

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
 Data File : VW005624.D
 Acq On : 25 Sep 2018 20:54
 Operator : VA/AP
 Sample : J5066-14
 Misc : 4.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-I2

Quant Time: Sep 26 04:16:57 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

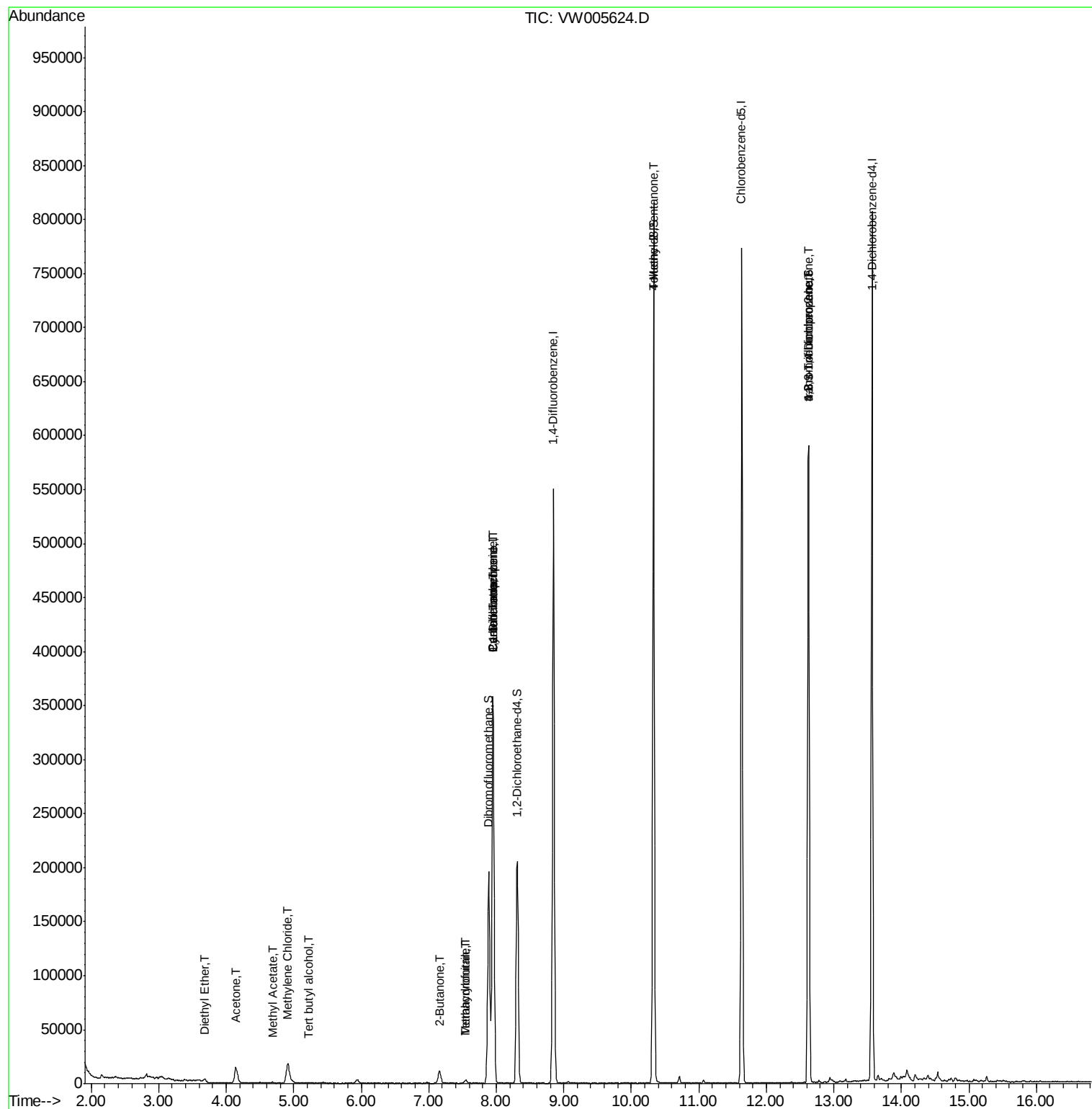
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	263505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	438645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	428480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	212489	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	170528	54.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.86%	
35) Dibromofluoromethane	7.89	113	137995	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
50) Toluene-d8	10.33	98	529623	47.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.63	95	193473	46.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.10%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1841	1.423	ug/l	85
11) Tert butyl alcohol	5.23	59	842	2.909	ug/l #	79
16) Acetone	4.14	43	28623	51.145	ug/l	97
18) Methyl Acetate	4.68	43	1676	1.139	ug/l #	73
20) Methylene Chloride	4.90	84	15338	1.760	ug/l	91
25) 2-Butanone	7.15	43	898	1.191	ug/l #	50
29) Tetrahydrofuran	7.54	42	2398	5.091	ug/l	96
31) Cyclohexane	7.95	56	5908	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20166	4.567	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25636	5.418	ug/l #	15
41) Methacrylonitrile	7.55	41	1566	1.481	ug/l #	39
51) 4-Methyl-2-Pentanone	10.32	43	2642	1.436	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	99856	55.129	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	99856	124.166	ug/l #	7

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

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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: VW005624.D

Acq: 25 Sep 2018 20:54

Instrument :

MSVOA_W

ClientSampleId :

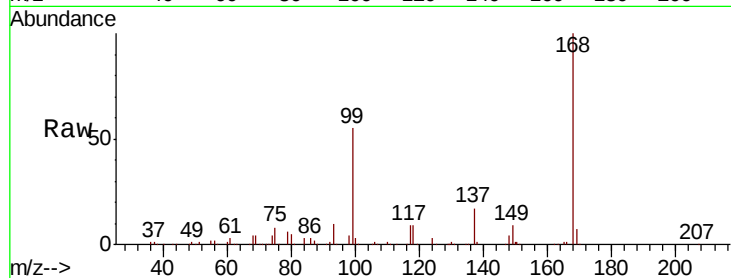
EP1-Q1-I2

Tgt Ion:168 Resp: 263505

Ion Ratio Lower Upper

168 100

99 55.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

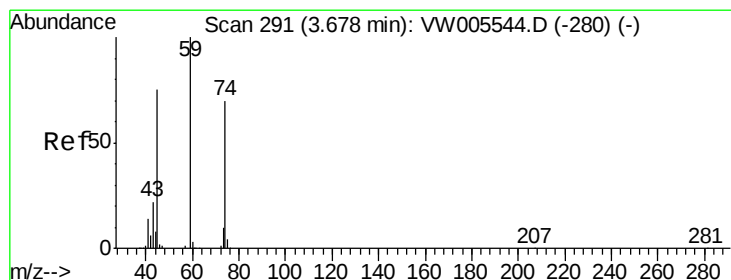
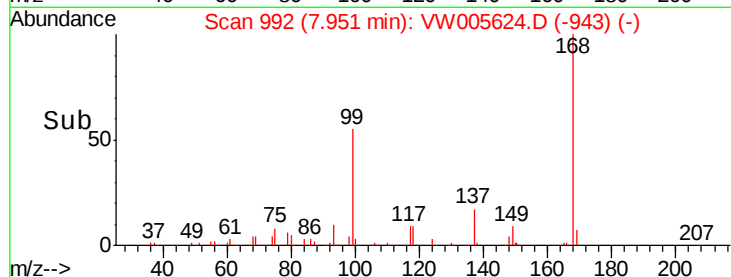
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.423 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005624.D

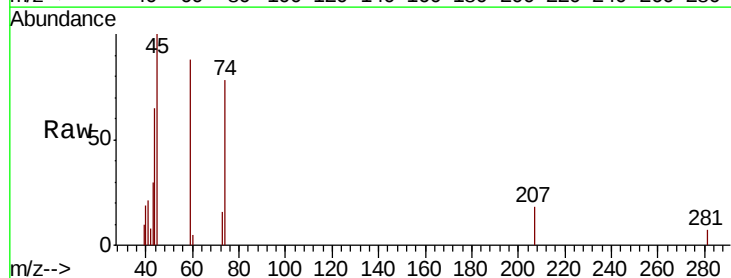
Acq: 25 Sep 2018 20:54

Tgt Ion: 74 Resp: 1841

Ion Ratio Lower Upper

74 100

45 118.5 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

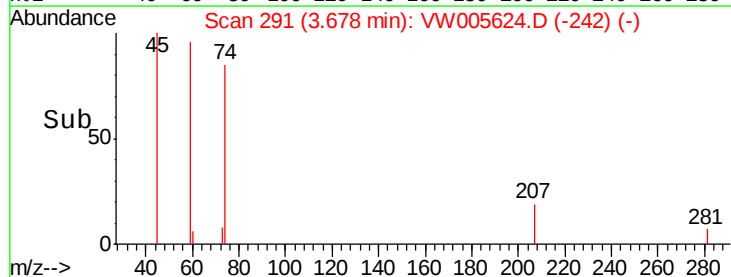
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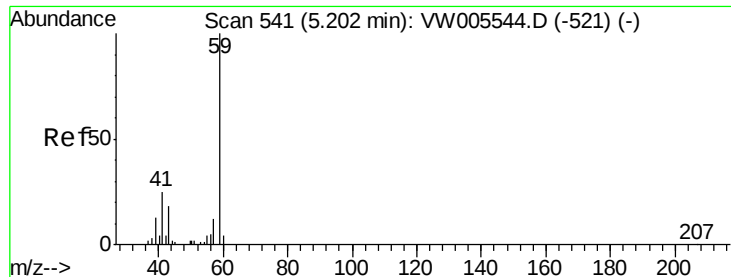
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200

0

Time-->

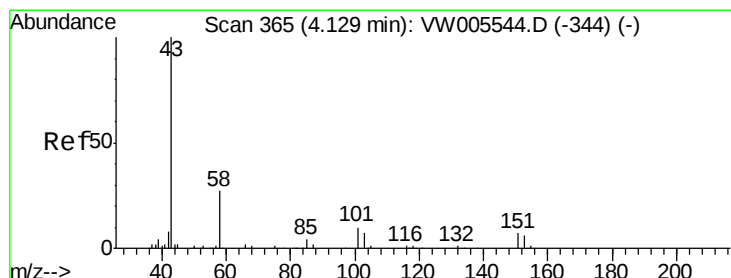
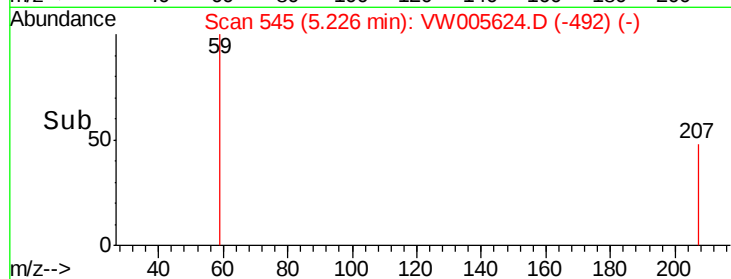
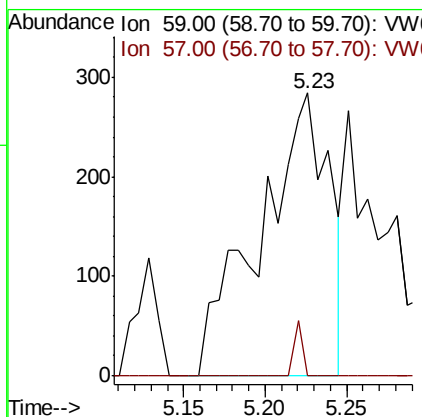
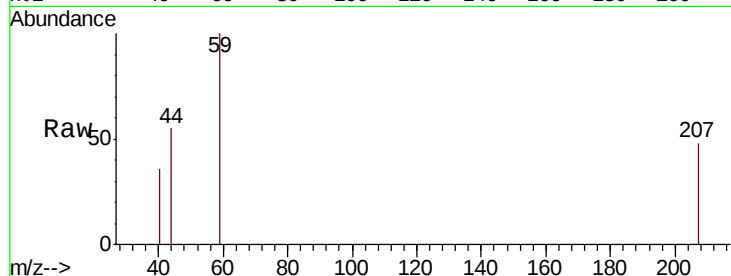




#11
Tert butyl alcohol
Concen: 2.909 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.02 min
Lab File: VW005624.D
Acq: 25 Sep 2018 20:54

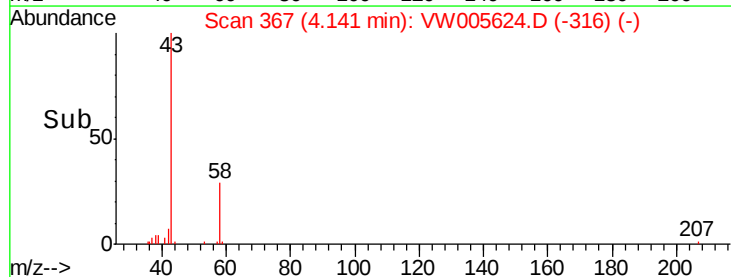
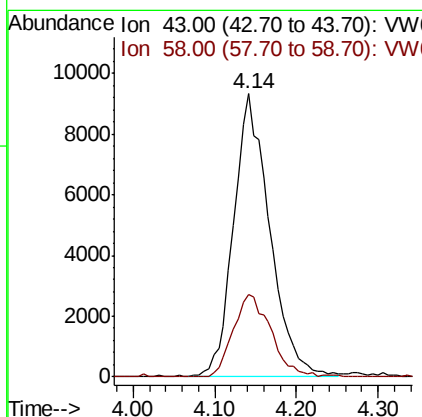
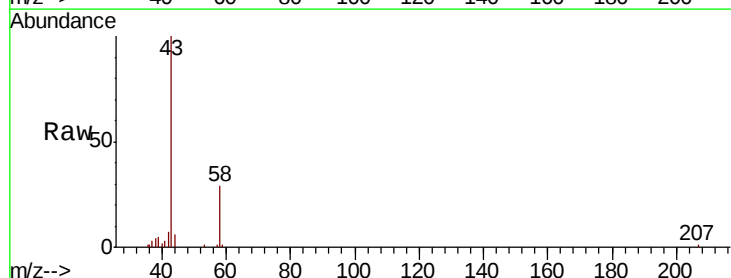
Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-I2

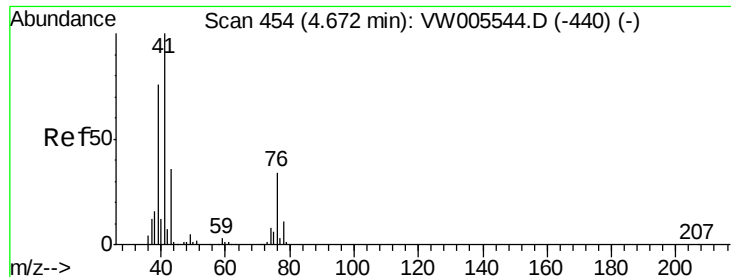
Tgt Ion: 59 Resp: 842
Ion Ratio Lower Upper
59 100
57 2.4 8.3 12.5#



#16
Acetone
Concen: 51.145 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW005624.D
Acq: 25 Sep 2018 20:54

Tgt Ion: 43 Resp: 28623
Ion Ratio Lower Upper
43 100
58 29.0 21.8 32.8

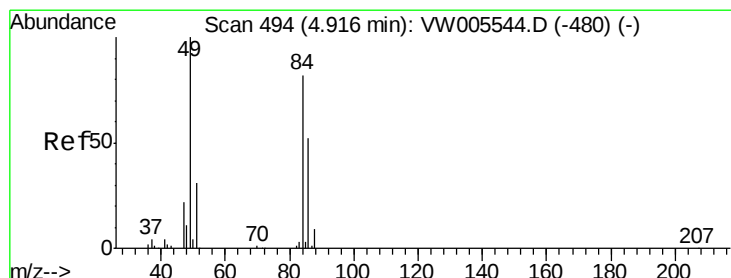
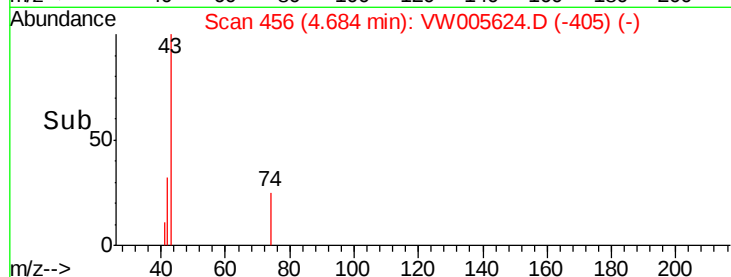
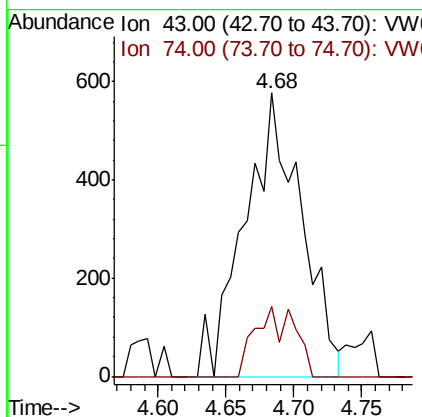
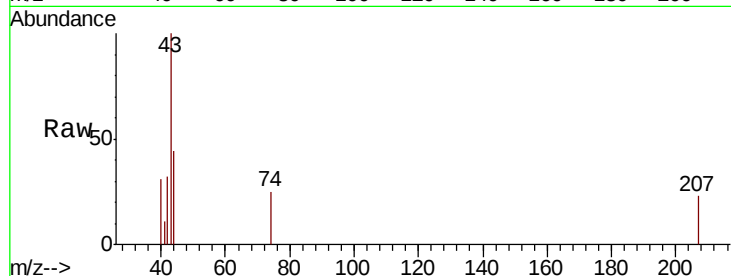




#18
Methyl Acetate
Concen: 1.139 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005624.D
Acq: 25 Sep 2018 20:54

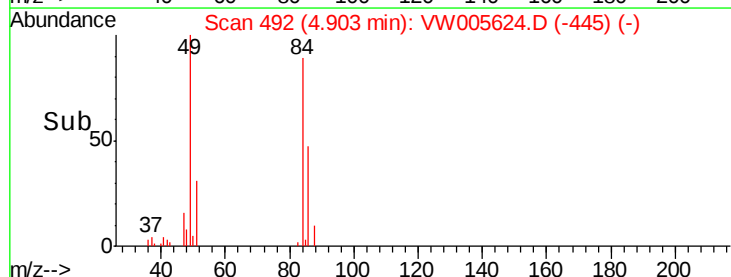
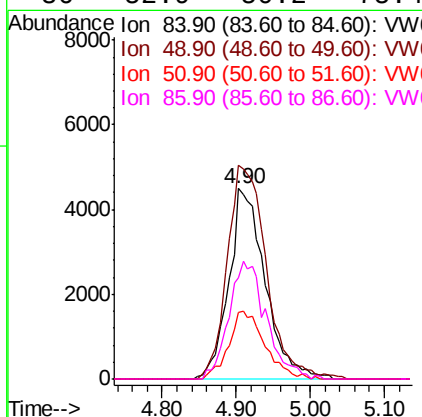
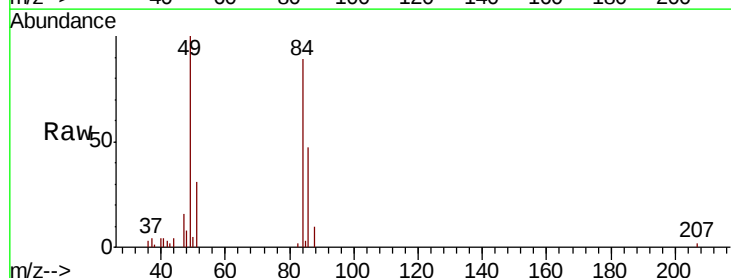
Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-I2

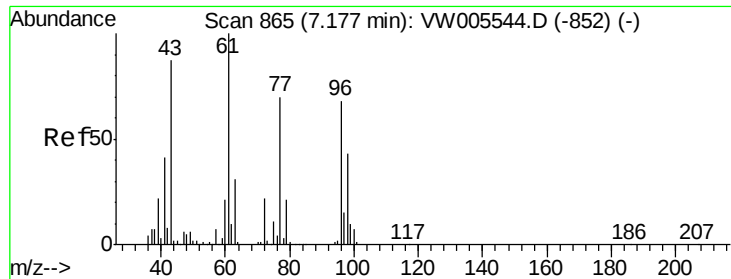
Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
74 10.7 19.2 28.8#



#20
Methylene Chloride
Concen: 1.760 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW005624.D
Acq: 25 Sep 2018 20:54

Tgt Ion: 84 Resp: 15338
Ion Ratio Lower Upper
84 100
49 112.2 97.0 145.6
51 34.9 30.2 45.2
86 52.9 50.2 75.4





#25

2-Butanone

Concen: 1.191 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005624.D

Acq: 25 Sep 2018 20:54

Instrument :

MSVOA_W

ClientSampleId :

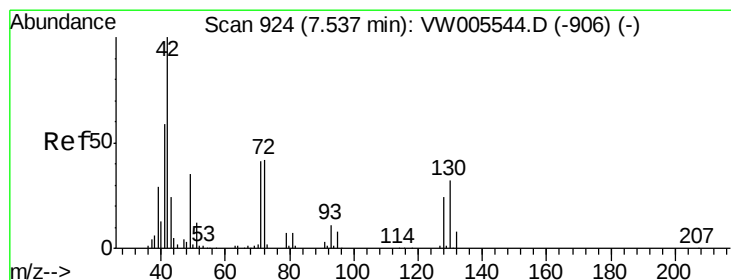
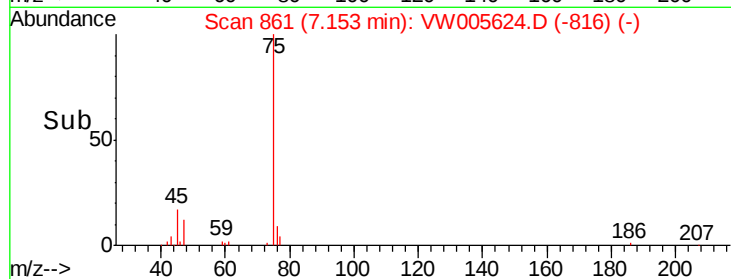
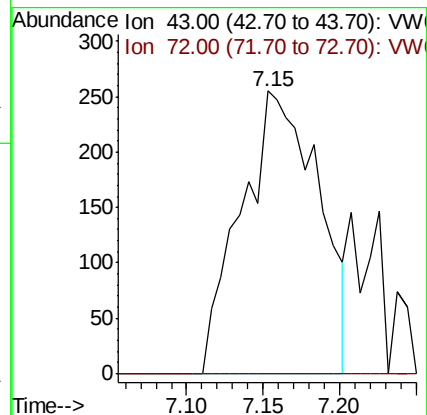
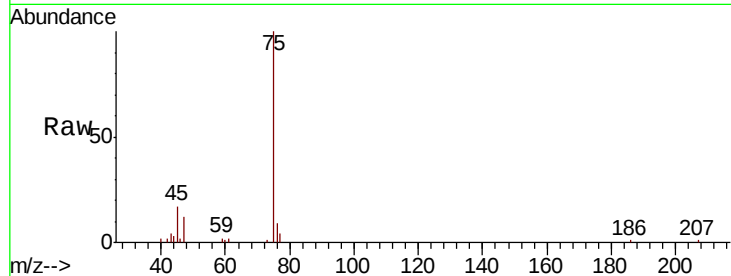
EP1-Q1-I2

Tgt Ion: 43 Resp: 898

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#29

Tetrahydrofuran

Concen: 5.091 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005624.D

Acq: 25 Sep 2018 20:54

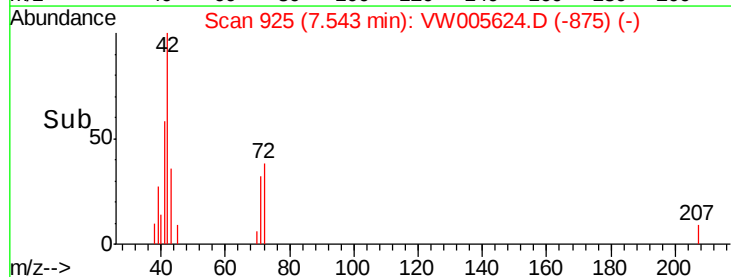
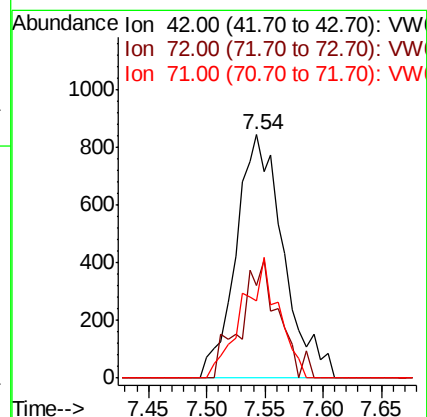
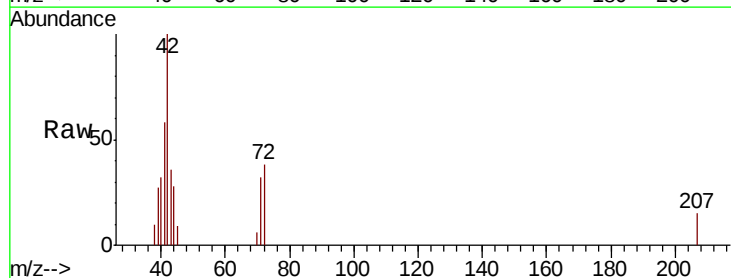
Tgt Ion: 42 Resp: 2398

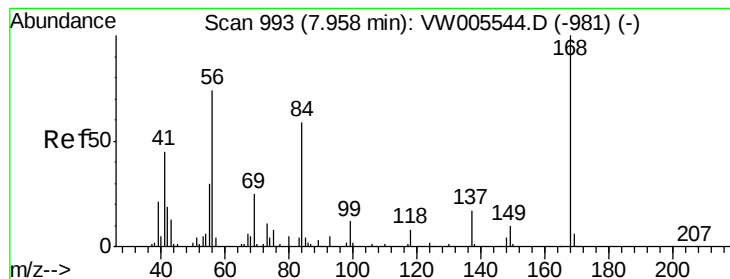
Ion Ratio Lower Upper

42 100

72 38.8 33.6 50.4

71 38.4 31.8 47.6





#31

Cyclohexane

Concen: 1.228 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005624.D

Acq: 25 Sep 2018 20:54

Instrument :

MSVOA_W

ClientSampleId :

EP1-Q1-I2

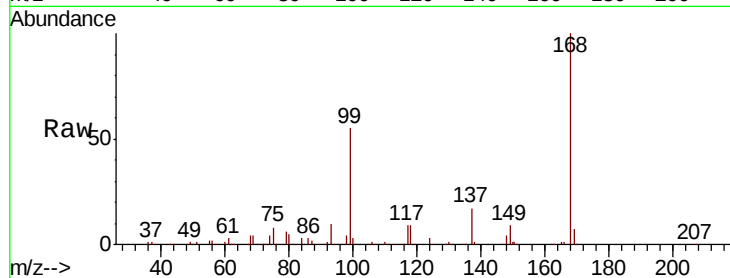
Tgt Ion: 56 Resp: 5908

Ion Ratio Lower Upper

56 100

69 167.4 27.0 40.4#

84 127.6 64.2 96.4#

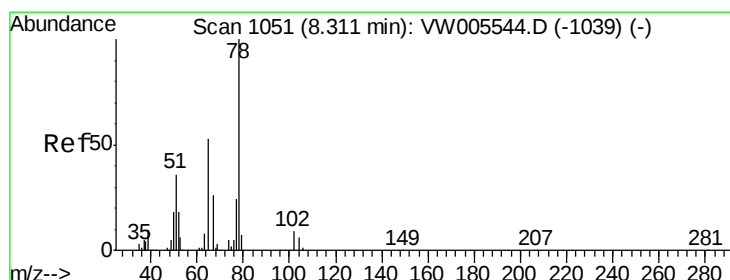
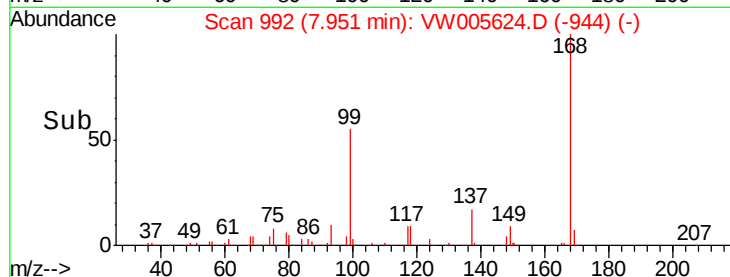
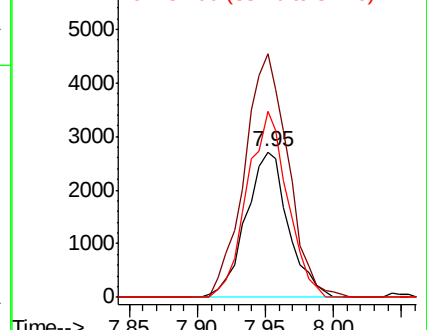


Abundance

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: 54.933 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005624.D

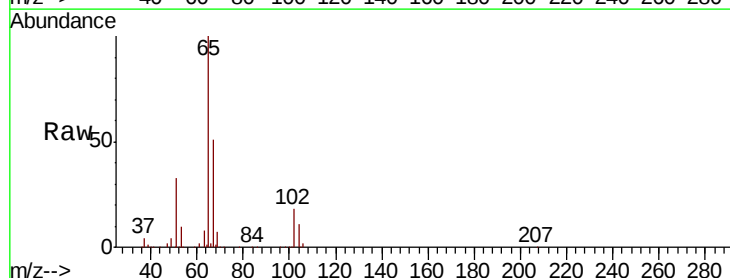
Acq: 25 Sep 2018 20:54

Tgt Ion: 65 Resp: 170528

Ion Ratio Lower Upper

65 100

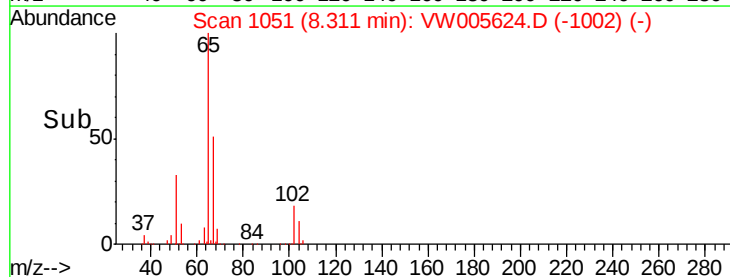
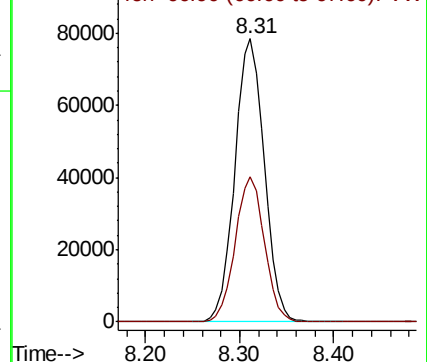
67 50.8 0.0 100.6

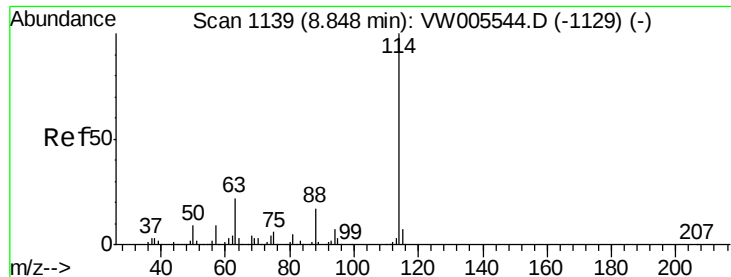


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

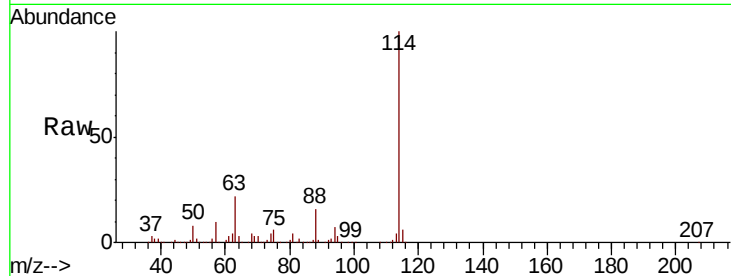




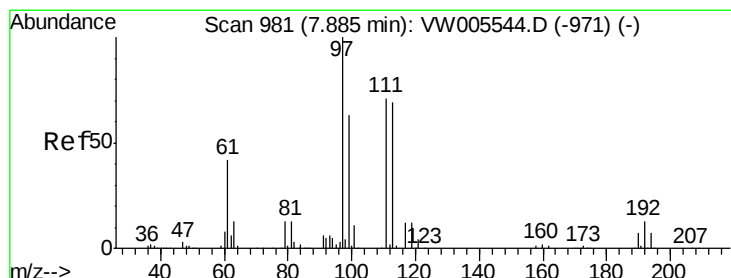
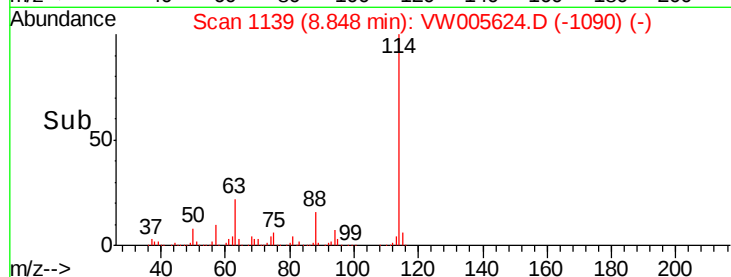
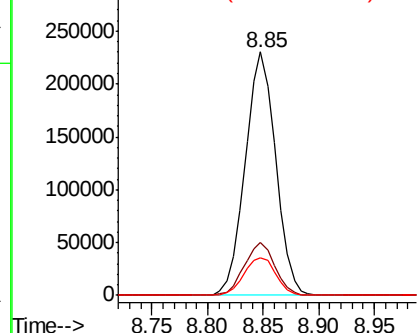
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005624.D
 Acq: 25 Sep 2018 20:54

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-I2

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.0
88	15.6	0.0	33.0

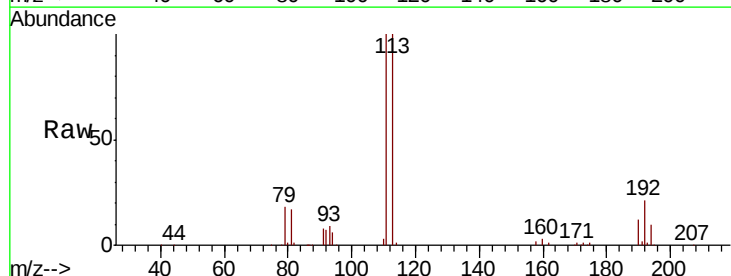


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

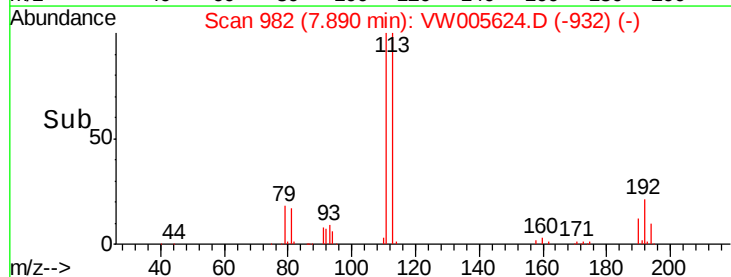
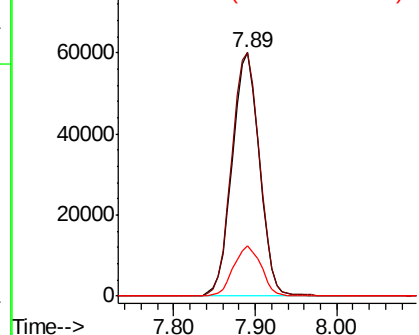


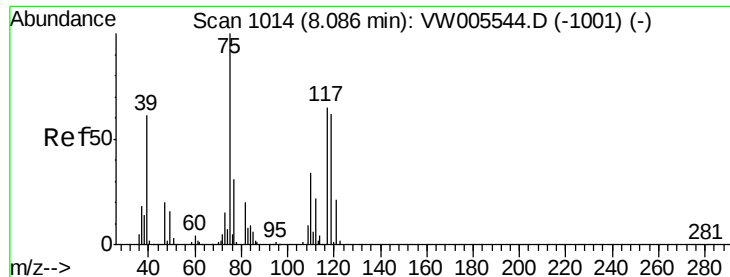
#35
 Dibromofluoromethane
 Concen: 50.026 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005624.D
 Acq: 25 Sep 2018 20:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	21.0	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

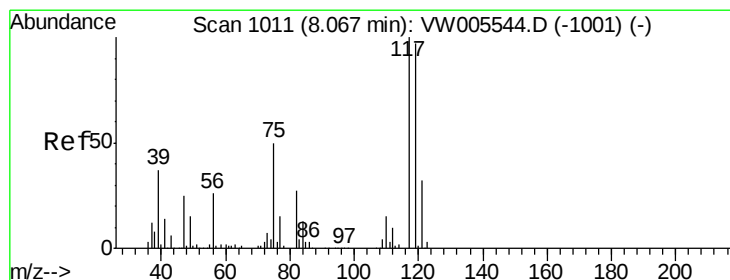
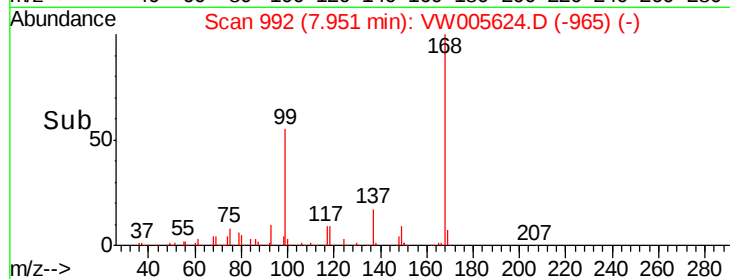
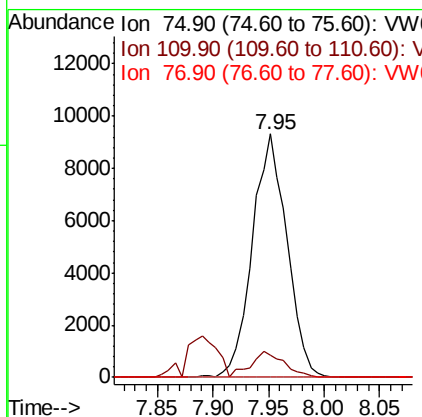
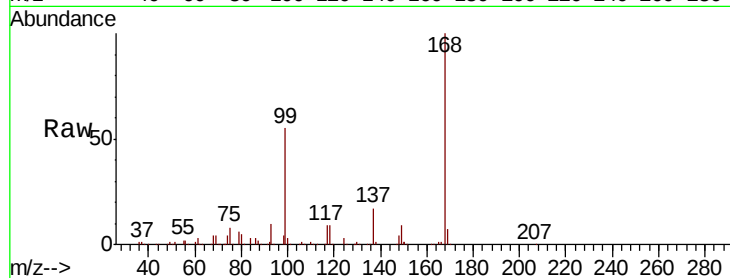




#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005624.D
 Acq: 25 Sep 2018 20:54

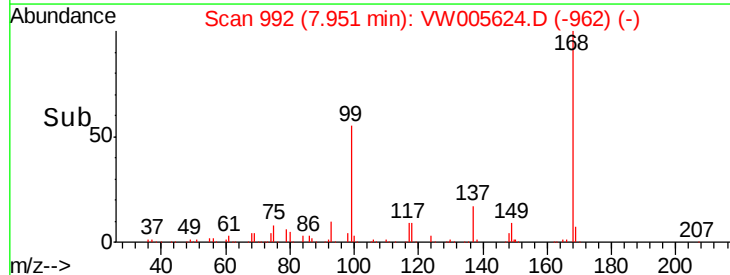
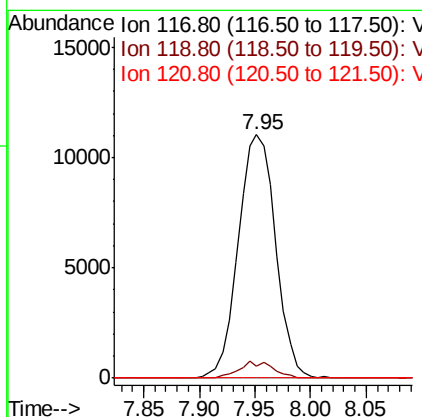
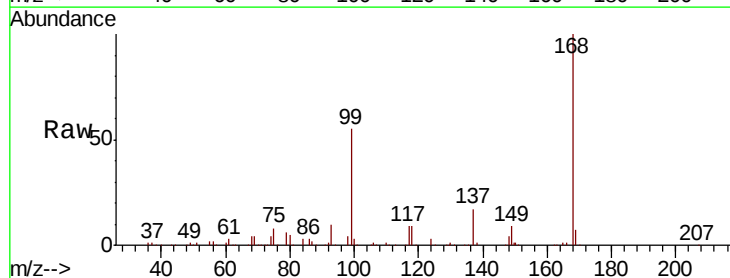
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-I2

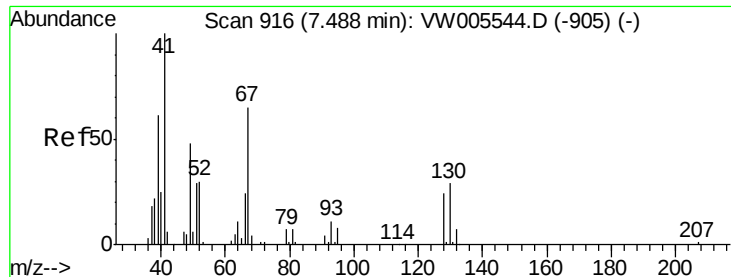
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.418 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005624.D
 Acq: 25 Sep 2018 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.6	116.4#
121	0.0	25.7	38.5#

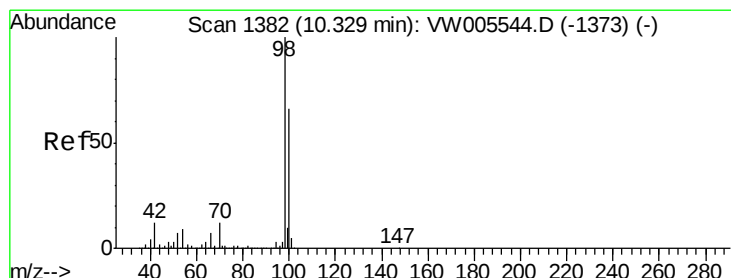
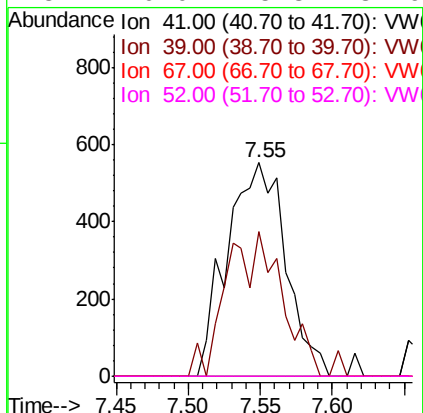
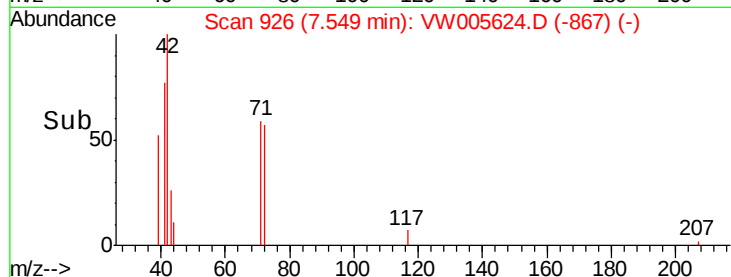
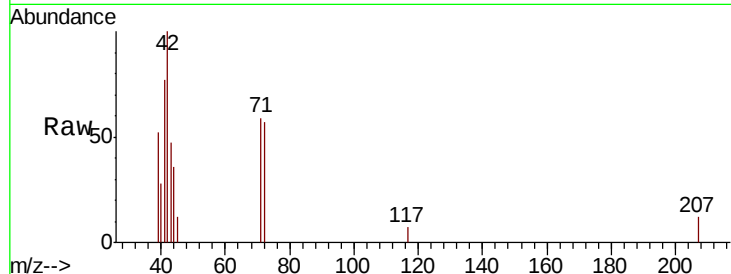




#41
Methacrylonitrile
Concen: 1.481 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.06 min
Lab File: VW005624.D
Acq: 25 Sep 2018 20:54

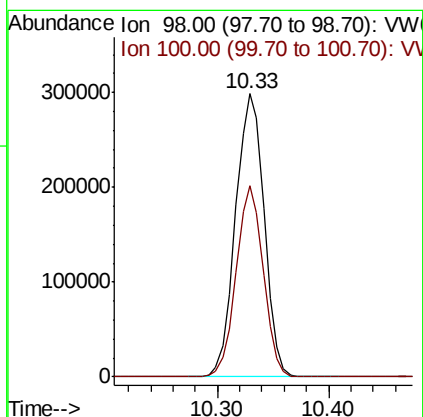
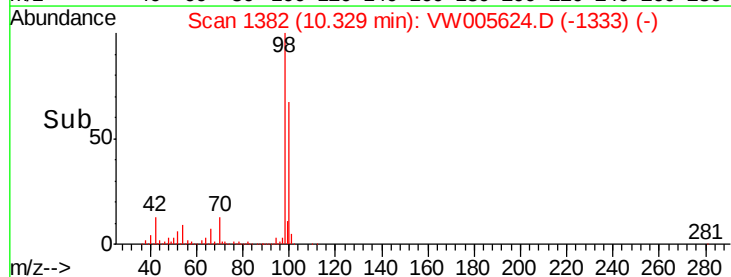
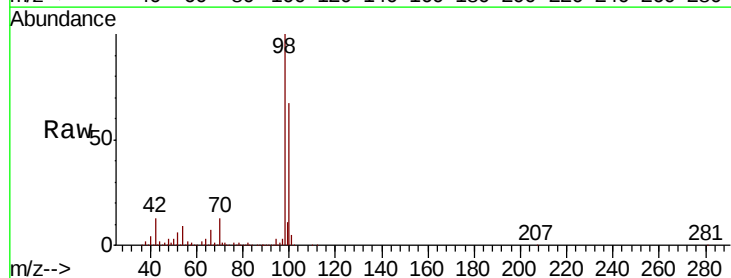
Instrument :
MSVOA_W
ClientSampled :
EP1-Q1-I2

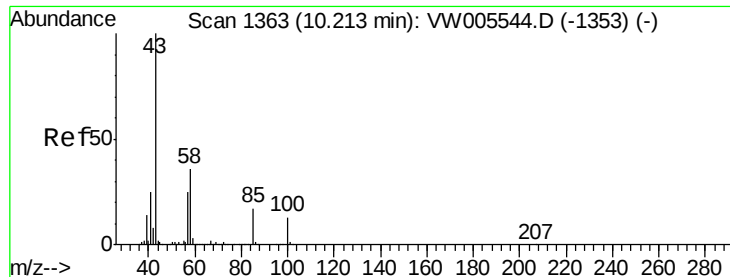
Tgt Ion: 41 Resp: 1566
Ion Ratio Lower Upper
41 100
39 31.7 45.4 68.2#
67 0.0 55.2 82.8#
52 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 47.153 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005624.D
Acq: 25 Sep 2018 20:54

Tgt Ion: 98 Resp: 529623
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.436 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW005624.D

Acq: 25 Sep 2018 20:54

Instrument :

MSVOA_W

ClientSampleId :

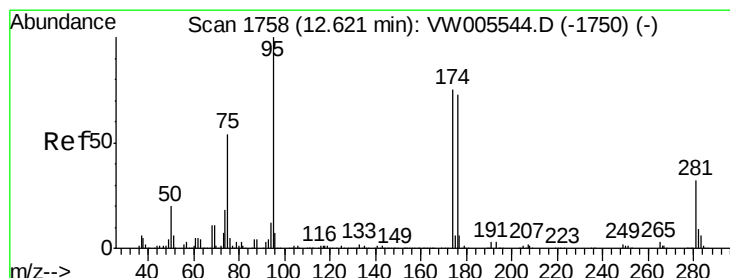
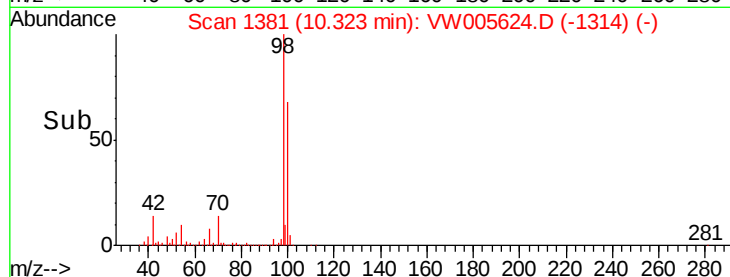
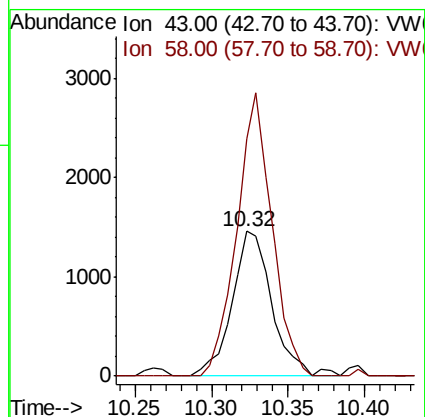
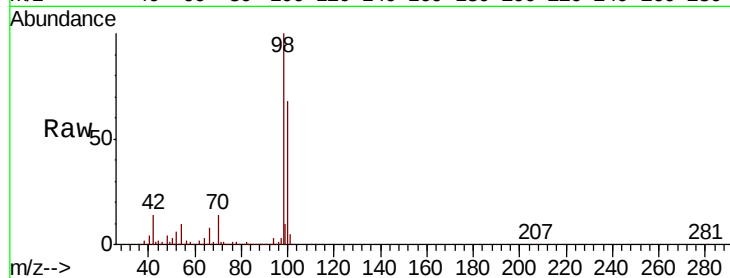
EP1-Q1-I2

Tgt Ion: 43 Resp: 2642

Ion Ratio Lower Upper

43 100

58 171.7 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 46.552 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005624.D

Acq: 25 Sep 2018 20:54

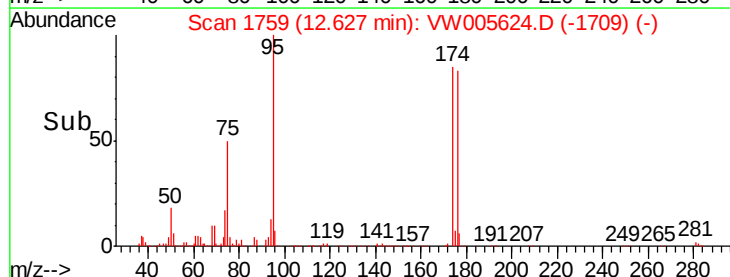
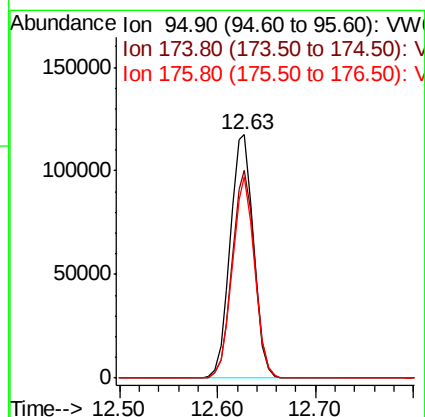
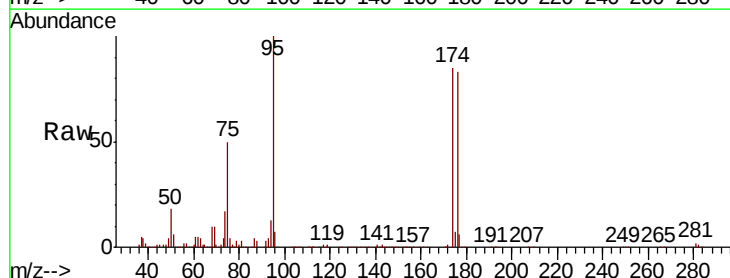
Tgt Ion: 95 Resp: 193473

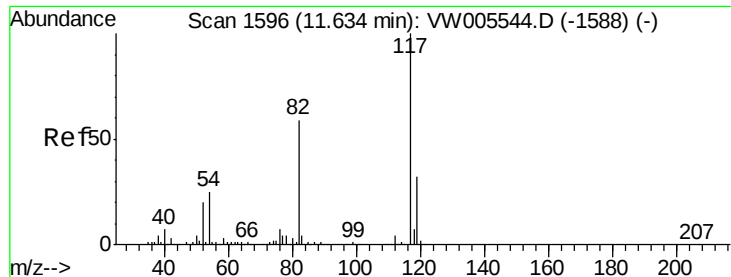
Ion Ratio Lower Upper

95 100

174 83.1 0.0 163.8

176 79.2 0.0 158.0

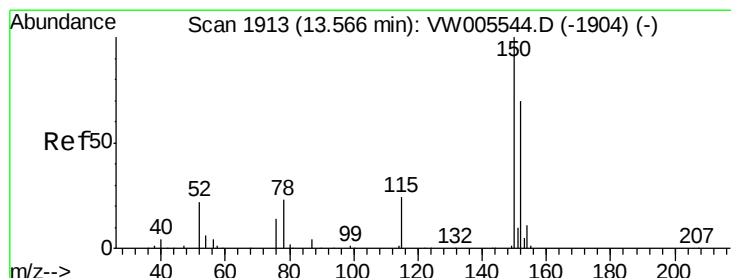
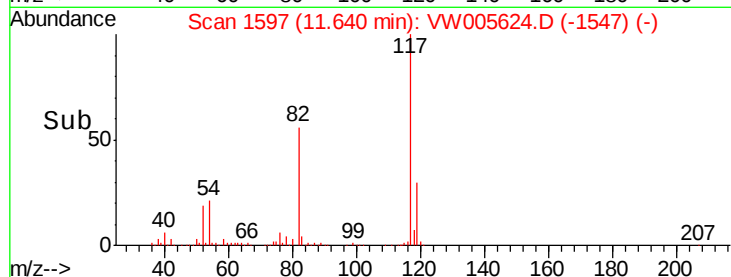
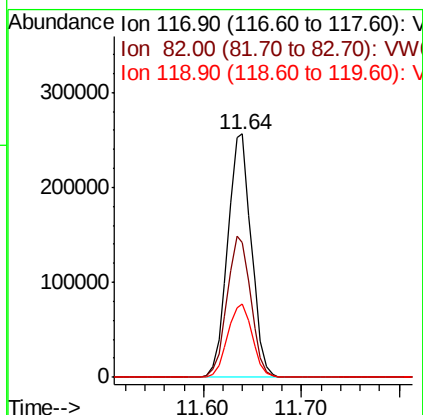
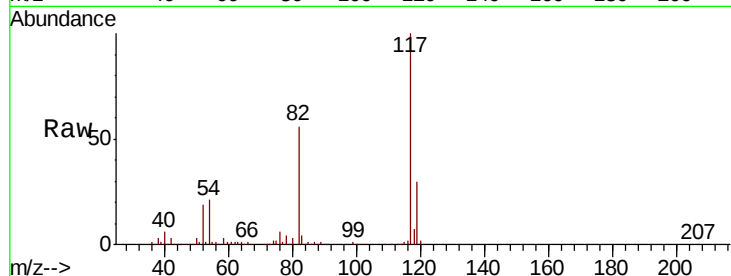




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005624.D
Acq: 25 Sep 2018 20:54

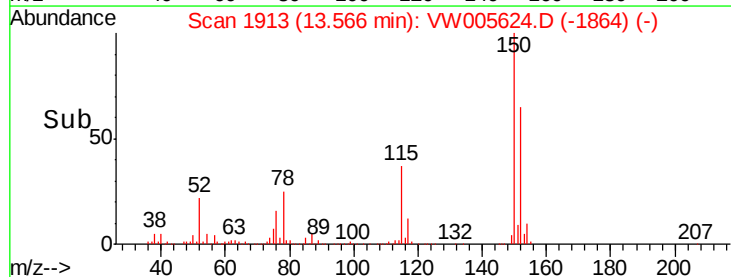
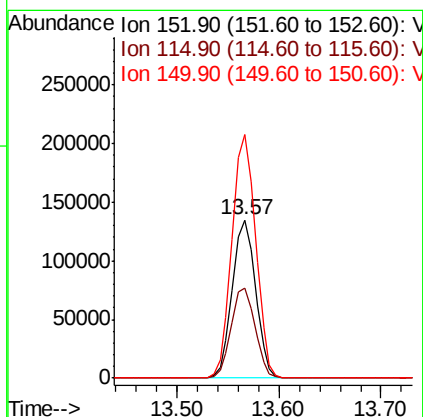
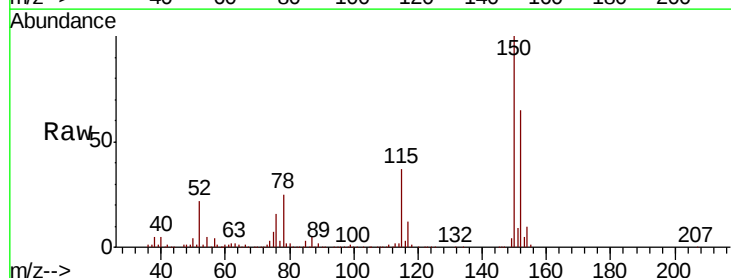
Instrument :
MSVOA_W
ClientSampleId :
EP1-Q1-I2

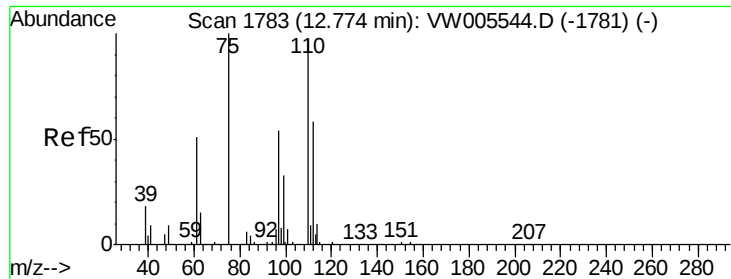
Tgt Ion:117 Resp: 428480
Ion Ratio Lower Upper
117 100
82 55.5 46.9 70.3
119 30.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005624.D
Acq: 25 Sep 2018 20:54

Tgt Ion:152 Resp: 212489
Ion Ratio Lower Upper
152 100
115 58.5 30.0 90.0
150 156.8 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 55.129 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005624.D

Acq: 25 Sep 2018 20:54

Instrument :

MSVOA_W

ClientSampleId :

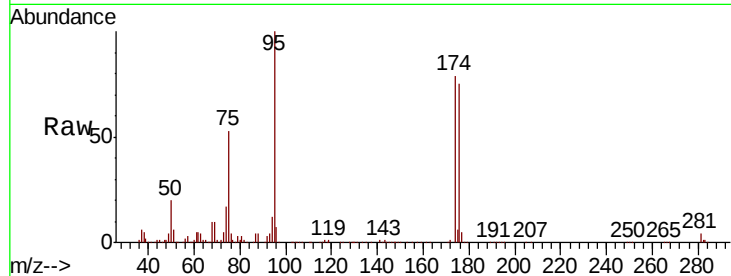
EP1-Q1-I2

Tgt Ion: 75 Resp: 99856

Ion Ratio Lower Upper

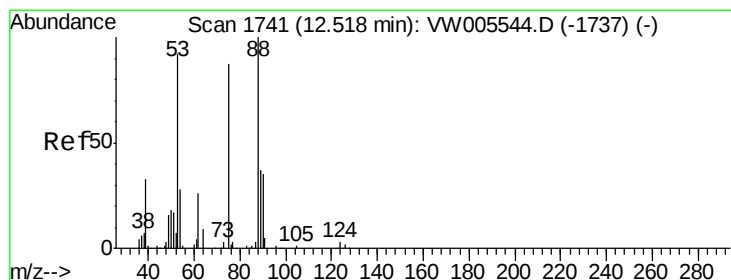
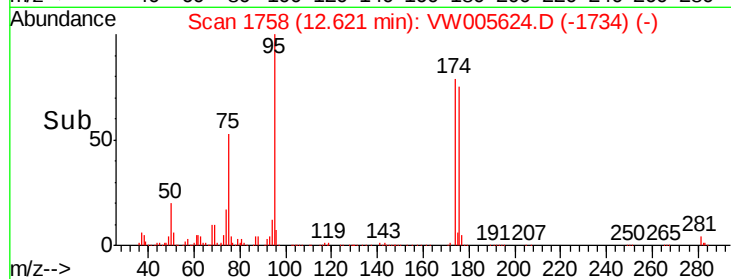
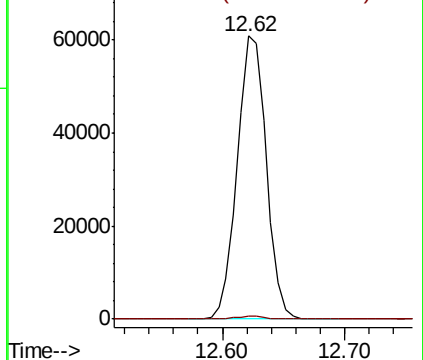
75 100

77 1.1 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: 124.166 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005624.D

Acq: 25 Sep 2018 20:54

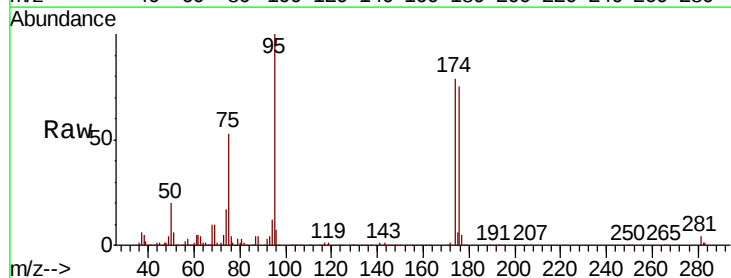
Tgt Ion: 75 Resp: 99856

Ion Ratio Lower Upper

75 100

53 0.2 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

