

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003839.D
 Acq On : 10 Jul 2018 21:17
 Operator : SY/AP
 Sample : J3880-20RE
 Misc : 4.61G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-20RE

Quant Time: Jul 11 04:45:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	142407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	240141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	66389	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	64592	34.68	ug/l	0.00
Spiked Amount			Recovery	=	69.36%	
35) Dibromofluoromethane	7.88	113	54922	32.68	ug/l	0.00
Spiked Amount			Recovery	=	65.36%	
50) Toluene-d8	10.33	98	158653	24.68	ug/l	0.00
Spiked Amount			Recovery	=	49.36%	
62) 4-Bromofluorobenzene	12.62	95	44622	19.18	ug/l	0.00
Spiked Amount			Recovery	=	38.36%	

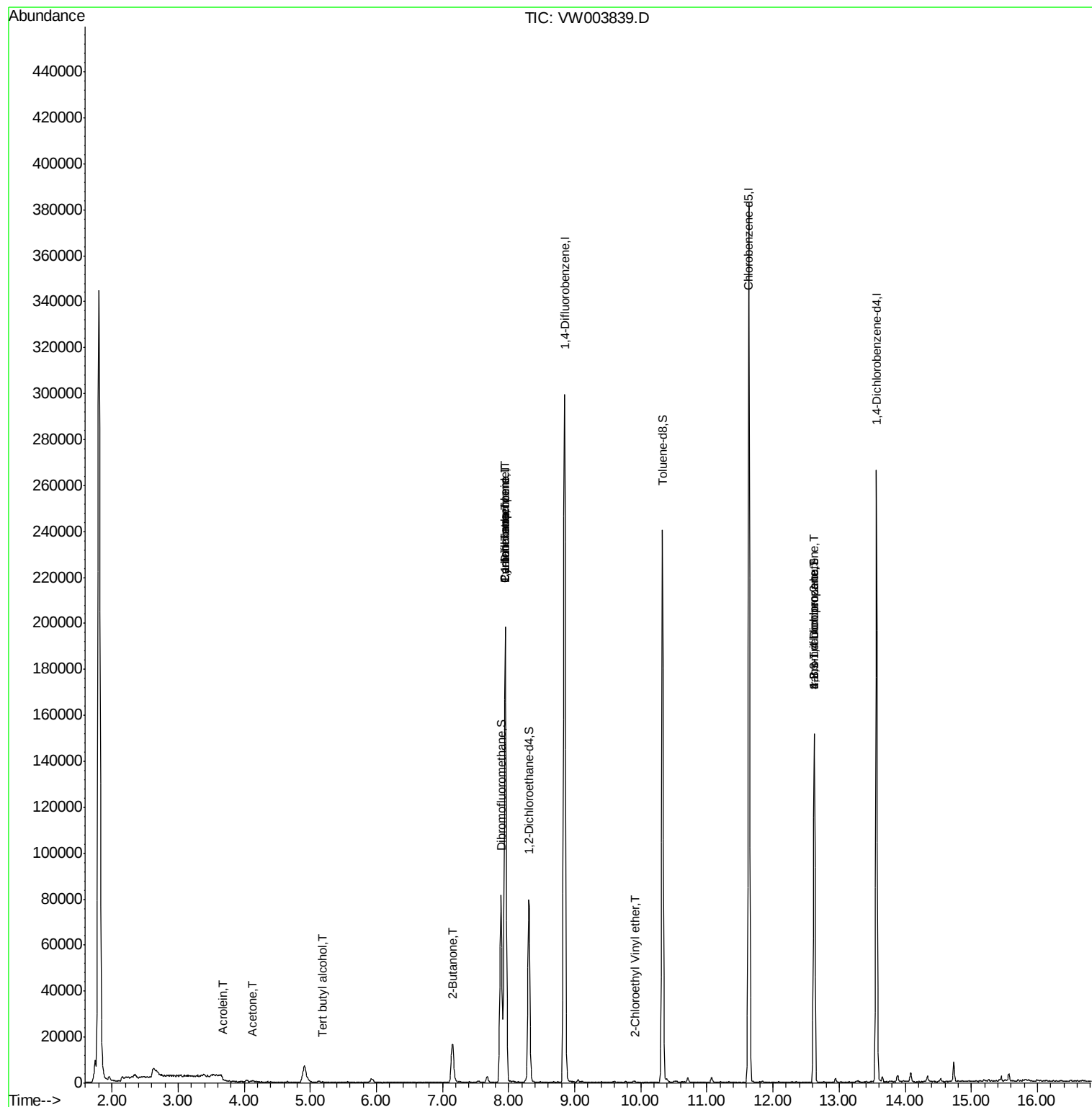
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	166	1.645	ug/l #	70
13) Acrolein	3.68	56	21	4.865	ug/l #	14
16) Acetone	4.12	43	1283	3.971	ug/l	90
20) Methylene Chloride	4.92	84	6103	Below Cal	#	90
25) 2-Butanone	7.15	43	1178	2.328	ug/l #	51
31) Cyclohexane	7.95	56	3832	1.410	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	12587	4.940	ug/l #	45
38) Carbon Tetrachloride	7.95	117	14896	6.149	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.92	63	58	13.230	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	24120	36.998	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	24120	90.506	ug/l #	8

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003839.D

Acq: 10 Jul 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

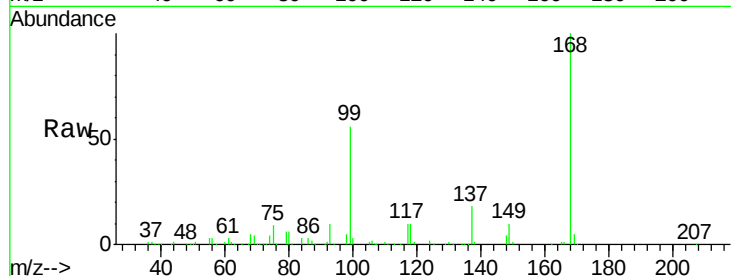
SURCHARGE-SP-20RE

Tot Ion:168 Resp: 142407

Ion Ratio Lower Upper

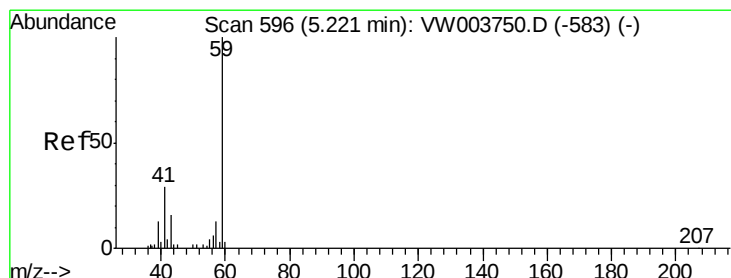
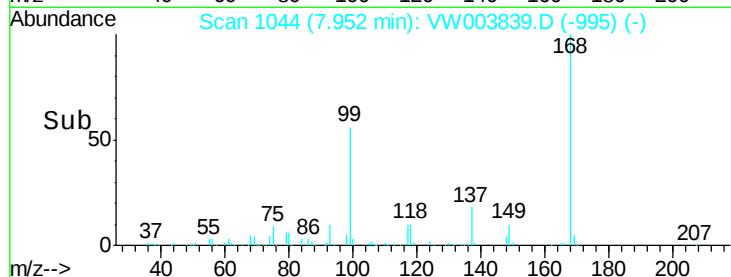
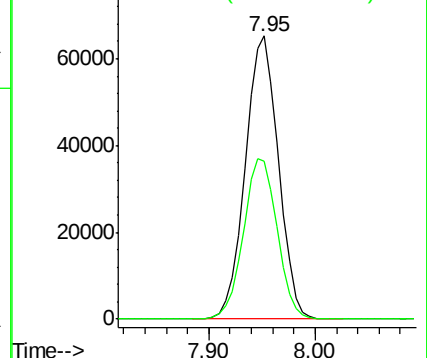
168 100

99 55.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.645 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.04 min

Lab File: VW003839.D

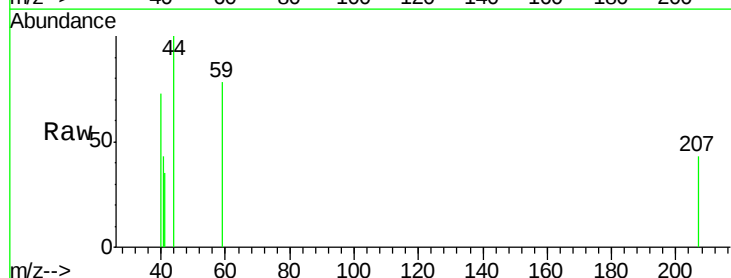
Acq: 10 Jul 2018 21:17

Tgt Ion: 59 Resp: 166

Ion Ratio Lower Upper

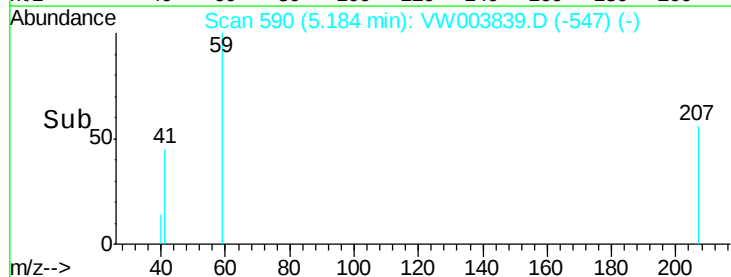
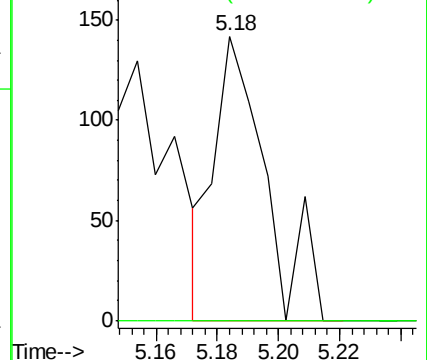
59 100

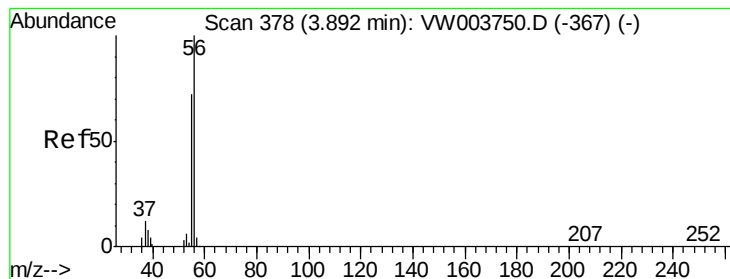
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.865 ug/l

RT: 3.68 min Scan# 344

Delta R.T. -0.21 min

Lab File: VW003839.D

Acq: 10 Jul 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

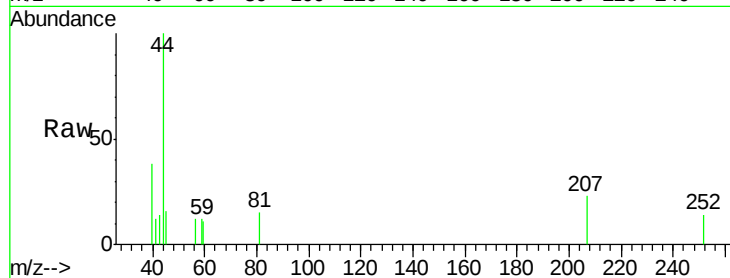
SURCHARGE-SP-20RE

Tot Ion: 56 Resp: 21

Ion Ratio Lower Upper

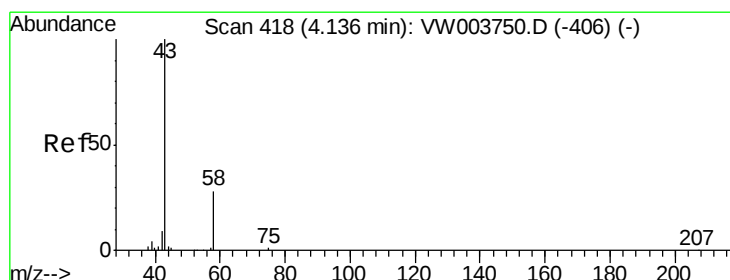
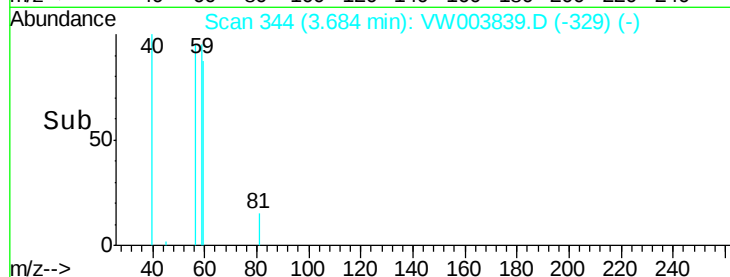
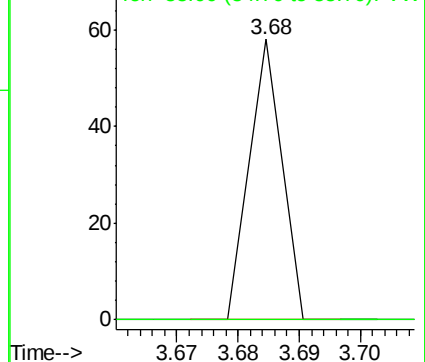
56 100

55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 3.971 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003839.D

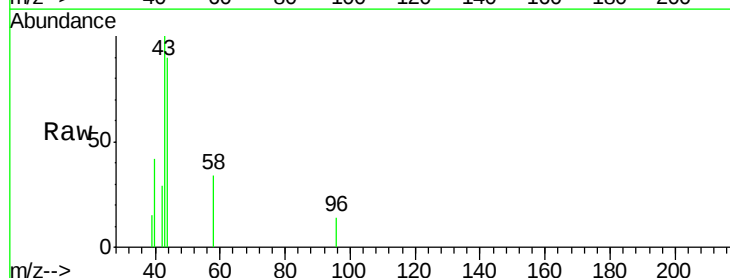
Acq: 10 Jul 2018 21:17

Tgt Ion: 43 Resp: 1283

Ion Ratio Lower Upper

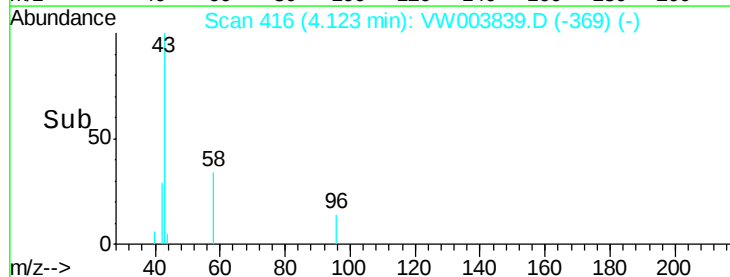
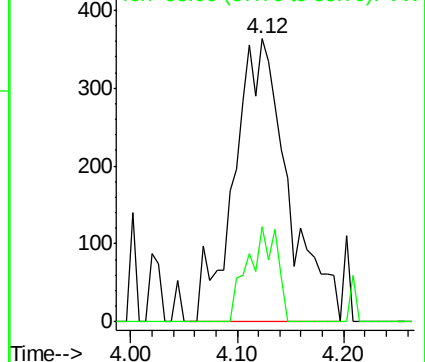
43 100

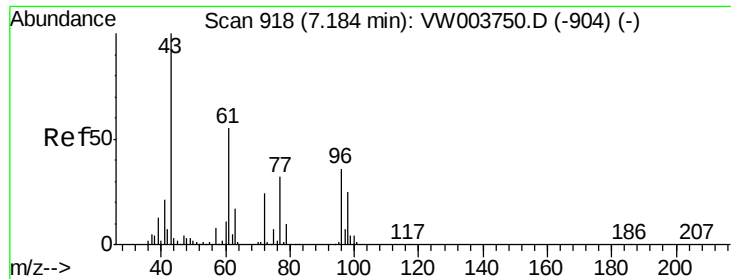
58 33.6 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 2.328 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.04 min

Lab File: VW003839.D

Acq: 10 Jul 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

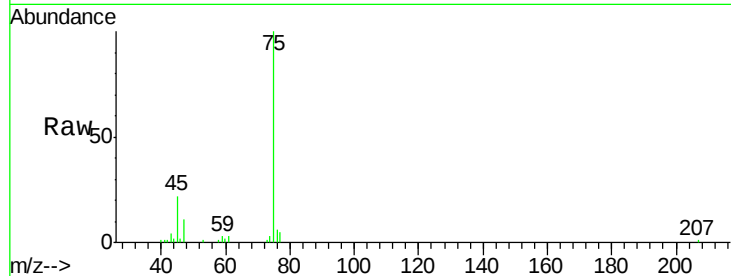
SURCHARGE-SP-20RE

Tot Ion: 43 Resp: 1178

Ion Ratio Lower Upper

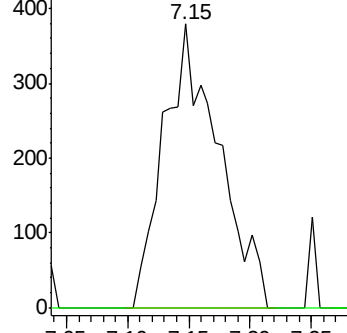
43 100

72 0.0 19.4 29.2#

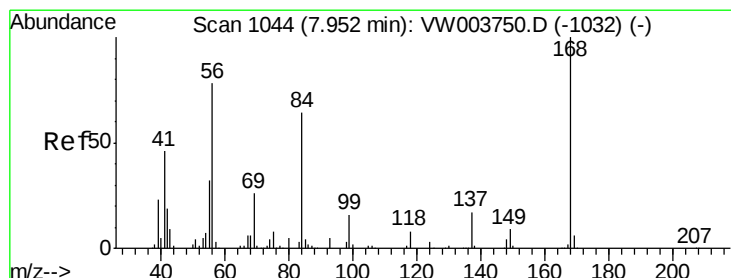
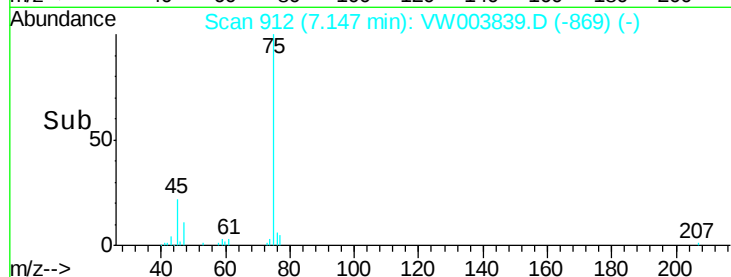


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#31

Cyclohexane

Concen: 1.410 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003839.D

Acq: 10 Jul 2018 21:17

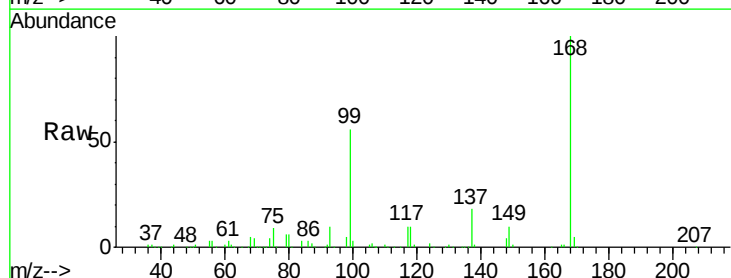
Tgt Ion: 56 Resp: 3832

Ion Ratio Lower Upper

56 100

69 148.8 26.2 39.4#

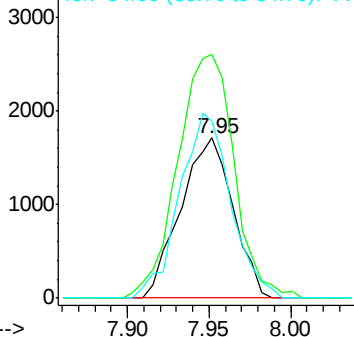
84 110.2 65.5 98.3#



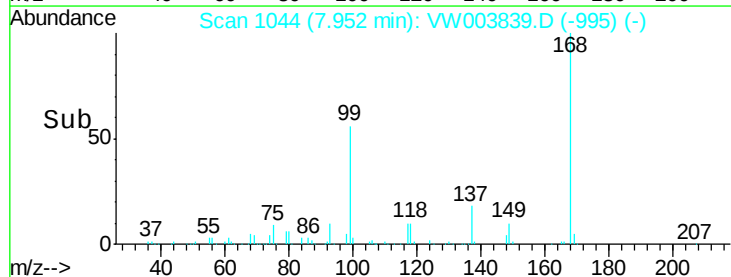
Abundance Ion 56.00 (55.70 to 56.70): VW

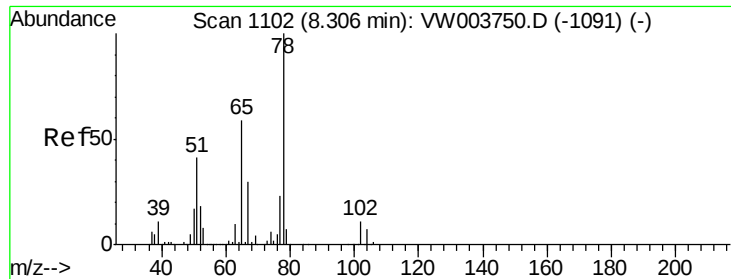
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->





#33

1,2-Dichloroethane-d4

Concen: 34.684 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003839.D

Acq: 10 Jul 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

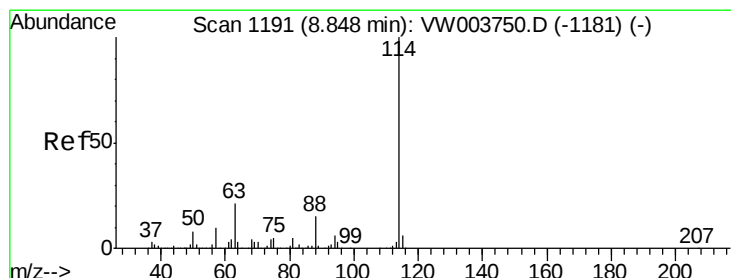
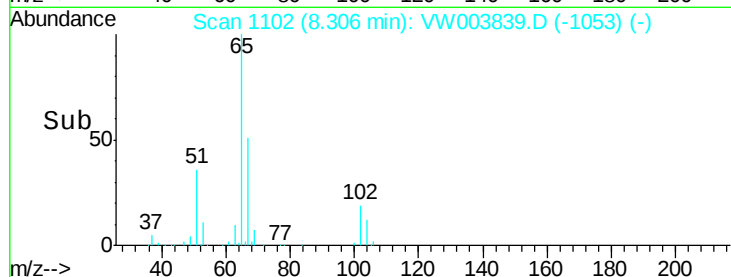
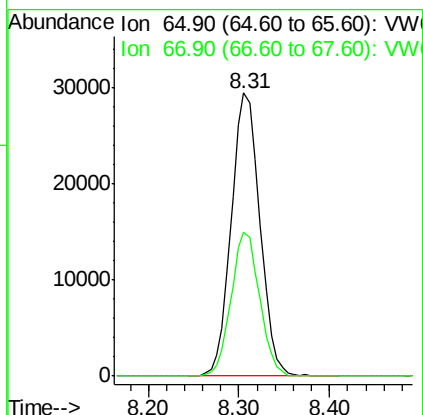
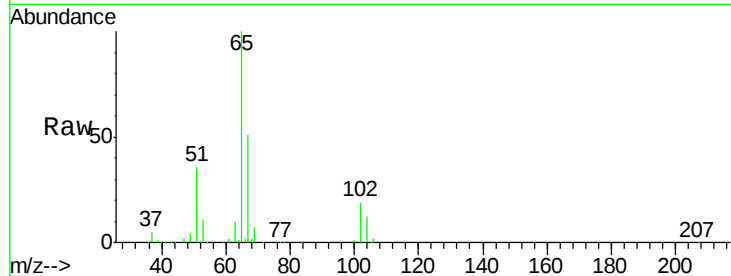
SURCHARGE-SP-20RE

Tot Ion: 65 Resp: 64592

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003839.D

Acq: 10 Jul 2018 21:17

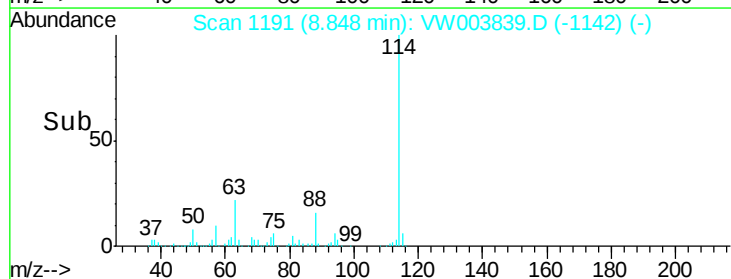
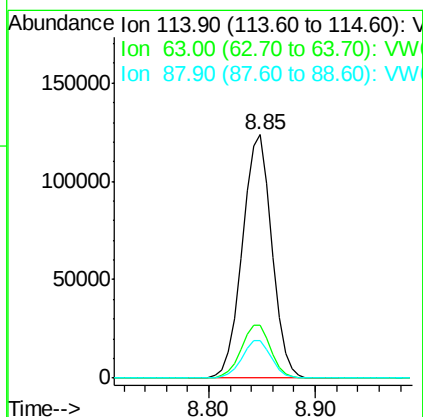
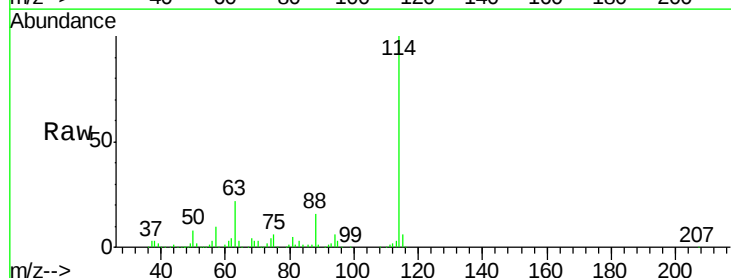
Tgt Ion: 114 Resp: 240141

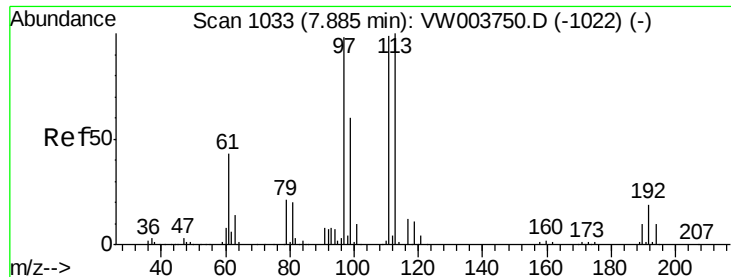
Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 32.678 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003839.D

Acq: 10 Jul 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-20RE

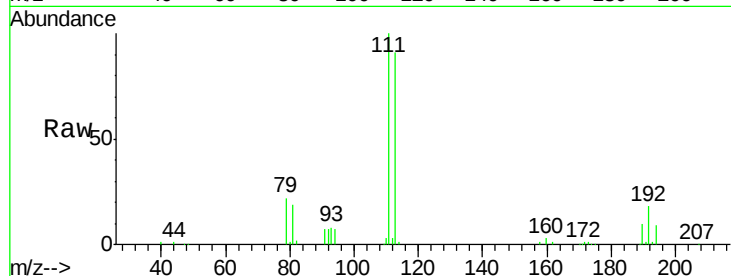
Tot Ion:113 Resp: 54922

Ion Ratio Lower Upper

113 100

111 105.2 81.7 122.5

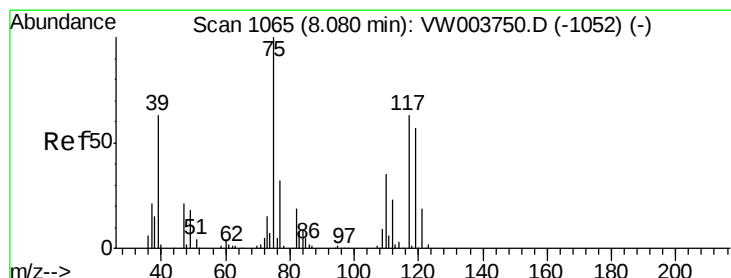
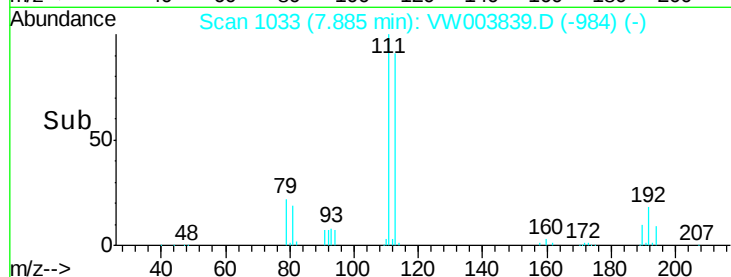
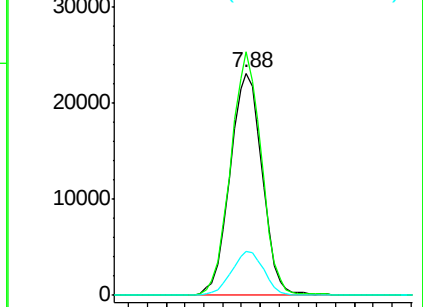
192 19.9 15.8 23.8



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: 4.940 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003839.D

Acq: 10 Jul 2018 21:17

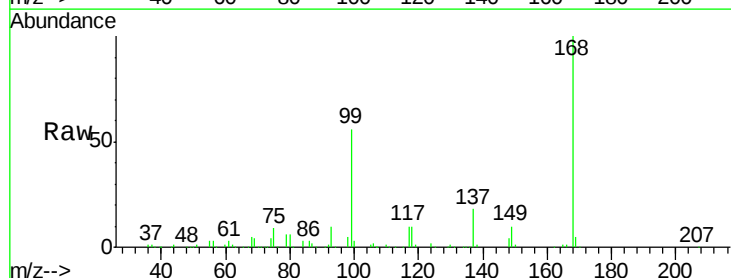
Tgt Ion: 75 Resp: 12587

Ion Ratio Lower Upper

75 100

110 2.9 16.9 50.6#

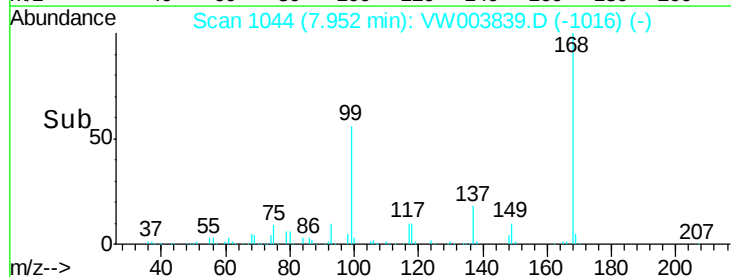
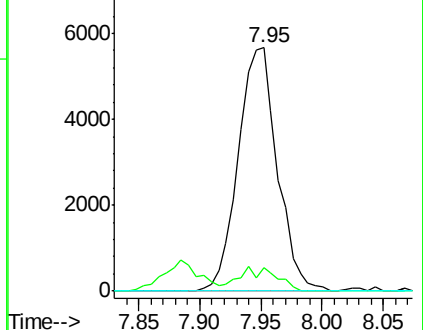
77 0.0 24.8 37.2#

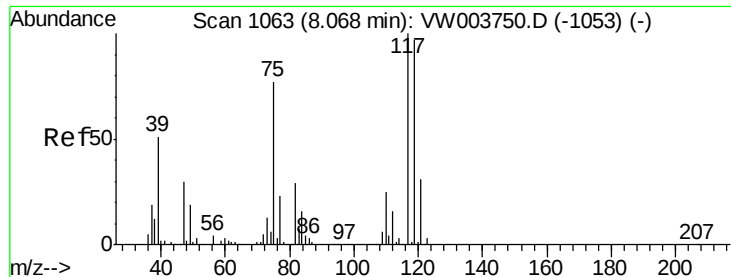


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.149 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003839.D

Acq: 10 Jul 2018 21:17

Instrument :

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SURCHARGE-SP-20RE

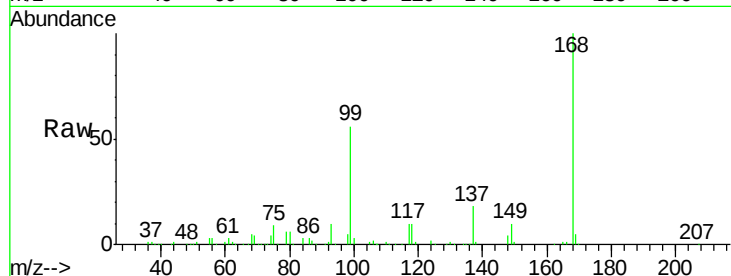
Tot Ion:117 Resp: 14896

Ion Ratio Lower Upper

117 100

119 8.8 77.4 116.2#

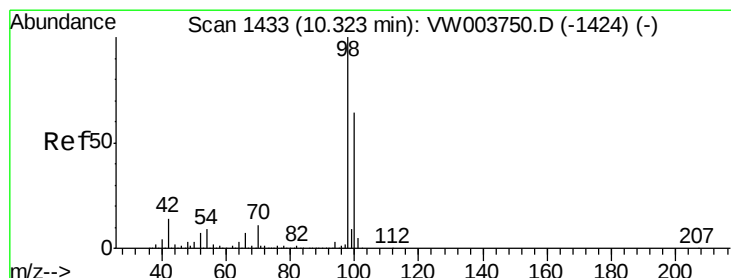
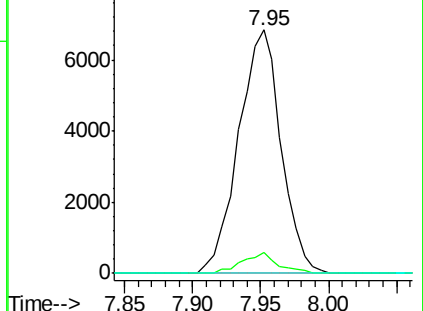
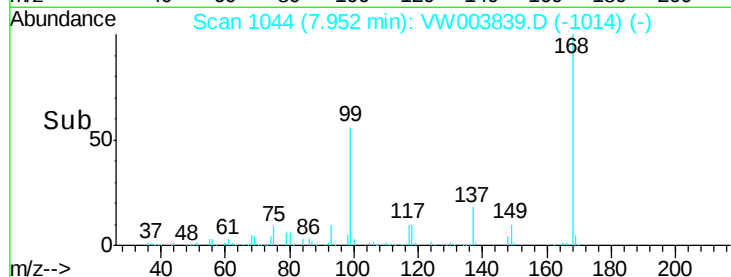
121 0.0 24.6 37.0#



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: 24.677 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003839.D

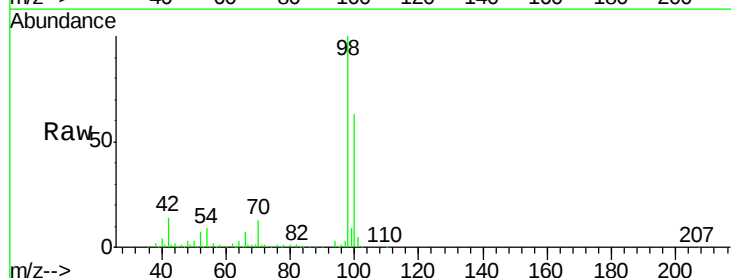
Acq: 10 Jul 2018 21:17

Tgt Ion: 98 Resp: 158653

Ion Ratio Lower Upper

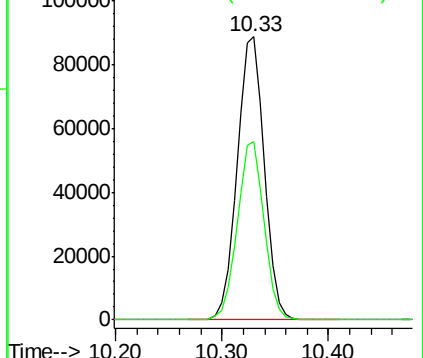
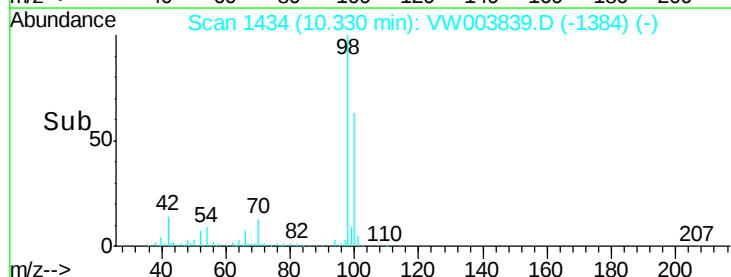
98 100

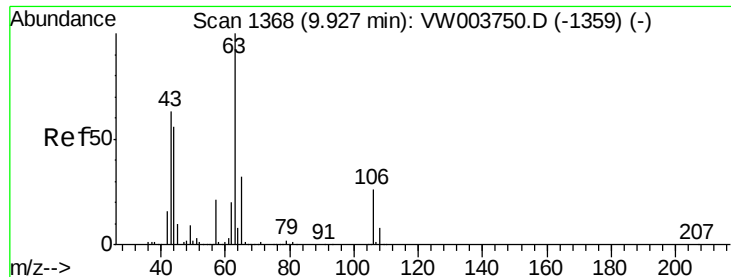
100 62.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

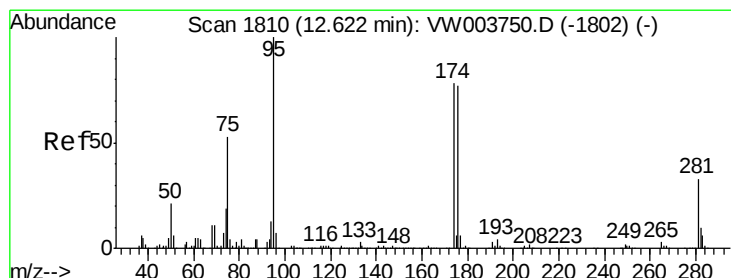
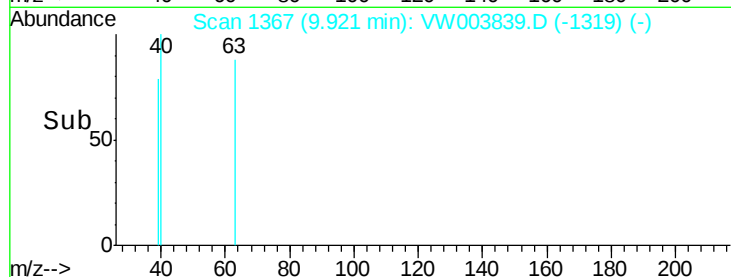
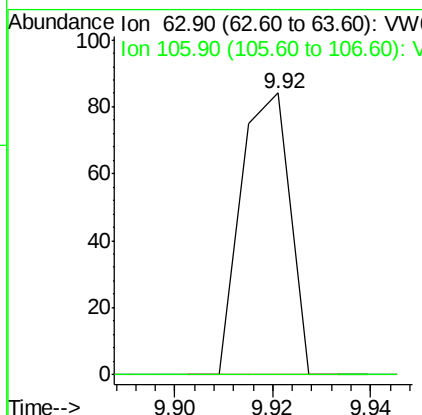
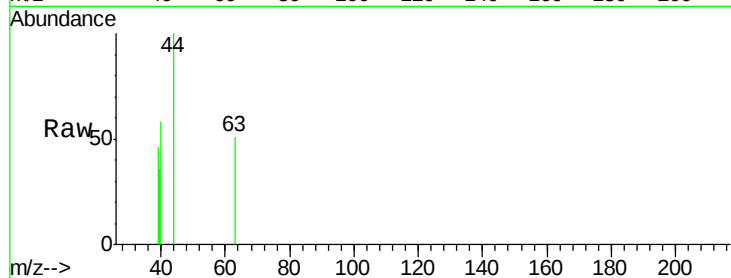




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.230 ug/l
 RT: 9.92 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VW003839.D
 Acq: 10 Jul 2018 21:17

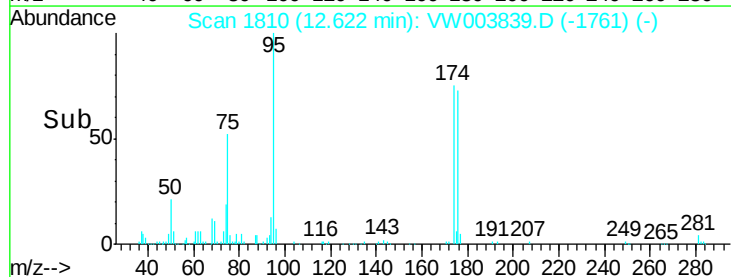
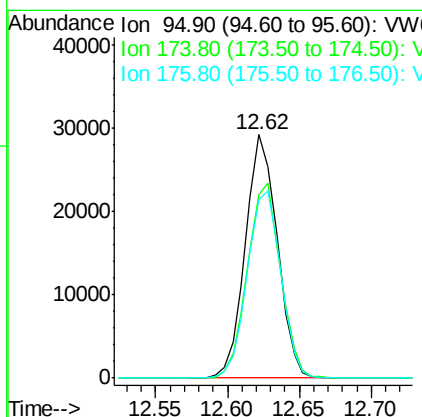
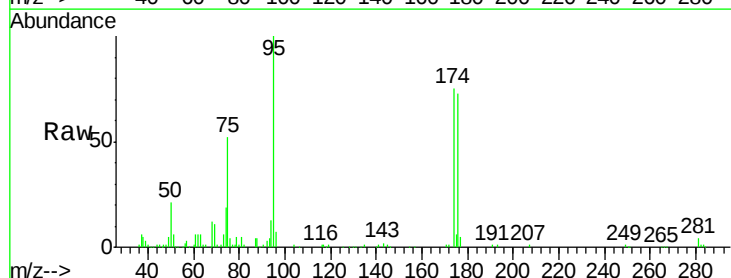
Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-20RE

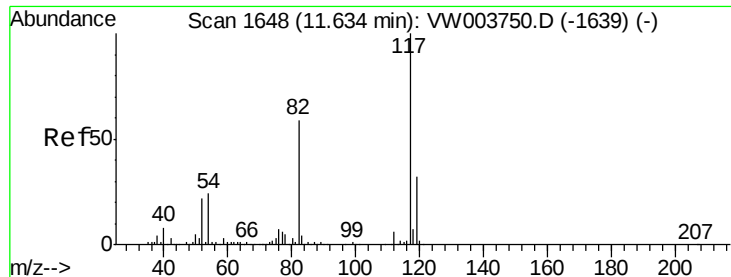
Tot Ion: 63 Resp: 58
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#62
 4-Bromofluorobenzene
 Concen: 19.183 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003839.D
 Acq: 10 Jul 2018 21:17

Tgt Ion: 95 Resp: 44622
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 163.4
 176 80.7 0.0 156.8

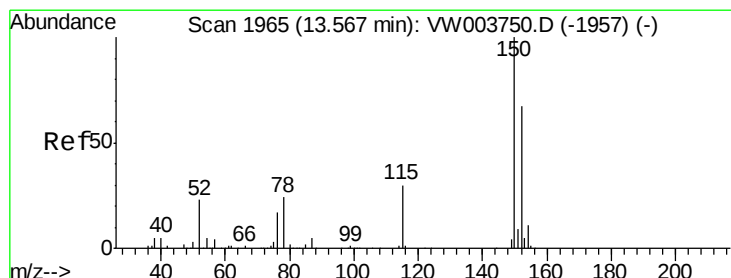
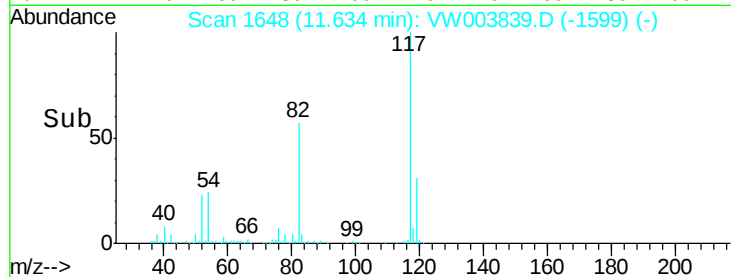
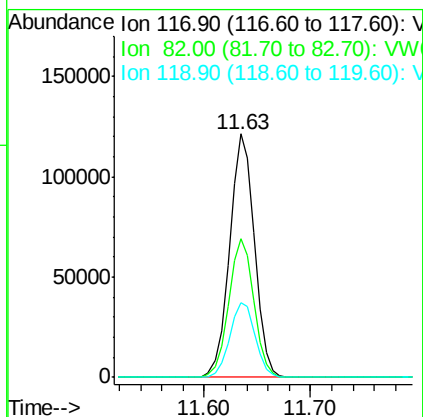
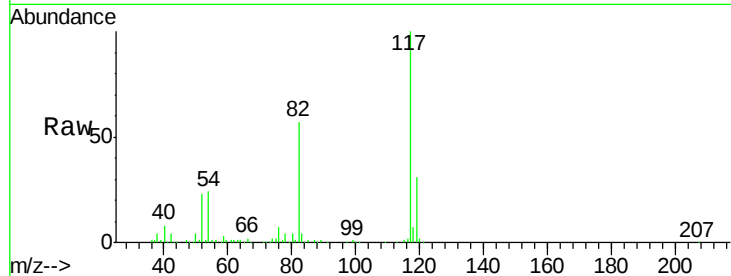




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003839.D
Acq: 10 Jul 2018 21:17

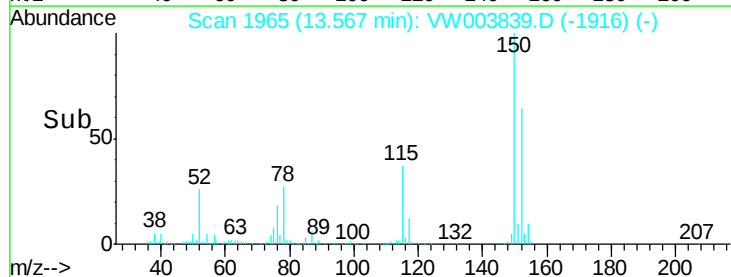
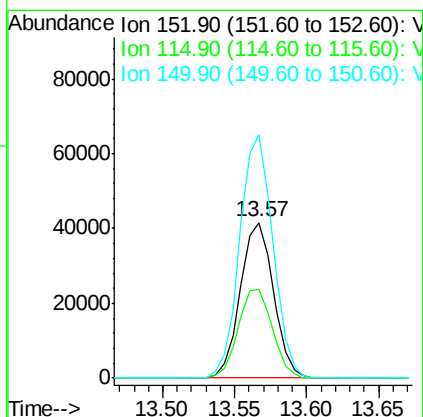
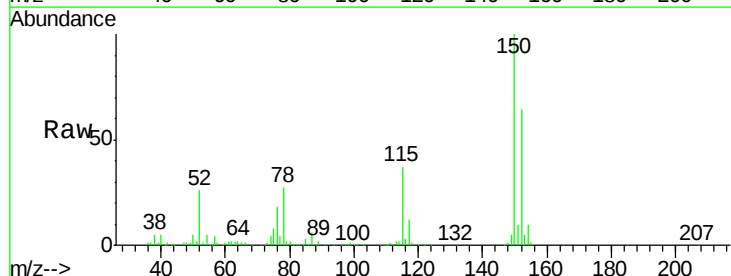
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-20RE

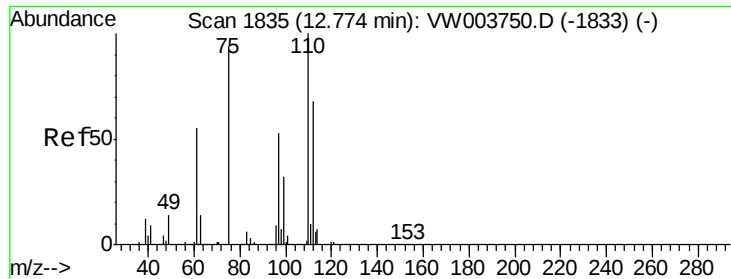
Tot Ion:117 Resp: 198397
Ion Ratio Lower Upper
117 100
82 57.0 46.9 70.3
119 30.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003839.D
Acq: 10 Jul 2018 21:17

Tgt Ion:152 Resp: 66389
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.8
150 156.6 0.0 342.4

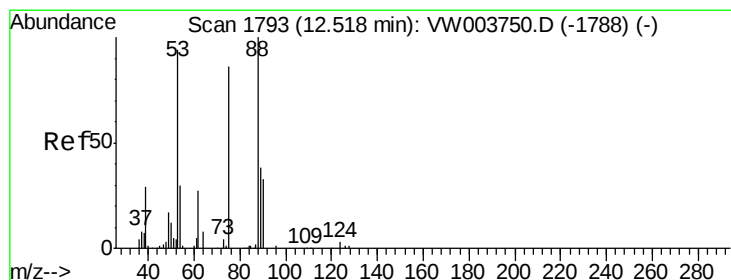
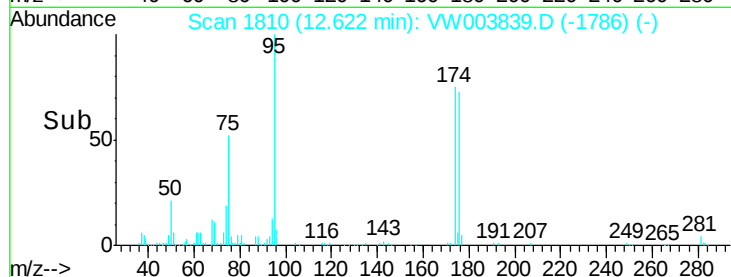
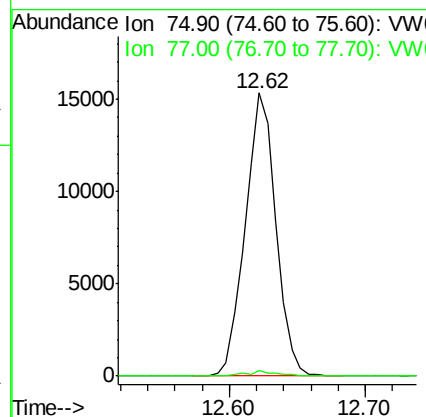
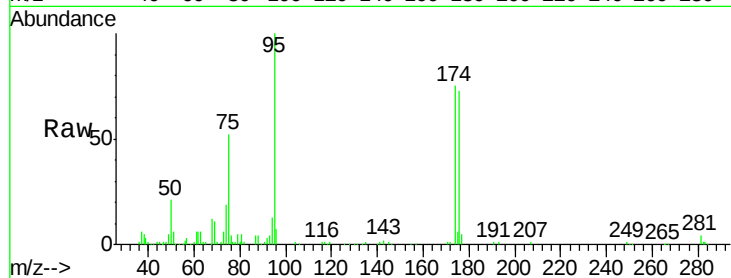




#76
 1,2,3-Trichloropropane
 Concen: 36.998 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003839.D
 Acq: 10 Jul 2018 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-20RE

Tot Ion: 75 Resp: 24120
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.506 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003839.D
 Acq: 10 Jul 2018 21:17

Tgt Ion: 75 Resp: 24120
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.0 127.6#
 89 0.1 36.3 54.5#

