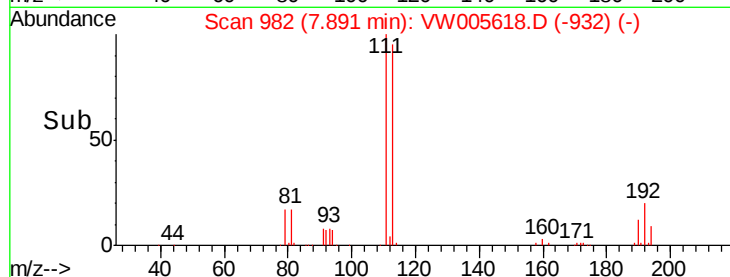
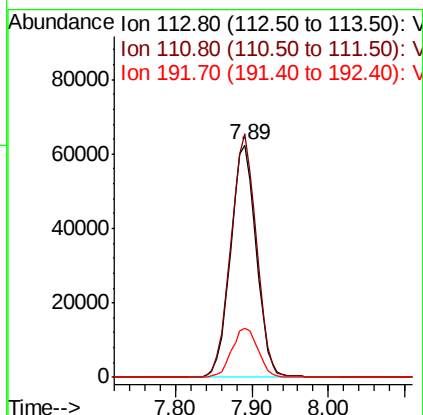
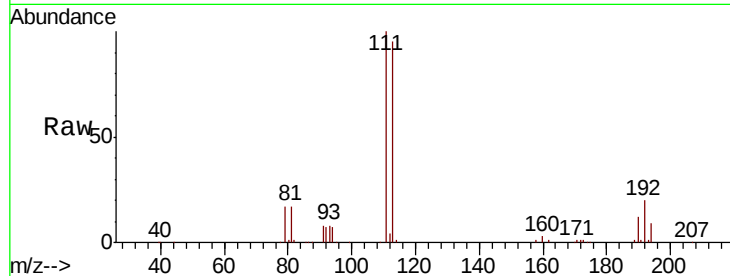




#35
 Dibromofluoromethane
 Concen: 48.228 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005618.D
 Acq: 25 Sep 2018 18:19

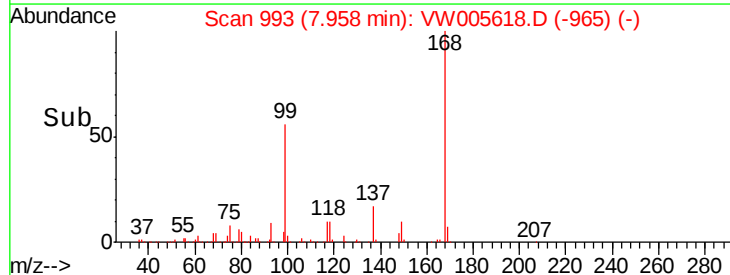
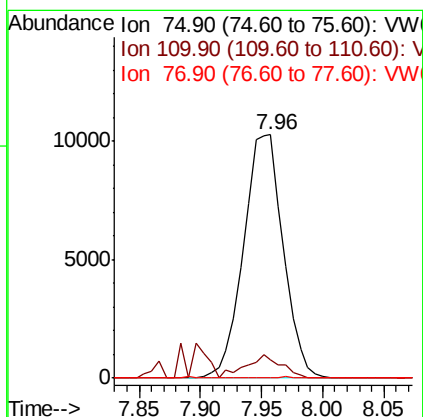
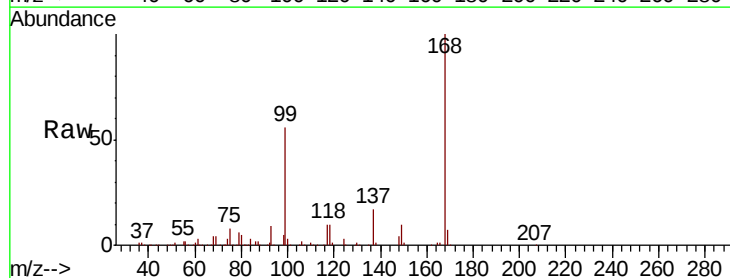
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-F4

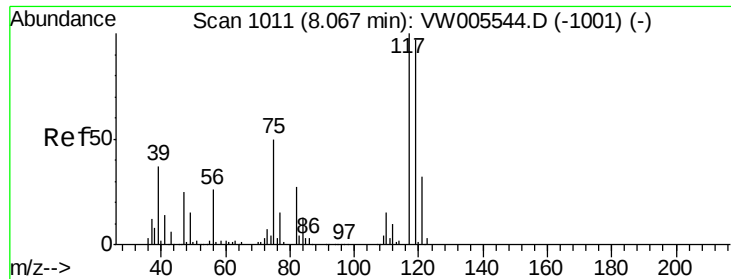
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.6	123.8
192	21.6	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.818 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005618.D
 Acq: 25 Sep 2018 18:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.0	50.9#
77	0.1	24.8	37.2#

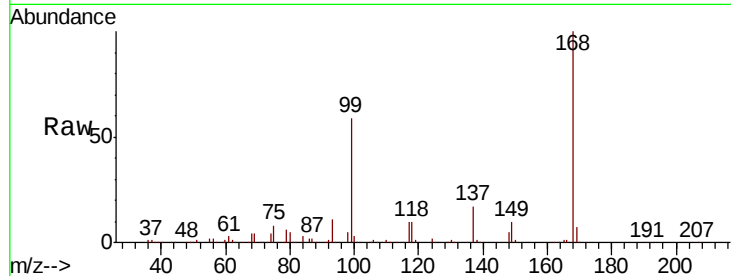




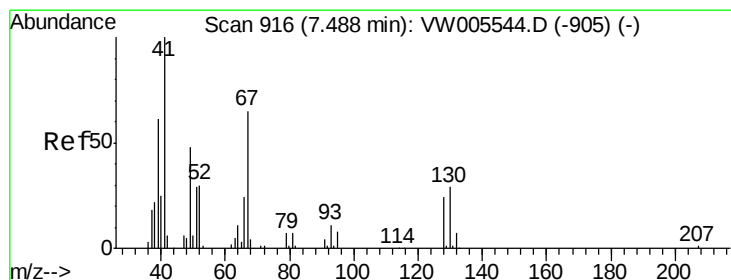
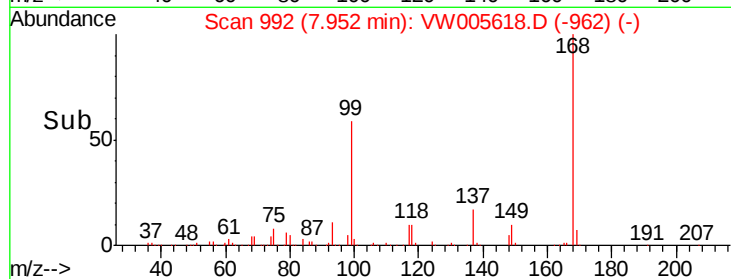
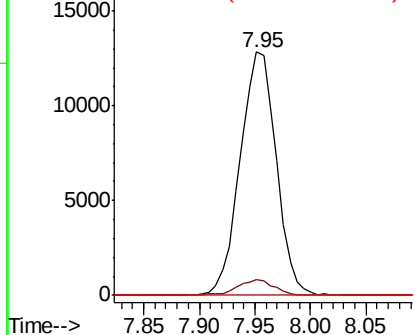
#38
Carbon Tetrachloride
Concen: 5.621 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005618.D
Acq: 25 Sep 2018 18:19

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-F4

Tgt Ion: 117 Resp: 28992
Ion Ratio Lower Upper
117 100
119 6.4 77.6 116.4#
121 0.0 25.7 38.5#

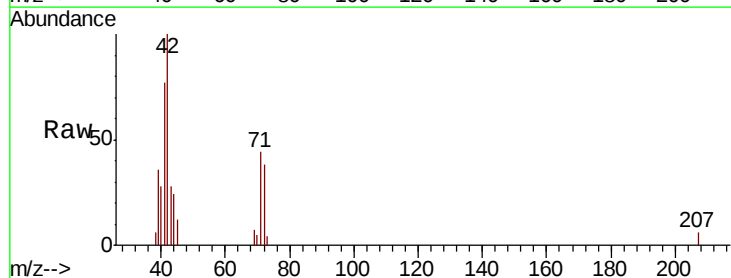


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

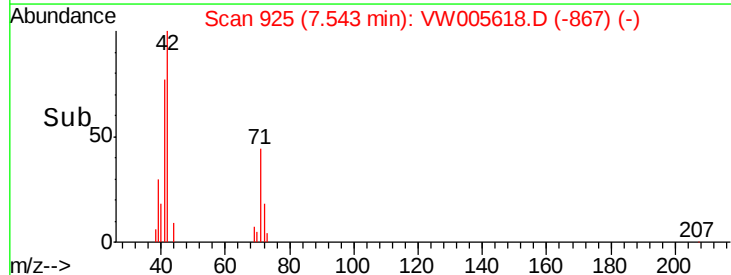
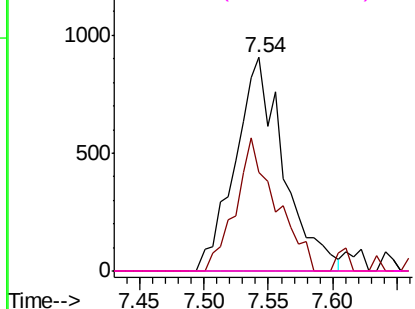


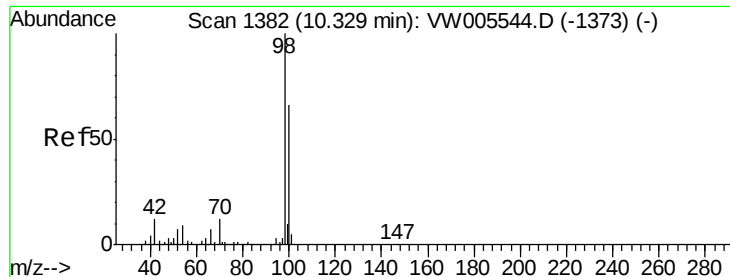
#41
Methacrylonitrile
Concen: 2.056 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.05 min
Lab File: VW005618.D
Acq: 25 Sep 2018 18:19

Tgt Ion: 41 Resp: 2370
Ion Ratio Lower Upper
41 100
39 52.0 45.4 68.2
67 0.0 55.2 82.8#
52 0.0 25.3 37.9#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 46.437 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005618.D

Acq: 25 Sep 2018 18:19

Instrument :

MSVOA_W

ClientSampled :

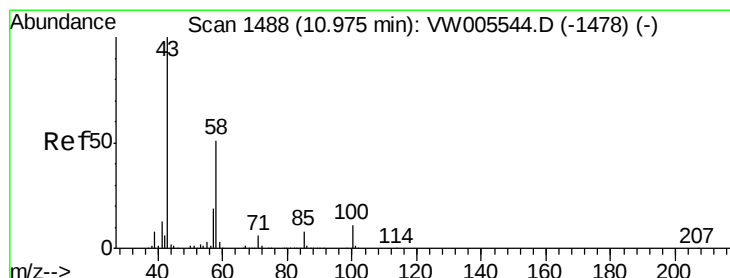
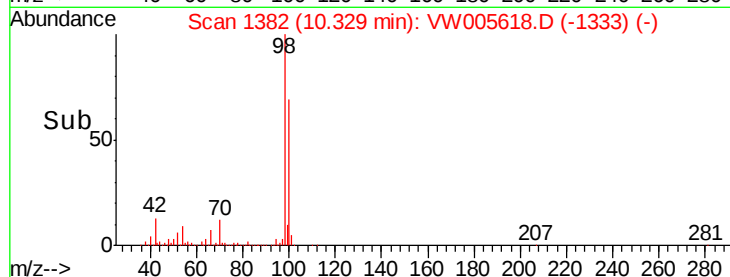
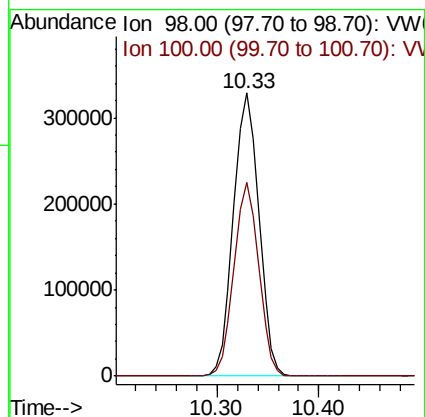
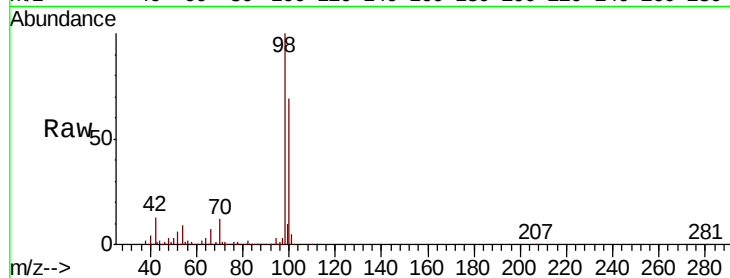
EP1-Q1-F4

Tgt Ion: 98 Resp: 568542

Ion Ratio Lower Upper

98 100

100 66.5 51.6 77.4



#59

2-Hexanone

Concen: 1.014 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.04 min

Lab File: VW005618.D

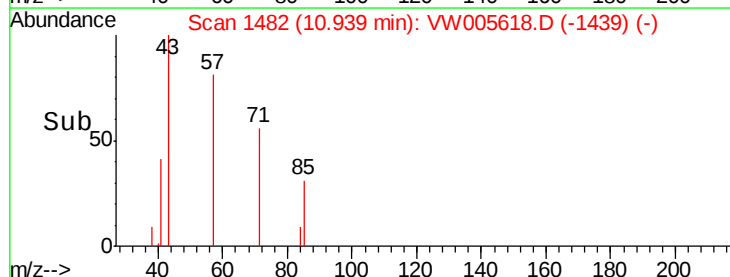
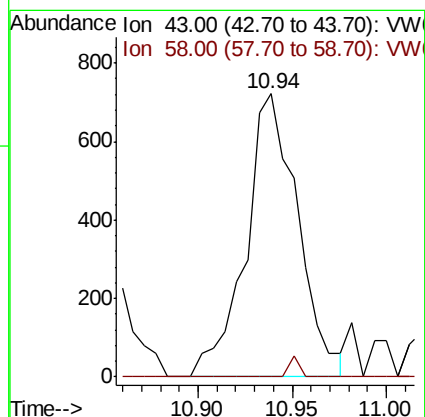
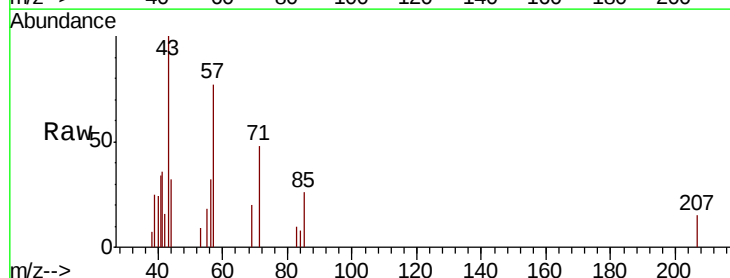
Acq: 25 Sep 2018 18:19

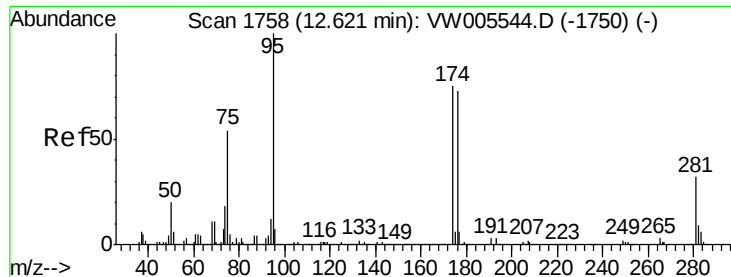
Tgt Ion: 43 Resp: 1381

Ion Ratio Lower Upper

43 100

58 1.4 25.3 75.9#

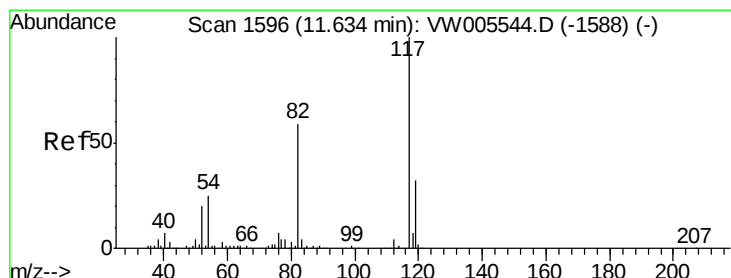
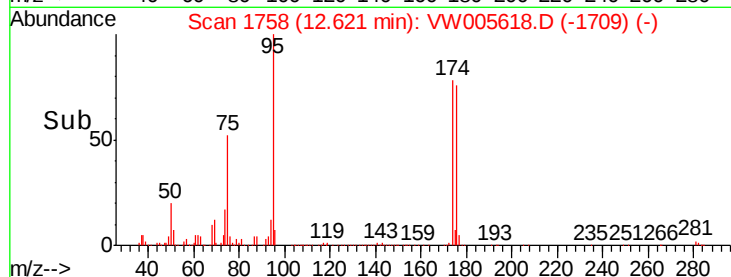
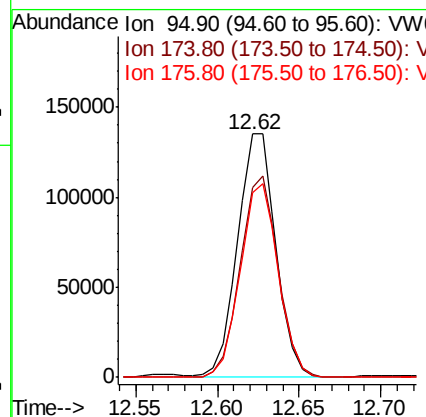
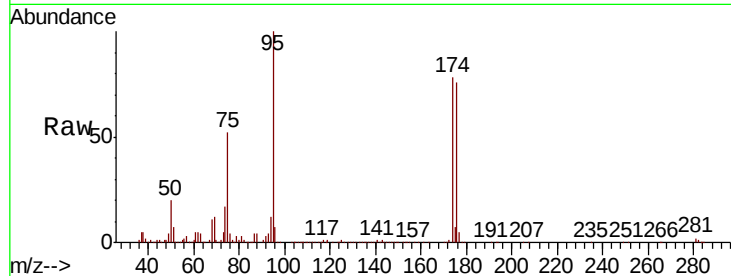




#62
4-Bromofluorobenzene
Concen: 48.430 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005618.D
Acq: 25 Sep 2018 18:19

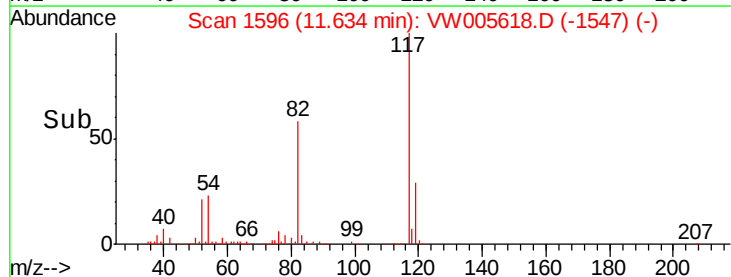
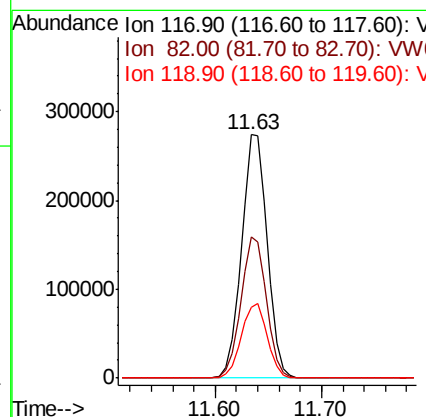
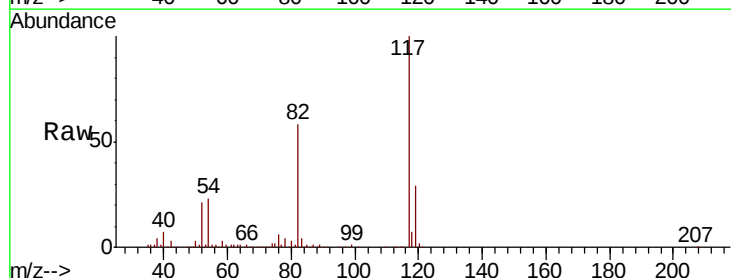
Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-F4

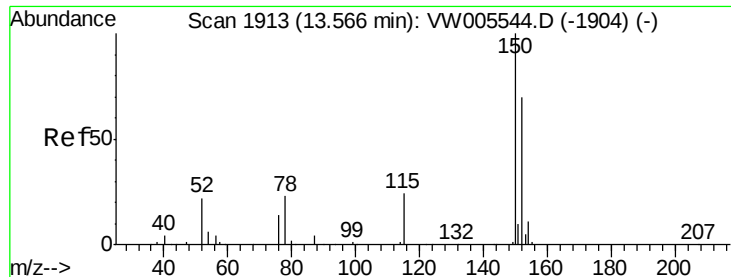
Tgt Ion: 95 Resp: 219401
Ion Ratio Lower Upper
95 100
174 82.2 0.0 163.8
176 79.3 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005618.D
Acq: 25 Sep 2018 18:19

Tgt Ion: 117 Resp: 463706
Ion Ratio Lower Upper
117 100
82 58.2 46.9 70.3
119 29.2 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: VW005618.D

Acq: 25 Sep 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-F4

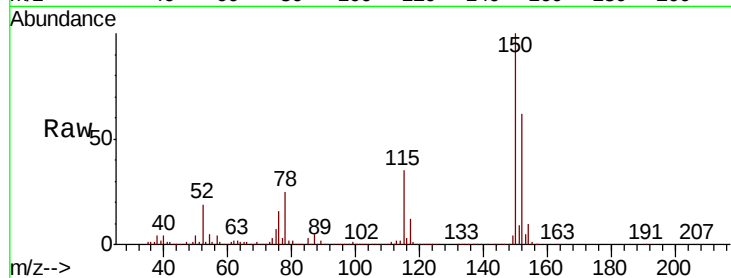
Tgt Ion:152 Resp: 235147

Ion Ratio Lower Upper

152 100

115 57.6 30.0 90.0

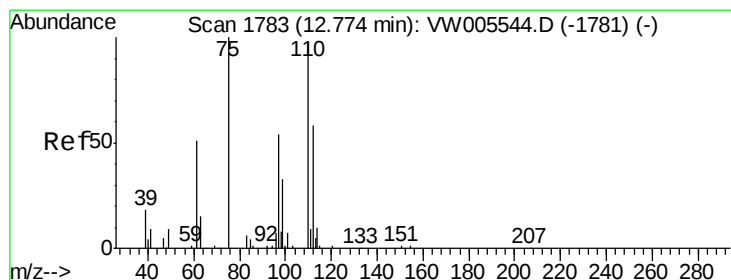
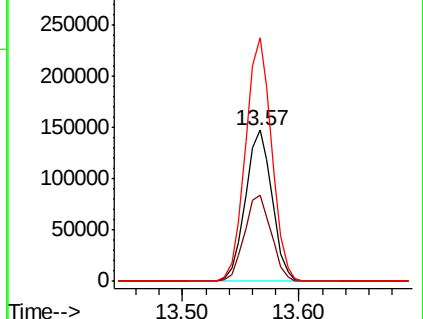
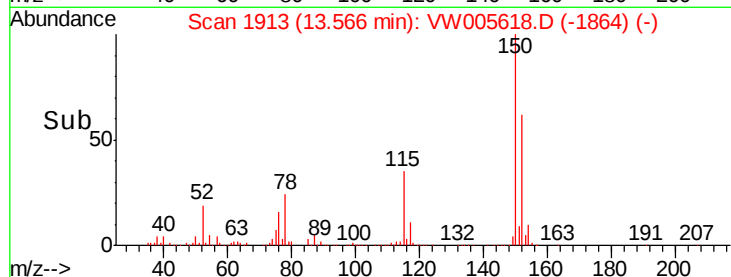
150 158.2 0.0 348.6



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: 56.972 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005618.D

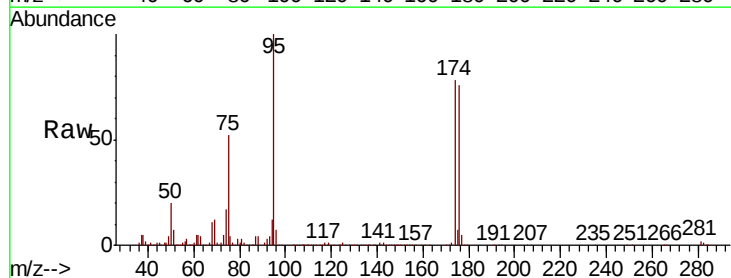
Acq: 25 Sep 2018 18:19

Tgt Ion: 75 Resp: 114198

Ion Ratio Lower Upper

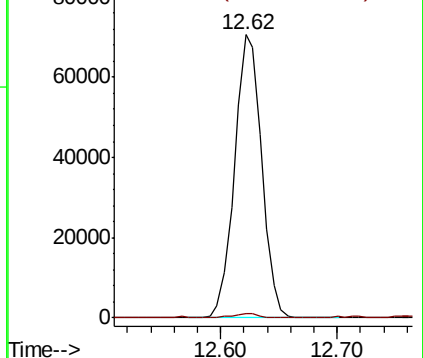
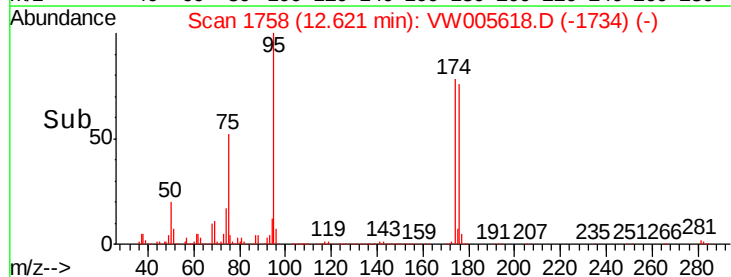
75 100

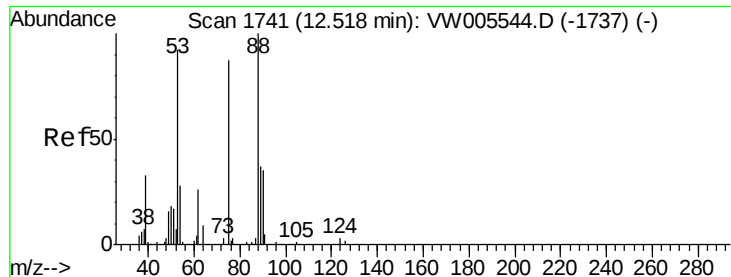
77 1.6 0.0 0.0#



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: 128.317 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005618.D

Acq: 25 Sep 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-F4

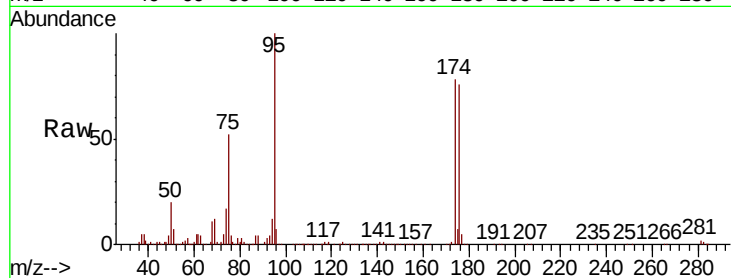
Tgt Ion: 75 Resp: 114198

Ion Ratio Lower Upper

75 100

53 0.4 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

