

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
 Data File : VW005621.D
 Acq On : 25 Sep 2018 19:36
 Operator : VA/AP
 Sample : J5066-11
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-H3

Quant Time: Sep 26 04:16:26 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	272546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	449227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175781	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	171963	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	7.89	113	140551	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.33	98	437124	38.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.00%	
62) 4-Bromofluorobenzene	12.62	95	176642	41.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.00%	

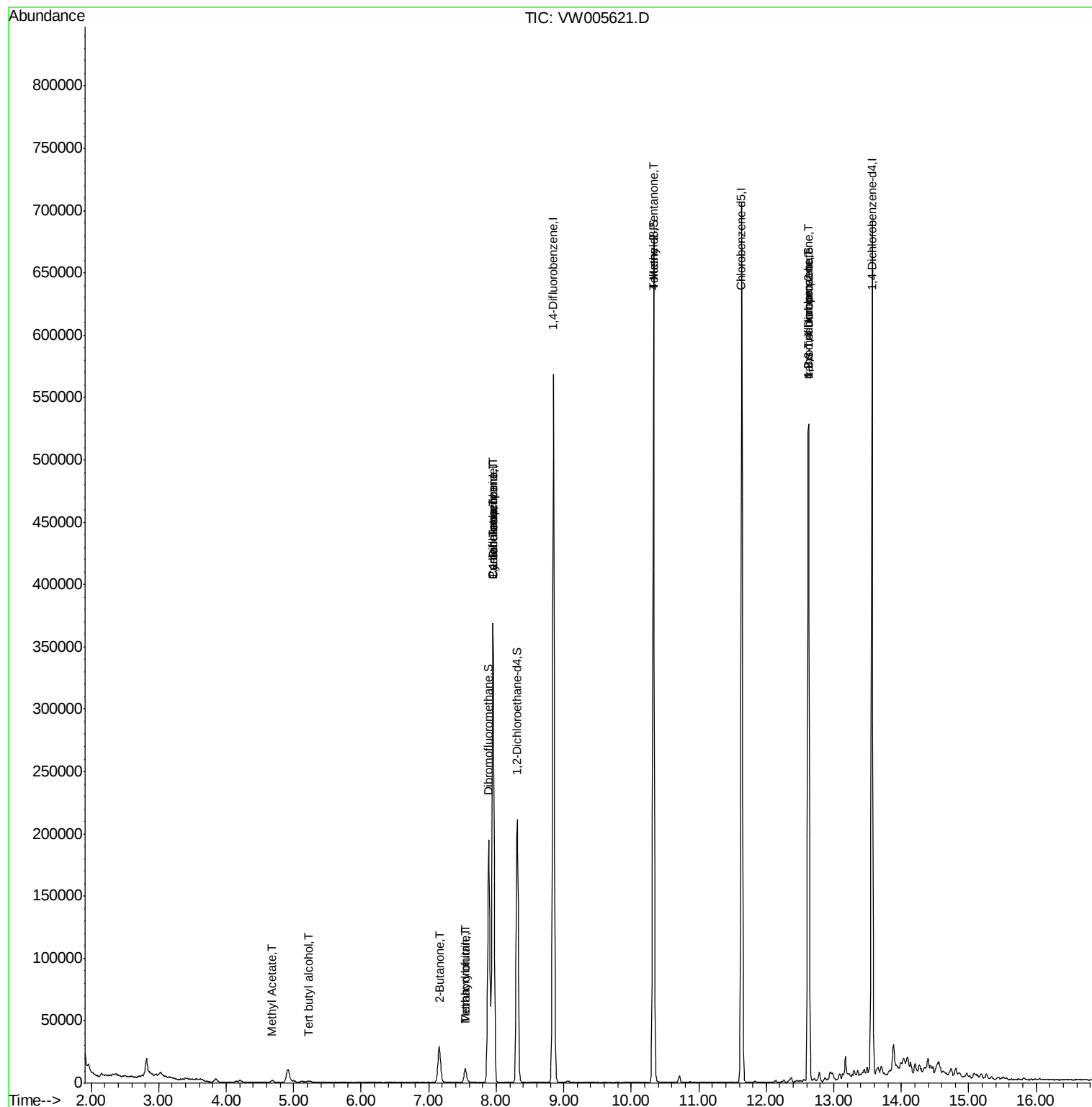
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	20	Below Cal	#	41
11) Tert butyl alcohol	5.22	59	3171	16.917	ug/l #	72
13) Acrolein	3.84	56	25	Below Cal	#	1
16) Acetone	4.15	43	1449	Below Cal		95
18) Methyl Acetate	4.67	43	3671	2.412	ug/l	91
20) Methylene Chloride	4.91	84	8891	Below Cal		95
25) 2-Butanone	7.17	43	1784	2.288	ug/l #	85
29) Tetrahydrofuran	7.54	42	8956	18.383	ug/l	98
31) Cyclohexane	7.95	56	5888	1.183	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	21018	4.648	ug/l #	50
38) Carbon Tetrachloride	7.95	117	26480	5.464	ug/l #	15
41) Methacrylonitrile	7.54	41	5890	5.439	ug/l #	51
51) 4-Methyl-2-Pentanone	10.32	43	2188	1.161	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	90832	60.619	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90832	136.532	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: VW005621.D

Acq: 25 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

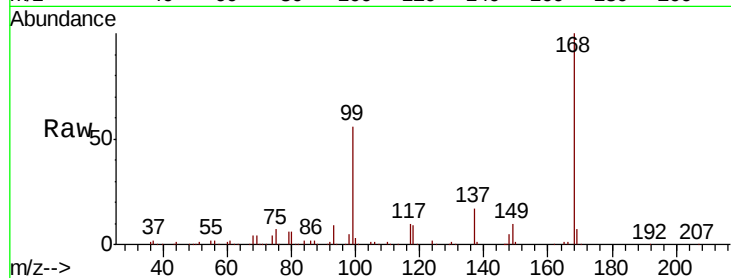
EP1-Q1-H3

Tgt Ion:168 Resp: 272546

Ion Ratio Lower Upper

168 100

99 56.0 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

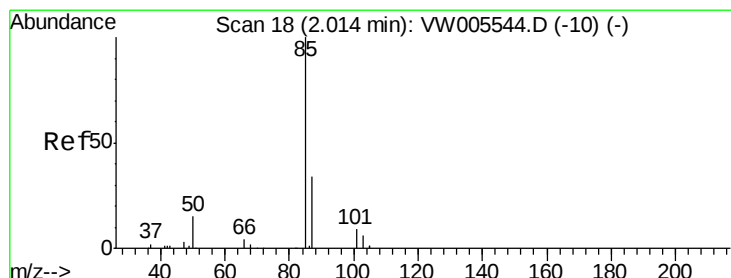
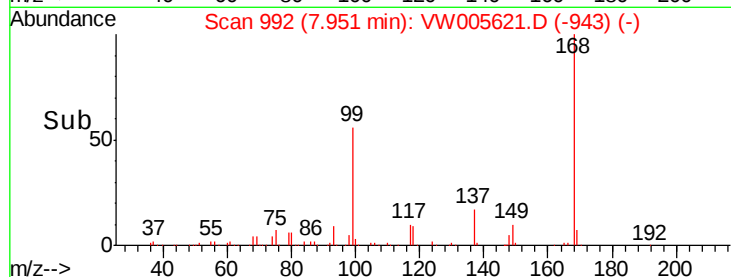
150000

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: VW005621.D

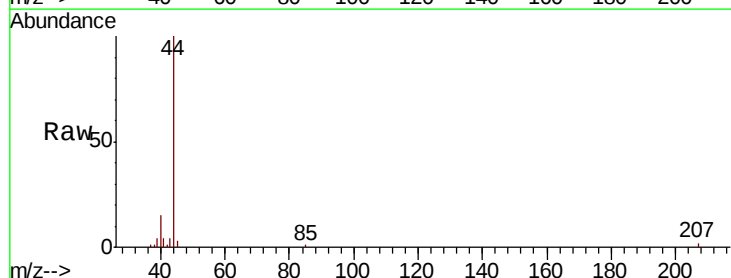
Acq: 25 Sep 2018 19:36

Tgt Ion: 85 Resp: 20

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

60

50

40

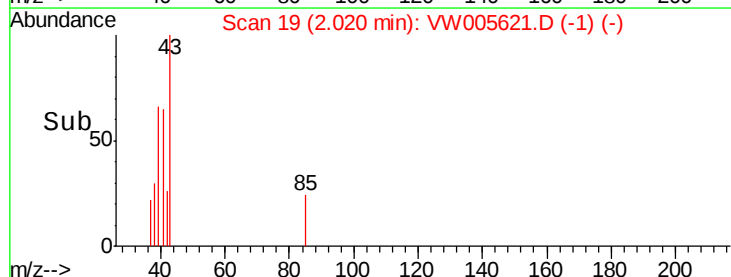
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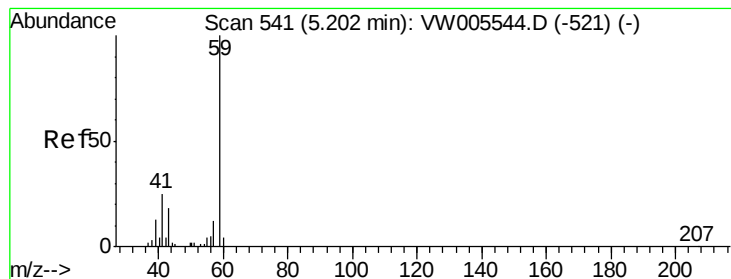
20

10

0

Time--> 2.00 2.01 2.02 2.03 2.04





#11

Tert butyl alcohol

Concen: 16.917 ug/l

RT: 5.22 min Scan# 544

Delta R.T. 0.02 min

Lab File: VW005621.D

Acq: 25 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampled :

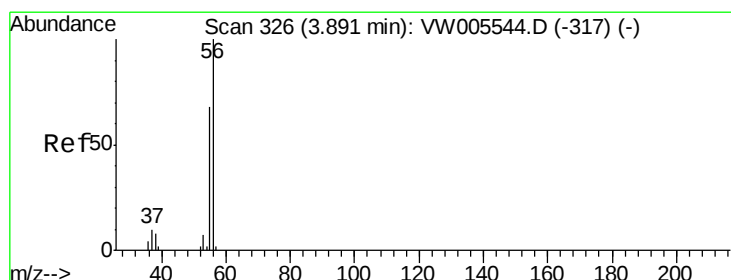
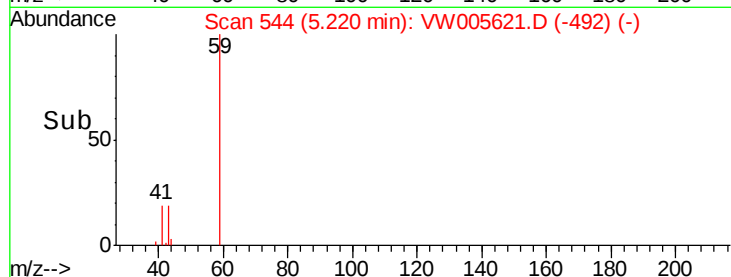
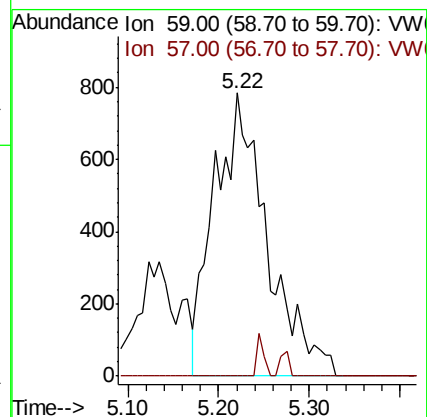
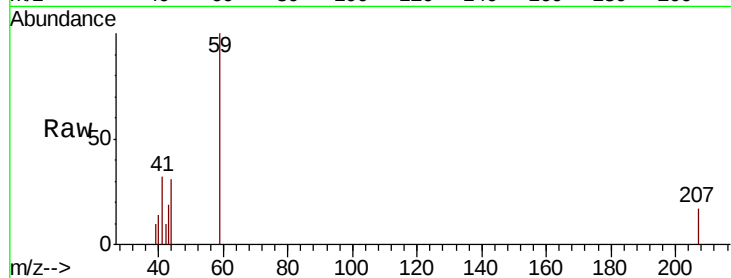
EP1-Q1-H3

Tgt Ion: 59 Resp: 3171

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 3.84 min Scan# 318

Delta R.T. -0.05 min

Lab File: VW005621.D

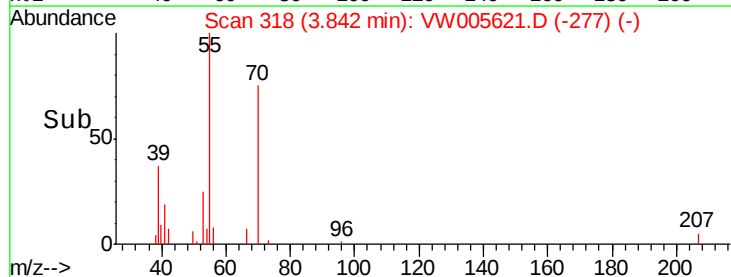
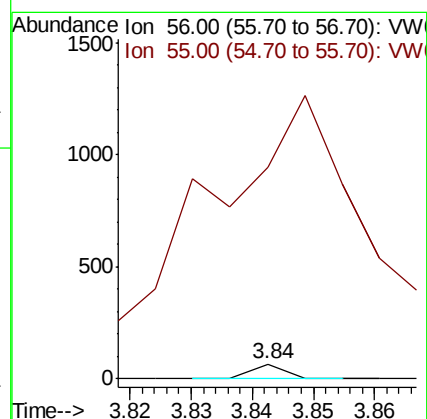
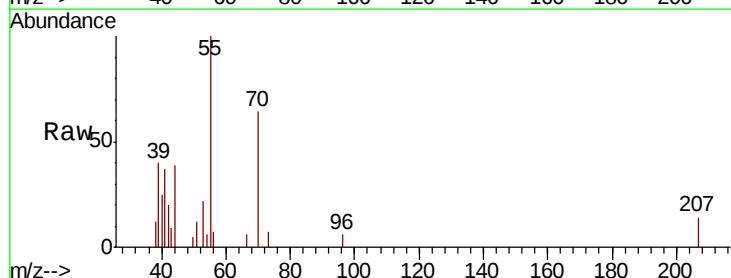
Acq: 25 Sep 2018 19:36

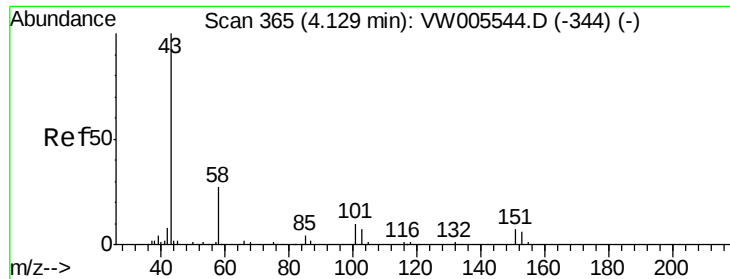
Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 10764.0 57.8 86.8#

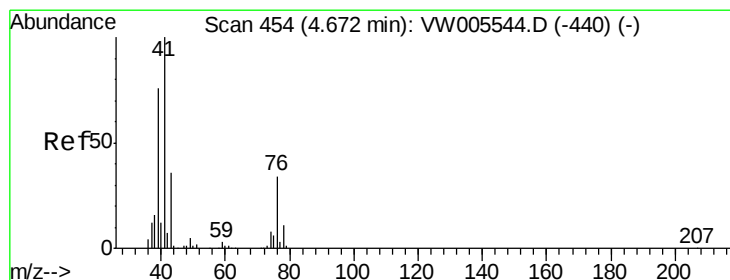
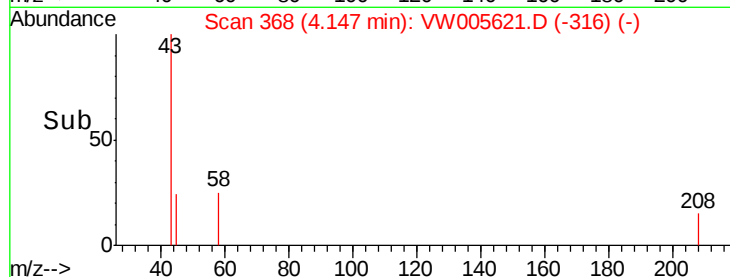
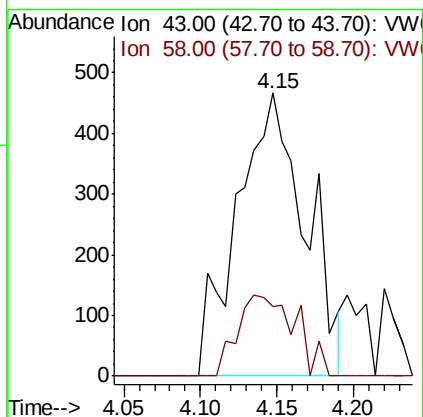
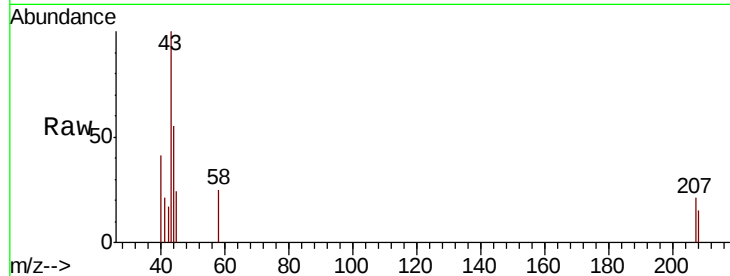




#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW005621.D
Acq: 25 Sep 2018 19:36

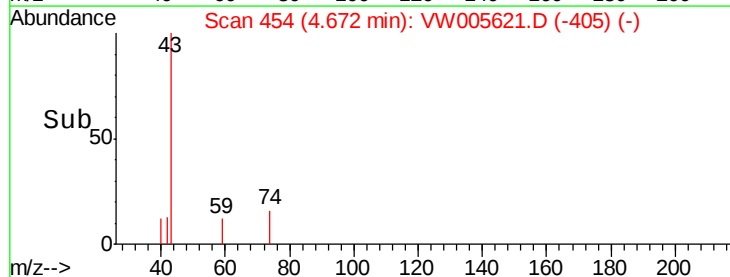
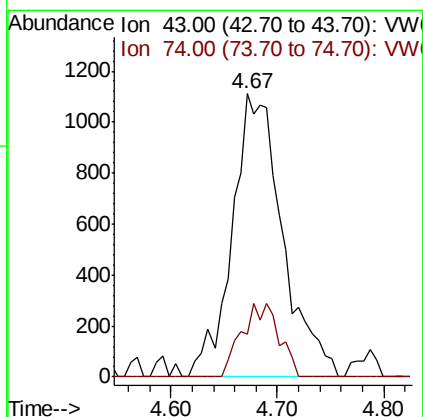
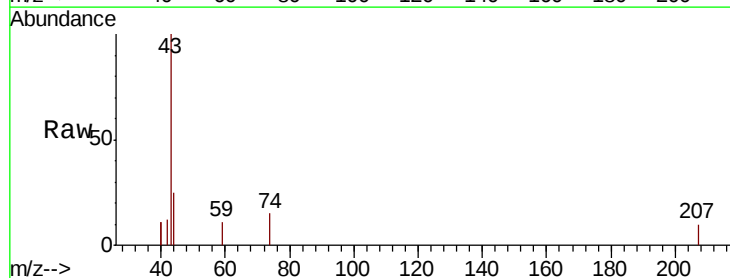
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-H3

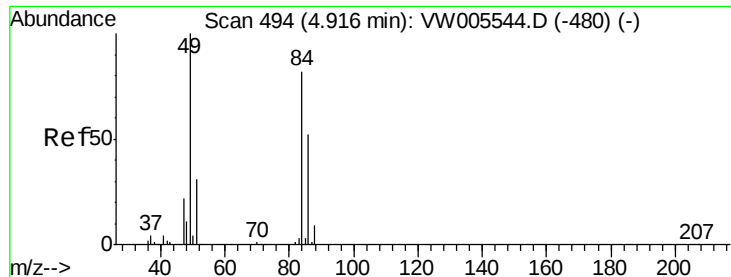
Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
58 24.6 21.8 32.8



#18
Methyl Acetate
Concen: 2.412 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005621.D
Acq: 25 Sep 2018 19:36

Tgt Ion: 43 Resp: 3671
Ion Ratio Lower Upper
43 100
74 19.3 19.2 28.8

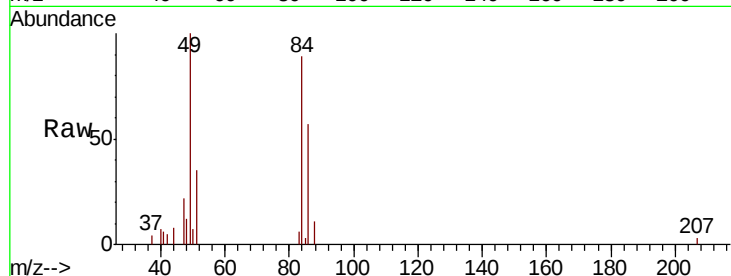




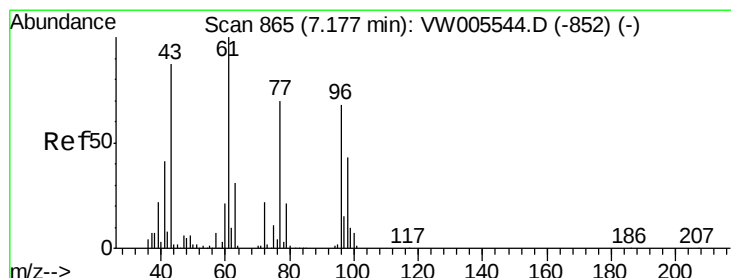
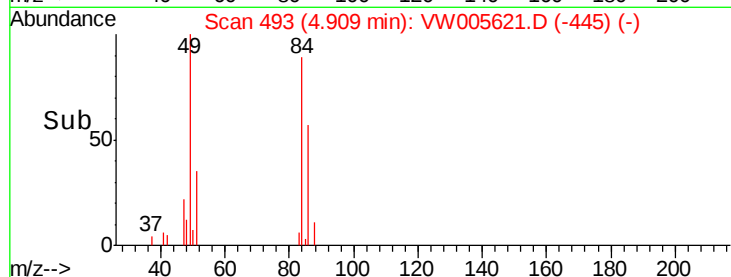
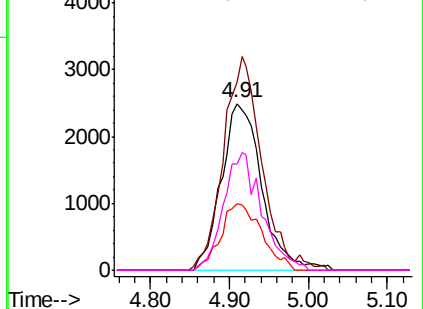
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005621.D
Acq: 25 Sep 2018 19:36

Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-H3

Tgt Ion: 84 Resp: 8891
Ion Ratio Lower Upper
84 100
49 112.4 97.0 145.6
51 39.6 30.2 45.2
86 63.7 50.2 75.4

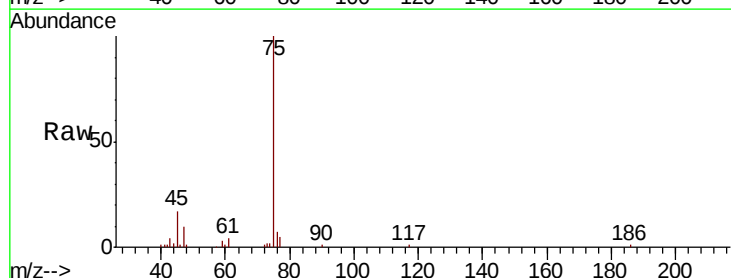


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

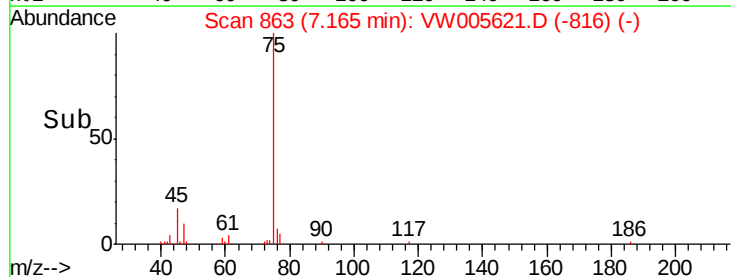
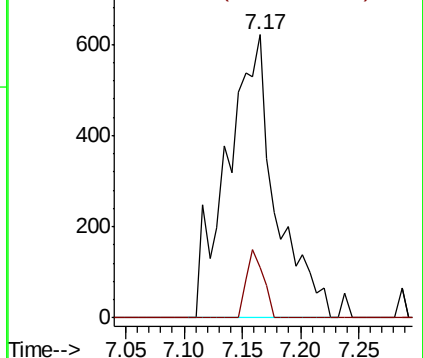


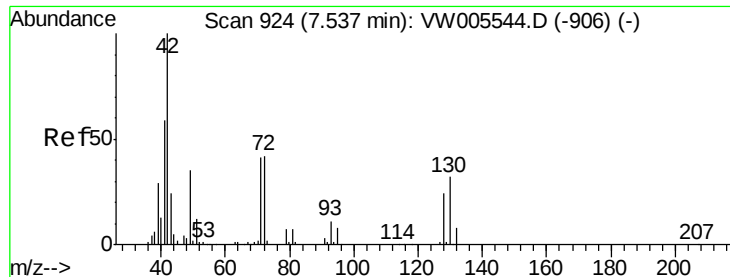
#25
2-Butanone
Concen: 2.288 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW005621.D
Acq: 25 Sep 2018 19:36

Tgt Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
72 17.6 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

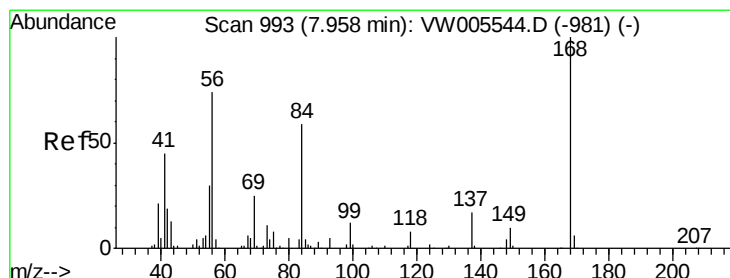
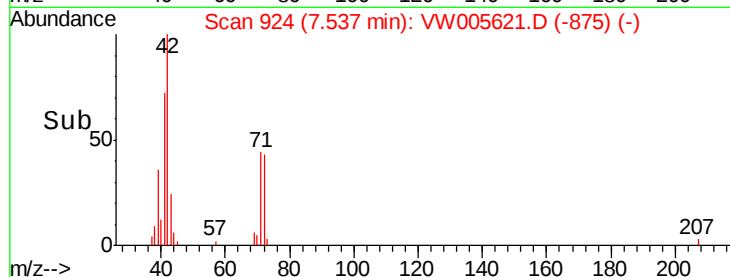
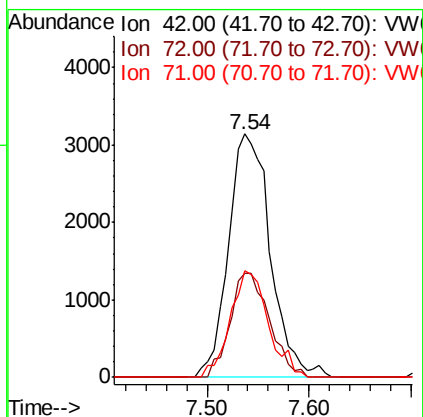
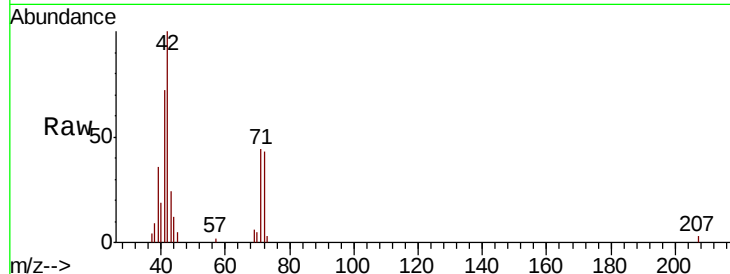




#29
Tetrahydrofuran
Concen: 18.383 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005621.D
Acq: 25 Sep 2018 19:36

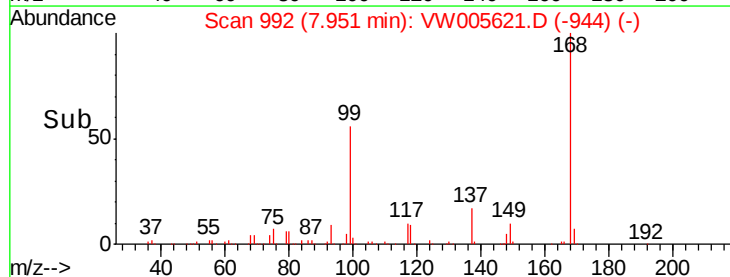
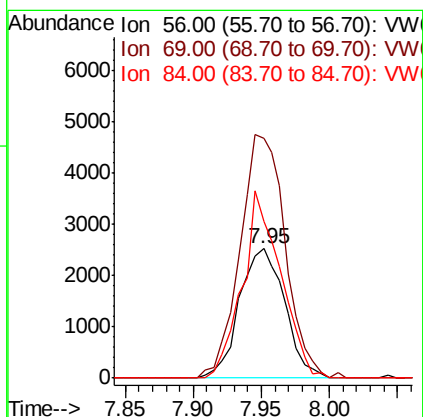
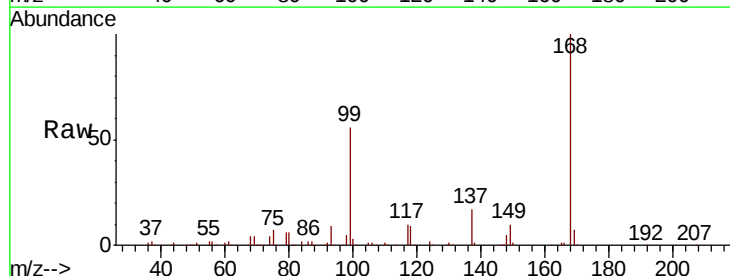
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EP1-Q1-H3

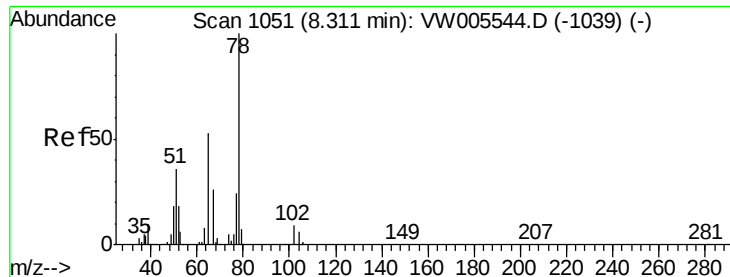
Tgt Ion: 42 Resp: 8956
Ion Ratio Lower Upper
42 100
72 40.0 33.6 50.4
71 39.6 31.8 47.6



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005621.D
Acq: 25 Sep 2018 19:36

Tgt Ion: 56 Resp: 5888
Ion Ratio Lower Upper
56 100
69 185.6 27.0 40.4#
84 121.5 64.2 96.4#

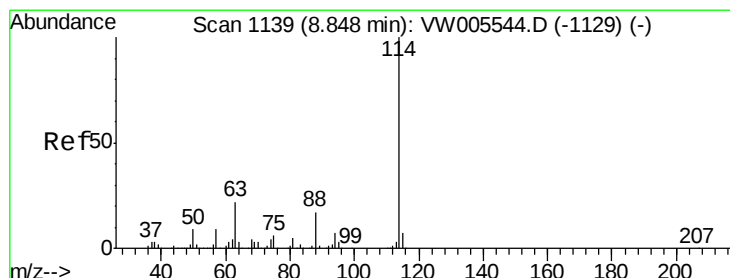
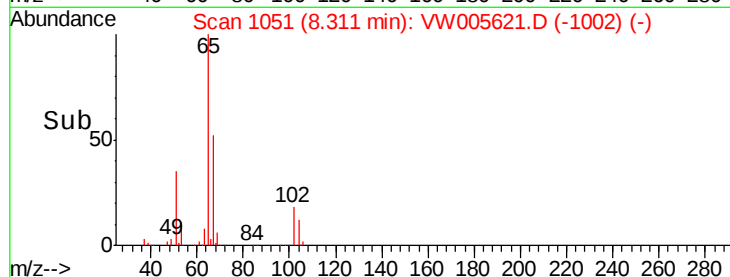
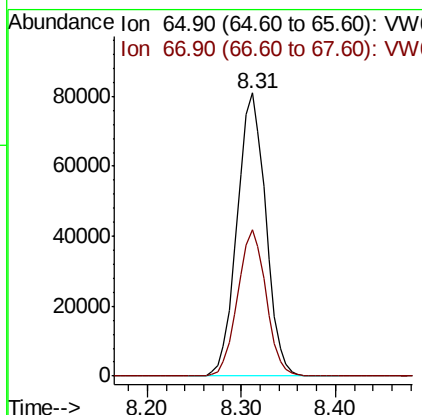
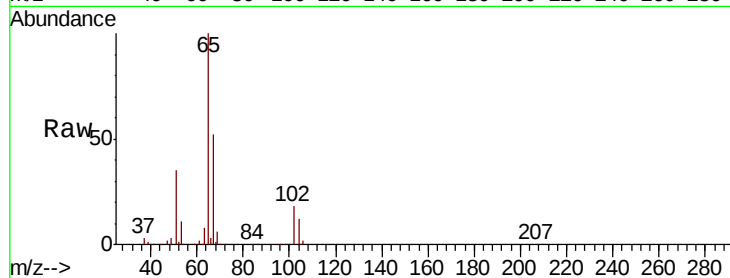




#33
 1,2-Dichloroethane-d4
 Concen: 53.558 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005621.D
 Acq: 25 Sep 2018 19:36

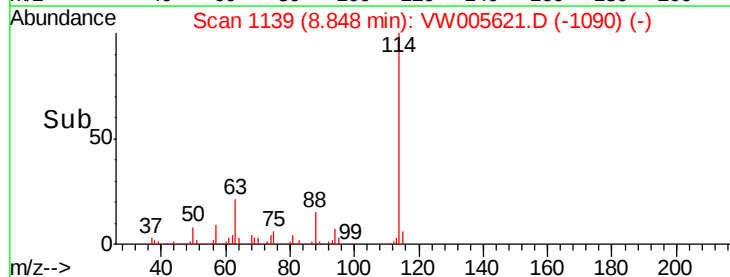
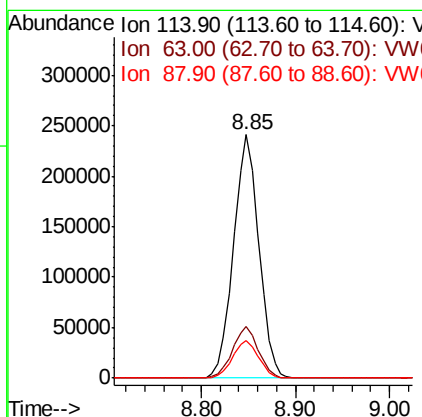
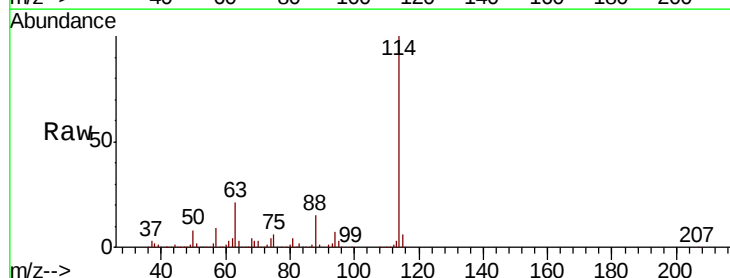
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 EP1-Q1-H3

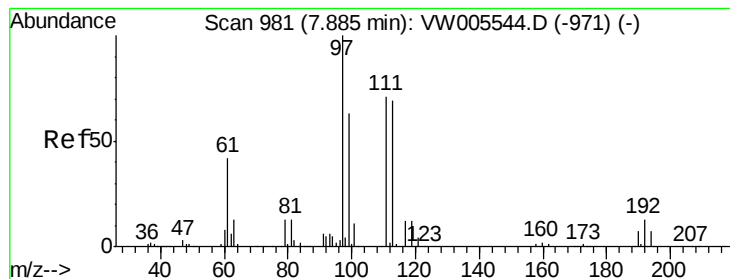
Tgt Ion: 65 Resp: 171963
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005621.D
 Acq: 25 Sep 2018 19:36

Tgt Ion: 114 Resp: 449227
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.0
 88 15.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.752 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005621.D

Acq: 25 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-H3

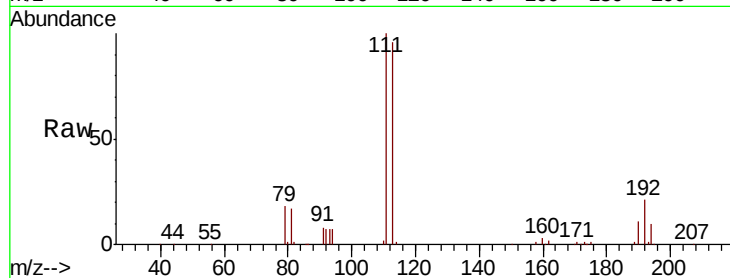
Tgt Ion: 113 Resp: 140551

Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

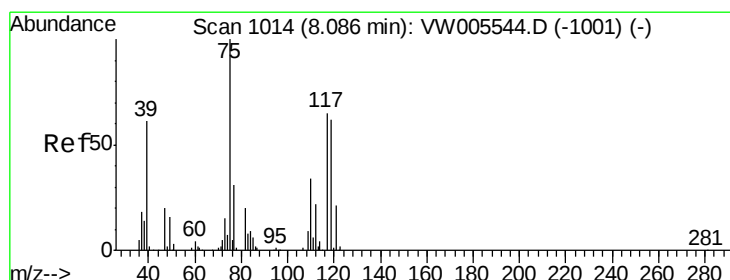
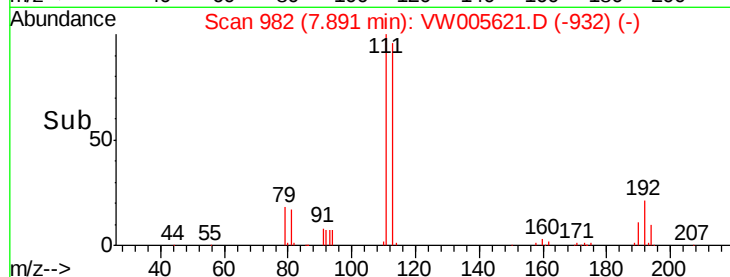
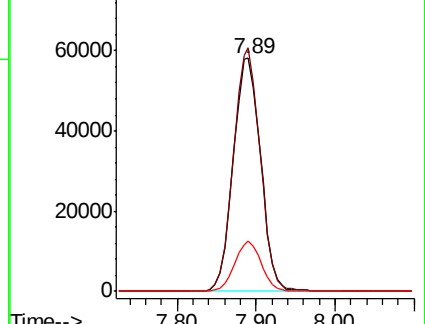
192 20.8 17.0 25.4



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: 4.648 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005621.D

Acq: 25 Sep 2018 19:36

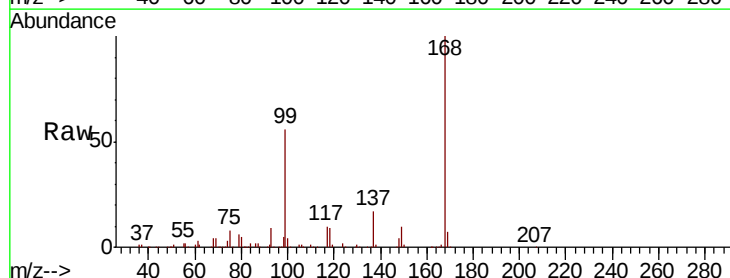
Tgt Ion: 75 Resp: 21018

Ion Ratio Lower Upper

75 100

110 9.0 17.0 50.9#

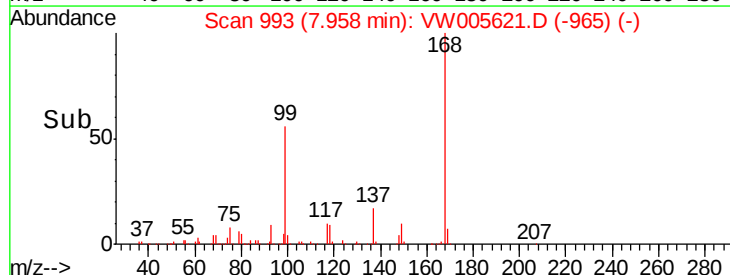
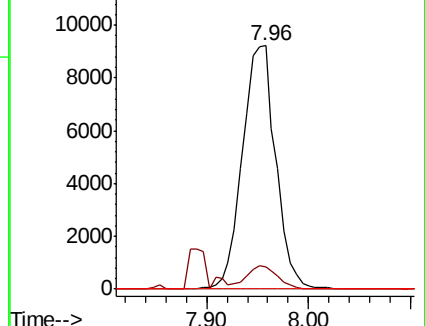
77 0.0 24.8 37.2#

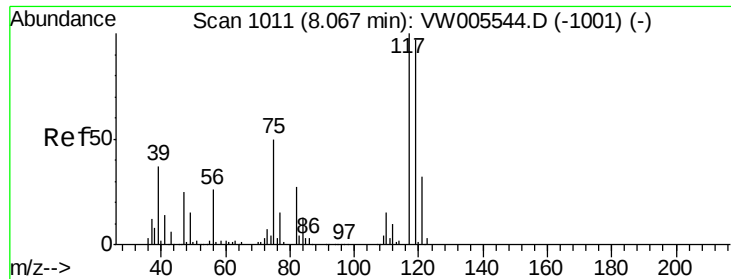


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.464 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005621.D

Acq: 25 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampled :

EP1-Q1-H3

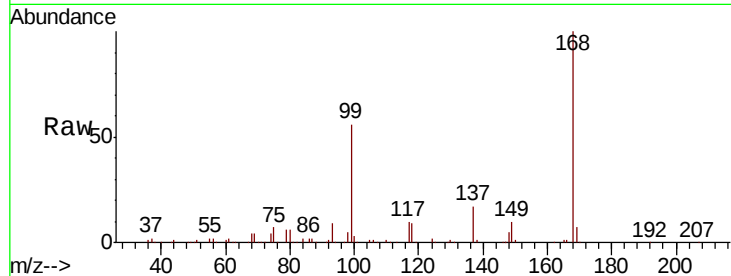
Tgt Ion:117 Resp: 26480

Ion Ratio Lower Upper

117 100

119 5.0 77.6 116.4#

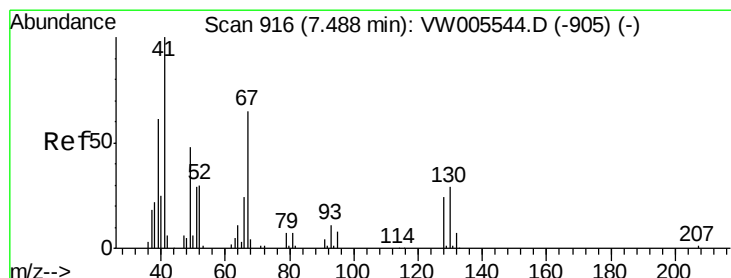
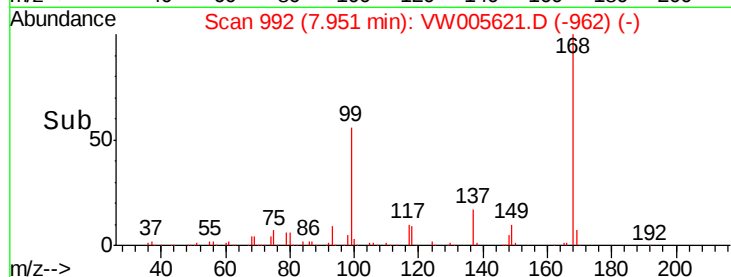
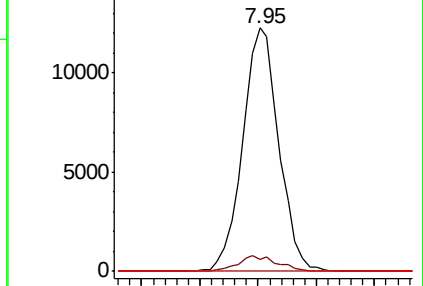
121 0.0 25.7 38.5#



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: 5.439 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW005621.D

Acq: 25 Sep 2018 19:36

Tgt Ion: 41 Resp: 5890

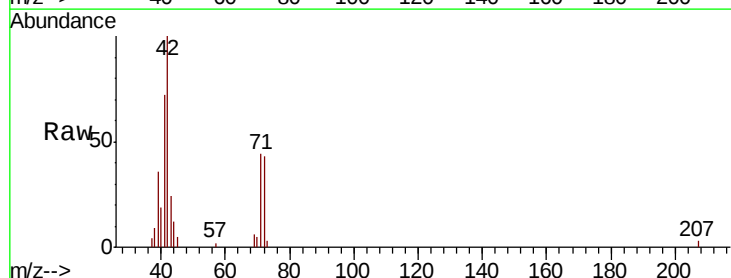
Ion Ratio Lower Upper

41 100

39 56.1 45.4 68.2

67 0.0 55.2 82.8#

52 0.0 25.3 37.9#

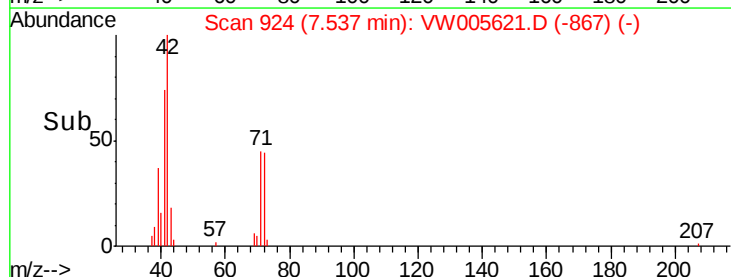
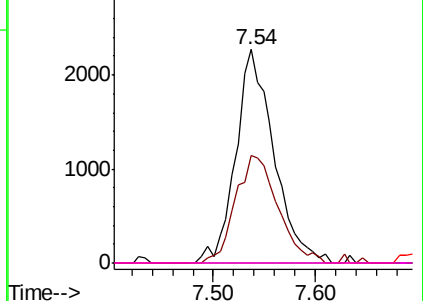


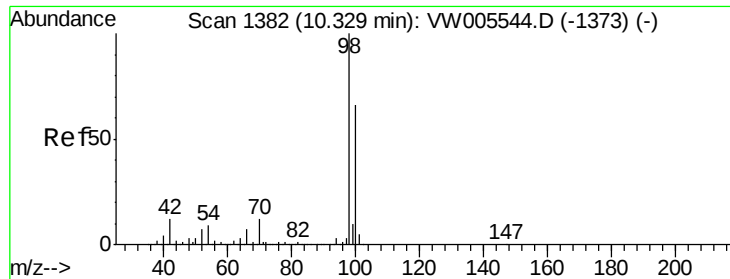
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 38.001 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005621.D

Acq: 25 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

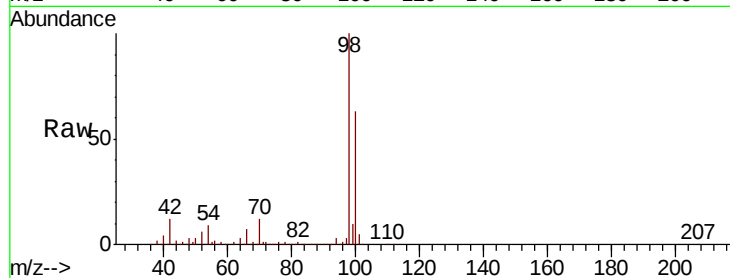
EP1-Q1-H3

Tgt Ion: 98 Resp: 437124

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

250000

200000

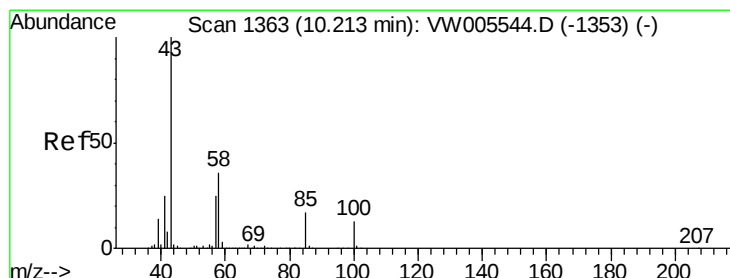
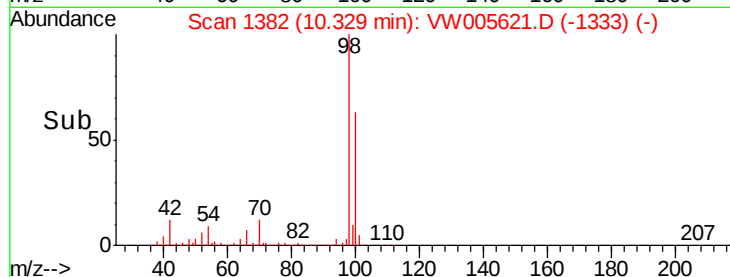
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.161 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW005621.D

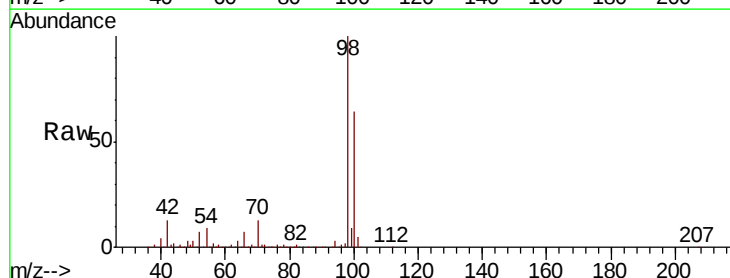
Acq: 25 Sep 2018 19:36

Tgt Ion: 43 Resp: 2188

Ion Ratio Lower Upper

43 100

58 165.1 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2000

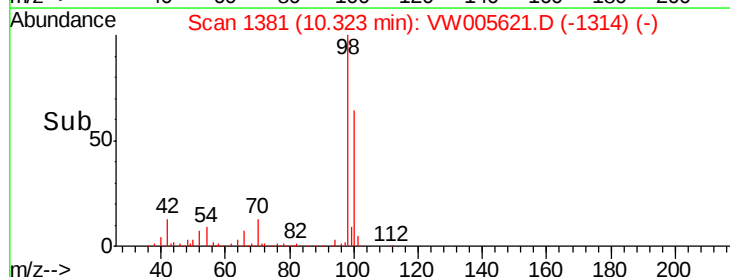
1500

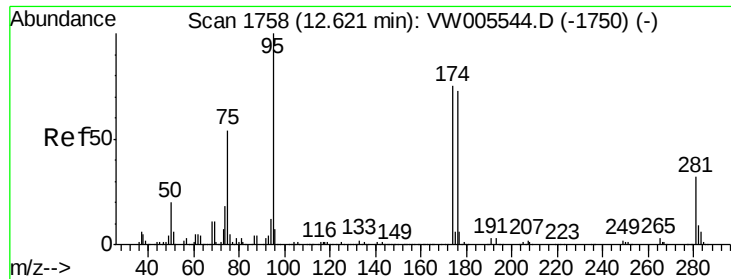
1000

500

0

Time-->

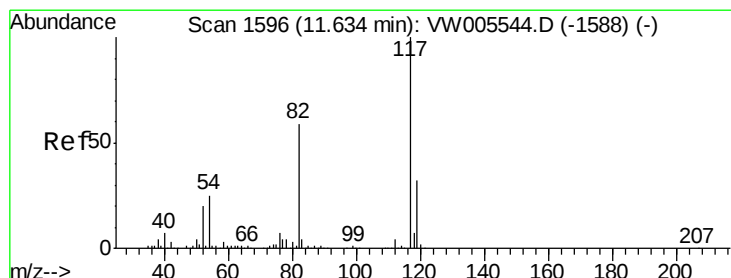
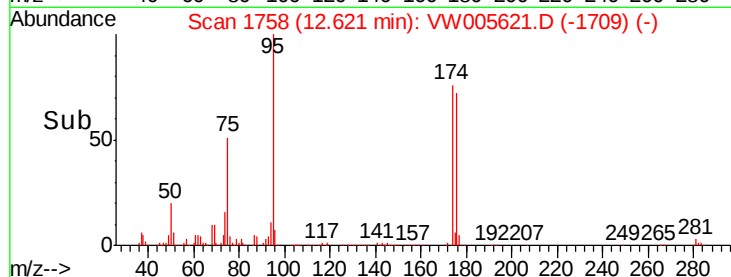
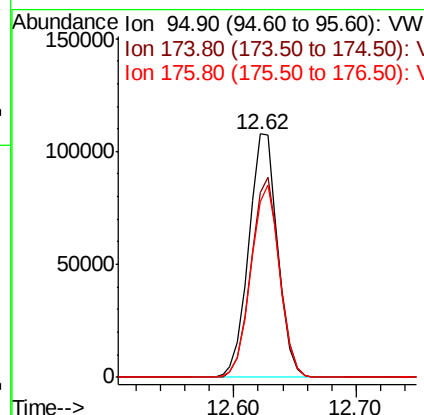
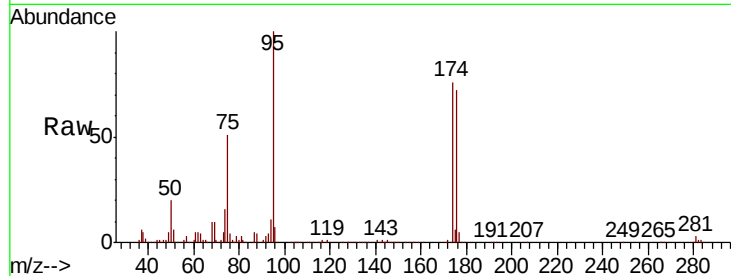




#62
4-Bromofluorobenzene
Concen: 41.501 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005621.D
Acq: 25 Sep 2018 19:36

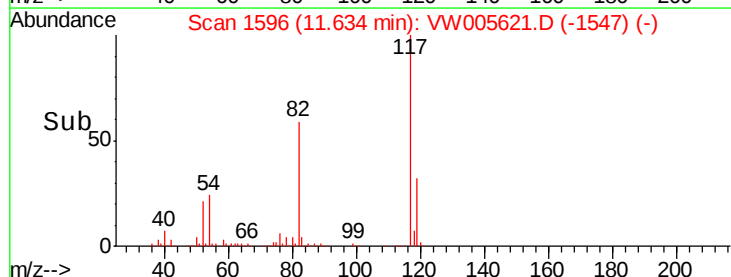
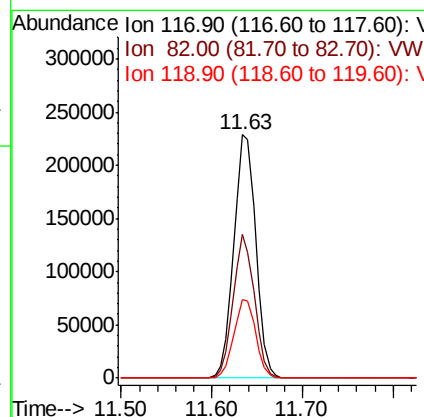
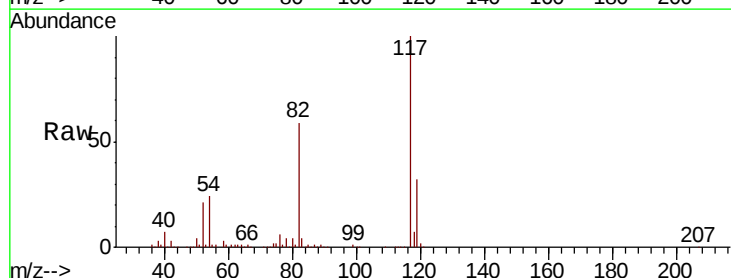
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-H3

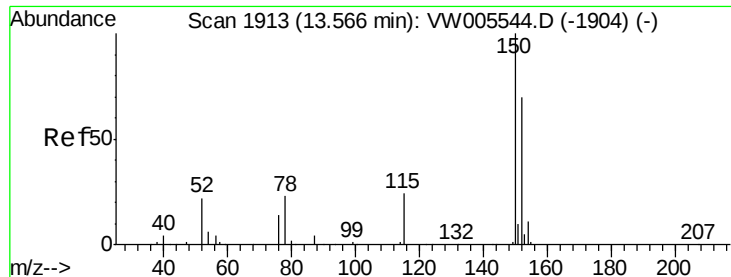
Tgt Ion: 95 Resp: 176642
Ion Ratio Lower Upper
95 100
174 81.3 0.0 163.8
176 78.5 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005621.D
Acq: 25 Sep 2018 19:36

Tgt Ion: 117 Resp: 385358
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 32.3 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: VW005621.D

Acq: 25 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-H3

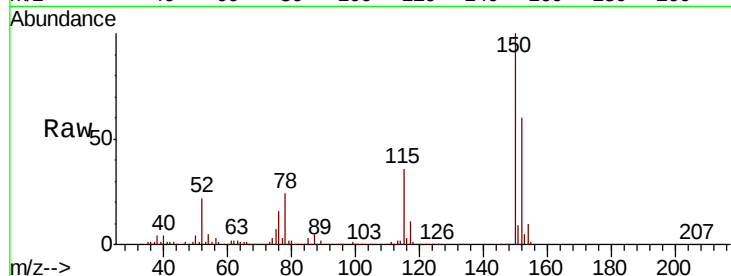
Tgt Ion: 152 Resp: 175781

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

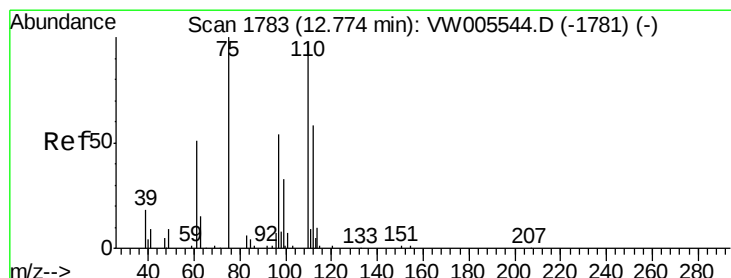
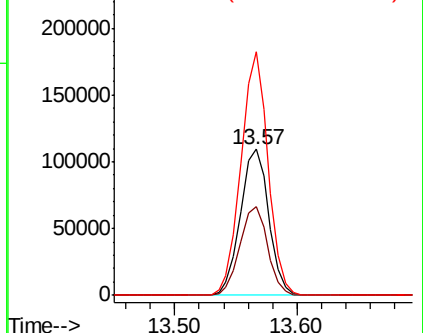
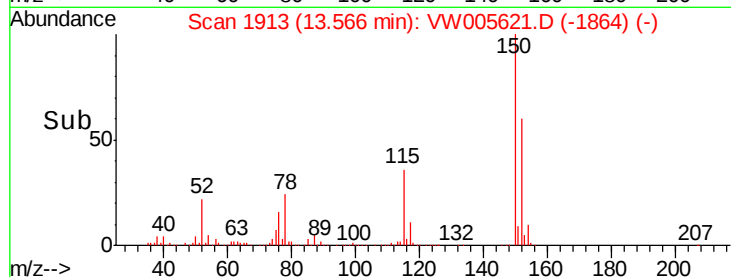
150 158.4 0.0 348.6



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: 60.619 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005621.D

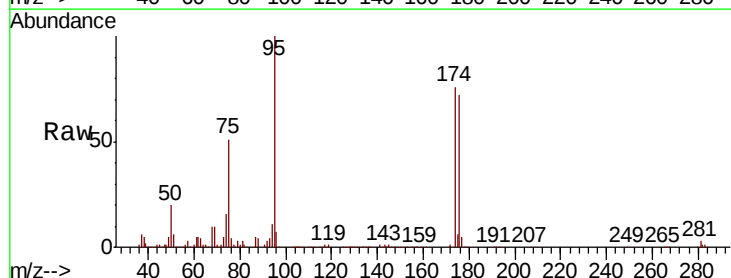
Acq: 25 Sep 2018 19:36

Tgt Ion: 75 Resp: 90832

Ion Ratio Lower Upper

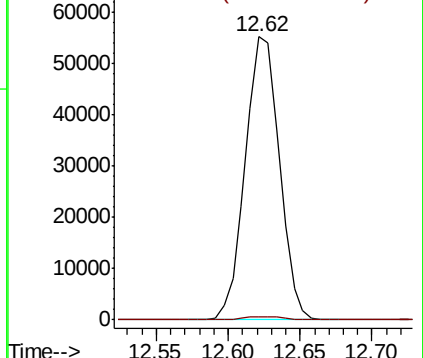
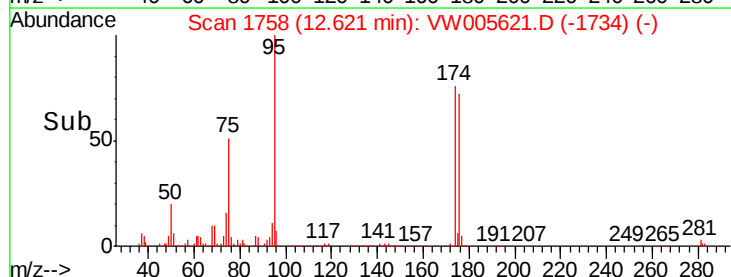
75 100

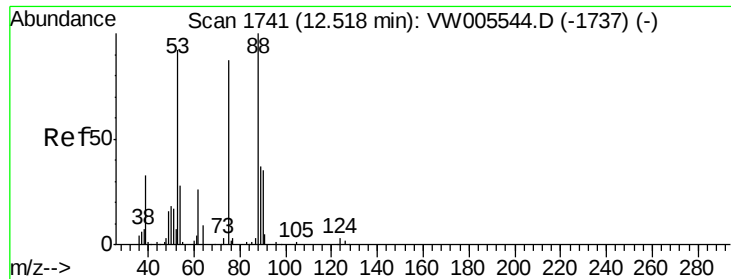
77 1.4 0.0 0.0#



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: 136.532 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005621.D

Acq: 25 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-H3

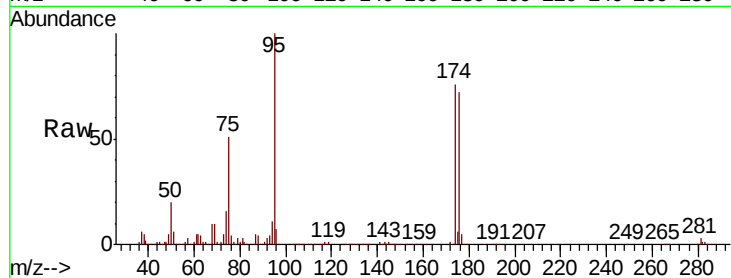
Tgt Ion: 75 Resp: 90832

Ion Ratio Lower Upper

75 100

53 0.3 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

