

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110318\
 Data File : VW006581.D
 Acq On : 02 Nov 2018 02:27
 Operator : SY/AP
 Sample : J5202-09RE
 Misc : 6.58G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-103018-BRE

Quant Time: Nov 02 07:59:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

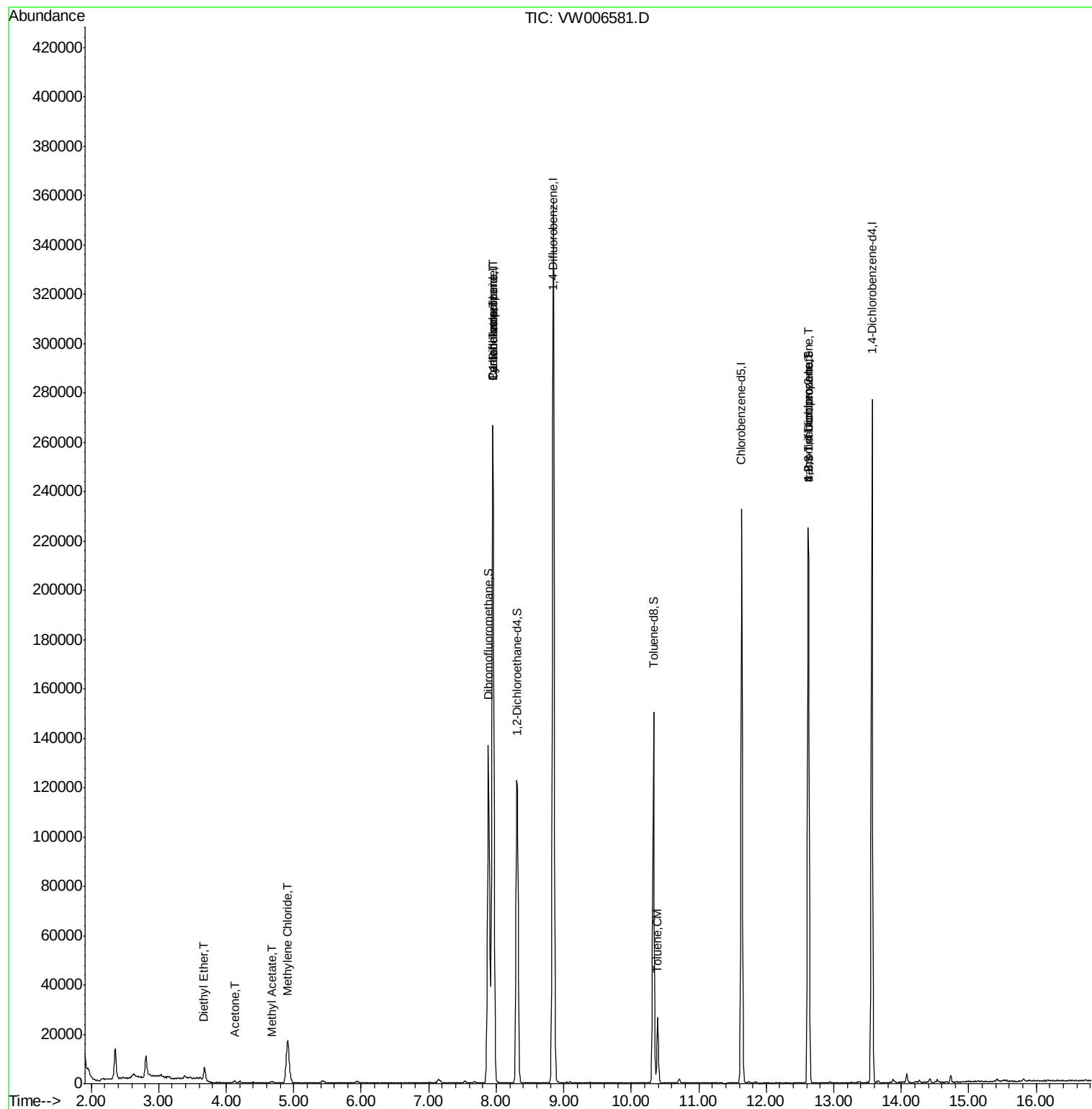
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	325241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	138248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	79933	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	97866	51.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.42%	
35) Dibromofluoromethane	7.88	113	94316	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
50) Toluene-d8	10.33	98	101206	13.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	26.04%	
62) 4-Bromofluorobenzene	12.62	95	69884	24.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.62%	
Target Compounds						
8) Diethyl Ether	3.67	74	3288	3.454	ug/l	89
16) Acetone	4.13	43	1397	4.572	ug/l	90
18) Methyl Acetate	4.67	43	1315	1.497	ug/l #	72
20) Methylene Chloride	4.91	84	14792	1.700	ug/l	96
31) Cyclohexane	7.95	56	3693	1.225	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	14034	4.907	ug/l #	48
38) Carbon Tetrachloride	7.95	117	19187	6.420	ug/l #	16
52) Toluene	10.39	92	11202	2.056	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	34620	55.511	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	34620	138.768	ug/l #	11

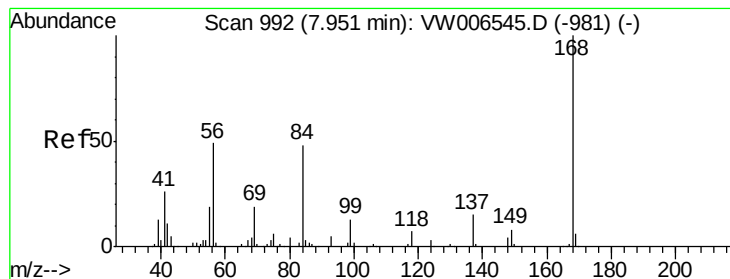
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006581.D

Acq: 02 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

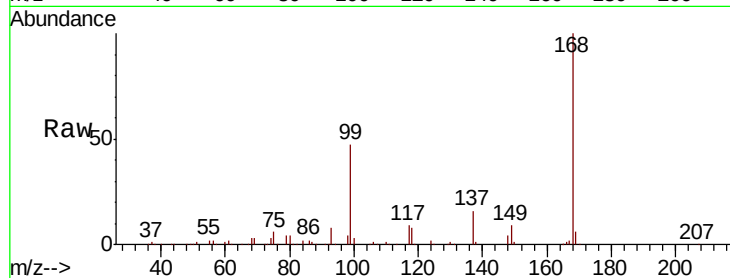
PL-02-103018-BRE

Tgt Ion:168 Resp: 220166

Ion Ratio Lower Upper

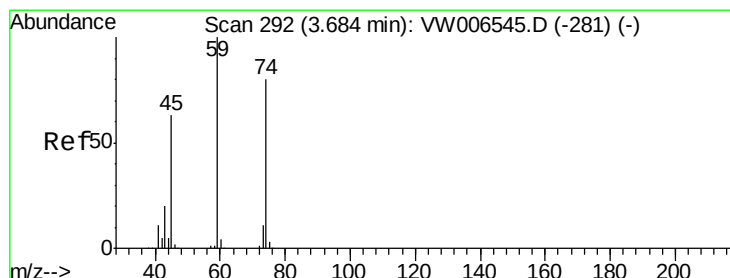
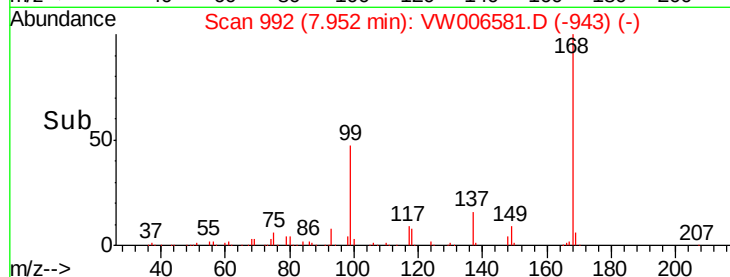
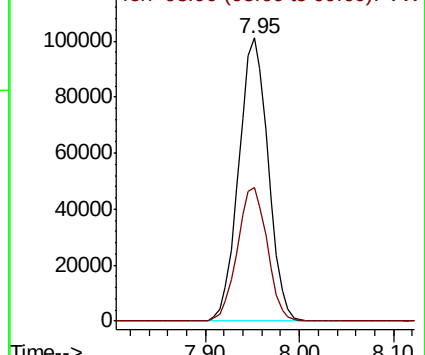
168 100

99 47.1 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.454 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006581.D

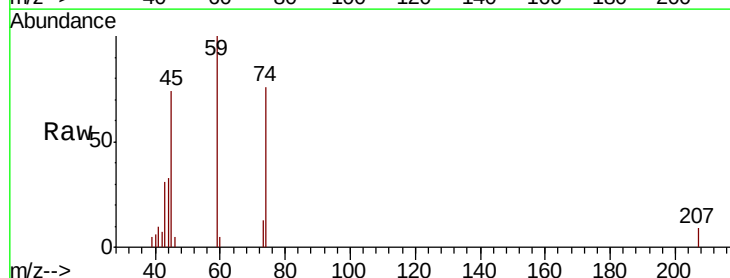
Acq: 02 Nov 2018 02:27

Tgt Ion: 74 Resp: 3288

Ion Ratio Lower Upper

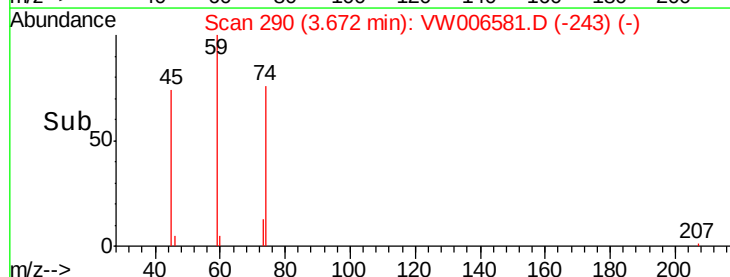
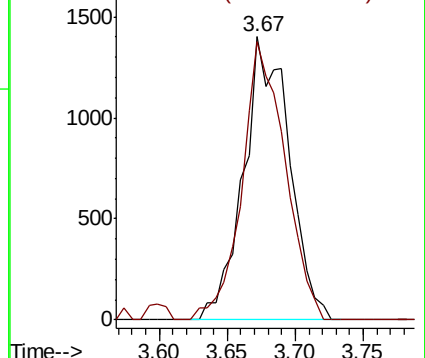
74 100

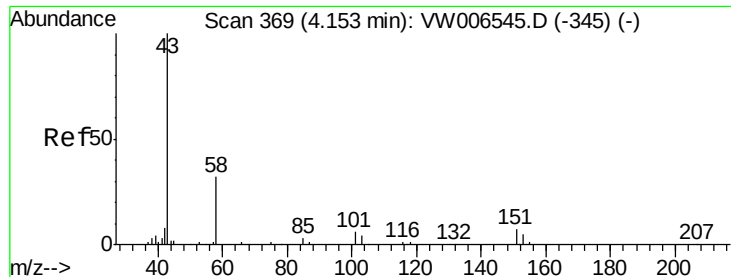
45 92.6 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 4.572 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006581.D

Acq: 02 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

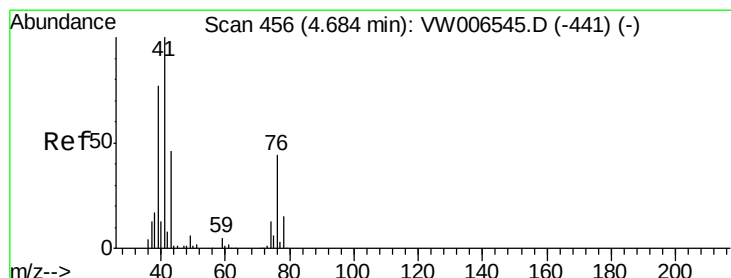
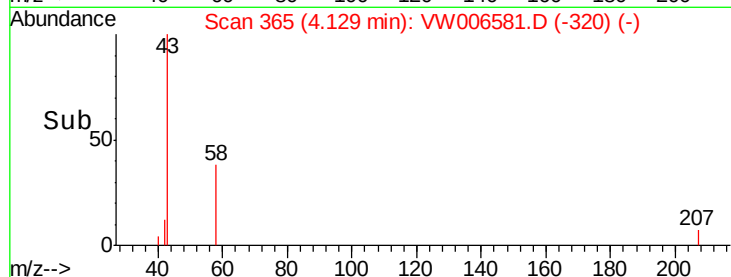
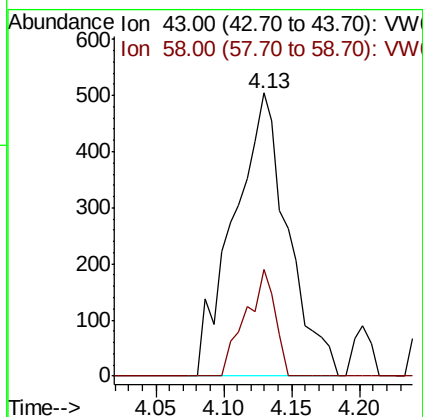
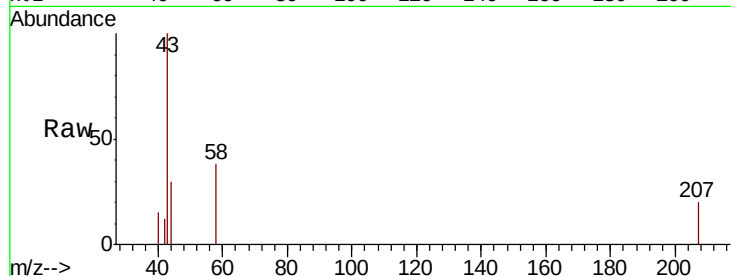
PL-02-103018-BRE

Tgt Ion: 43 Resp: 1397

Ion Ratio Lower Upper

43 100

58 37.7 25.8 38.8



#18

Methyl Acetate

Concen: 1.497 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.02 min

Lab File: VW006581.D

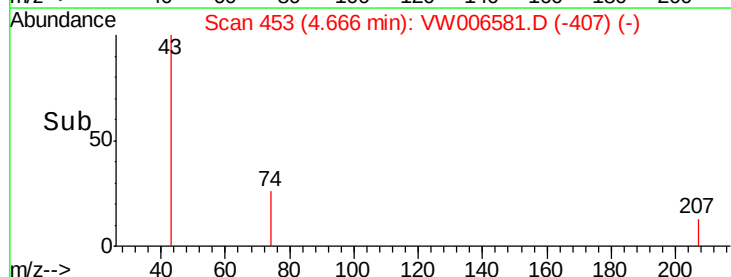
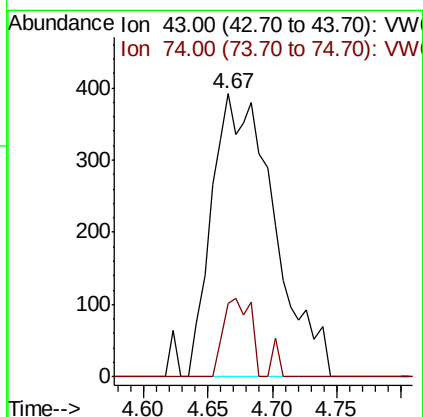
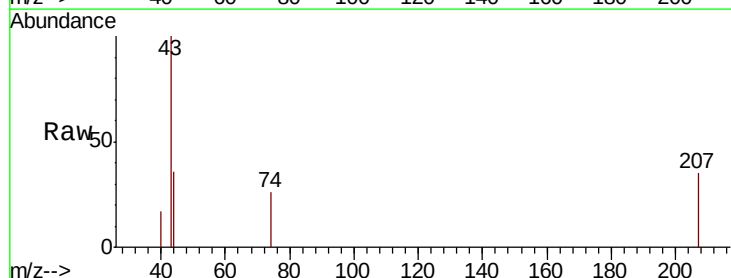
Acq: 02 Nov 2018 02:27

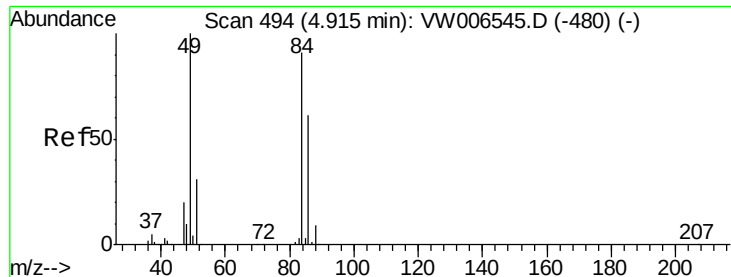
Tgt Ion: 43 Resp: 1315

Ion Ratio Lower Upper

43 100

74 12.5 21.9 32.9#

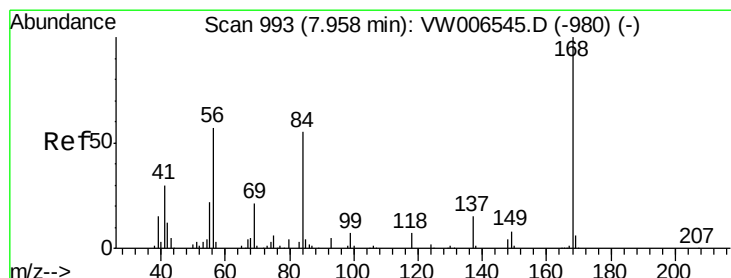
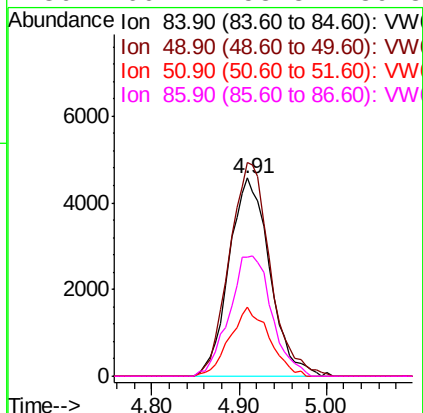
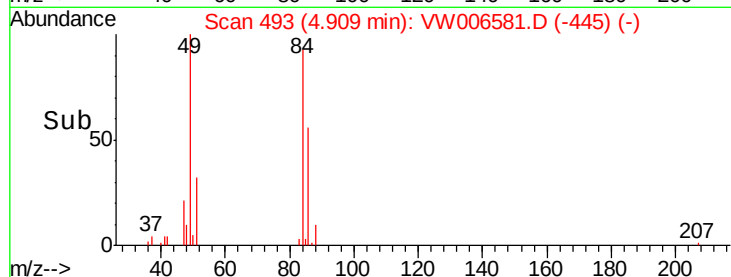
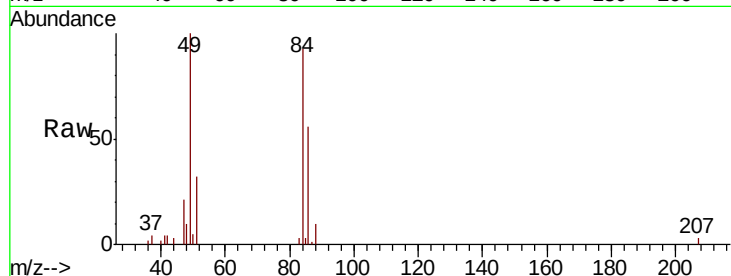




#20
Methylene Chloride
Concen: 1.700 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006581.D
Acq: 02 Nov 2018 02:27

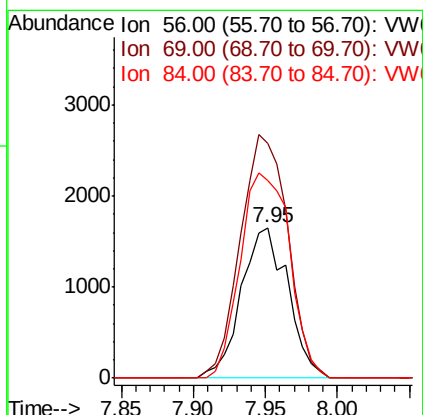
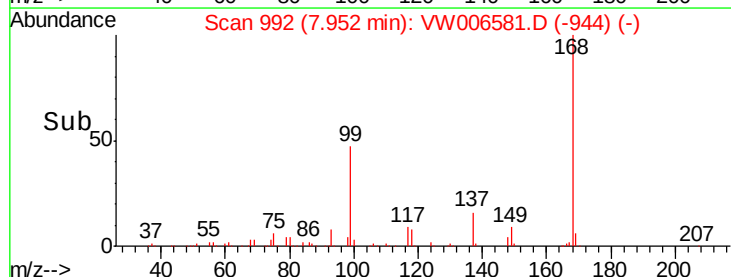
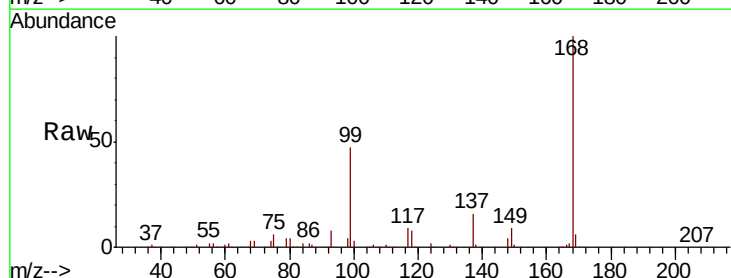
Instrument :
MSVOA_W
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PL-02-103018-BRE

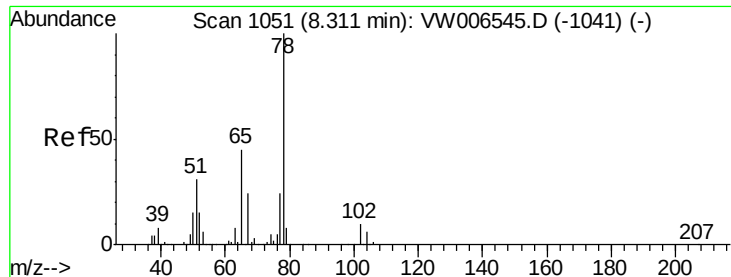
Tgt Ion: 84 Resp: 14792
Ion Ratio Lower Upper
84 100
49 107.8 88.2 132.4
51 35.0 27.0 40.6
86 60.1 53.8 80.8



#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006581.D
Acq: 02 Nov 2018 02:27

Tgt Ion: 56 Resp: 3693
Ion Ratio Lower Upper
56 100
69 156.4 29.0 43.4#
84 131.2 77.8 116.6#

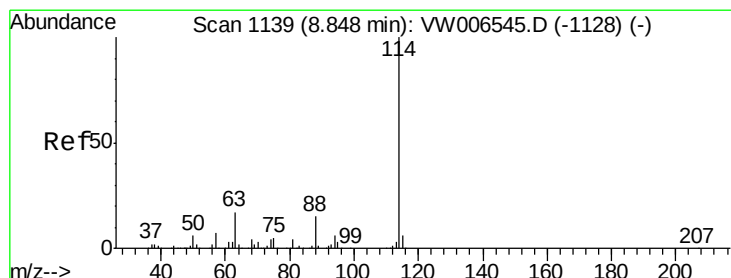
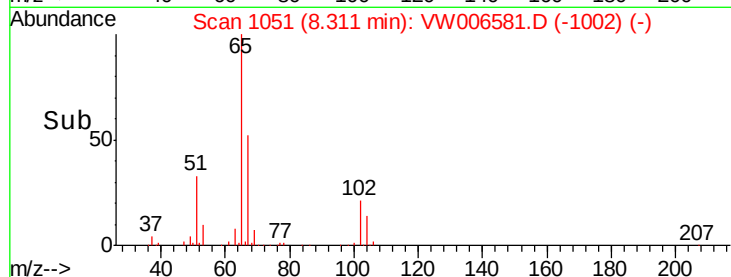
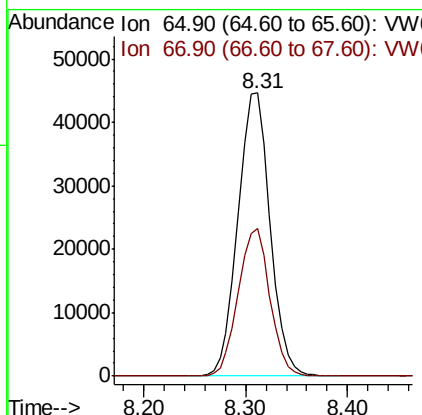
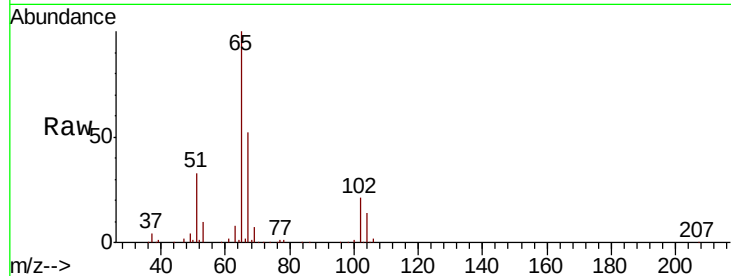




#33
 1,2-Dichloroethane-d4
 Concen: 51.712 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006581.D
 Acq: 02 Nov 2018 02:27

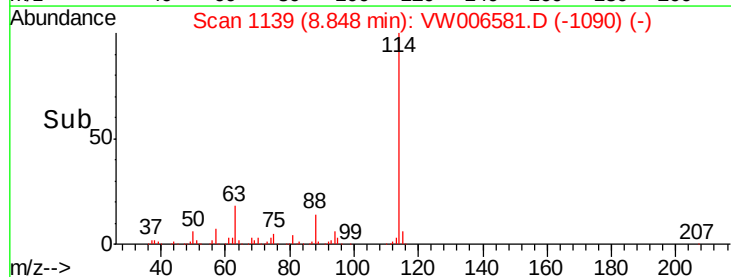
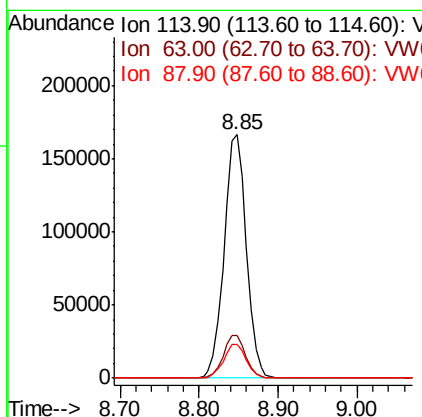
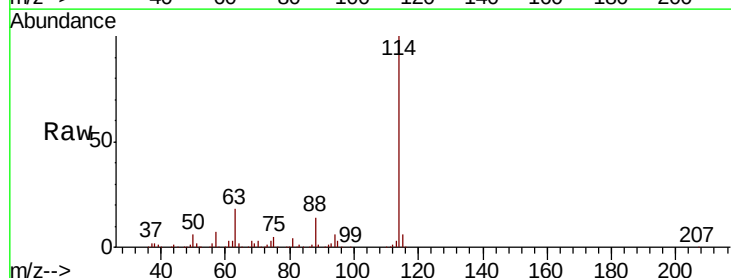
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-103018-BRE

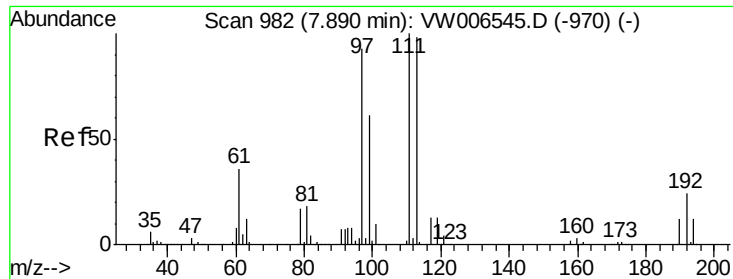
Tgt Ion: 65 Resp: 97866
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006581.D
 Acq: 02 Nov 2018 02:27

Tgt Ion: 114 Resp: 325241
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.4
 88 13.8 0.0 29.0

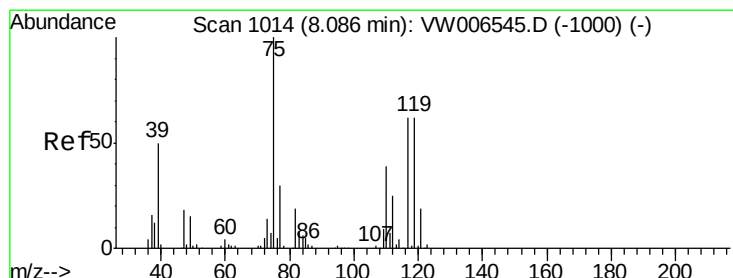
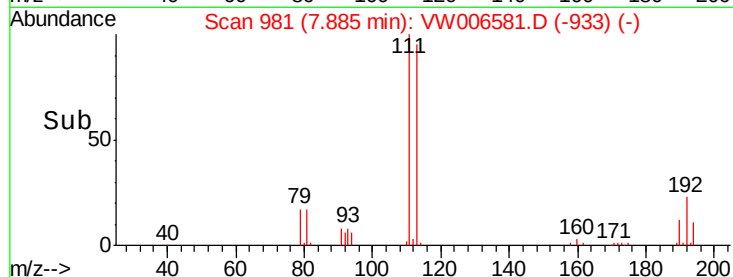
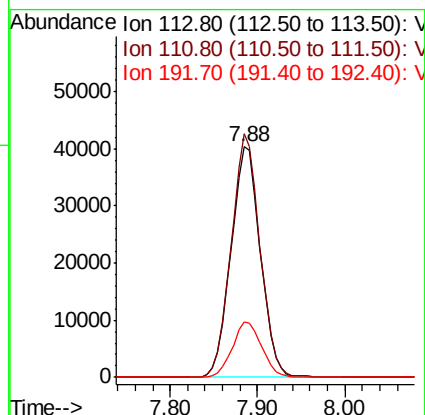
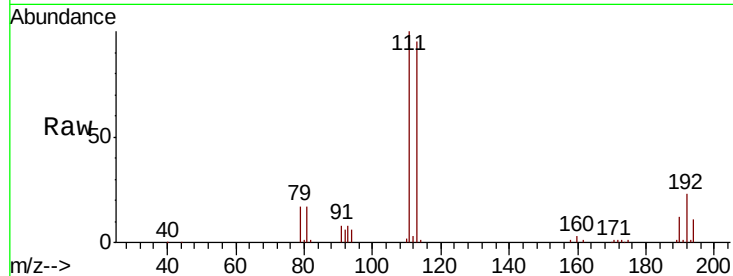




#35
 Dibromofluoromethane
 Concen: 46.207 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006581.D
 Acq: 02 Nov 2018 02:27

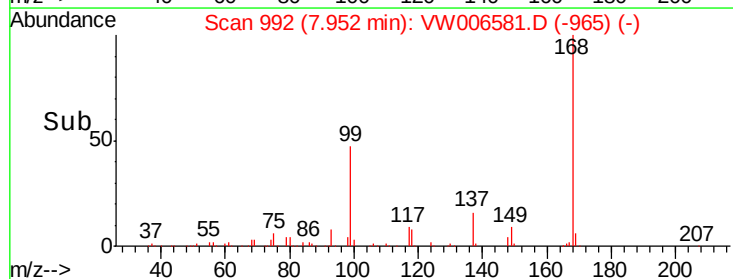
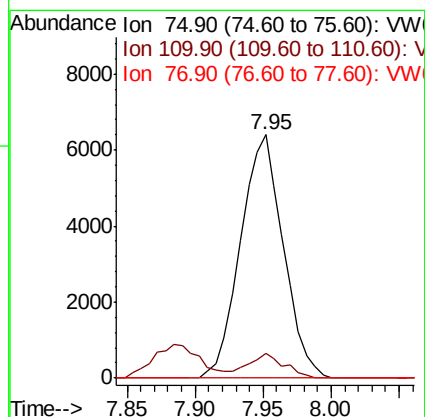
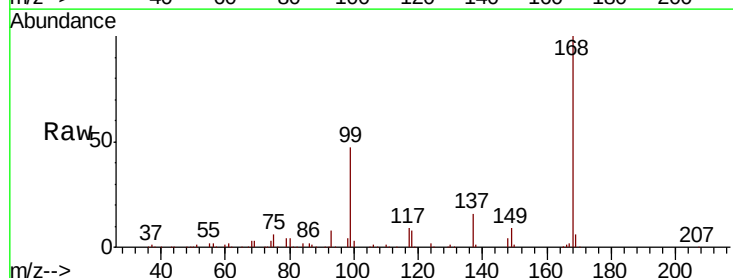
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-103018-BRE

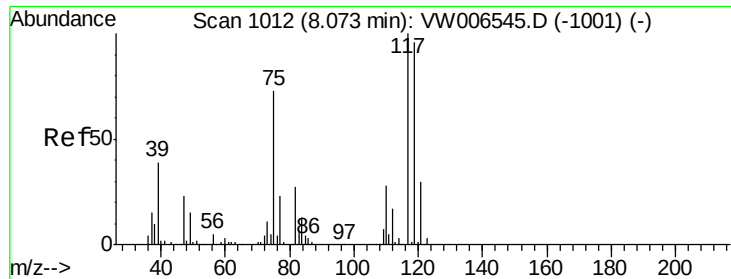
Tgt Ion:113 Resp: 94316
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.2
 192 24.1 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 4.907 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006581.D
 Acq: 02 Nov 2018 02:27

Tgt Ion: 75 Resp: 14034
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.5 58.5#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.420 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006581.D

Acq: 02 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

PL-02-103018-BRE

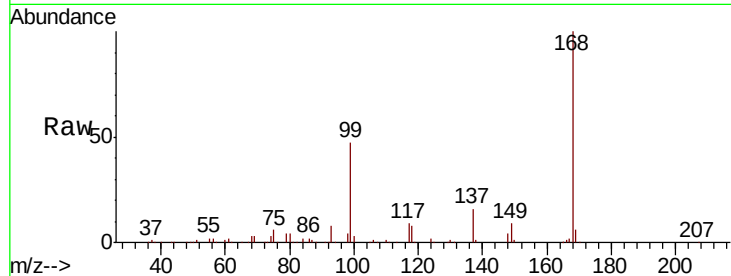
Tgt Ion:117 Resp: 19187

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

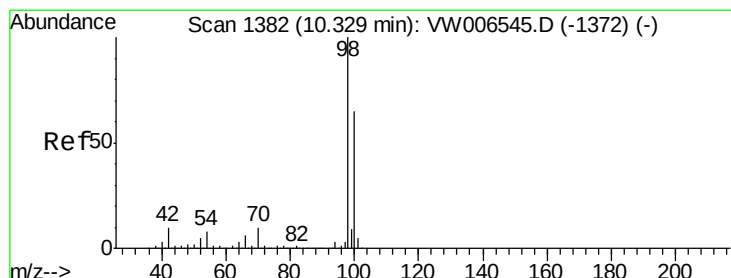
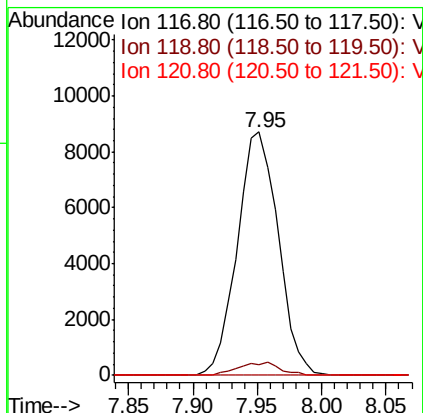
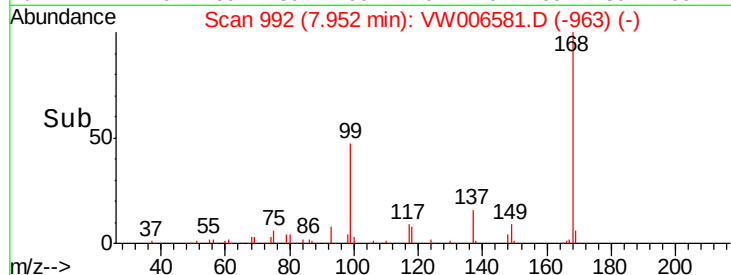
121 0.0 24.1 36.1#



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



#50

Toluene-d8

Concen: 13.025 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006581.D

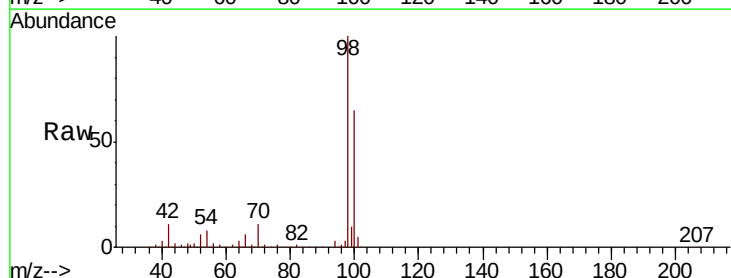
Acq: 02 Nov 2018 02:27

Tgt Ion: 98 Resp: 101206

Ion Ratio Lower Upper

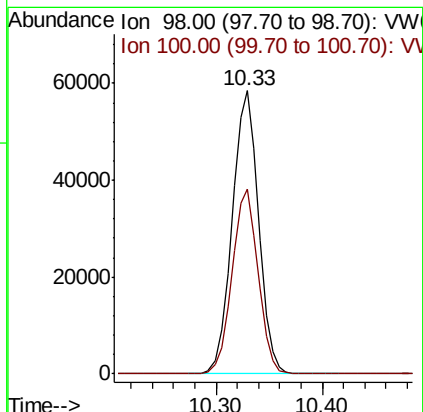
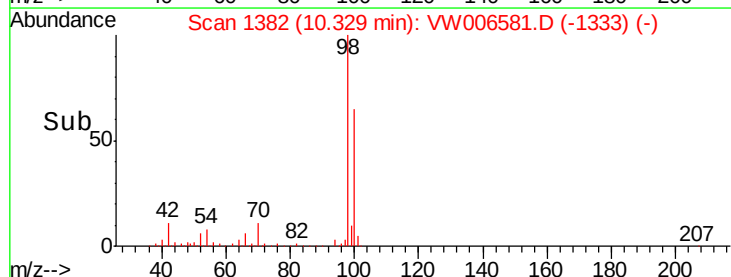
98 100

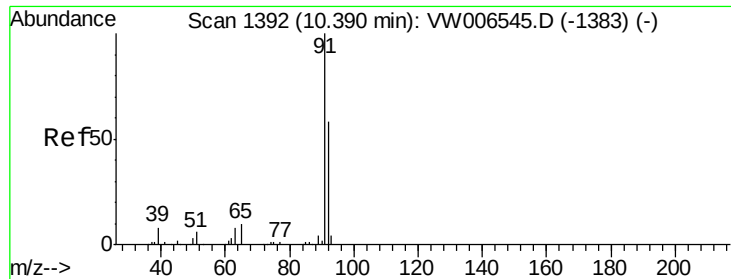
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.056 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006581.D

Acq: 02 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

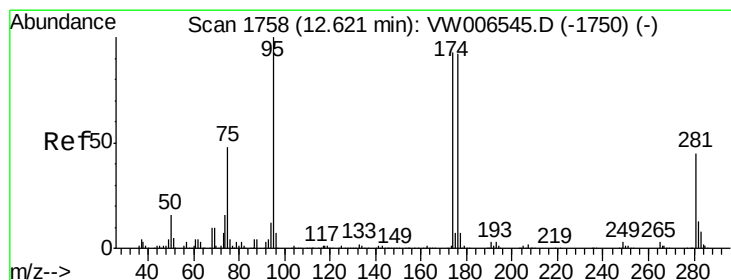
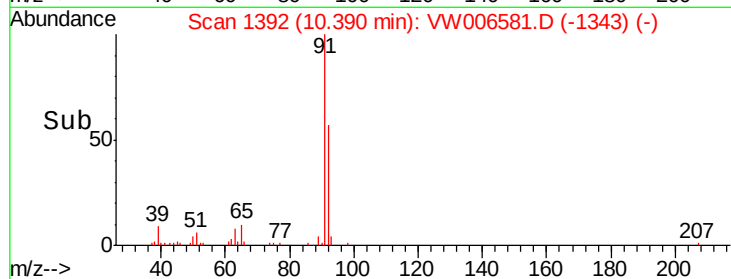
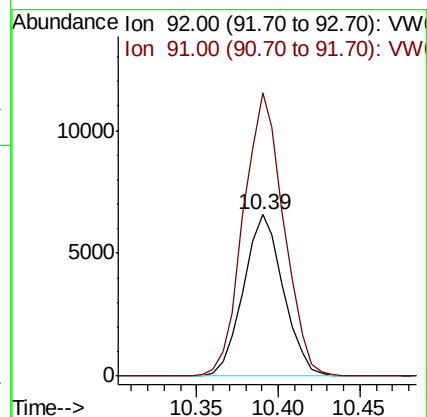
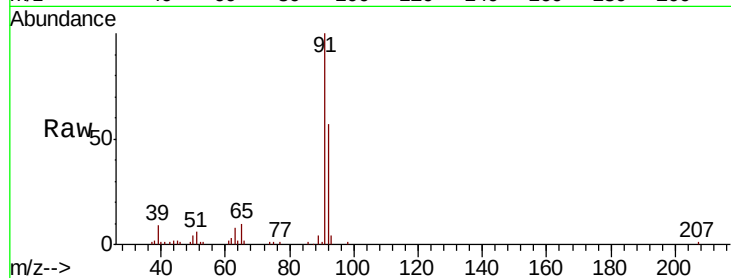
PL-02-103018-BRE

Tgt Ion: 92 Resp: 11202

Ion Ratio Lower Upper

92 100

91 177.4 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 24.808 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006581.D

Acq: 02 Nov 2018 02:27

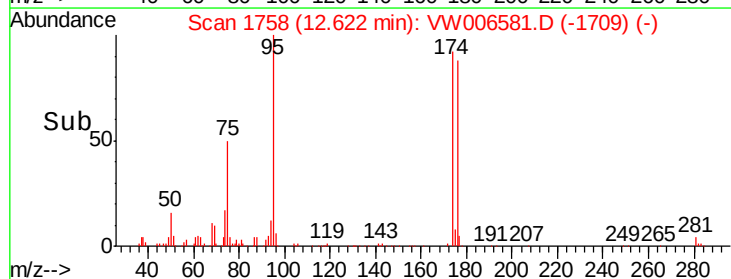
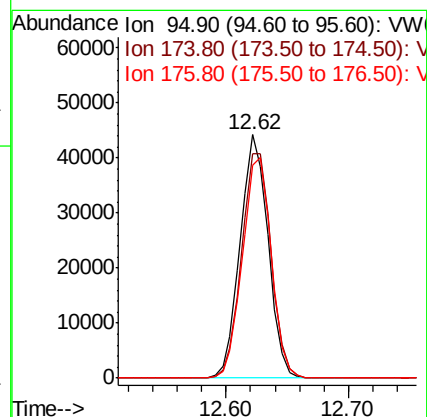
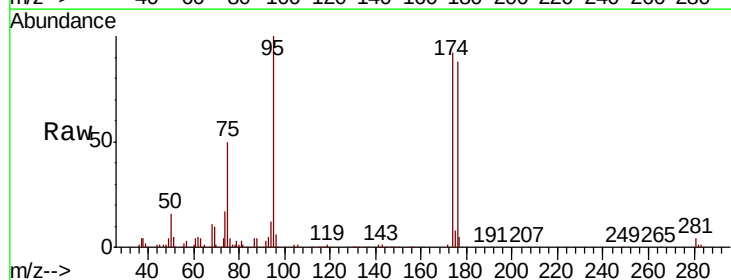
Tgt Ion: 95 Resp: 69884

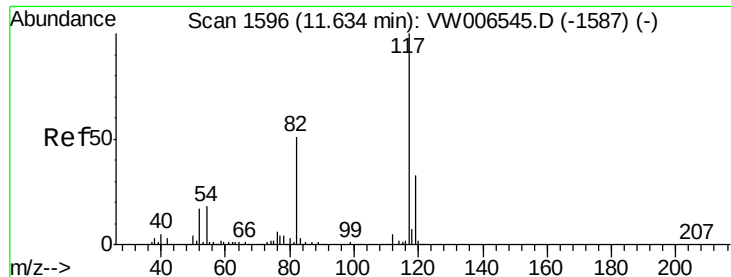
Ion Ratio Lower Upper

95 100

174 97.8 0.0 192.4

176 93.9 0.0 187.4

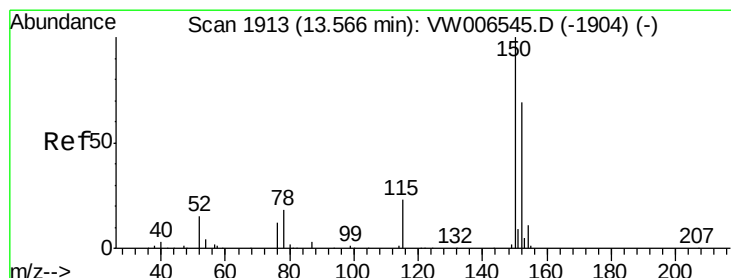
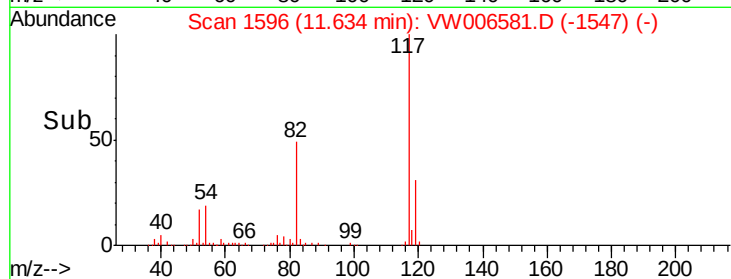
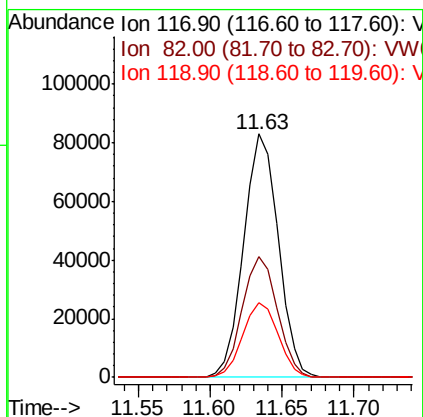
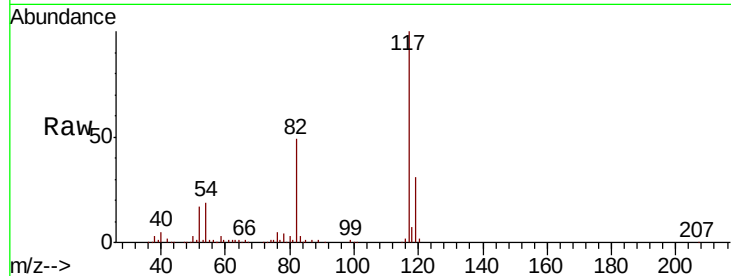




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006581.D
Acq: 02 Nov 2018 02:27

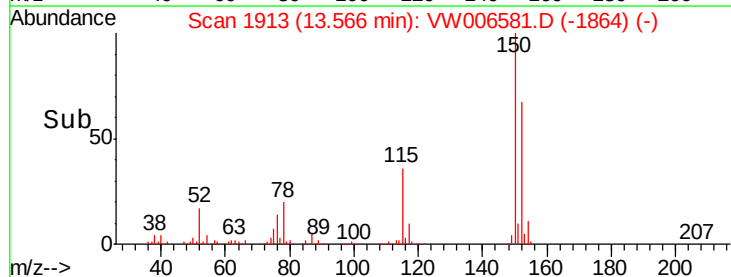
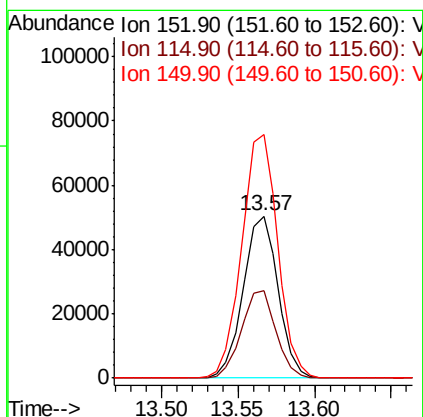
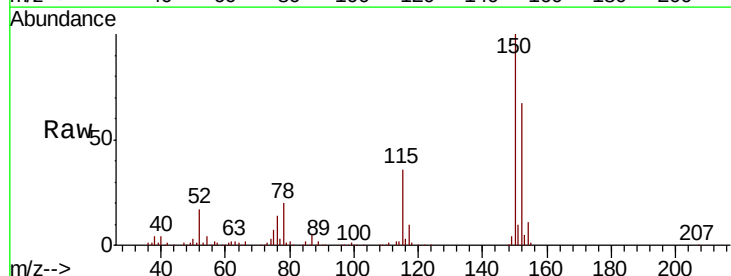
Instrument :
MSVOA_W
ClientSampleId :
PL-02-103018-BRE

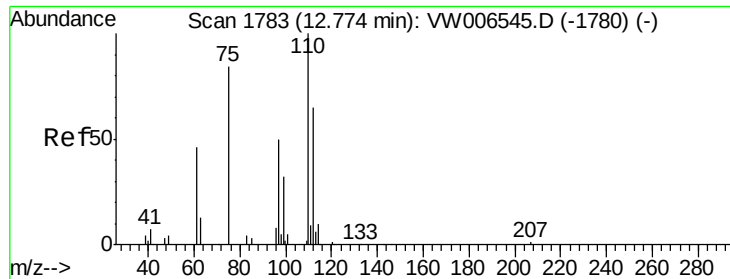
Tgt Ion:117 Resp: 138248
Ion Ratio Lower Upper
117 100
82 49.4 40.8 61.2
119 30.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006581.D
Acq: 02 Nov 2018 02:27

Tgt Ion:152 Resp: 79933
Ion Ratio Lower Upper
152 100
115 53.5 26.6 79.8
150 154.7 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 55.511 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006581.D

Acq: 02 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

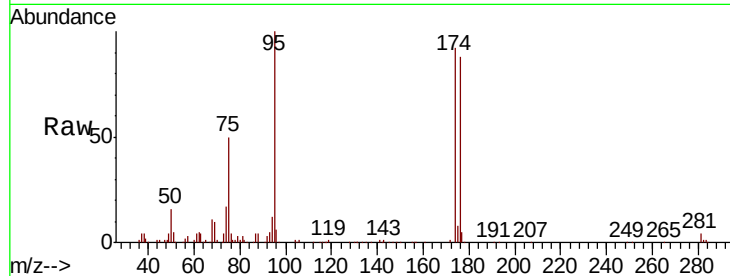
PL-02-103018-BRE

Tgt Ion: 75 Resp: 34620

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

12.62

25000

20000

15000

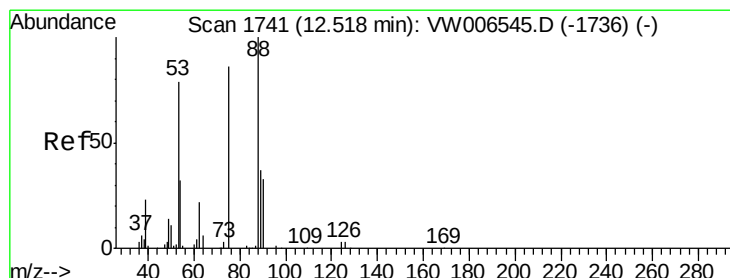
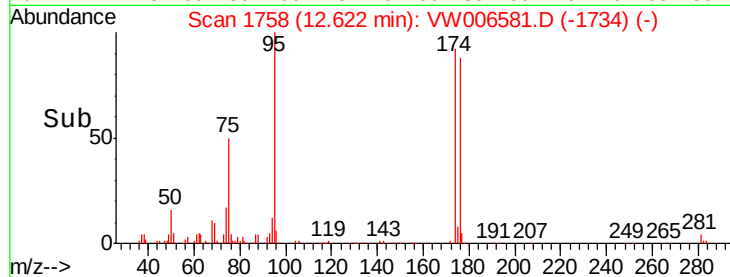
10000

5000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 138.768 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006581.D

Acq: 02 Nov 2018 02:27

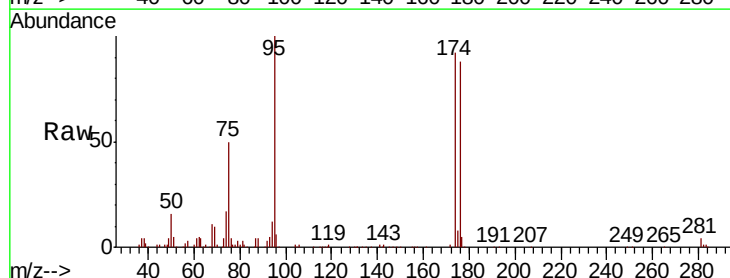
Tgt Ion: 75 Resp: 34620

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#



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

30000

25000

20000

15000

10000

5000

0

Time-->

12.55 12.60 12.65 12.70

