

Data File : VW004834.D
Acq On : 21 Aug 2018 12:02
Operator : SY/AP
Sample : VW0821SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0821SBL01

Quant Time: Aug 22 05:15:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	535978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	842824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	808719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	400492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	291064	56.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.34%	
35) Dibromofluoromethane	7.88	113	293928	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
50) Toluene-d8	10.33	98	1115955	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.62	95	372964	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

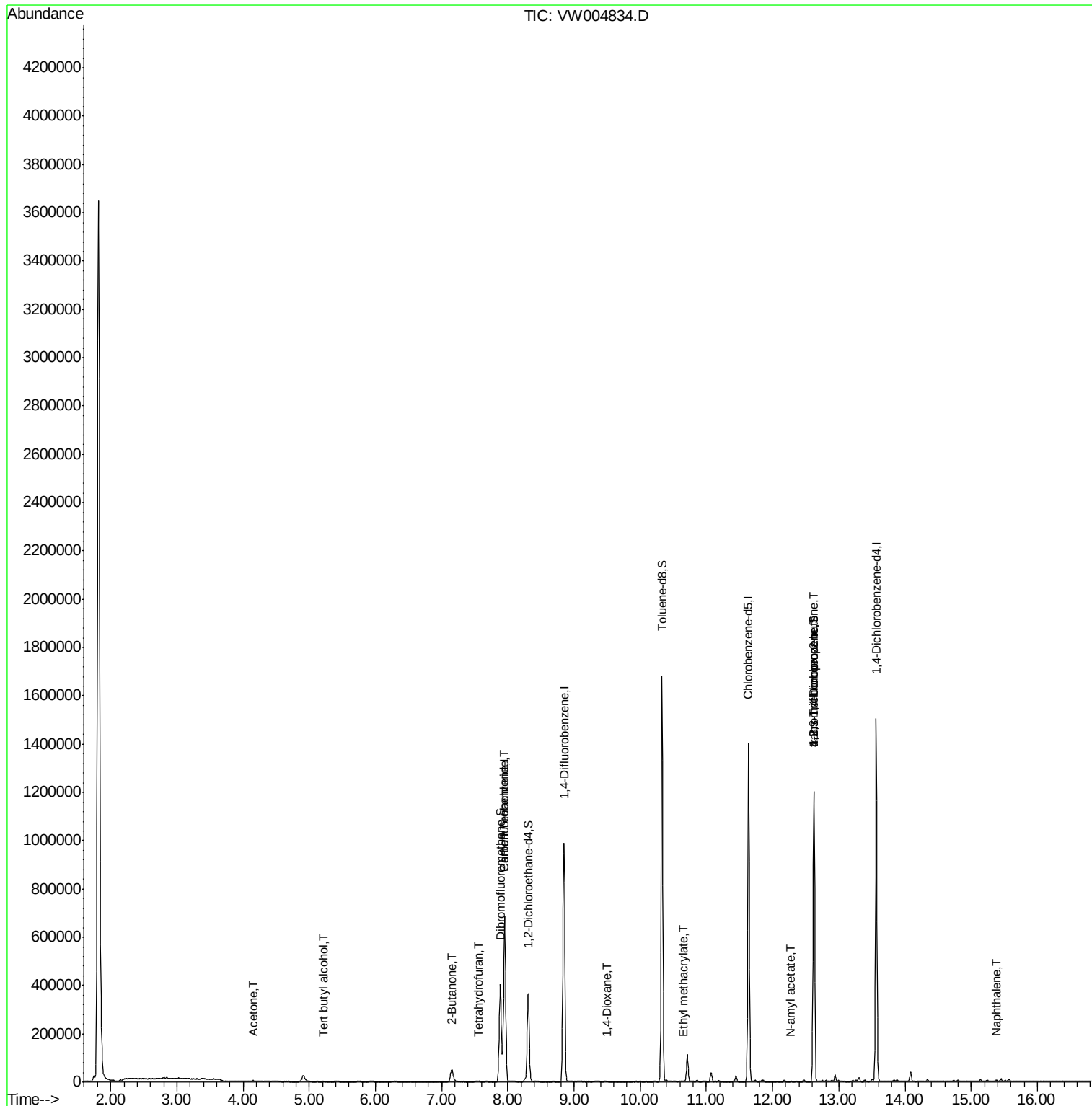
					Qvalue	
11) Tert butyl alcohol	5.21	59	543	1.876	ug/l #	85
16) Acetone	4.14	43	8029	6.070	ug/l #	84
20) Methylene Chloride	4.91	84	20447	Below Cal		94
25) 2-Butanone	7.16	43	3355	1.780	ug/l #	75
29) Tetrahydrofuran	7.56	42	1056	1.099	ug/l #	33
38) Carbon Tetrachloride	7.95	117	48126	6.022	ug/l #	17
49) 1,4-Dioxane	9.49	88	56	1.254	ug/l #	84
56) Ethyl methacrylate	10.65	69	310	3.032	ug/l #	58
74) N-amyl acetate	12.28	43	631	4.110	ug/l #	86
76) 1,2,3-Trichloropropane	12.62	75	176614	50.026	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	176614	116.275	ug/l #	14
95) Naphthalene	15.38	128	3874	3.726	ug/l #	93

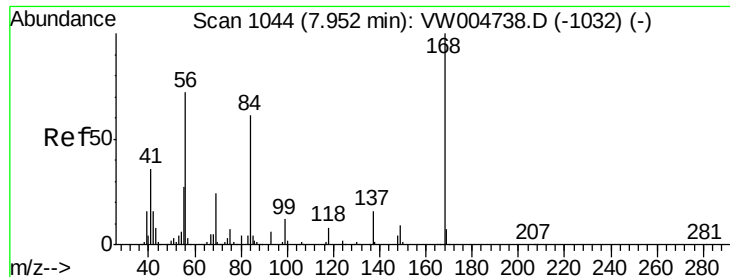
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA_W

ClientSampled :

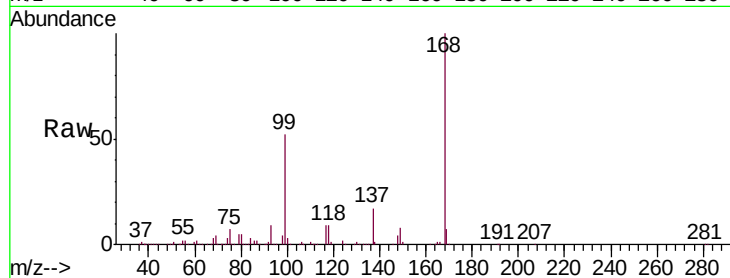
VW0821SBL01

Tgt Ion: 168 Resp: 535978

Ion Ratio Lower Upper

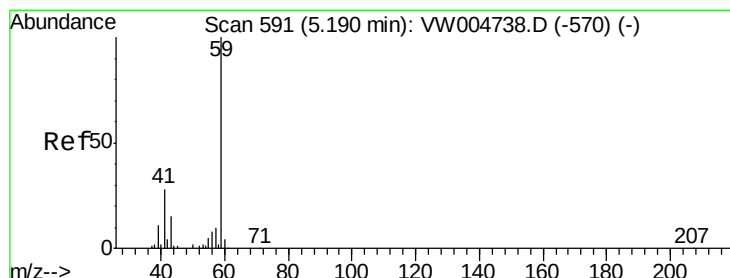
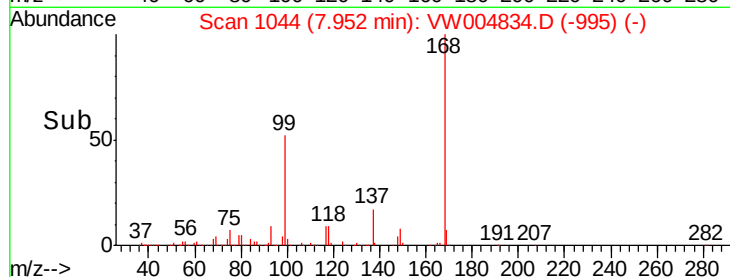
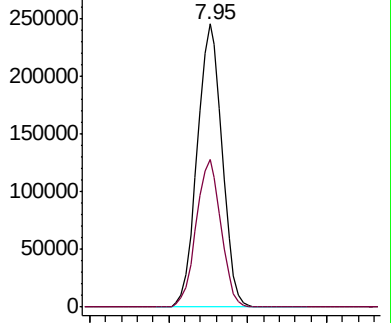
168 100

99 52.0 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.876 ug/l

RT: 5.21 min Scan# 594

Delta R.T. 0.02 min

Lab File: VW004834.D

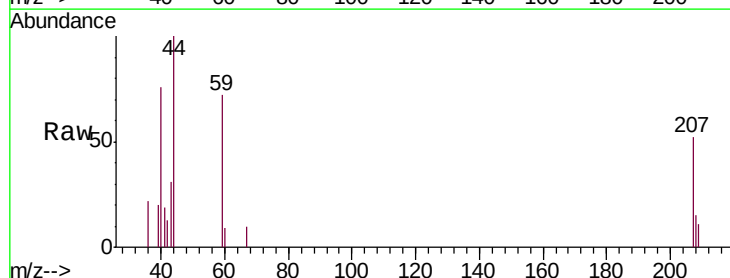
Acq: 21 Aug 2018 12:02

Tgt Ion: 59 Resp: 543

Ion Ratio Lower Upper

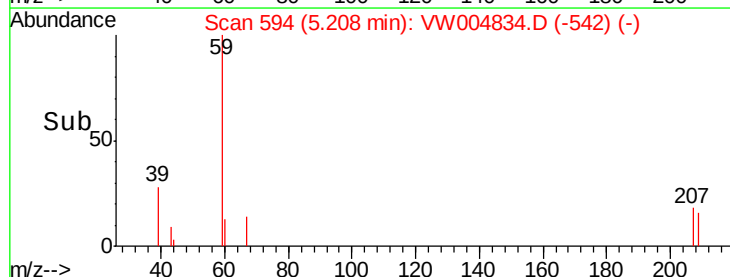
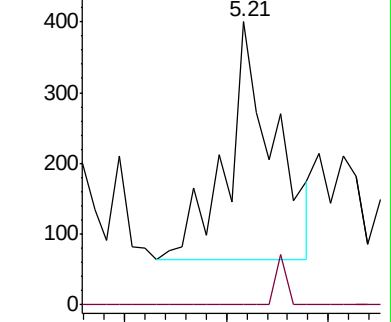
59 100

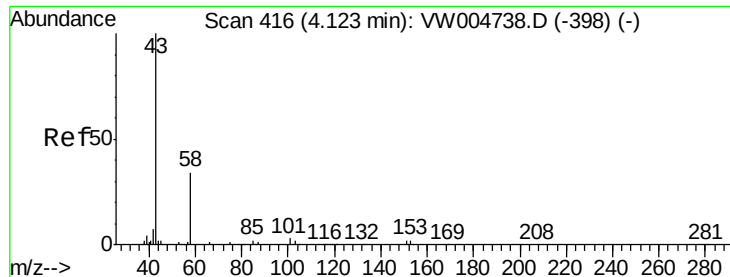
57 4.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 6.070 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA_W

ClientSampleId :

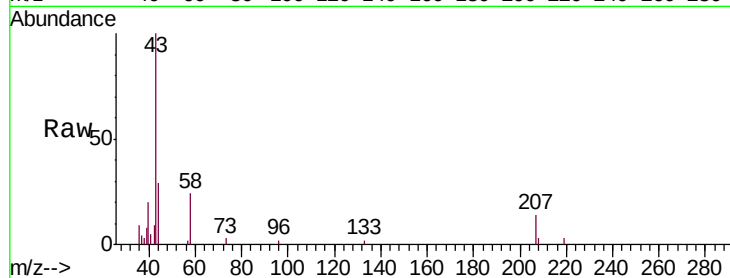
VW0821SBL01

Tgt Ion: 43 Resp: 8029

Ion Ratio Lower Upper

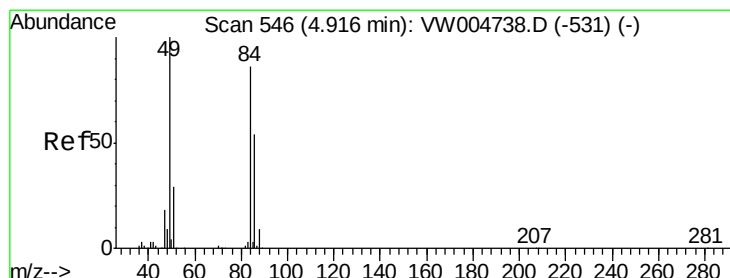
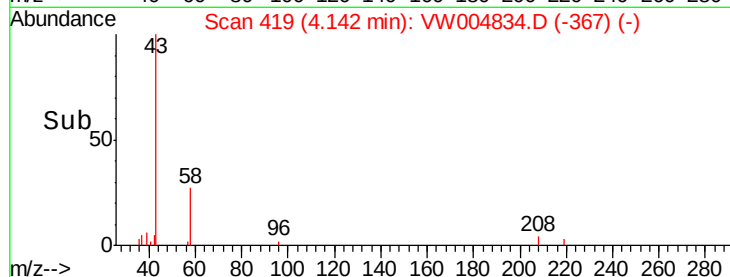
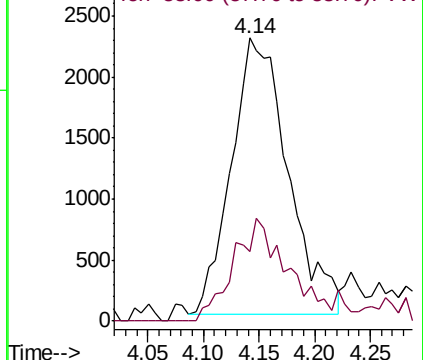
43 100

58 25.1 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. -0.01 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Tgt Ion: 84 Resp: 20447

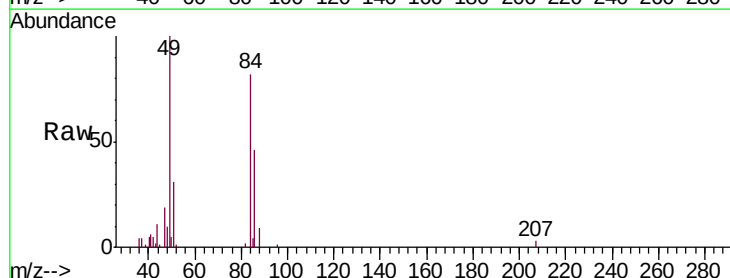
Ion Ratio Lower Upper

84 100

49 121.3 93.2 139.8

51 37.0 27.4 41.0

86 56.2 50.6 75.8

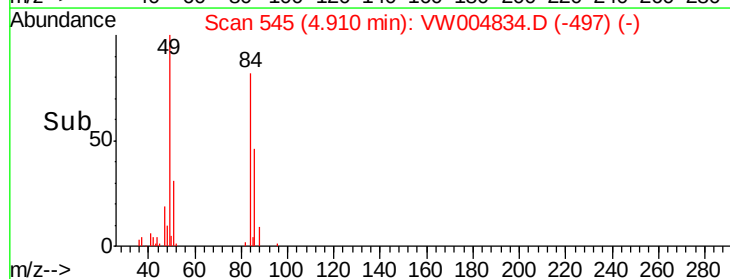
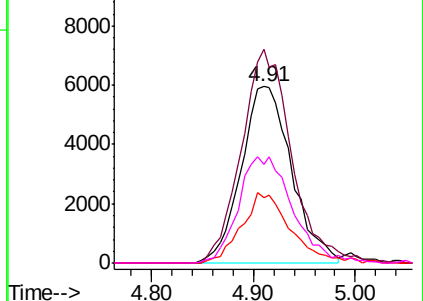


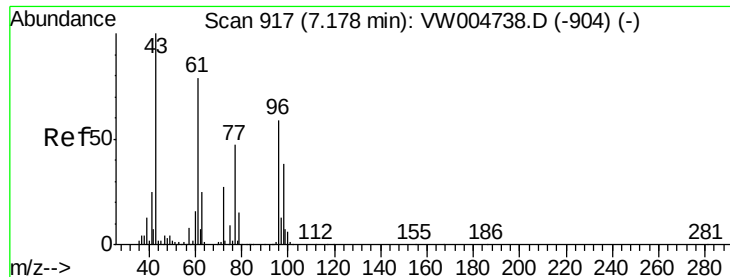
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.780 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA_W

ClientSampleId :

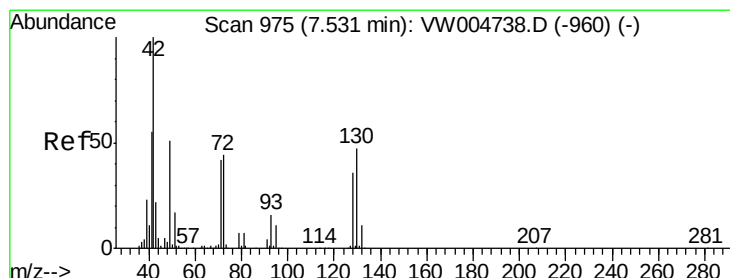
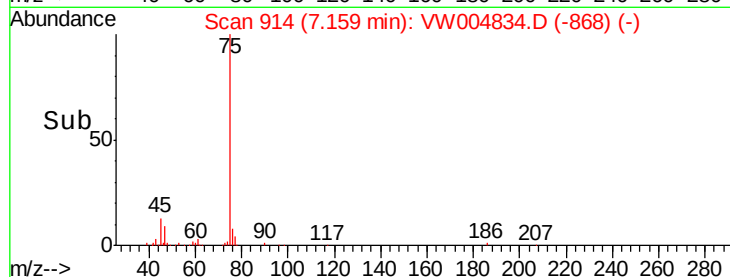
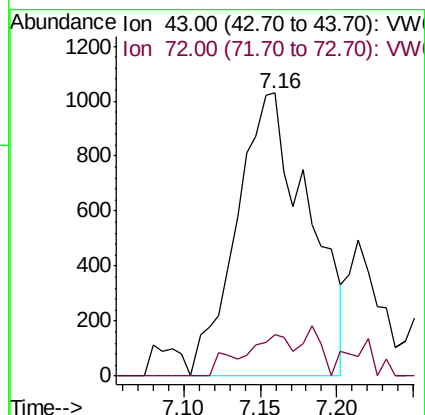
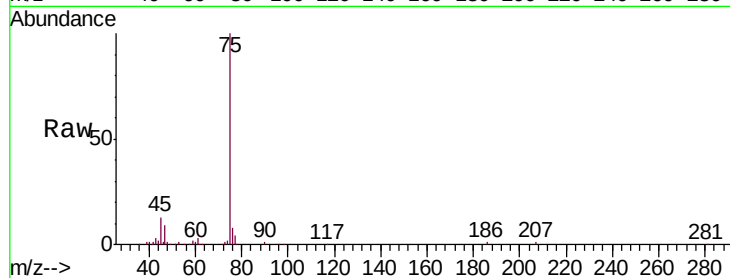
VW0821SBL01

Tgt Ion: 43 Resp: 3355

Ion Ratio Lower Upper

43 100

72 14.7 22.0 33.0#



#29

Tetrahydrofuran

Concen: 1.099 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

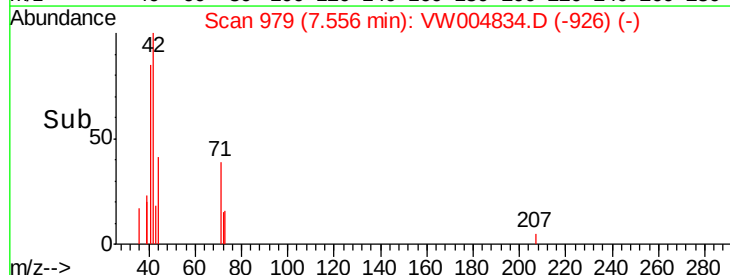
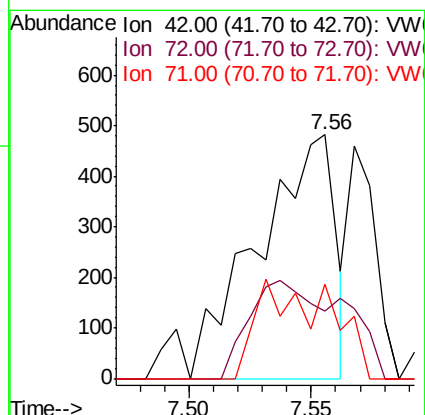
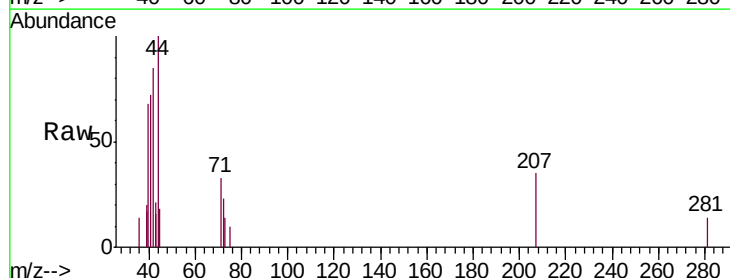
Tgt Ion: 42 Resp: 1056

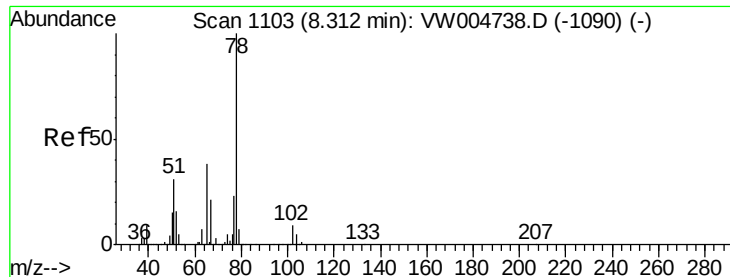
Ion Ratio Lower Upper

42 100

72 0.0 34.9 52.3#

71 0.0 33.8 50.6#

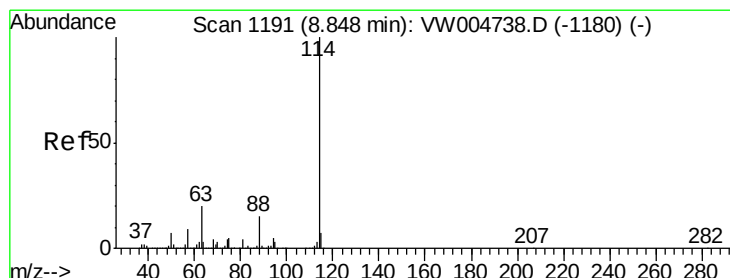
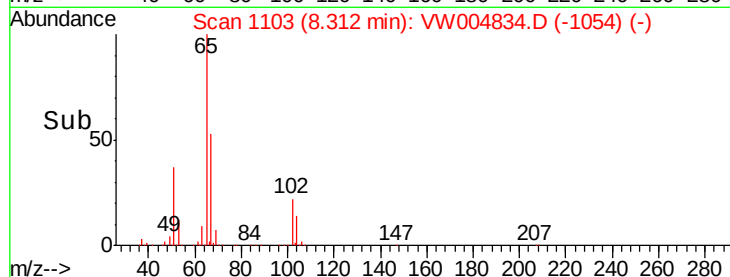
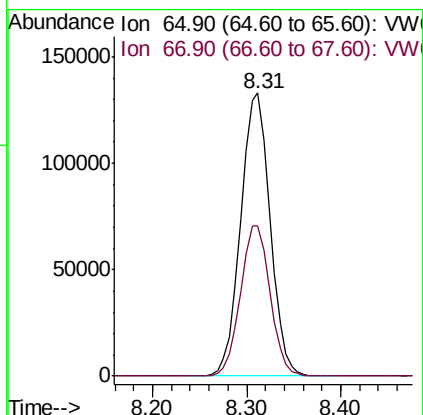
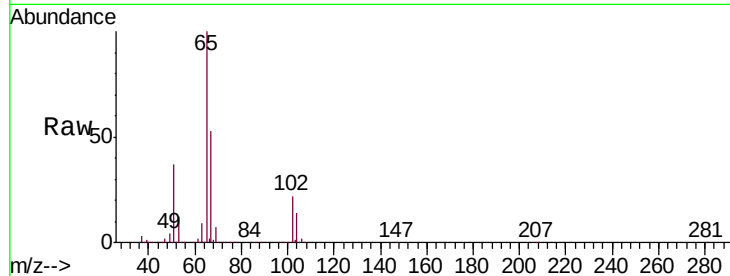




#33
 1,2-Dichloroethane-d4
 Concen: 56.170 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004834.D
 Acq: 21 Aug 2018 12:02

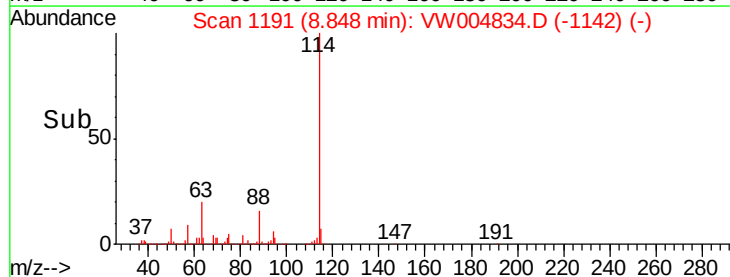
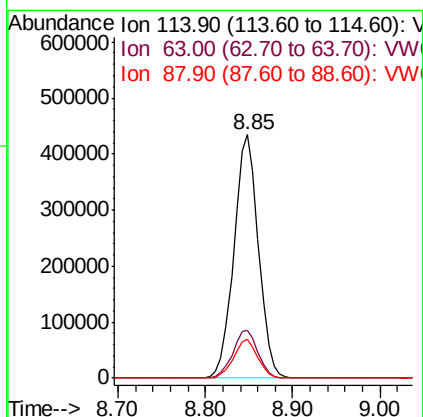
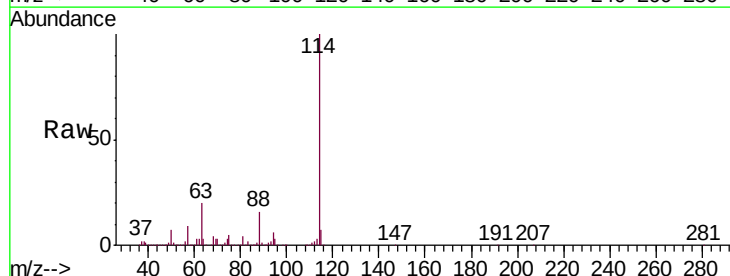
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBL01

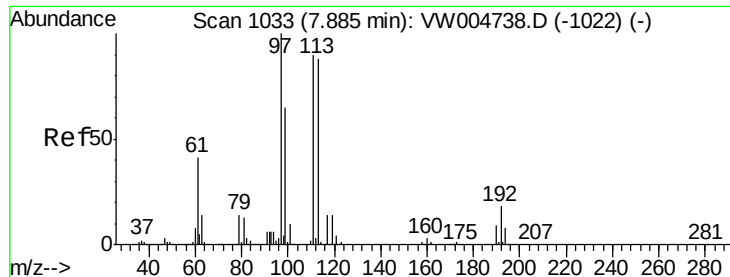
Tgt Ion: 65 Resp: 291064
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004834.D
 Acq: 21 Aug 2018 12:02

Tgt Ion: 114 Resp: 842824
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.565 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBL01

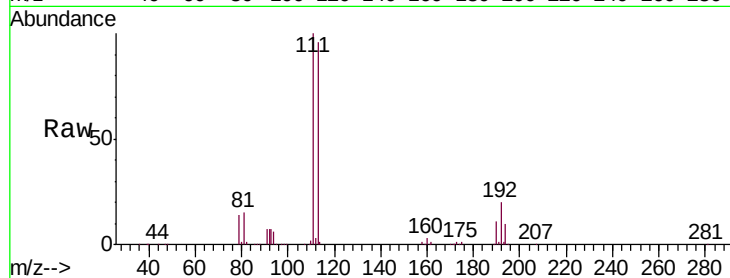
Tgt Ion:113 Resp: 293928

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

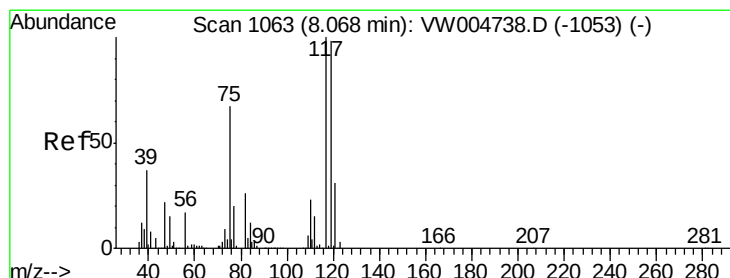
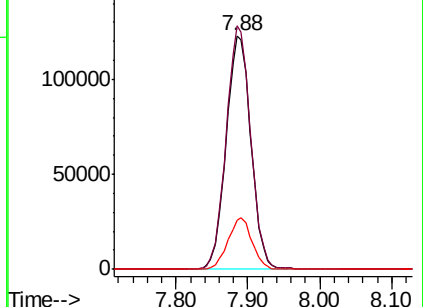
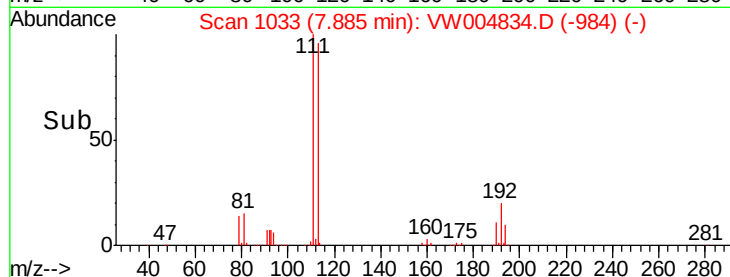
192 21.4 16.7 25.1



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



#38

Carbon Tetrachloride

Concen: 6.022 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

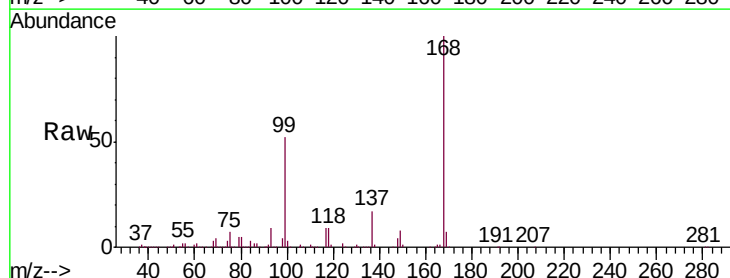
Tgt Ion:117 Resp: 48126

Ion Ratio Lower Upper

117 100

119 7.0 78.0 117.0#

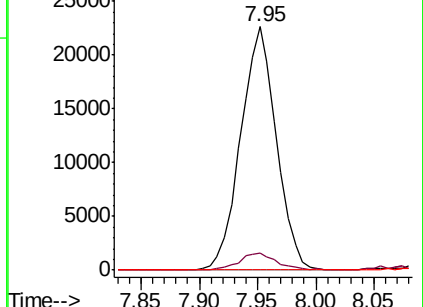
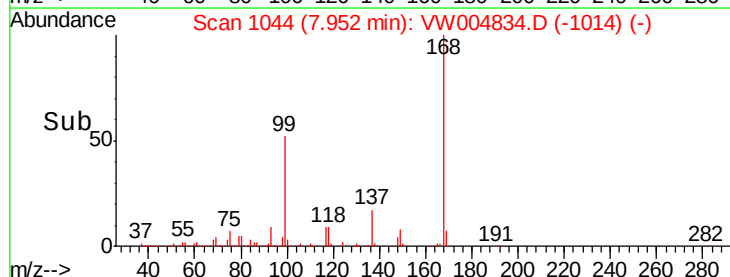
121 0.0 24.8 37.2#

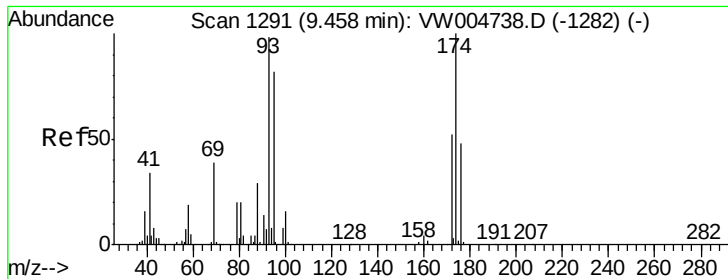


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.254 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.04 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA_W

ClientSampled :

VW0821SBL01

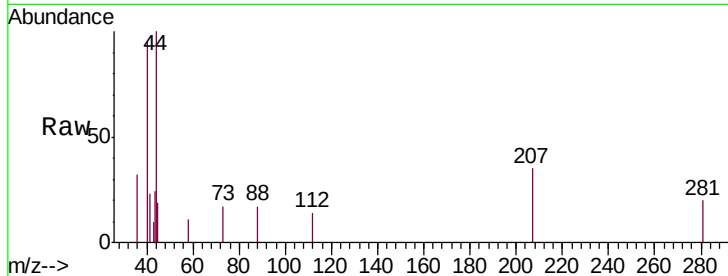
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

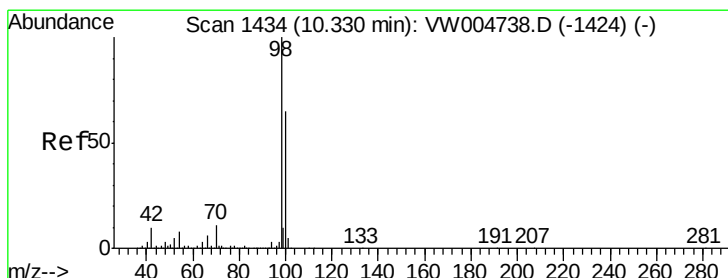
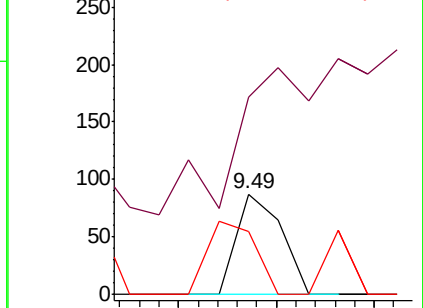
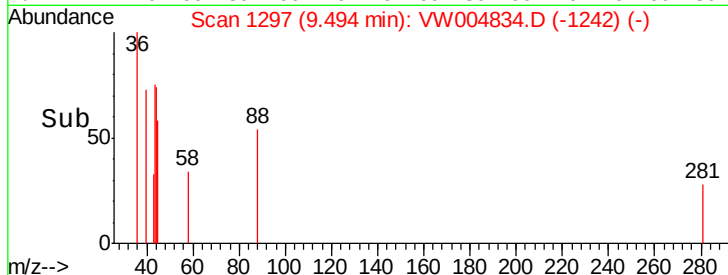
58 76.8 60.0 90.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.071 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004834.D

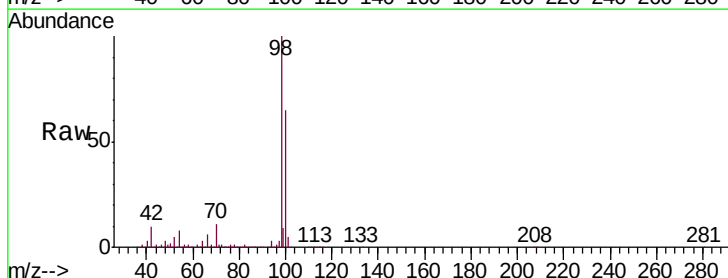
Acq: 21 Aug 2018 12:02

Tgt Ion: 98 Resp: 1115955

Ion Ratio Lower Upper

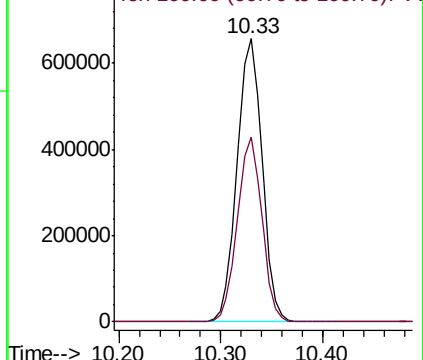
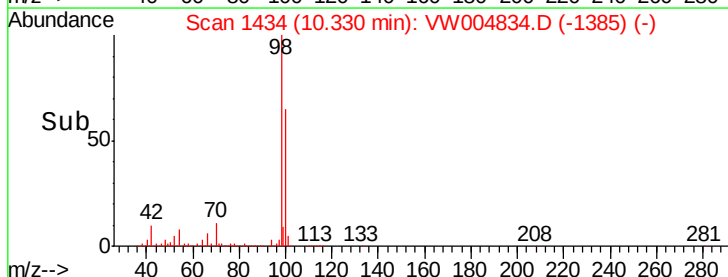
98 100

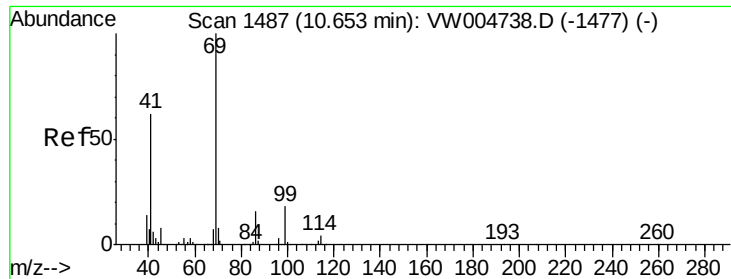
100 63.9 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.032 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBL01

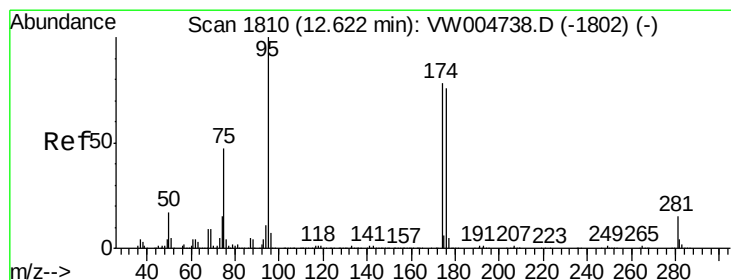
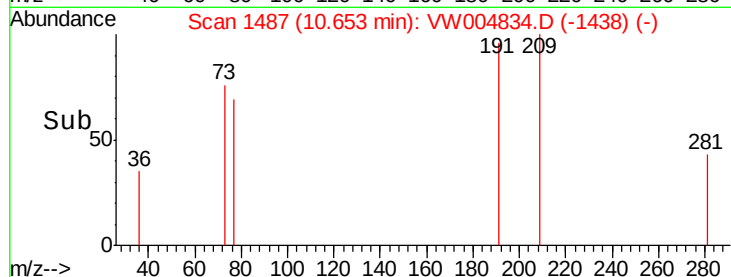
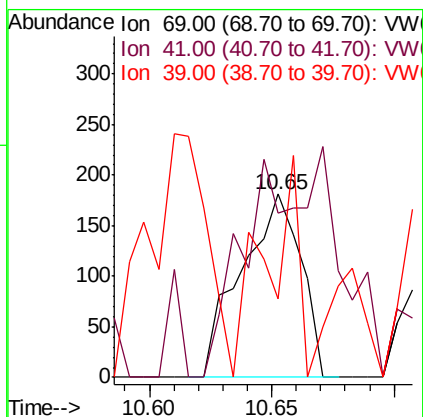
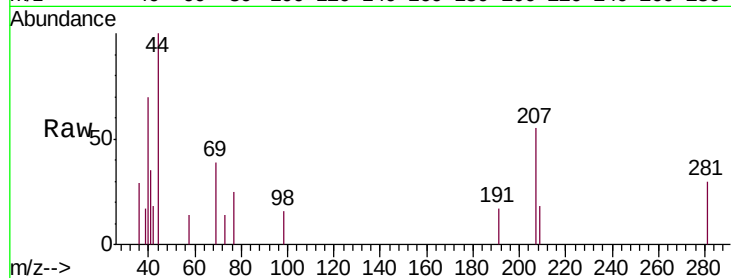
Tgt Ion: 69 Resp: 310

Ion Ratio Lower Upper

69 100

41 101.3 50.7 76.1#

39 40.0 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 49.301 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

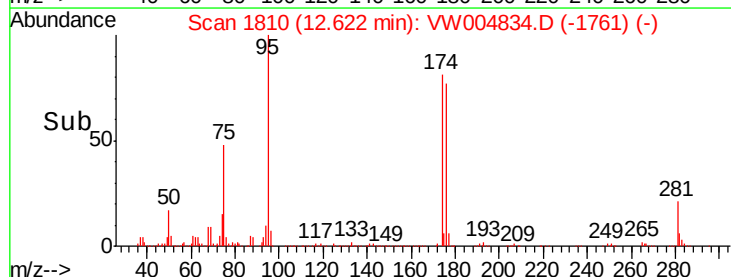
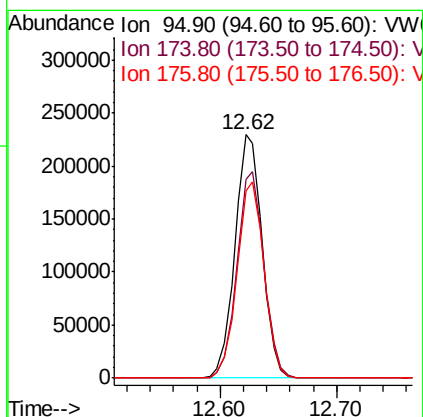
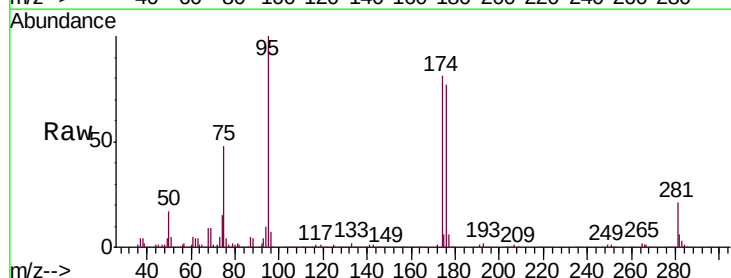
Tgt Ion: 95 Resp: 372964

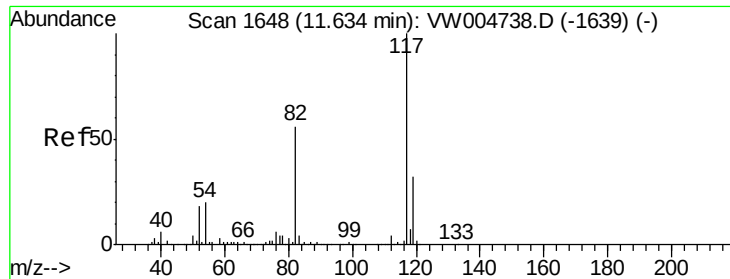
Ion Ratio Lower Upper

95 100

174 84.4 0.0 165.8

176 80.2 0.0 159.8

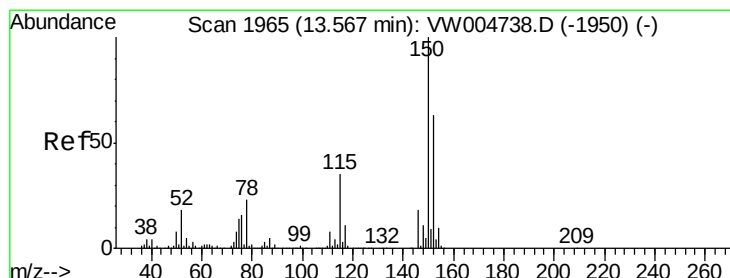
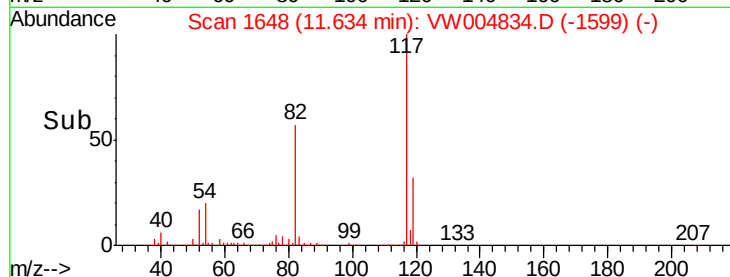
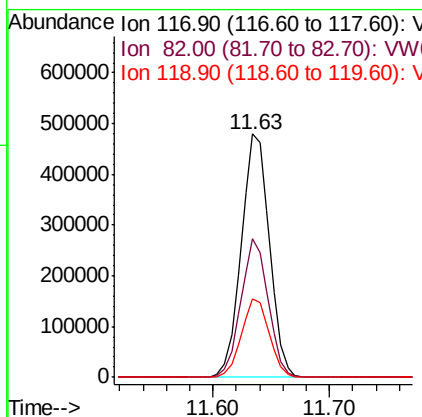
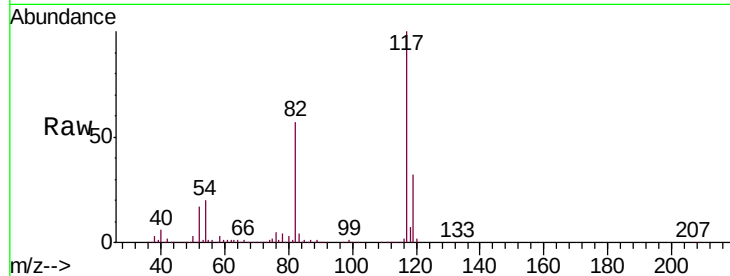




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004834.D
Acq: 21 Aug 2018 12:02

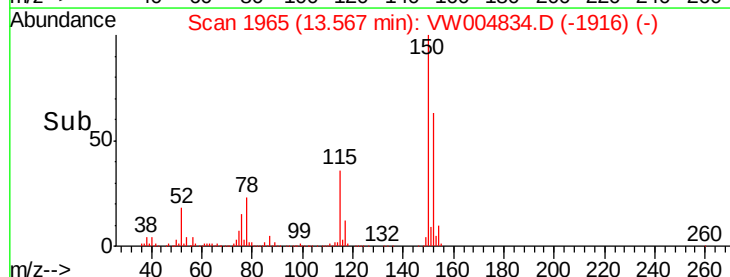
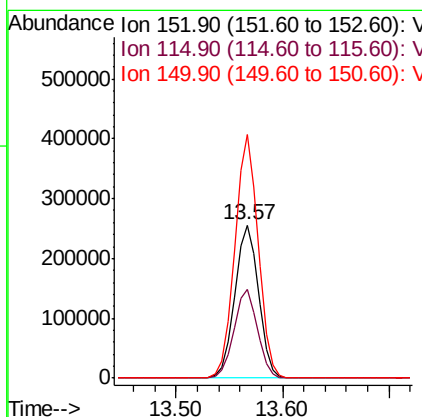
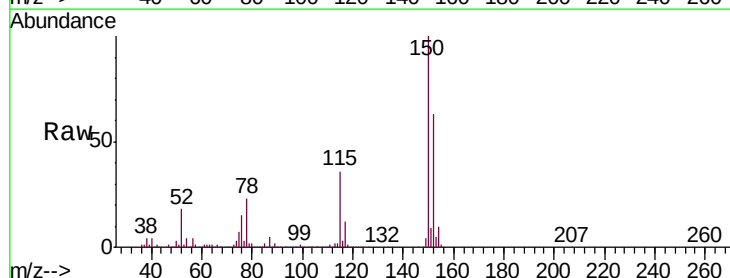
Instrument :
MSVOA_W
ClientSampleId :
VW0821SBL01

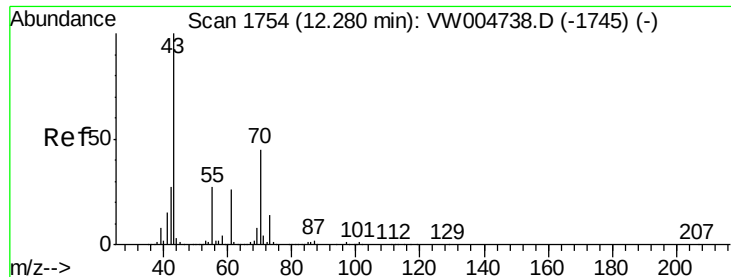
Tgt Ion:117 Resp: 808719
Ion Ratio Lower Upper
117 100
82 56.9 44.6 67.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004834.D
Acq: 21 Aug 2018 12:02

Tgt Ion:152 Resp: 400492
Ion Ratio Lower Upper
152 100
115 57.2 28.5 85.5
150 155.8 0.0 344.8





#74

N-amyI acetate

Concen: 4.110 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBL01

Tgt Ion: 43 Resp: 631

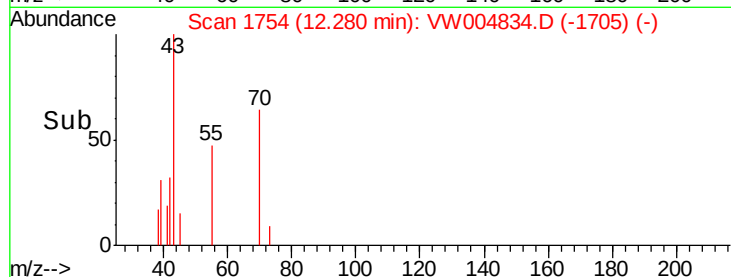
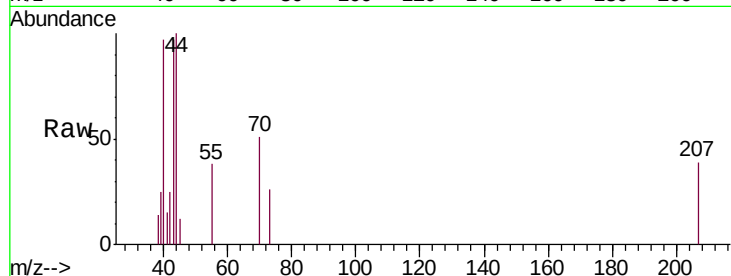
Ion Ratio Lower Upper

43 100

70 44.5 36.3 54.5

55 32.8 22.6 33.8

61 4.6 20.2 30.4#

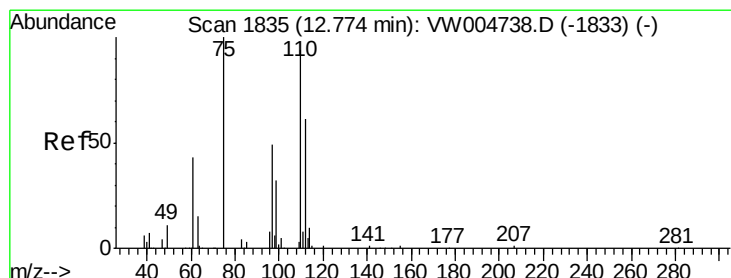
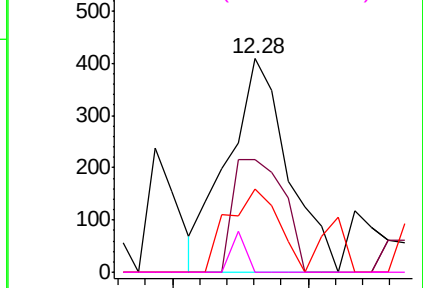


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#76

1,2,3-Trichloropropane

Concen: 50.026 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004834.D

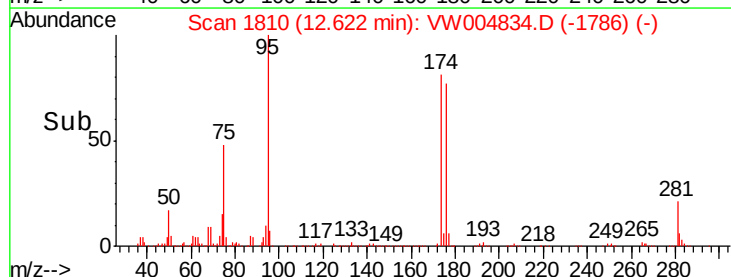
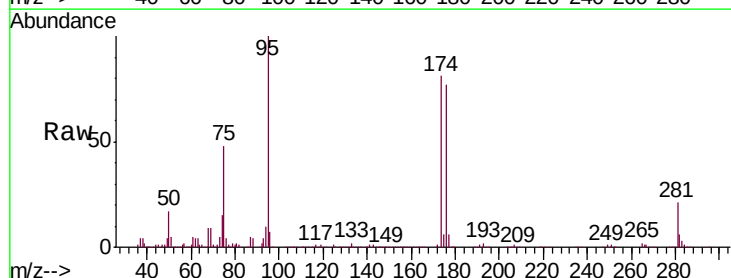
Acq: 21 Aug 2018 12:02

Tgt Ion: 75 Resp: 176614

Ion Ratio Lower Upper

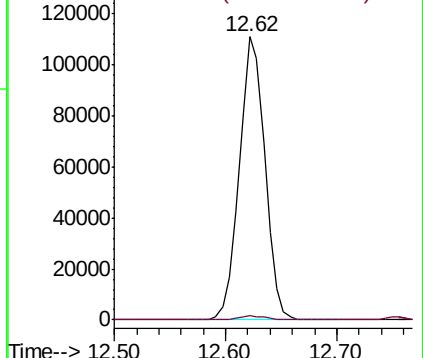
75 100

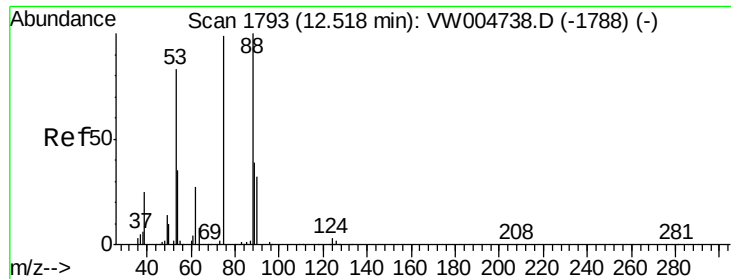
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 116.275 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0821SBL01

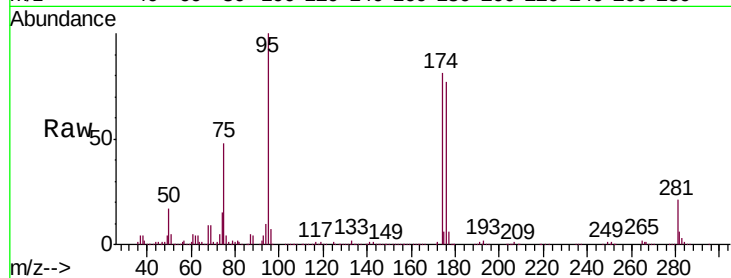
Tgt Ion: 75 Resp: 176614

Ion Ratio Lower Upper

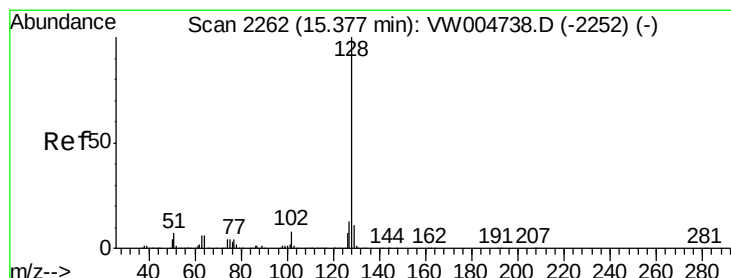
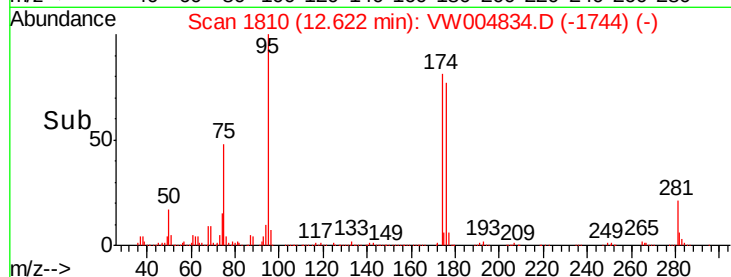
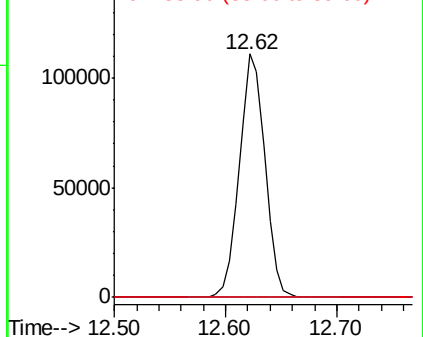
75 100

53 0.3 72.2 108.4#

89 0.3 35.2 52.8#



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



#95

Naphthalene

Concen: 3.726 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

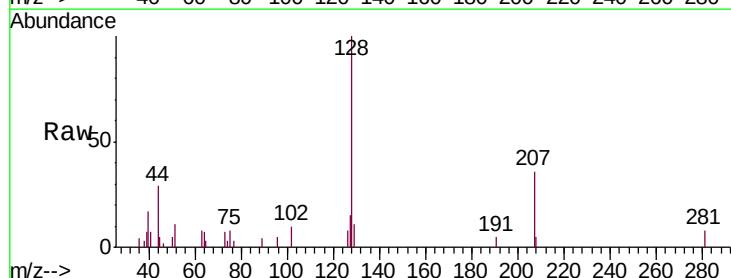
Tgt Ion: 128 Resp: 3874

Ion Ratio Lower Upper

128 100

127 17.6 10.4 15.6#

129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

