

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
 Data File : VW005617.D
 Acq On : 25 Sep 2018 17:53
 Operator : VA/AP
 Sample : J5066-07
 Misc : 5.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-F3

Quant Time: Sep 26 04:15:43 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	260904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	420178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	176515	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	171721	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
35) Dibromofluoromethane	7.88	113	141425	53.52	ug/l	0.00
Spiked Amount			Recovery	=	107.04%	
50) Toluene-d8	10.33	98	428263	39.80	ug/l	0.00
Spiked Amount			Recovery	=	79.60%	
62) 4-Bromofluorobenzene	12.62	95	185912	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	

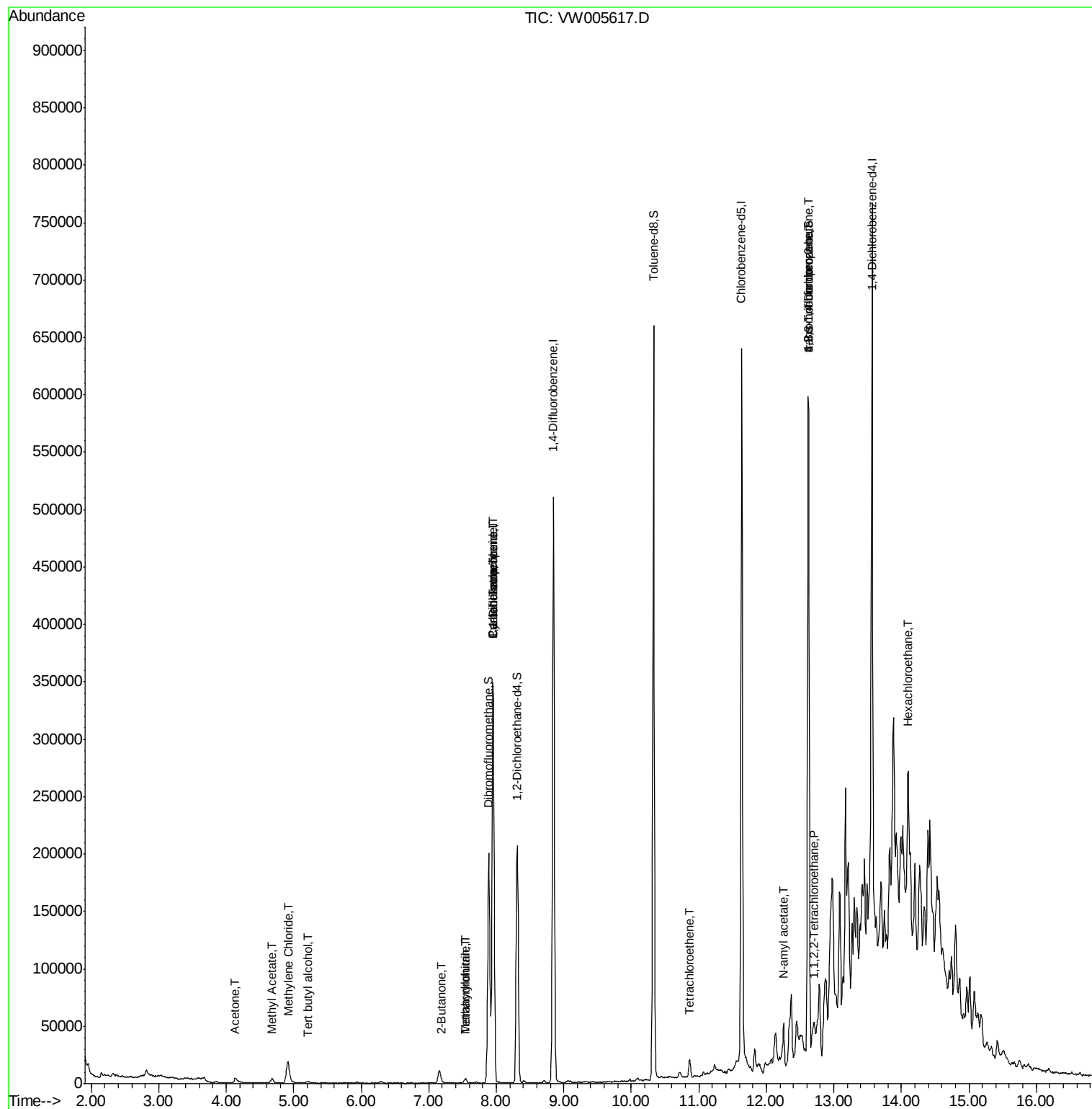
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	96	Below Cal	#	41
11) Tert butyl alcohol	5.21	59	2903	16.073	ug/l #	83
13) Acrolein	4.04	56	27	Below Cal	#	13
16) Acetone	4.14	43	8557	8.597	ug/l	95
18) Methyl Acetate	4.68	43	7968	5.470	ug/l	91
20) Methylene Chloride	4.91	84	15682	1.970	ug/l	97
25) 2-Butanone	7.19	43	2594	3.475	ug/l	92
29) Tetrahydrofuran	7.54	42	3246	6.960	ug/l	93
31) Cyclohexane	7.95	56	5696	1.195	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	20306	4.801	ug/l #	51
38) Carbon Tetrachloride	7.96	117	26045	5.746	ug/l #	16
41) Methacrylonitrile	7.54	41	2239	2.210	ug/l #	51
64) Tetrachloroethene	10.87	164	3659	1.481	ug/l	87
74) N-amyl acetate	12.26	43	8845	3.191	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.69	83	3505	1.724	ug/l #	68
76) 1,2,3-Trichloropropane	12.62	75	96666	64.244	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96666	144.697	ug/l #	7
90) Hexachloroethane	14.10	117	2903	1.378	ug/l #	7

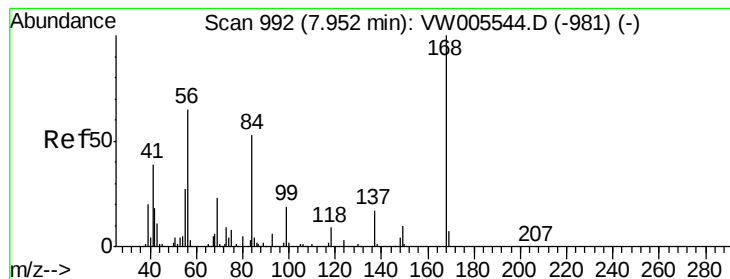
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005617.D

Acq: 25 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

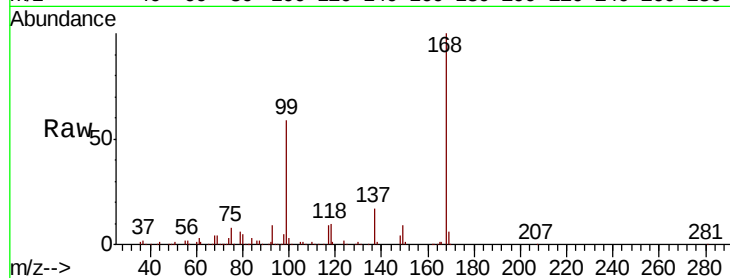
EP1-Q1-F3

Tgt Ion:168 Resp: 260904

Ion Ratio Lower Upper

168 100

99 58.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

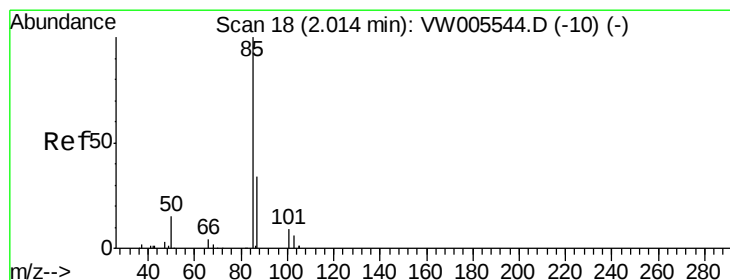
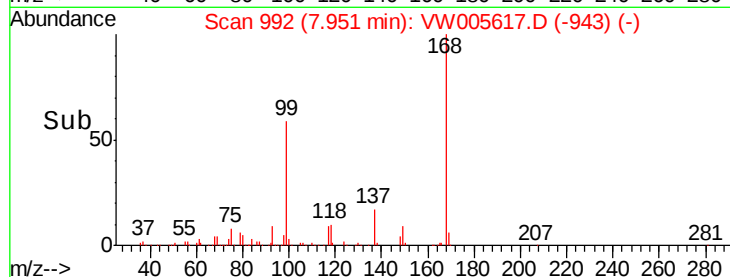
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005617.D

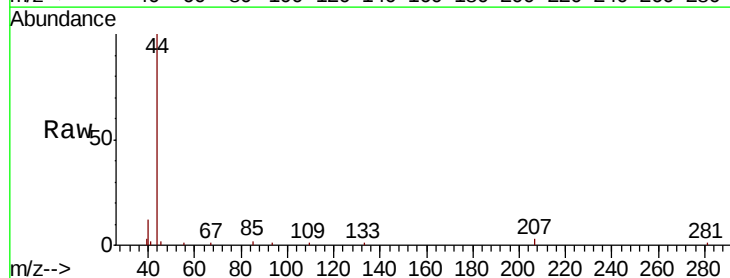
Acq: 25 Sep 2018 17:53

Tgt Ion: 85 Resp: 96

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

100

80

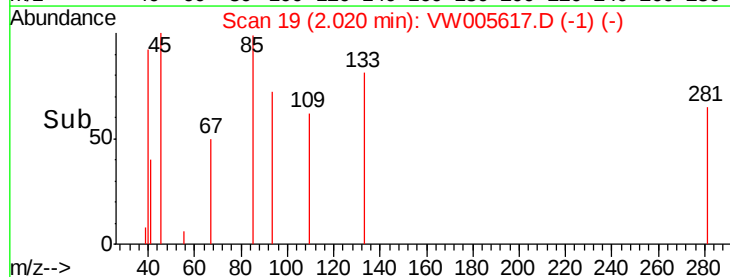
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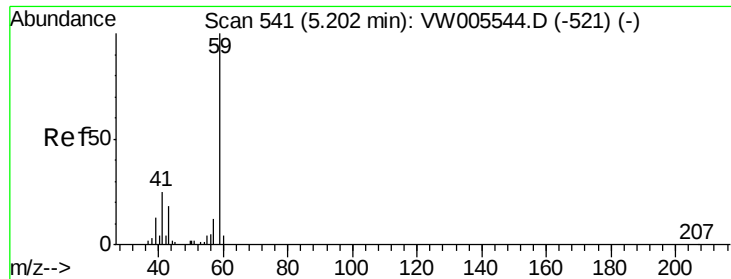
40

20

0

Time-->





#11

Tert butyl alcohol

Concen: 16.073 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.01 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

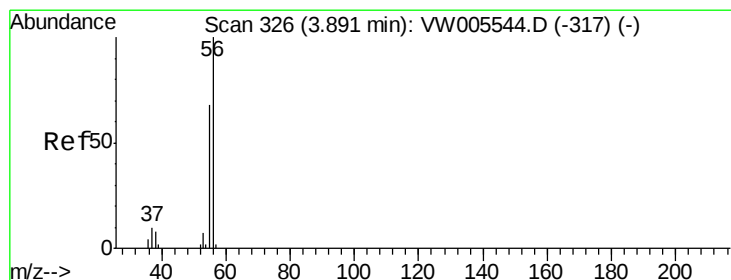
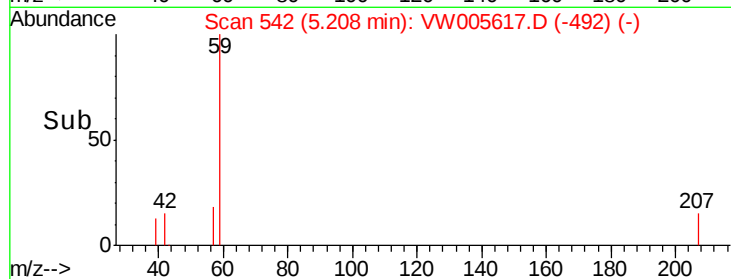
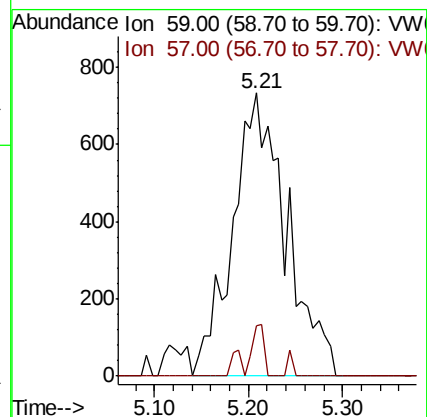
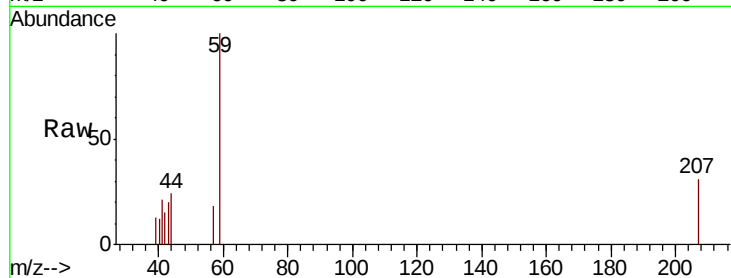
EP1-Q1-F3

Tgt Ion: 59 Resp: 2903

Ion Ratio Lower Upper

59 100

57 4.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 4.04 min Scan# 351

Delta R.T. 0.15 min

Lab File: VW005617.D

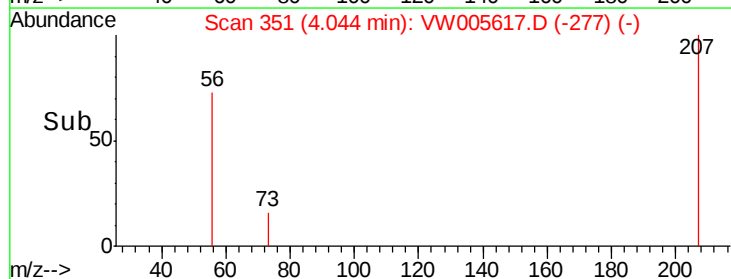
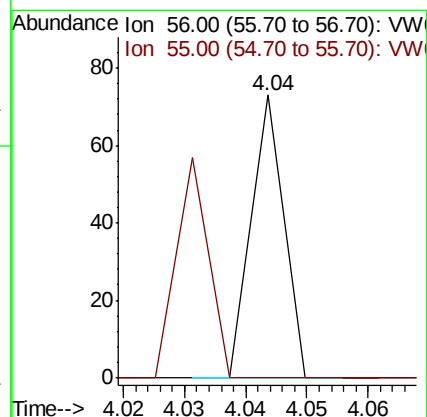
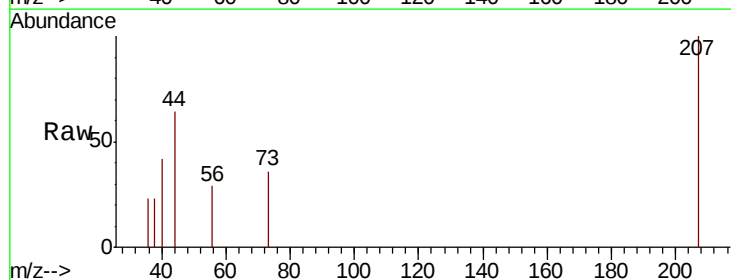
Acq: 25 Sep 2018 17:53

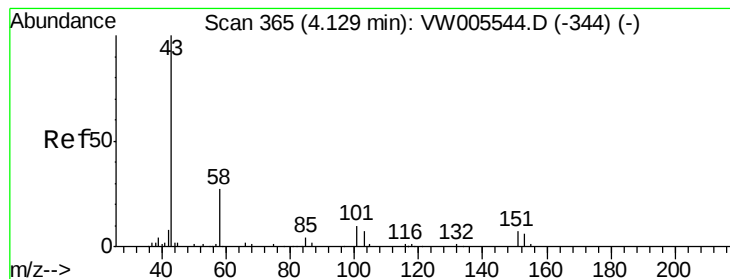
Tgt Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.8#





#16

Acetone

Concen: 8.597 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampled :

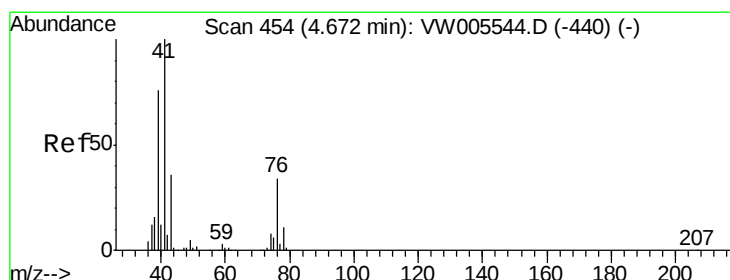
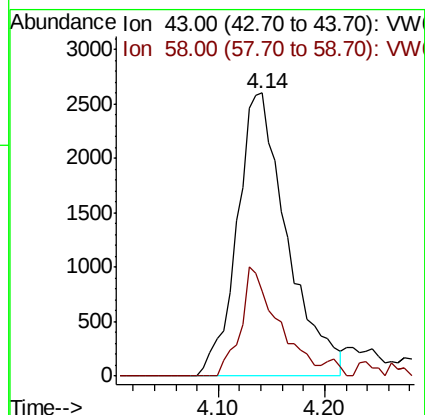
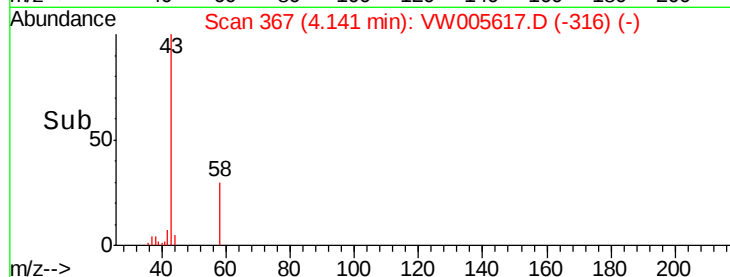
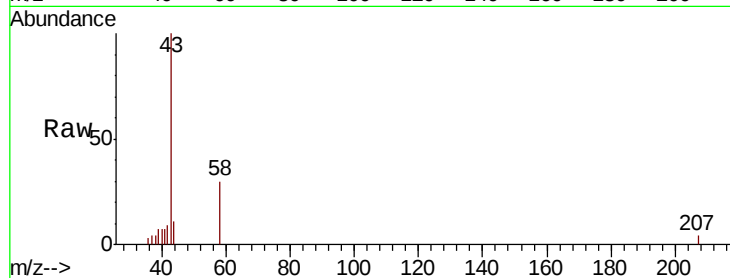
EP1-Q1-F3

Tgt Ion: 43 Resp: 8557

Ion Ratio Lower Upper

43 100

58 30.1 21.8 32.8



#18

Methyl Acetate

Concen: 5.470 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005617.D

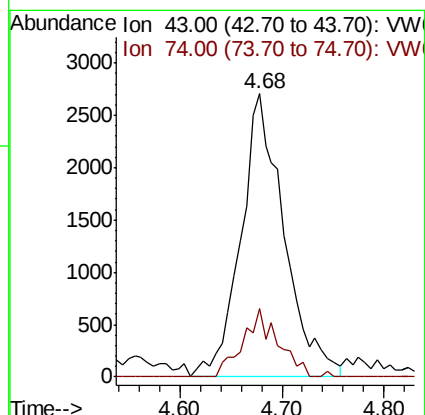
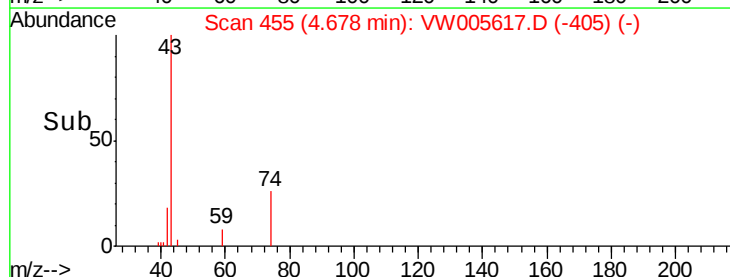
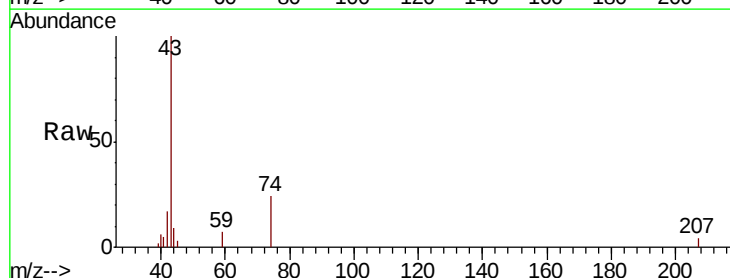
Acq: 25 Sep 2018 17:53

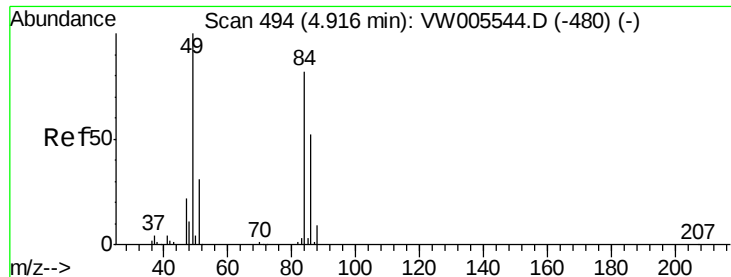
Tgt Ion: 43 Resp: 7968

Ion Ratio Lower Upper

43 100

74 19.5 19.2 28.8





#20

Methylene Chloride

Concen: 1.970 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-F3

Tgt Ion: 84 Resp: 15682

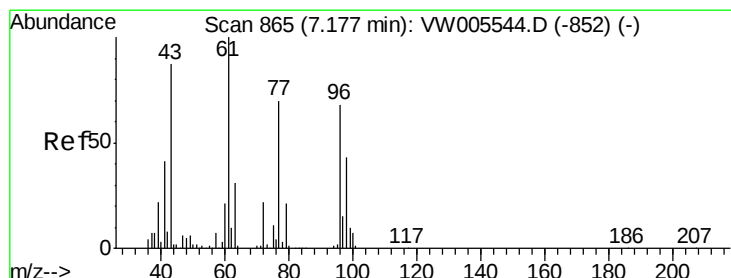
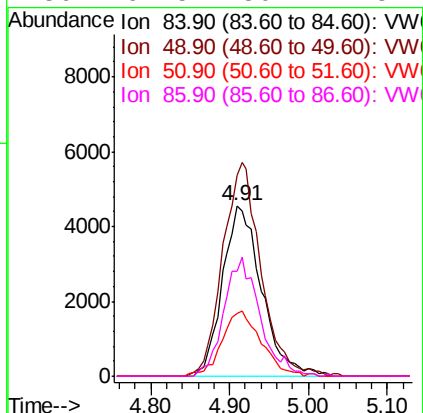
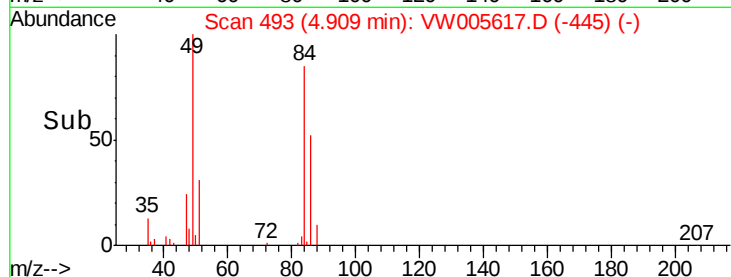
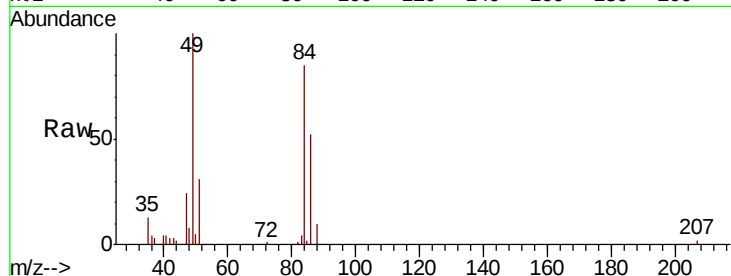
Ion Ratio Lower Upper

84 100

49 116.9 97.0 145.6

51 36.4 30.2 45.2

86 61.5 50.2 75.4



#25

2-Butanone

Concen: 3.475 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005617.D

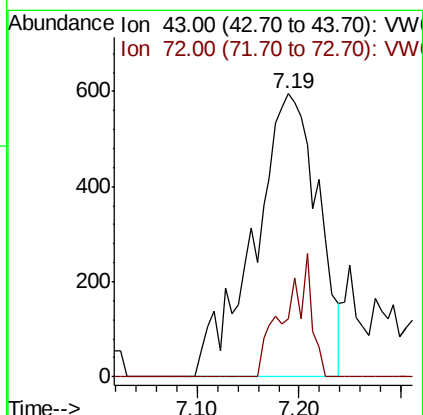
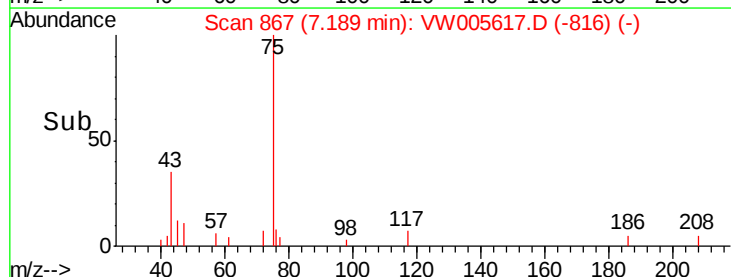
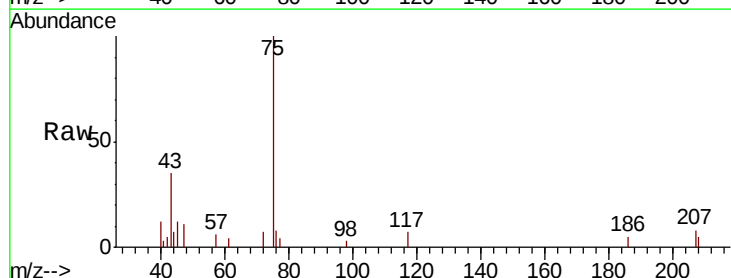
Acq: 25 Sep 2018 17:53

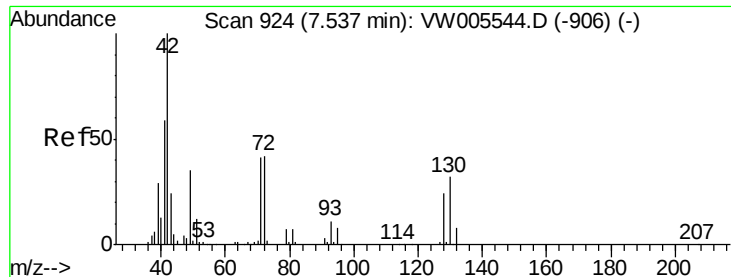
Tgt Ion: 43 Resp: 2594

Ion Ratio Lower Upper

43 100

72 20.7 19.9 29.9

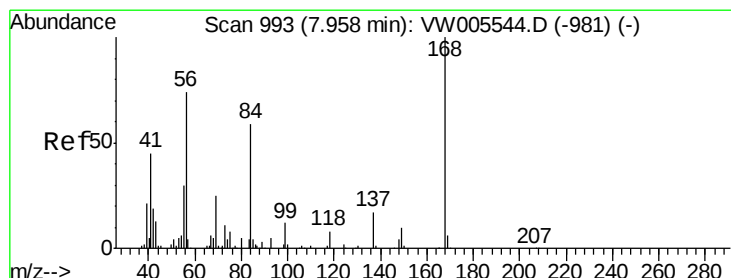
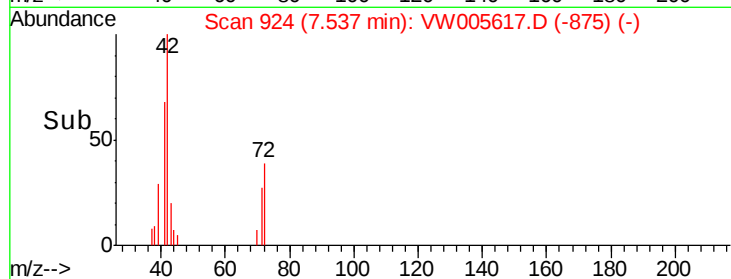
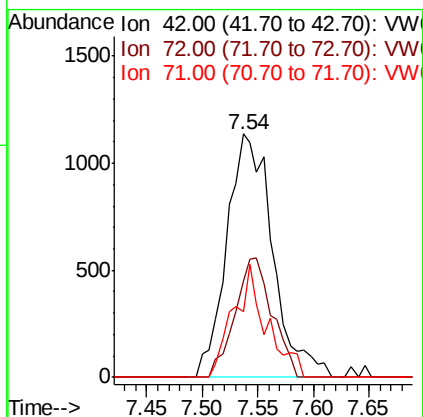
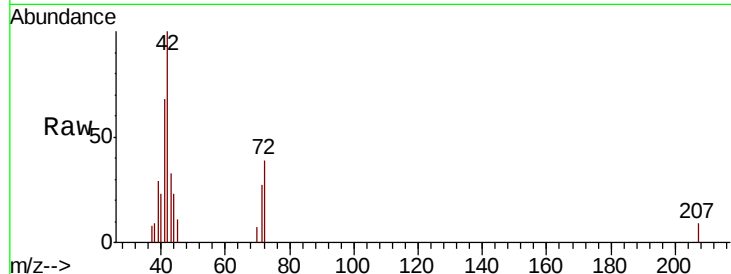




#29
Tetrahydrofuran
Concen: 6.960 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005617.D
Acq: 25 Sep 2018 17:53

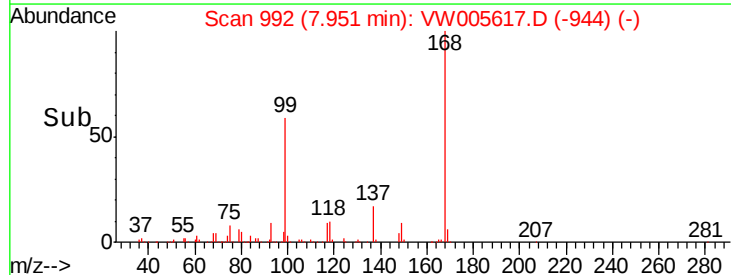
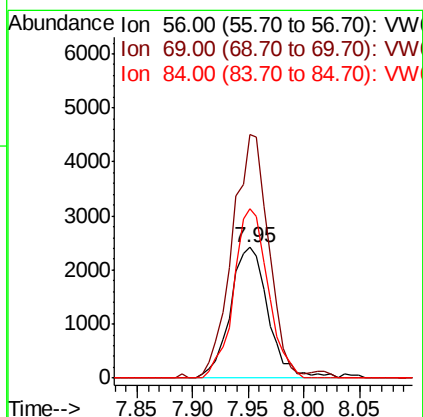
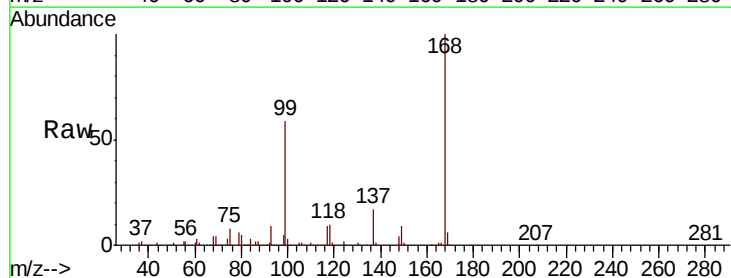
Instrument :
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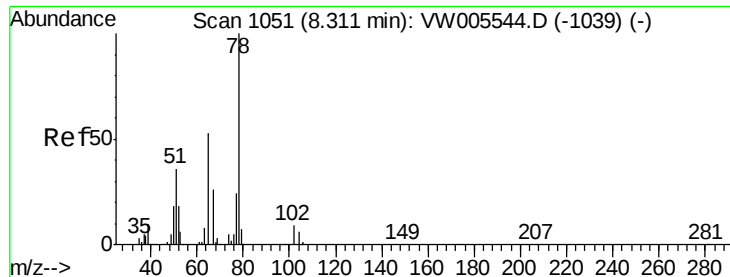
Tgt Ion: 42 Resp: 3246
Ion Ratio Lower Upper
42 100
72 39.8 33.6 50.4
71 33.7 31.8 47.6



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005617.D
Acq: 25 Sep 2018 17:53

Tgt Ion: 56 Resp: 5696
Ion Ratio Lower Upper
56 100
69 186.5 27.0 40.4#
84 129.7 64.2 96.4#

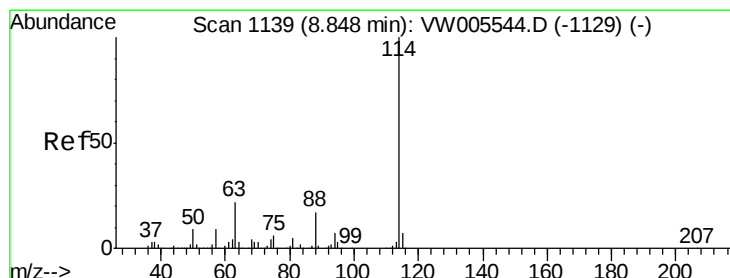
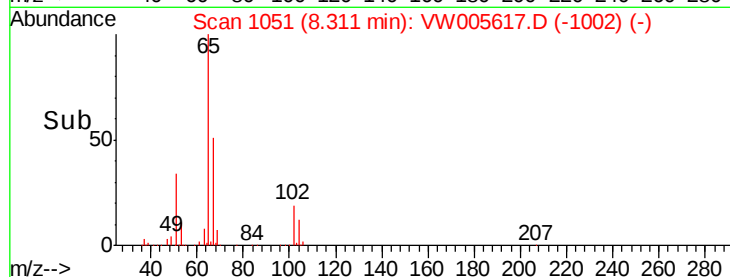
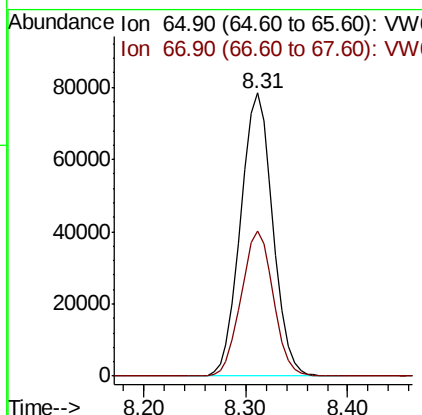
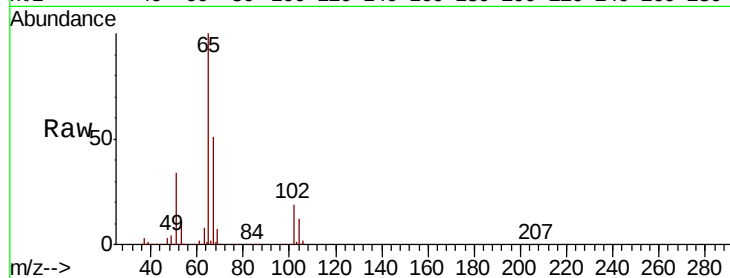




#33
 1,2-Dichloroethane-d4
 Concen: 55.869 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005617.D
 Acq: 25 Sep 2018 17:53

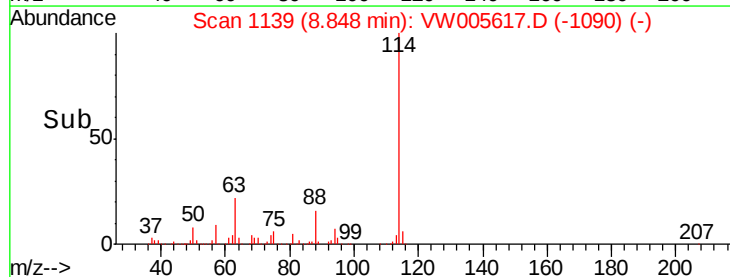
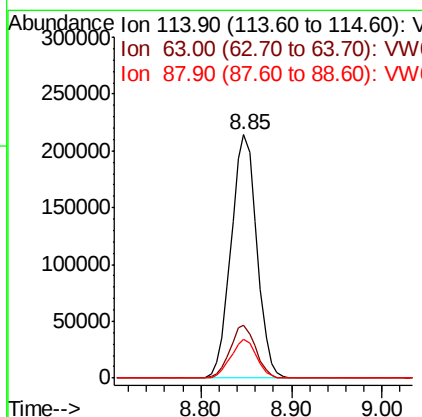
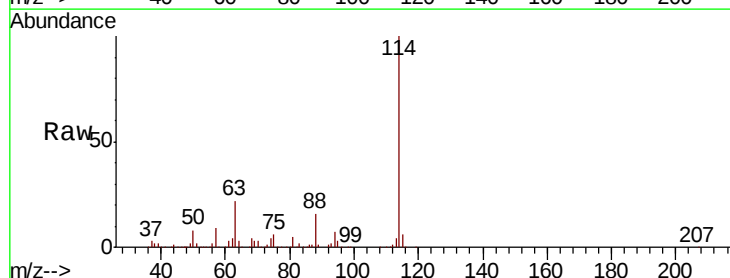
Instrument :
 MSVOA_W
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 EP1-Q1-F3

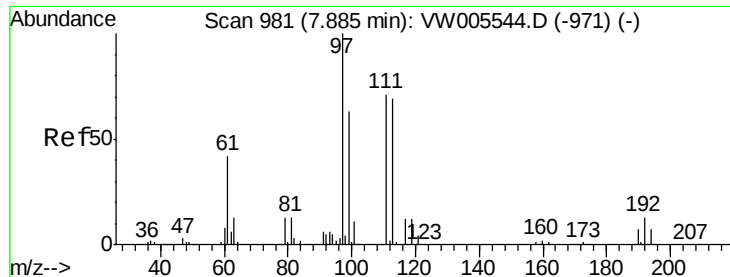
Tgt Ion: 65 Resp: 171721
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005617.D
 Acq: 25 Sep 2018 17:53

Tgt Ion: 114 Resp: 420178
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 16.1 0.0 33.0

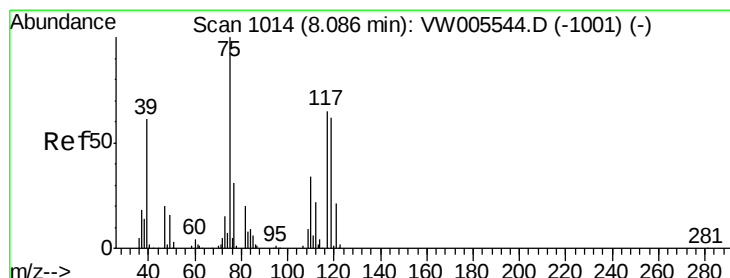
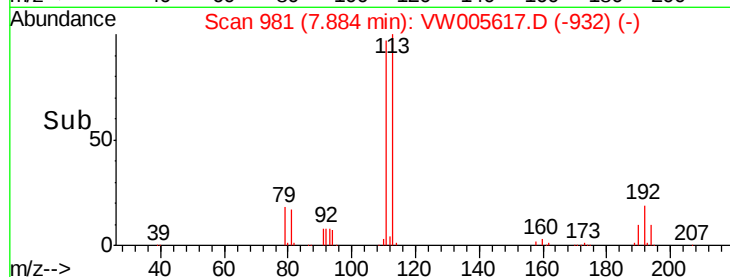
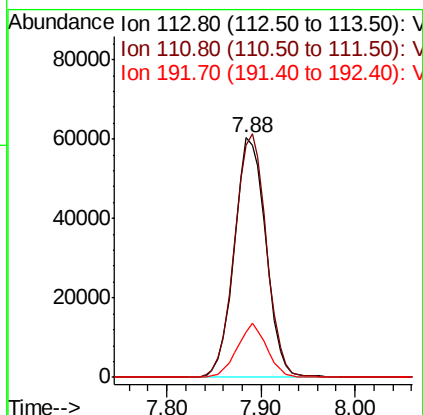
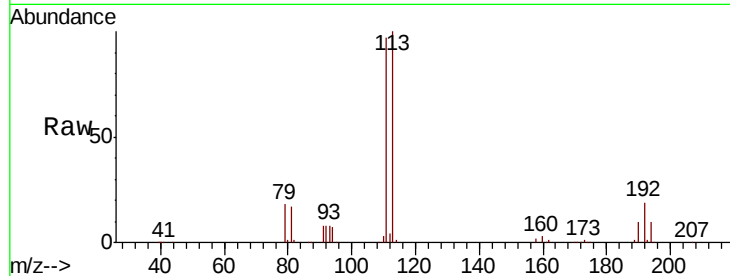




#35
 Dibromofluoromethane
 Concen: 53.523 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005617.D
 Acq: 25 Sep 2018 17:53

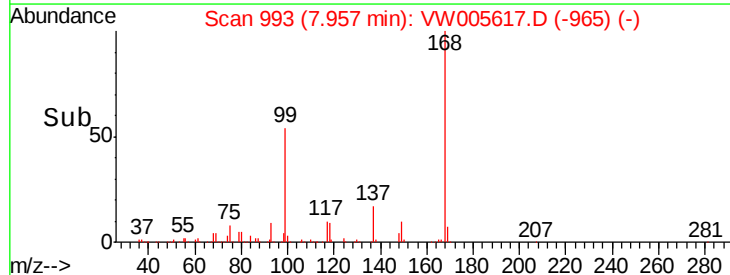
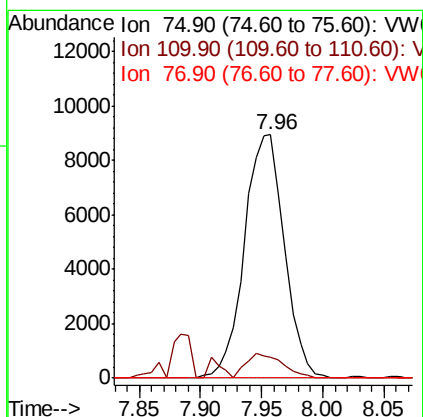
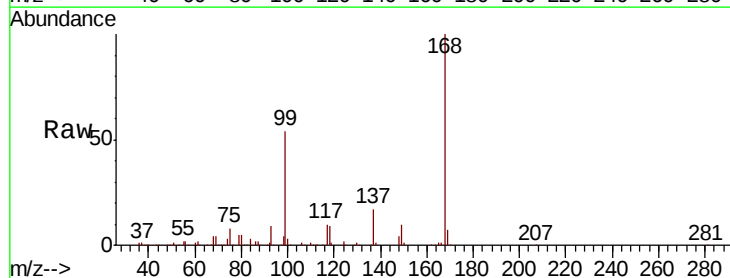
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-F3

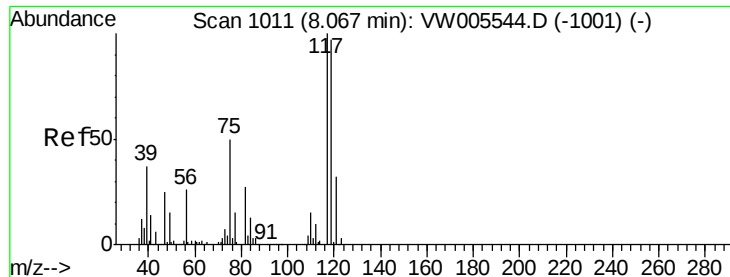
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	21.0	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005617.D
 Acq: 25 Sep 2018 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.0	50.9#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.746 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.11 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-F3

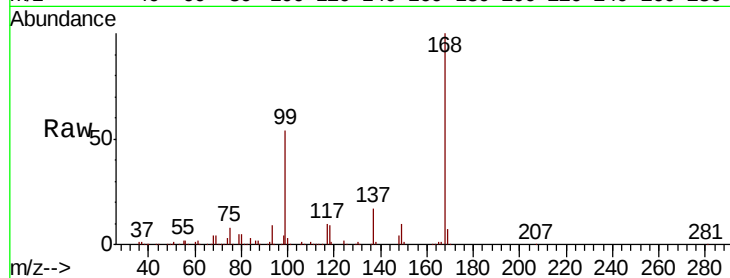
Tgt Ion:117 Resp: 26045

Ion Ratio Lower Upper

117 100

119 5.7 77.6 116.4#

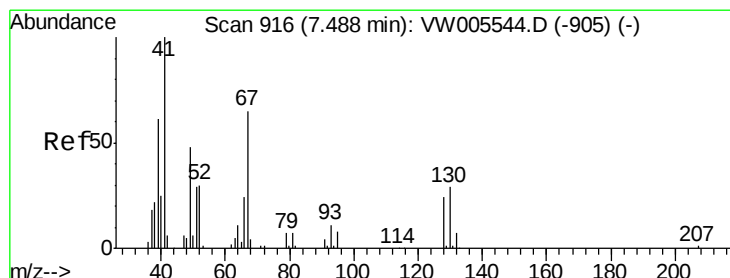
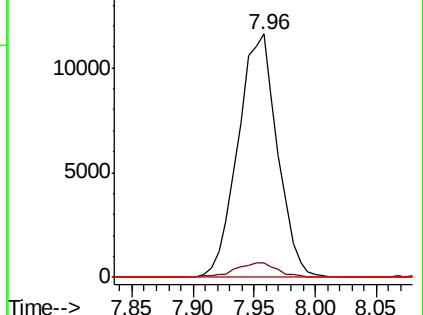
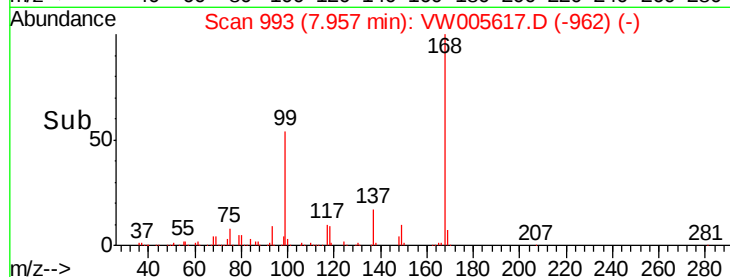
121 0.0 25.7 38.5#



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: 2.210 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Tgt Ion: 41 Resp: 2239

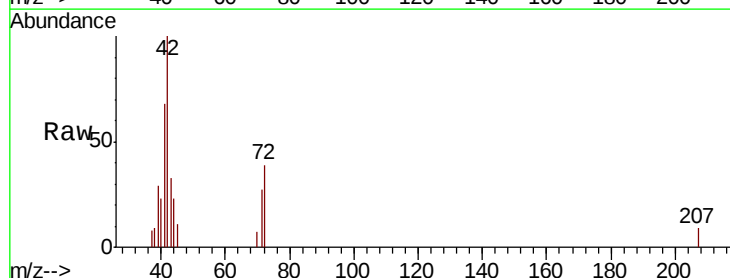
Ion Ratio Lower Upper

41 100

39 58.2 45.4 68.2

67 0.0 55.2 82.8#

52 0.0 25.3 37.9#

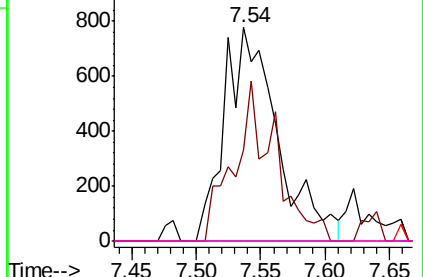
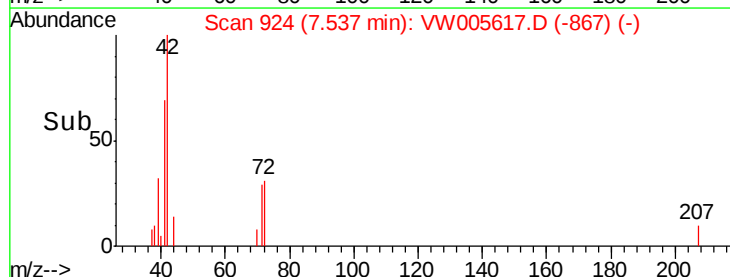


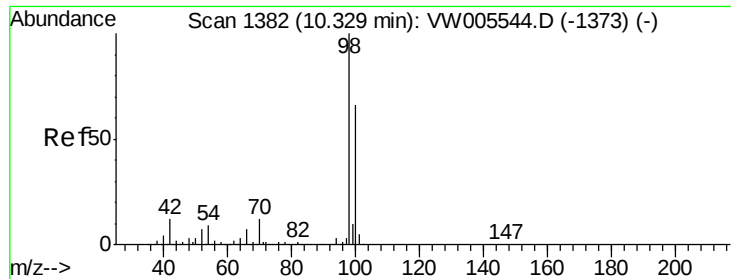
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 39.805 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampled :

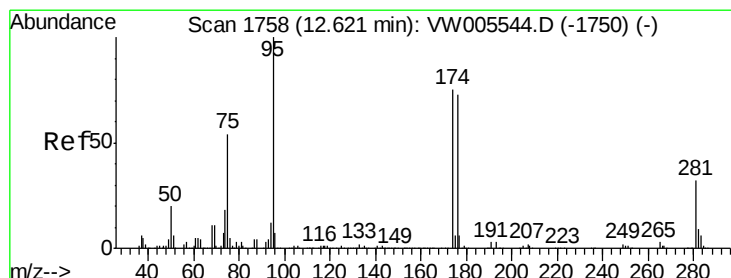
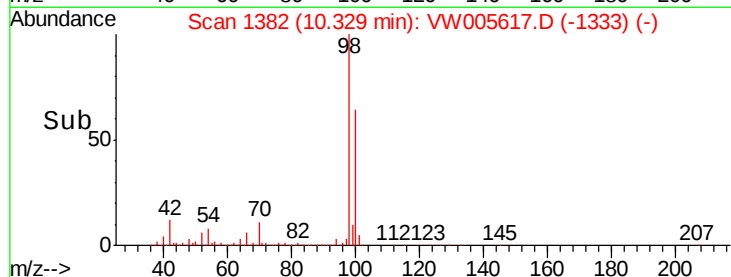
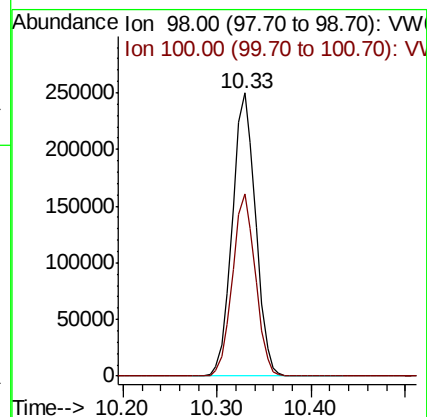
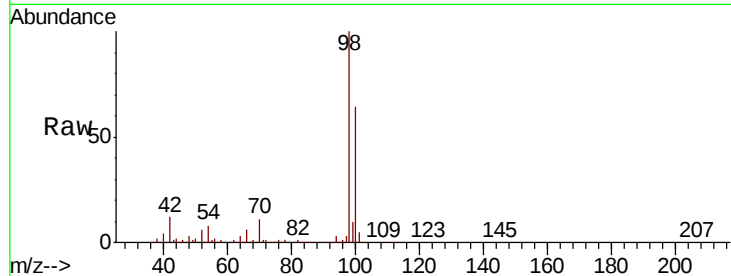
EP1-Q1-F3

Tgt Ion: 98 Resp: 428263

Ion Ratio Lower Upper

98 100

100 63.4 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.699 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

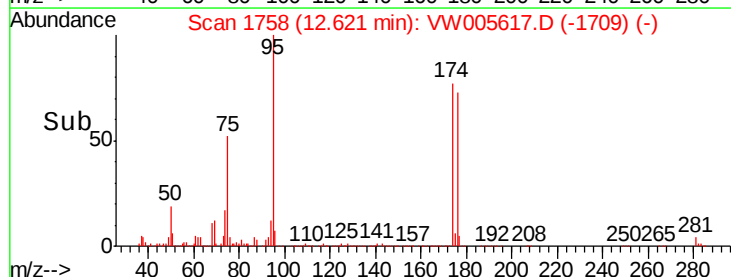
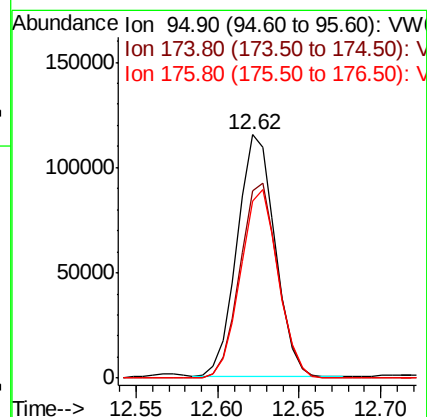
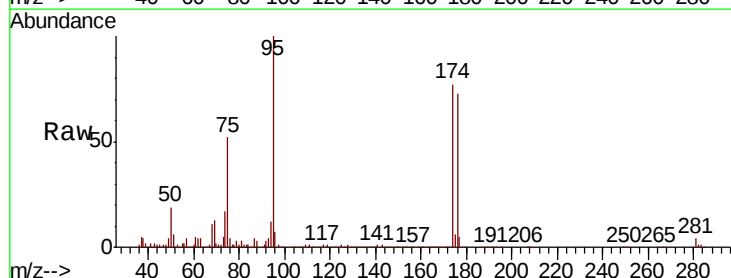
Tgt Ion: 95 Resp: 185912

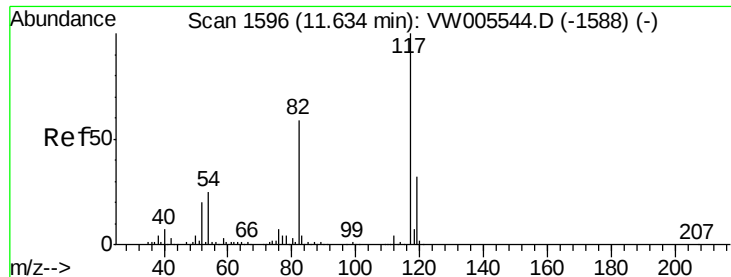
Ion Ratio Lower Upper

95 100

174 80.6 0.0 163.8

176 77.9 0.0 158.0

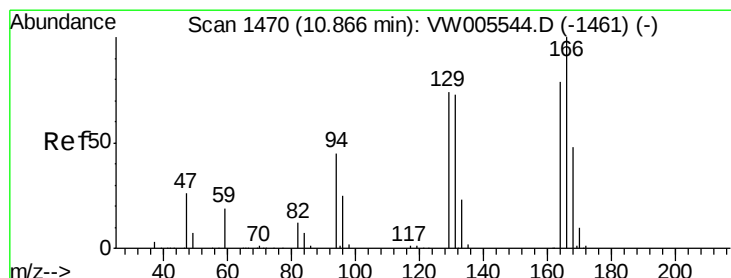
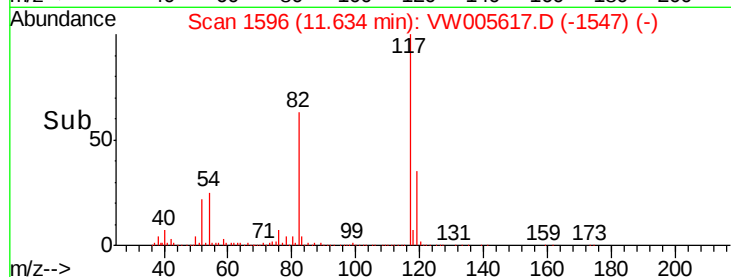
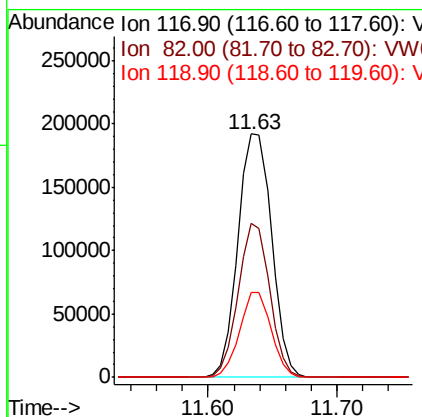
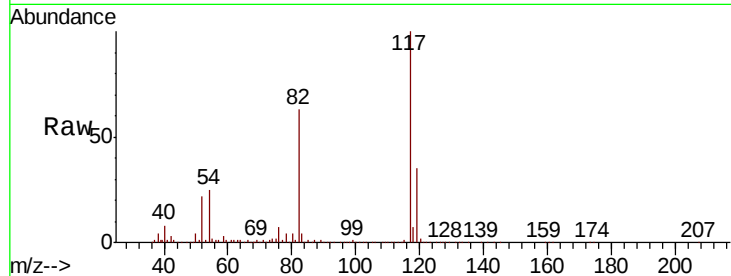




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005617.D
Acq: 25 Sep 2018 17:53

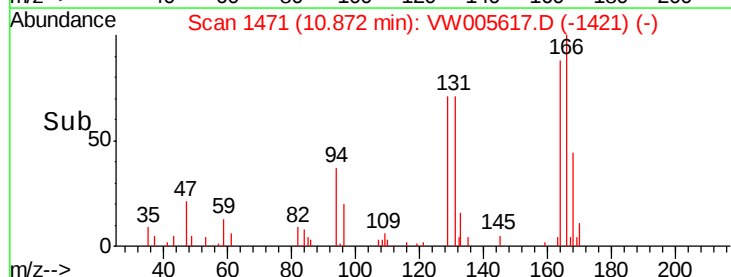
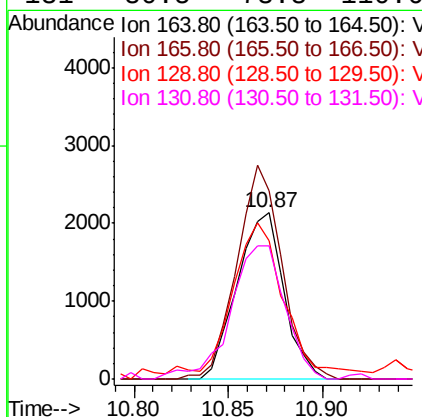
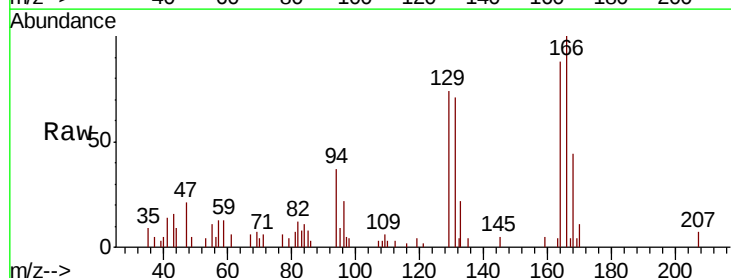
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-F3

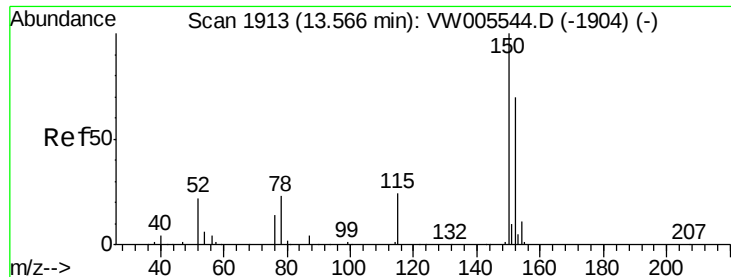
Tgt Ion:117 Resp: 348065
Ion Ratio Lower Upper
117 100
82 63.4 46.9 70.3
119 35.0 25.7 38.5



#64
Tetrachloroethene
Concen: 1.481 ug/l
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW005617.D
Acq: 25 Sep 2018 17:53

Tgt Ion:164 Resp: 3659
Ion Ratio Lower Upper
164 100
166 113.1 101.1 151.7
129 78.2 74.4 111.6
131 80.5 73.8 110.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-F3

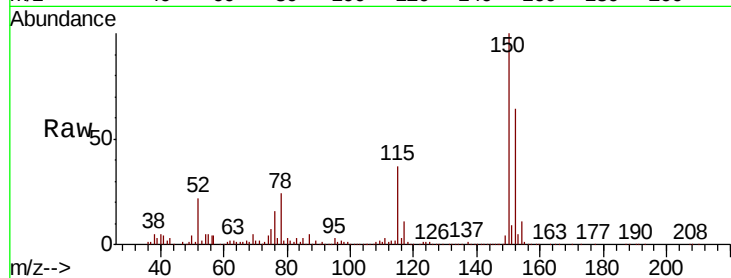
Tgt Ion:152 Resp: 176515

Ion Ratio Lower Upper

152 100

115 57.2 30.0 90.0

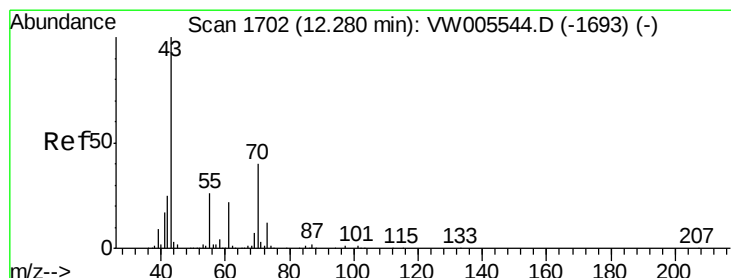
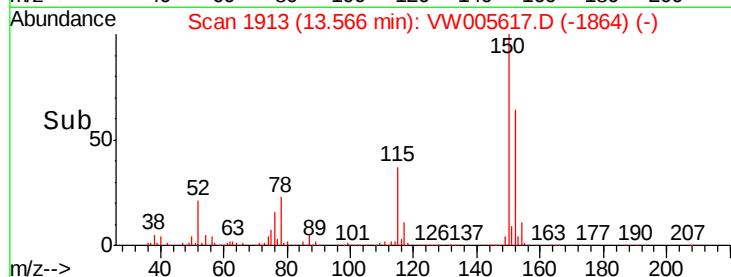
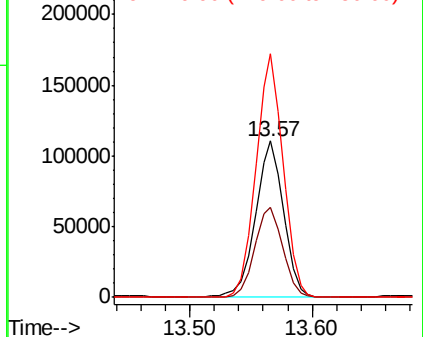
150 150.5 0.0 348.6



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



#74

N-ethyl acetate

Concen: 3.191 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Tgt Ion: 43 Resp: 8845

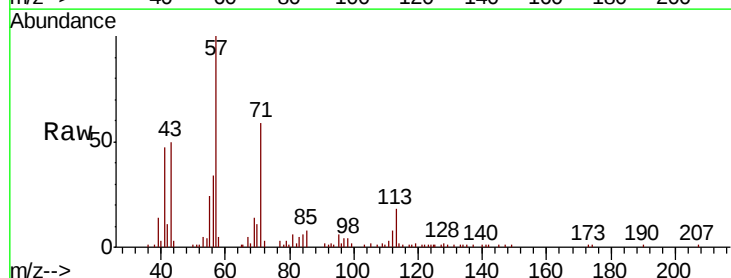
Ion Ratio Lower Upper

43 100

70 31.1 31.4 47.0#

55 16.6 20.9 31.3#

61 0.0 17.8 26.6#

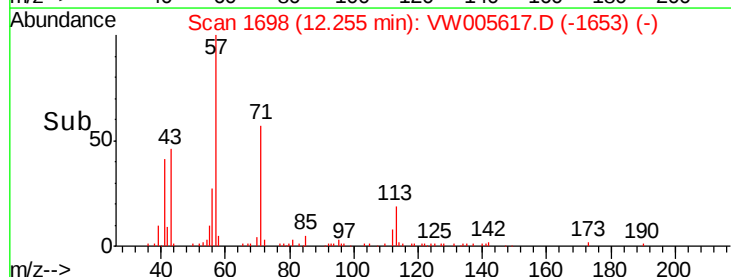
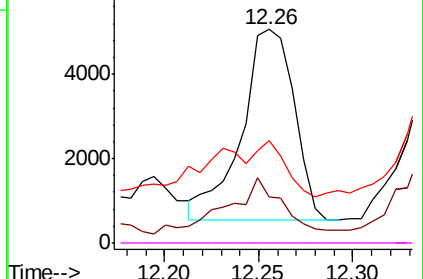


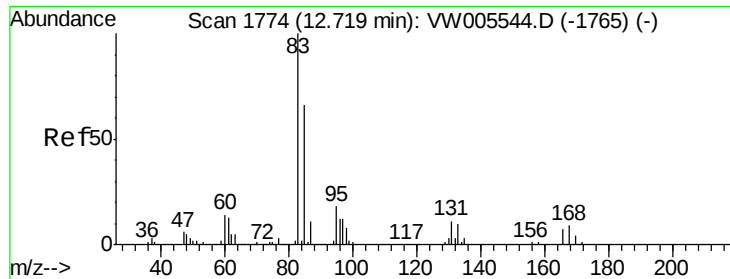
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 1.724 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-F3

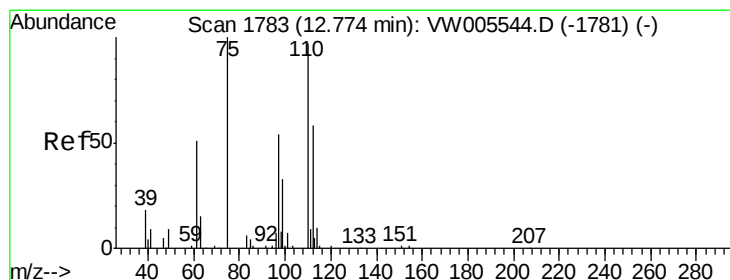
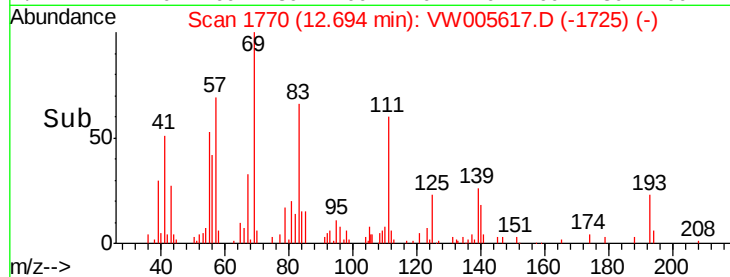
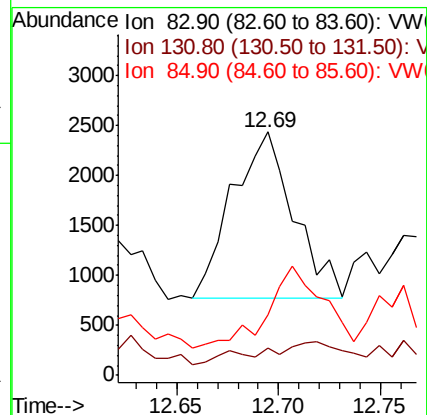
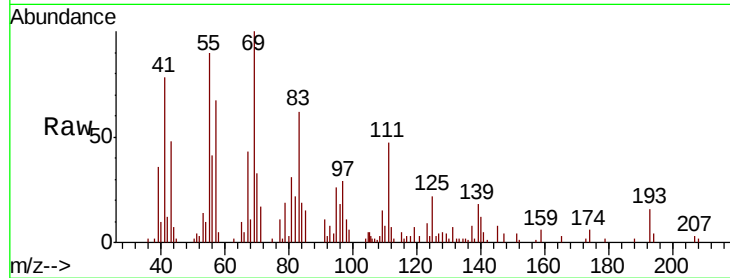
Tgt Ion: 83 Resp: 3505

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 39.2 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 64.244 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005617.D

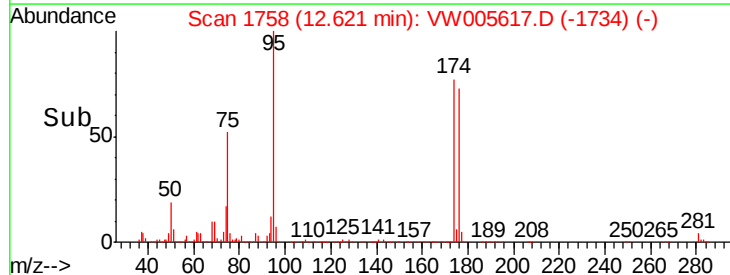
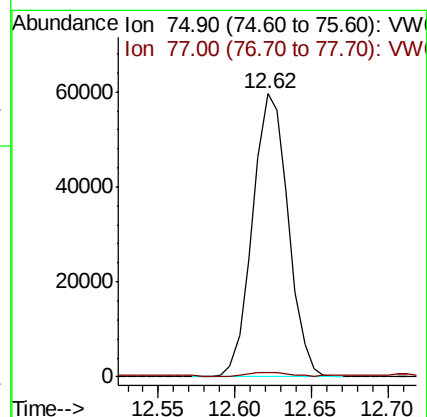
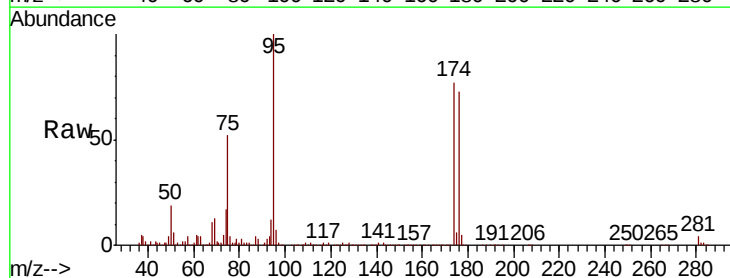
Acq: 25 Sep 2018 17:53

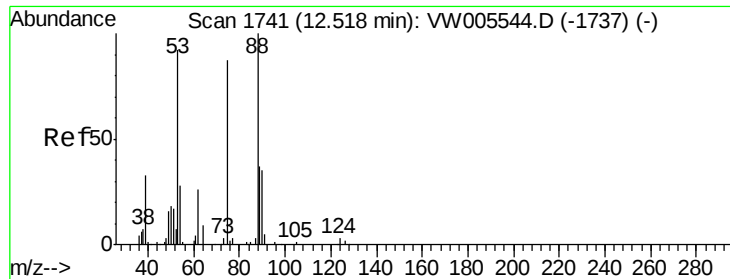
Tgt Ion: 75 Resp: 96666

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 144.697 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-F3

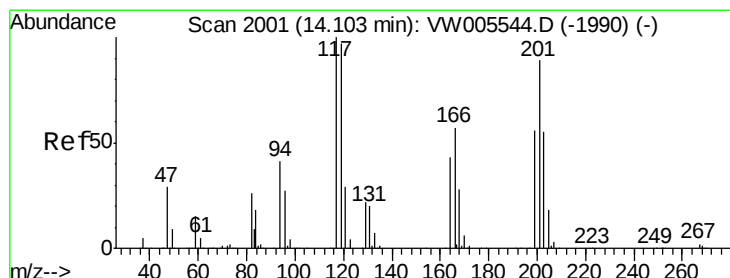
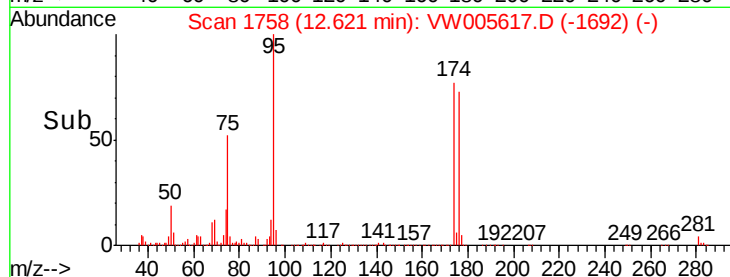
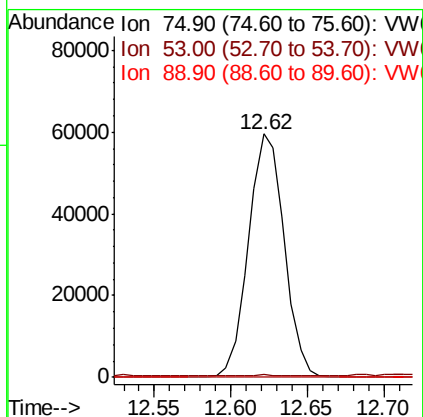
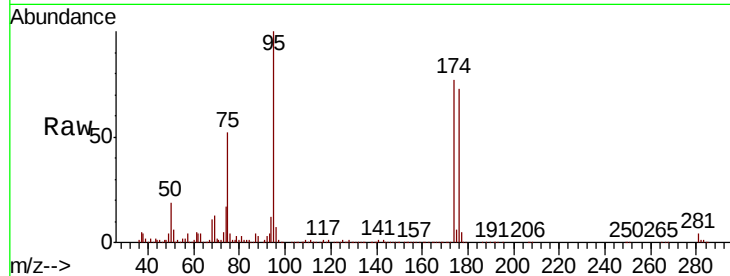
Tgt Ion: 75 Resp: 96666

Ion Ratio Lower Upper

75 100

53 0.5 85.8 128.6#

89 0.0 37.3 55.9#



#90

Hexachloroethane

Concen: 1.378 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005617.D

Acq: 25 Sep 2018 17:53

Tgt Ion: 117 Resp: 2903

Ion Ratio Lower Upper

117 100

201 0.0 42.8 128.3#

