

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004629.D
 Acq On : 11 Aug 2018 06:43
 Operator : SY/AP
 Sample : J4427-01
 Misc : 5.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47197

Quant Time: Aug 13 00:49:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	38331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	55246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	42901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	11095	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	18626	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	
35) Dibromofluoromethane	7.88	113	18611	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	10.33	98	53964	38.43	ug/l	0.00
Spiked Amount			Recovery	=	76.86%	
62) 4-Bromofluorobenzene	12.63	95	12738	25.18	ug/l	0.00
Spiked Amount			Recovery	=	50.36%	

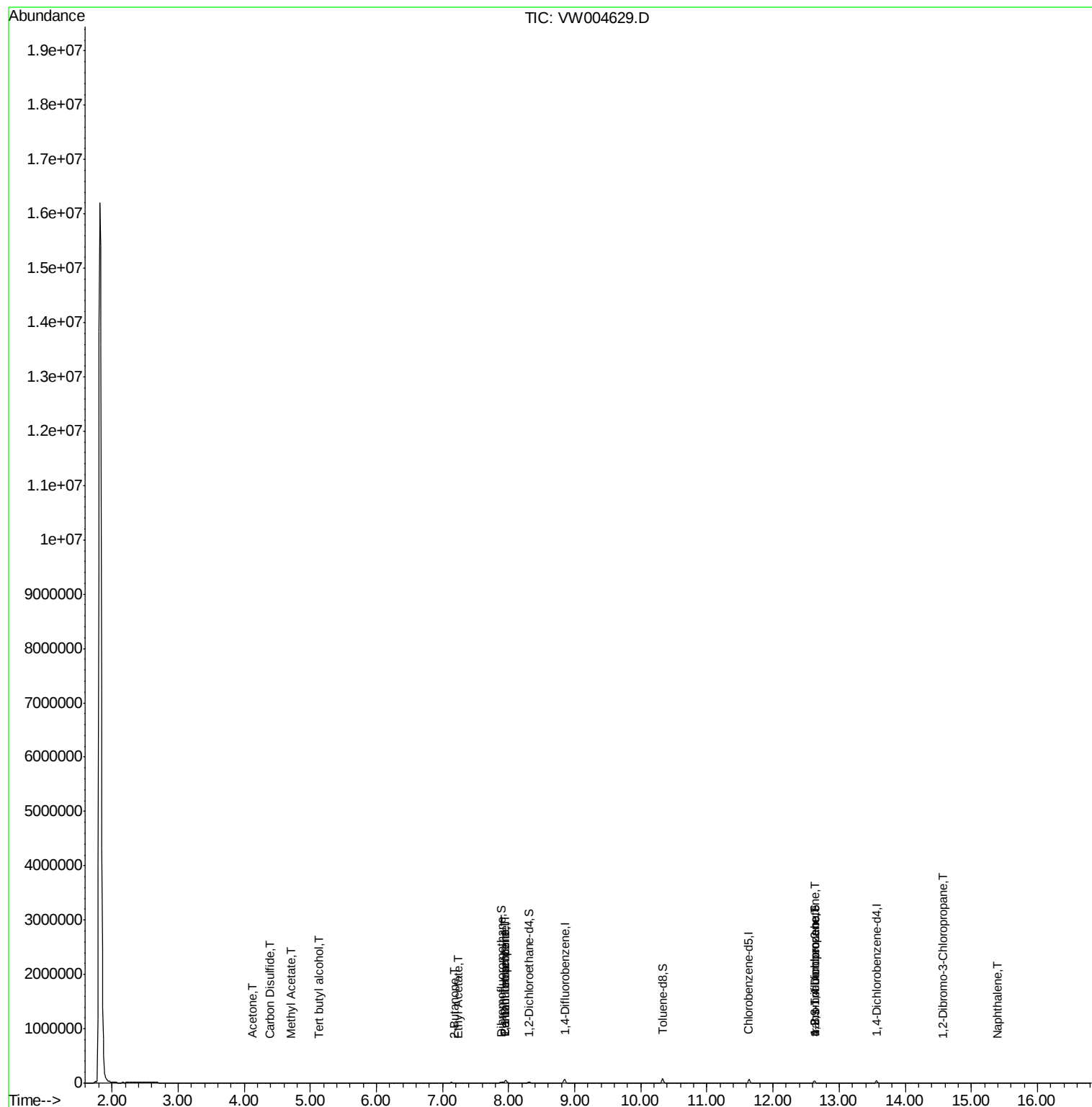
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	131	5.273	ug/l #	70
16) Acetone	4.12	43	9038	85.292	ug/l	89
17) Carbon Disulfide	4.39	76	2356	1.744	ug/l #	76
18) Methyl Acetate	4.70	43	436	1.650	ug/l #	51
20) Methylene Chloride	4.92	84	3184	Below Cal	#	89
25) 2-Butanone	7.19	43	1052	6.172	ug/l #	84
36) 1,1-Dichloropropene	7.95	75	3267	5.492	ug/l #	47
37) Ethyl Acetate	7.23	43	358	1.285	ug/l #	67
38) Carbon Tetrachloride	7.95	117	3577	6.682	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	5995	52.217	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	5995	125.001	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.57	75	41	1.566	ug/l #	2
95) Naphthalene	15.38	128	216	3.325	ug/l #	86

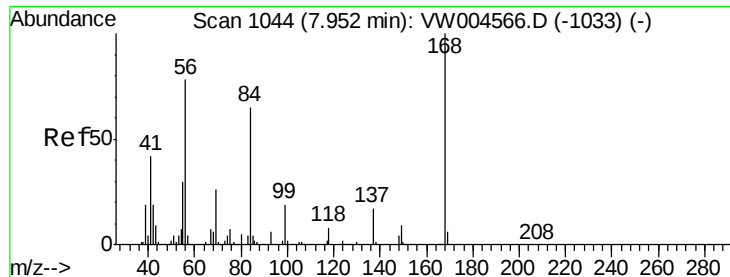
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

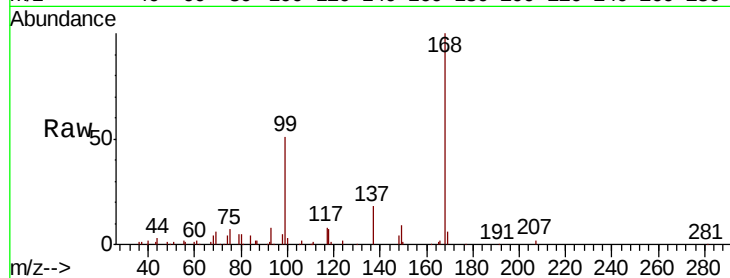
RB47197

Tgt Ion:168 Resp: 38331

Ion Ratio Lower Upper

168 100

99 50.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

15000

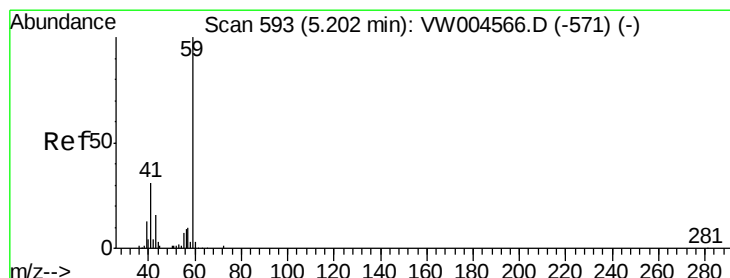
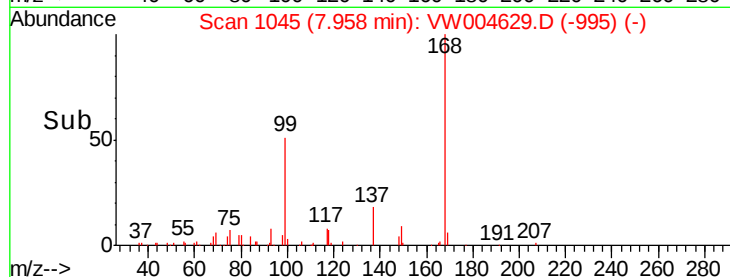
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 5.273 ug/l

RT: 5.12 min Scan# 580

Delta R.T. -0.09 min

Lab File: VW004629.D

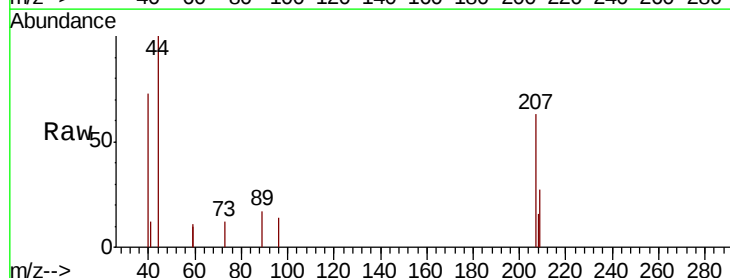
Acq: 11 Aug 2018 06:43

Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

59 100

57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

120

100

80

60

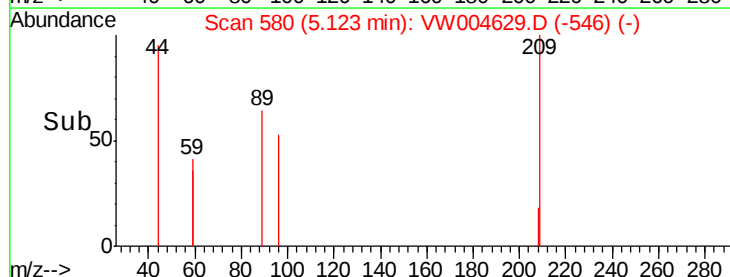
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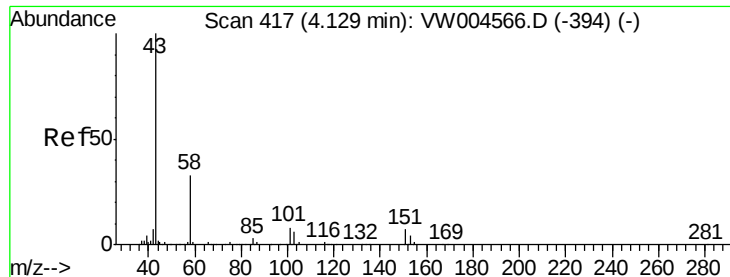
20

0

5.10 5.12 5.14

Time-->





#16

Acetone

Concen: 85.292 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

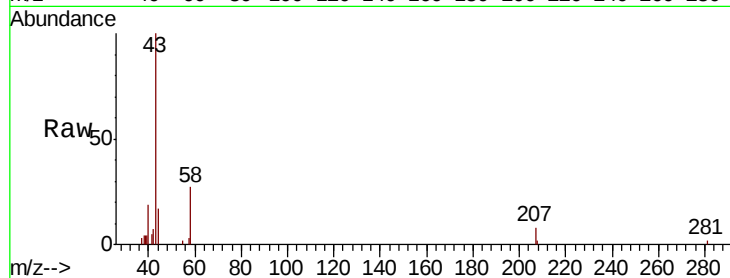
RB47197

Tgt Ion: 43 Resp: 9038

Ion Ratio Lower Upper

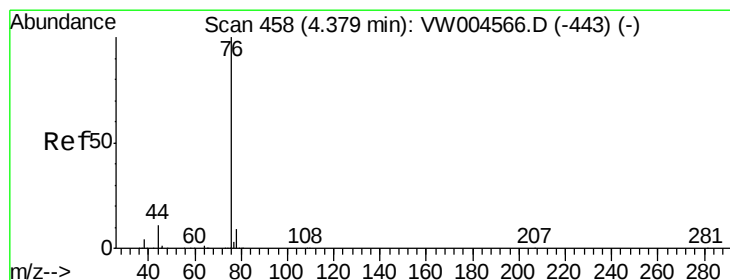
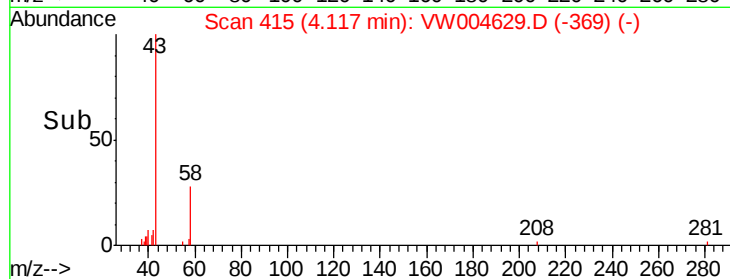
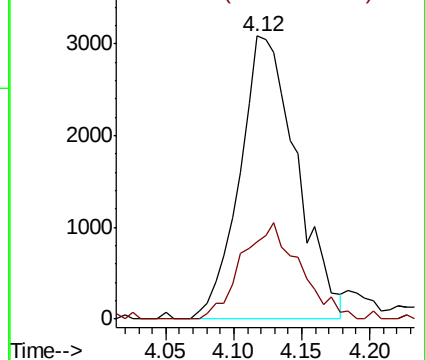
43 100

58 27.4 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.744 ug/l

RT: 4.39 min Scan# 460

Delta R.T. 0.01 min

Lab File: VW004629.D

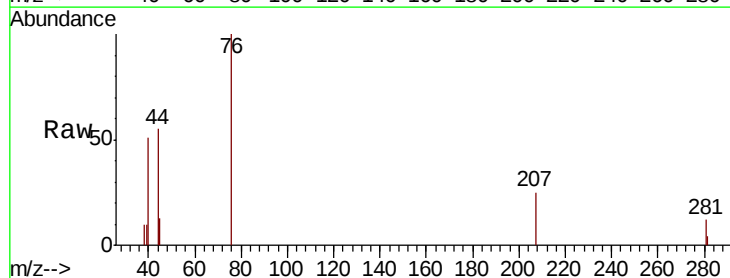
Acq: 11 Aug 2018 06:43

Tgt Ion: 76 Resp: 2356

Ion Ratio Lower Upper

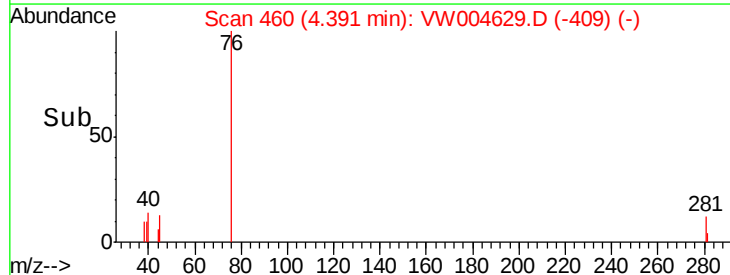
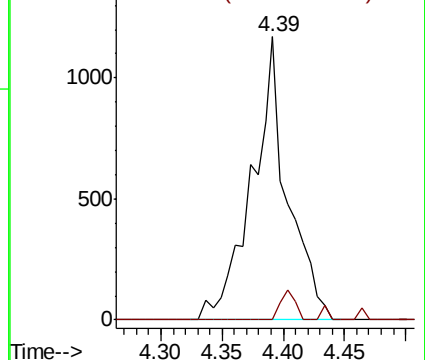
76 100

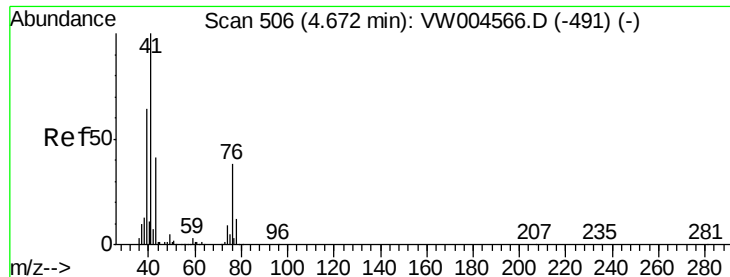
78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

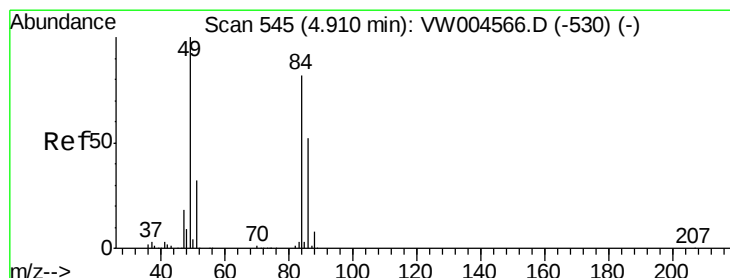
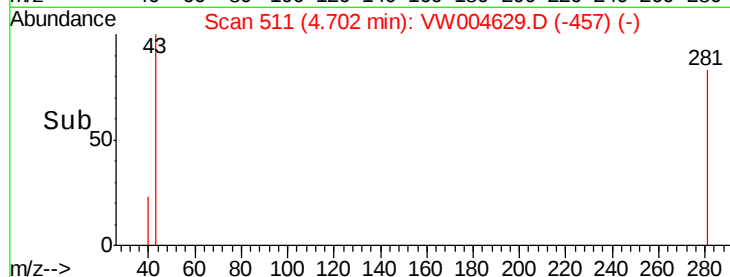
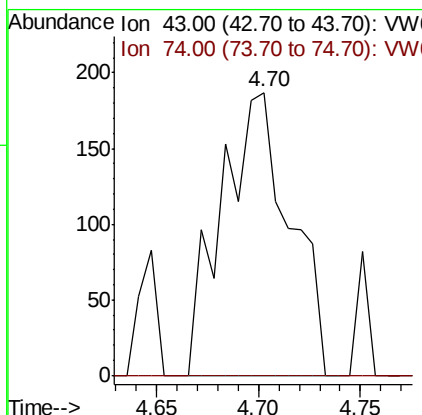
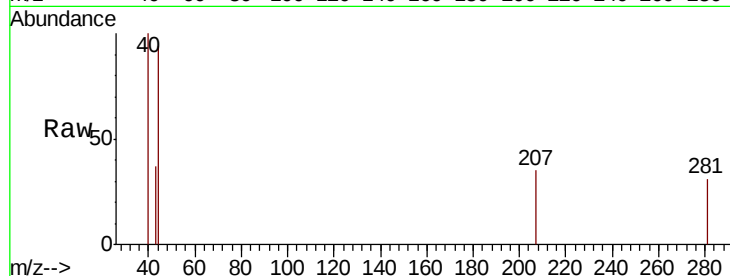




#18
Methyl Acetate
Concen: 1.650 ug/l
RT: 4.70 min Scan# 511
Delta R.T. 0.03 min
Lab File: VW004629.D
Acq: 11 Aug 2018 06:43

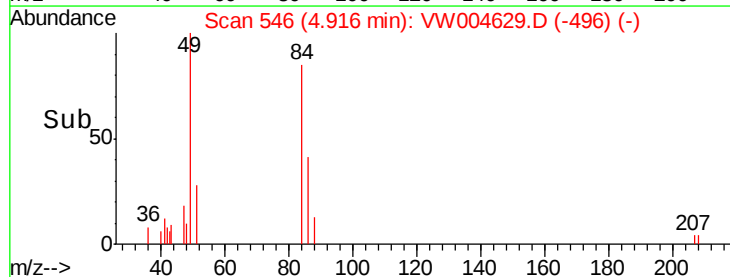
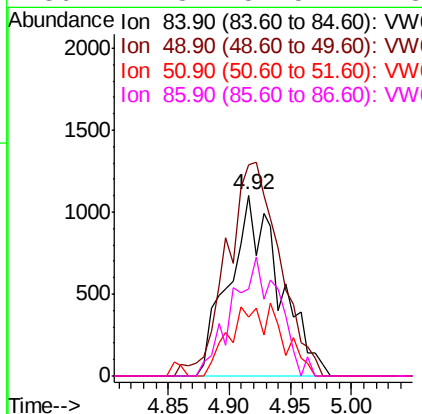
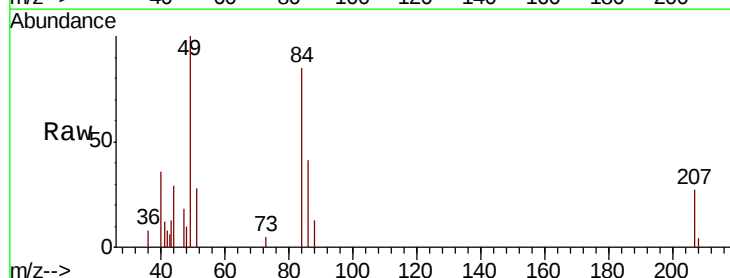
Instrument :
MSVOA_W
ClientSampled :
RB47197

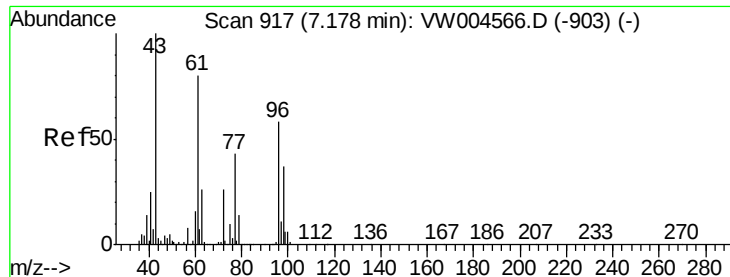
Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004629.D
Acq: 11 Aug 2018 06:43

Tgt Ion: 84 Resp: 3184
Ion Ratio Lower Upper
84 100
49 117.1 99.6 149.4
51 32.6 31.0 46.4
86 47.8 51.5 77.3#





#25

2-Butanone

Concen: 6.172 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

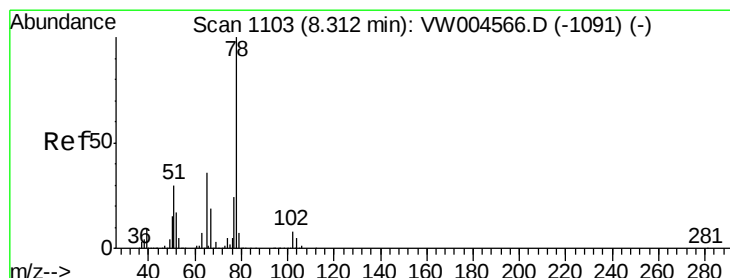
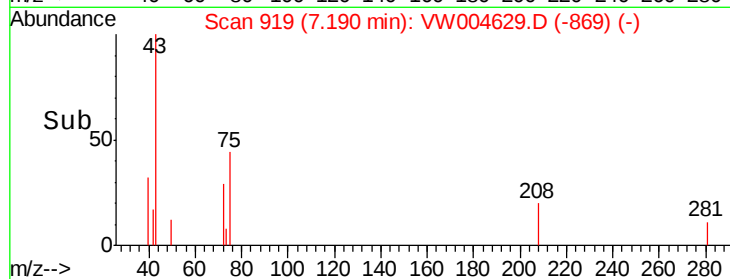
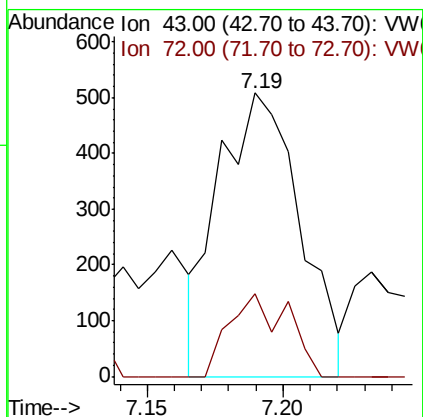
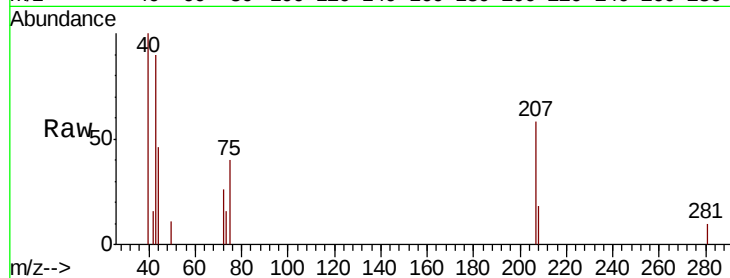
RB47197

Tgt Ion: 43 Resp: 1052

Ion Ratio Lower Upper

43 100

72 34.6 21.0 31.6#



#33

1,2-Dichloroethane-d4

Concen: 43.897 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004629.D

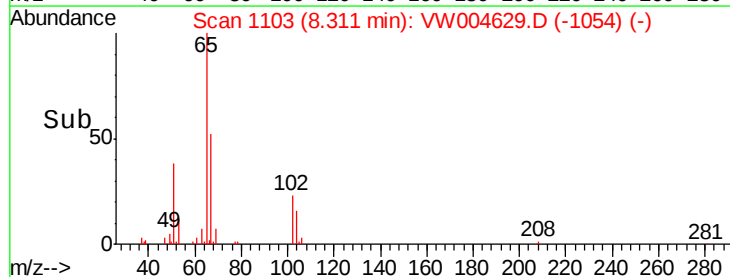
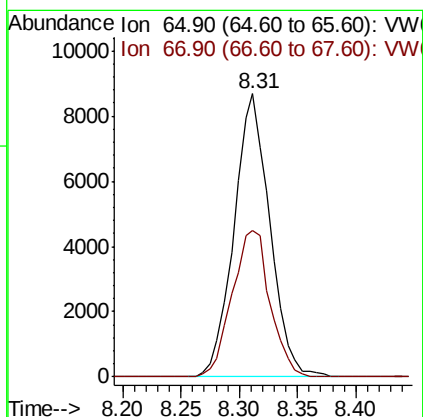
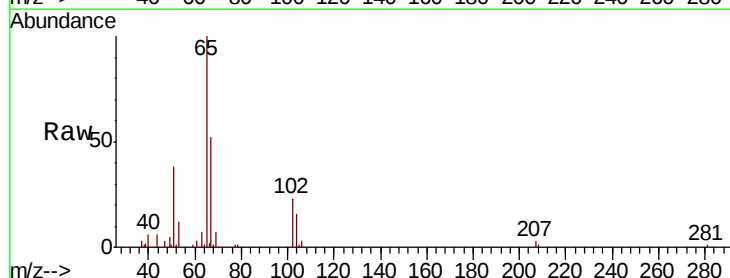
Acq: 11 Aug 2018 06:43

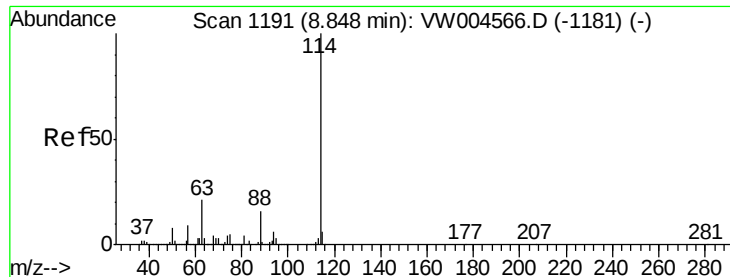
Tgt Ion: 65 Resp: 18626

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.0

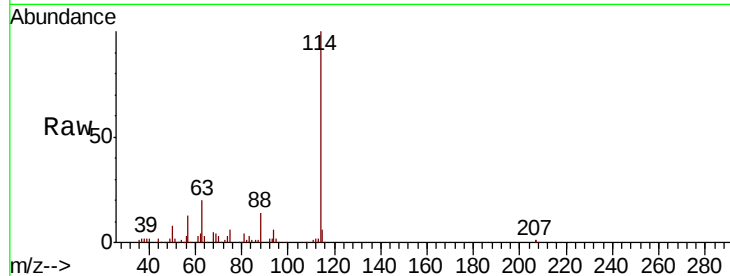




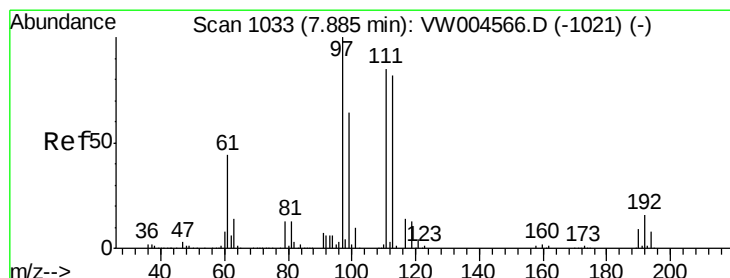
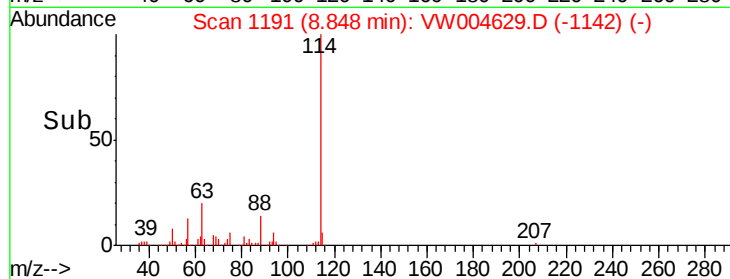
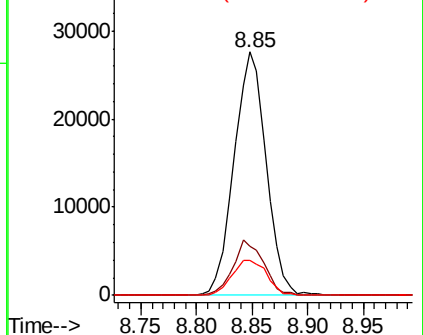
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004629.D
 Acq: 11 Aug 2018 06:43

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47197

Tgt Ion:114 Resp: 55246
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.4
 88 14.3 0.0 31.2

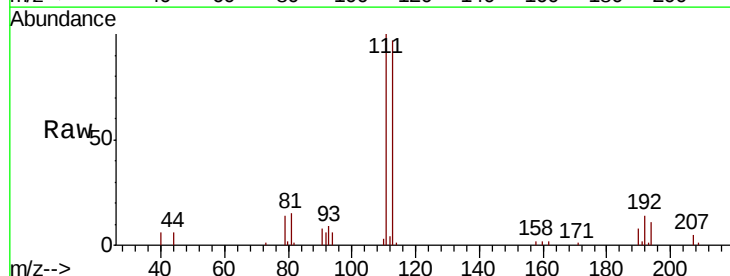


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

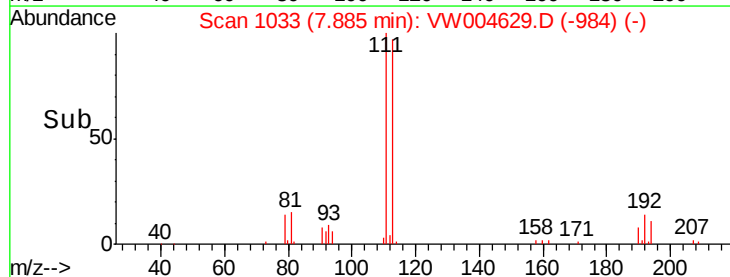
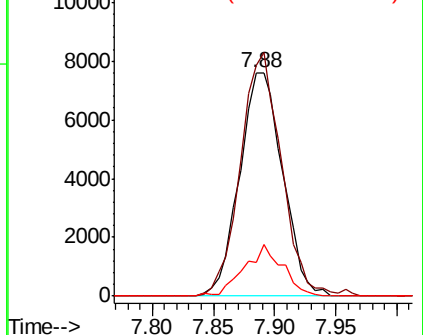


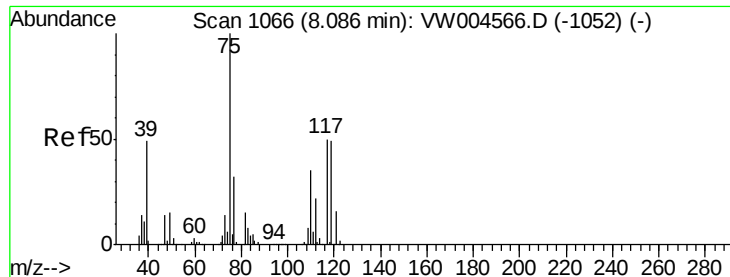
#35
 Dibromofluoromethane
 Concen: 50.524 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004629.D
 Acq: 11 Aug 2018 06:43

Tgt Ion:113 Resp: 18611
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.9 124.3
 192 20.6 15.8 23.6



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: 5.492 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

RB47197

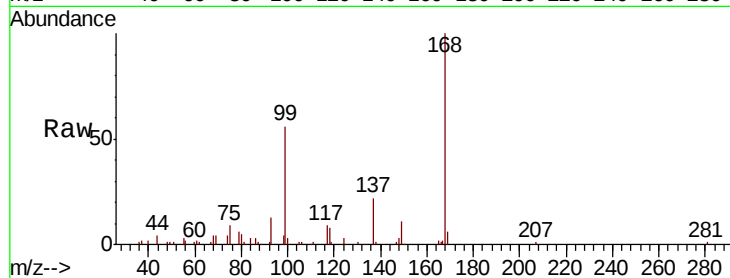
Tgt Ion: 75 Resp: 3267

Ion Ratio Lower Upper

75 100

110 5.5 17.4 52.2#

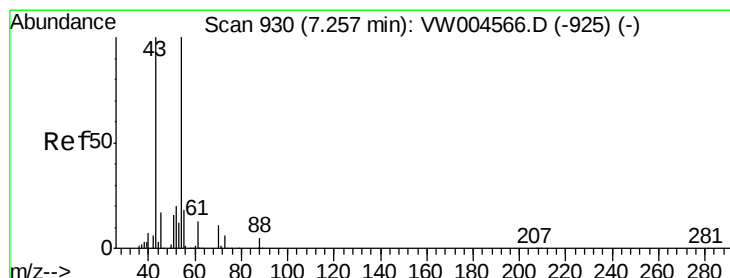
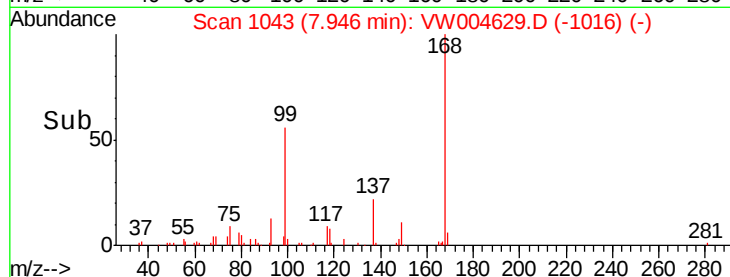
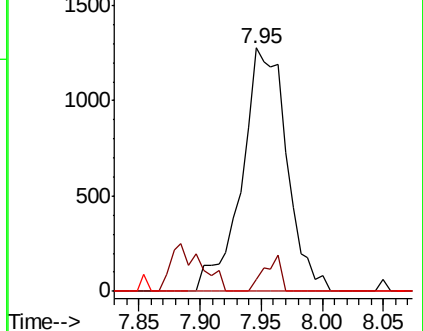
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.285 ug/l

RT: 7.23 min Scan# 926

Delta R.T. -0.02 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

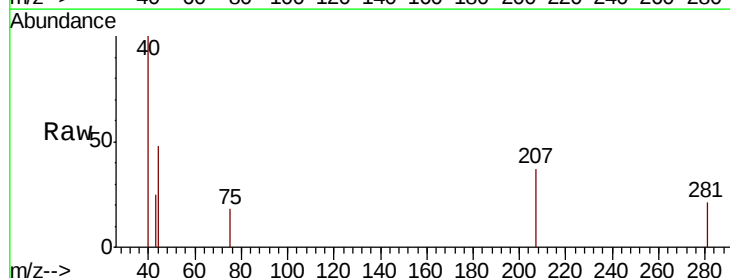
Tgt Ion: 43 Resp: 358

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

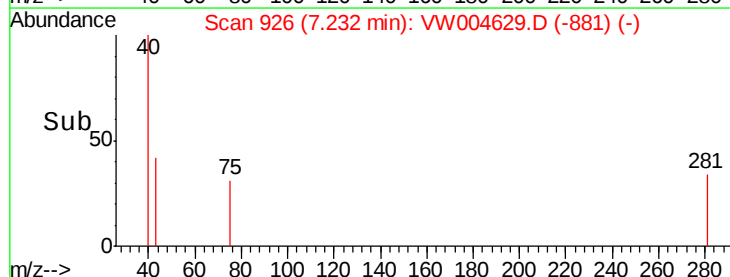
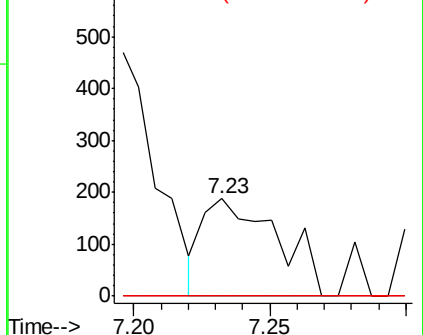
70 0.0 8.2 12.4#

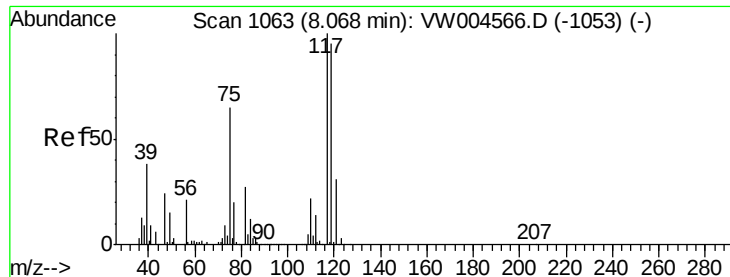


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.682 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

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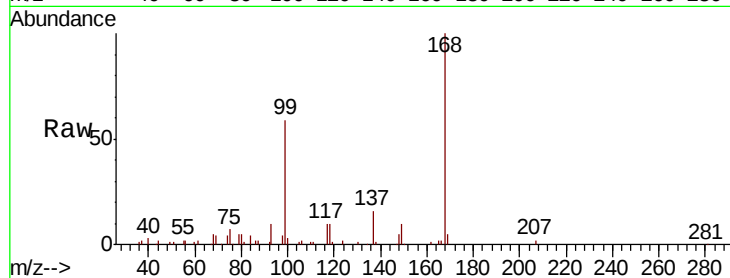
Tgt Ion:117 Resp: 3577

Ion Ratio Lower Upper

117 100

119 8.7 76.1 114.1#

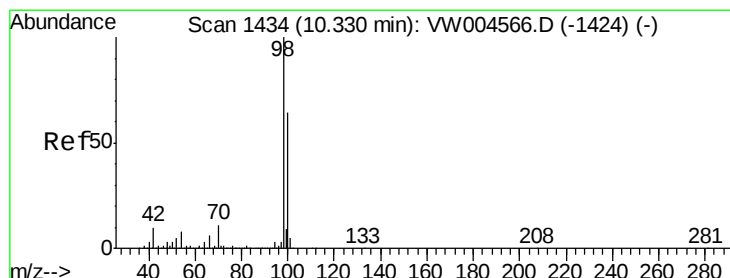
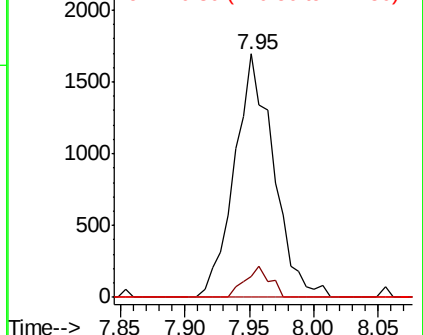
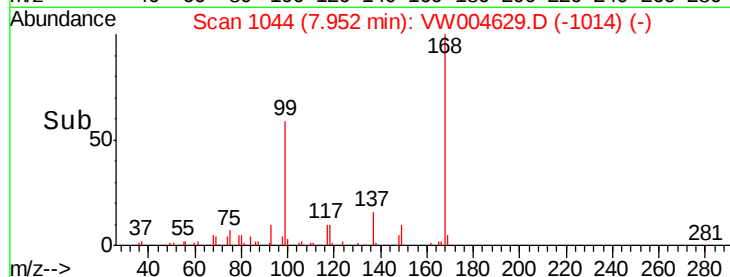
121 0.0 24.2 36.4#



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: 38.427 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004629.D

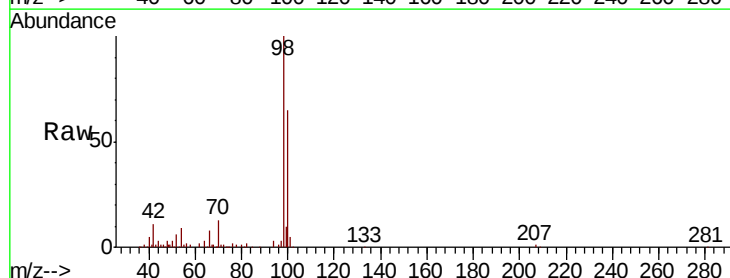
Acq: 11 Aug 2018 06:43

Tgt Ion: 98 Resp: 53964

Ion Ratio Lower Upper

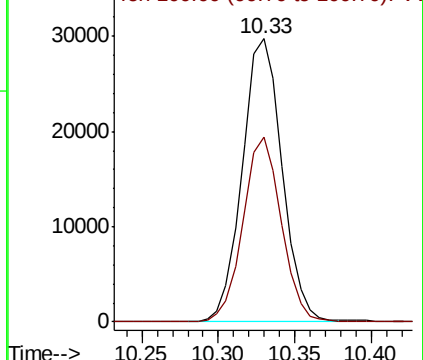
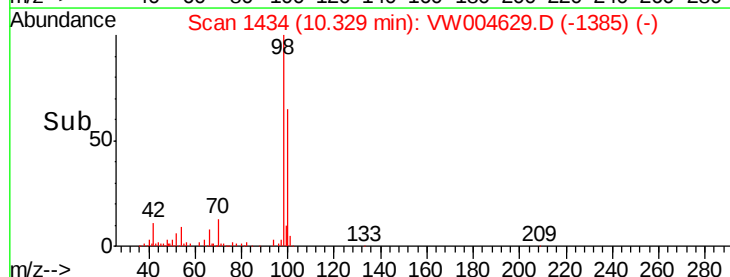
98 100

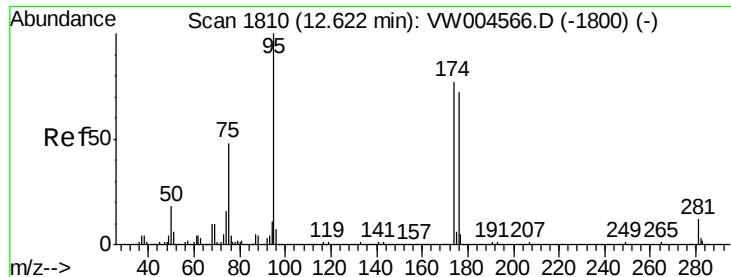
100 62.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 25.181 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

RB47197

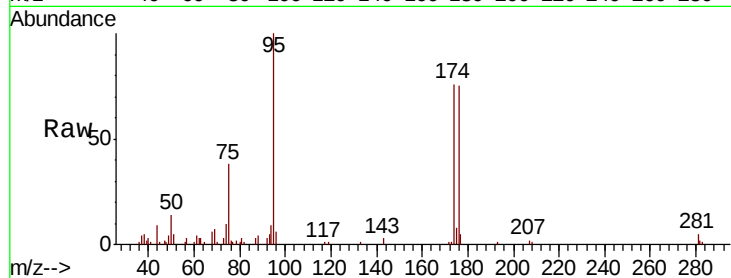
Tgt Ion: 95 Resp: 12738

Ion Ratio Lower Upper

95 100

174 79.5 0.0 160.4

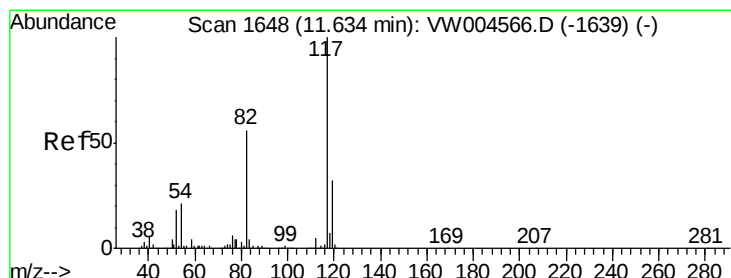
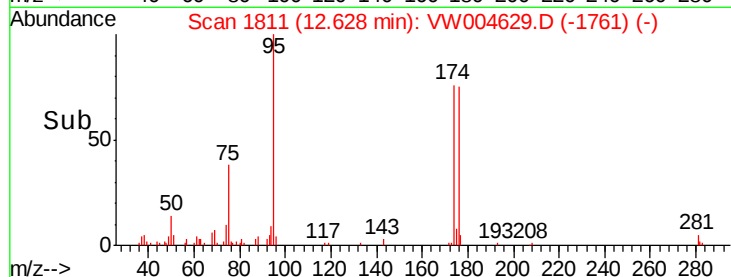
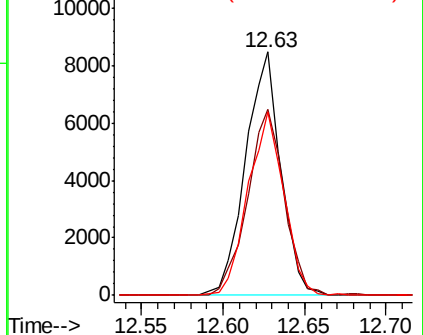
176 77.0 0.0 153.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.01 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

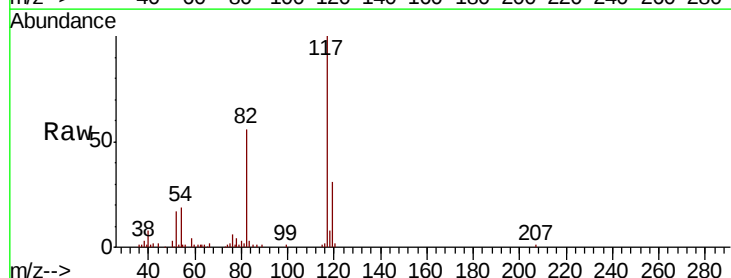
Tgt Ion: 117 Resp: 42901

Ion Ratio Lower Upper

117 100

82 55.8 45.3 67.9

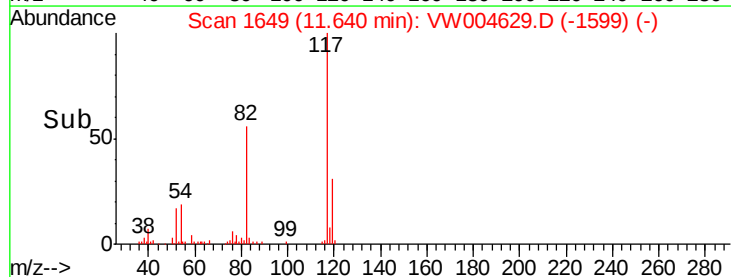
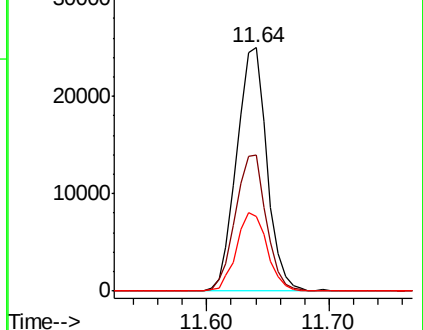
119 30.8 26.2 39.4

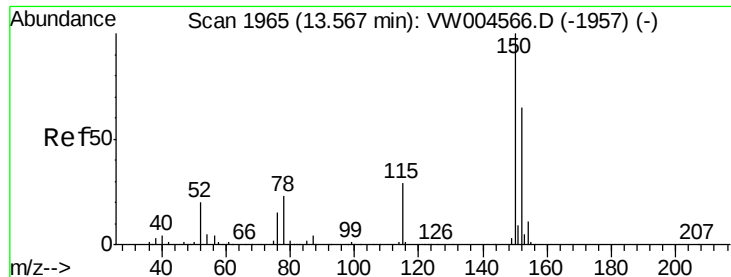


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

RB47197

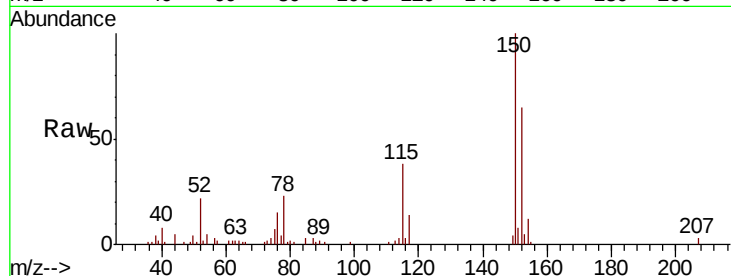
Tgt Ion:152 Resp: 11095

Ion Ratio Lower Upper

152 100

115 59.7 29.1 87.3

150 157.9 0.0 349.6

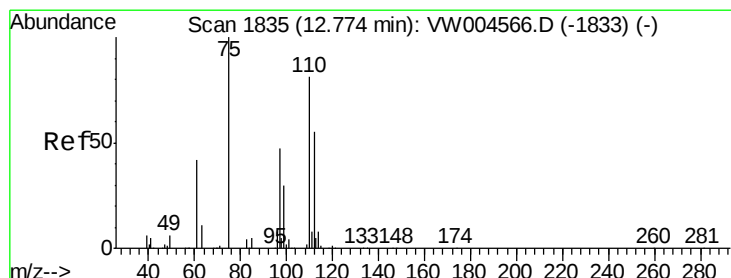
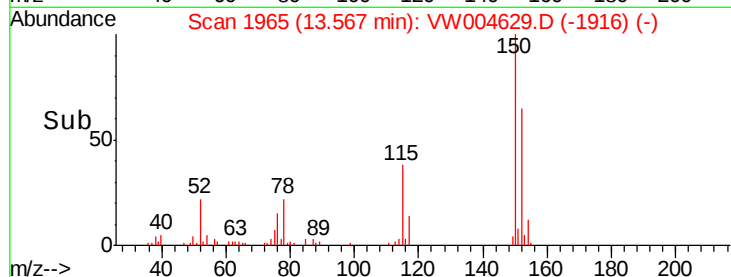
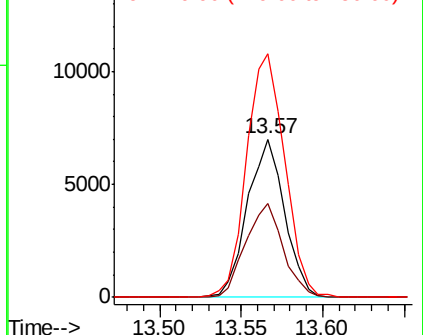


Abundance

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: 52.217 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004629.D

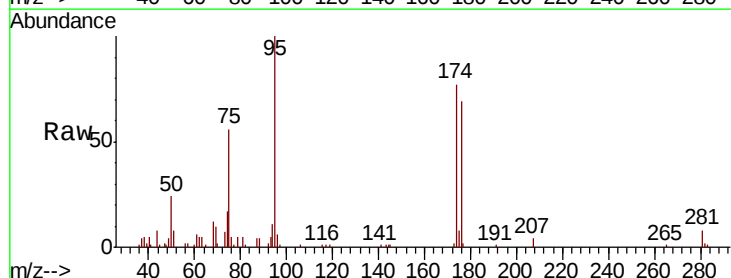
Acq: 11 Aug 2018 06:43

Tgt Ion: 75 Resp: 5995

Ion Ratio Lower Upper

75 100

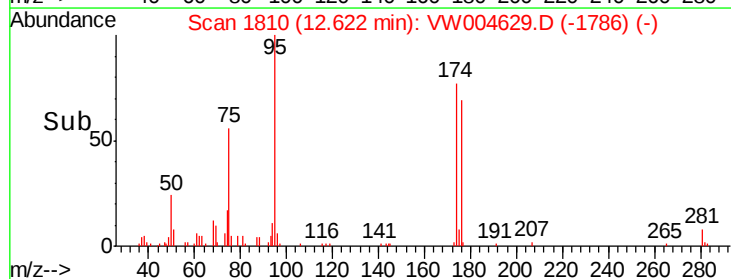
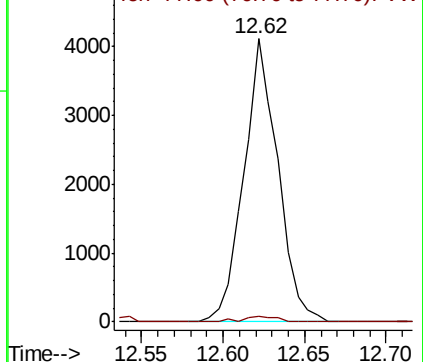
77 1.9 0.0 0.0#

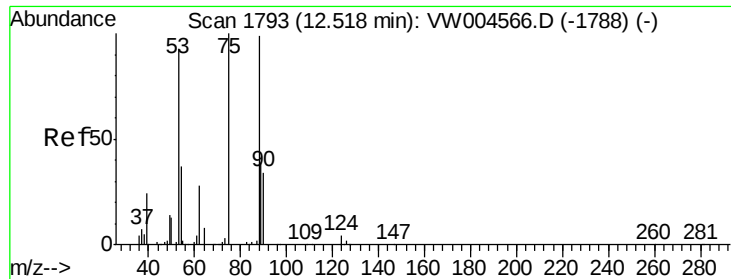


Abundance

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: 125.001 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

Instrument :

MSVOA_W

ClientSampled :

RB47197

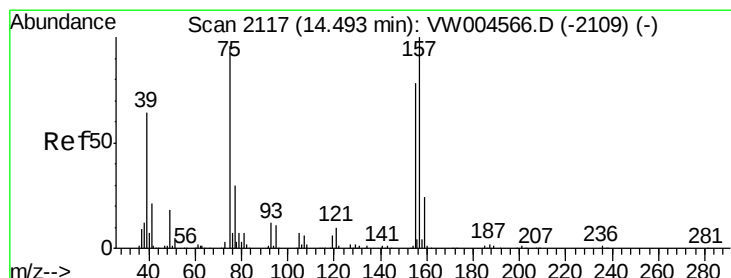
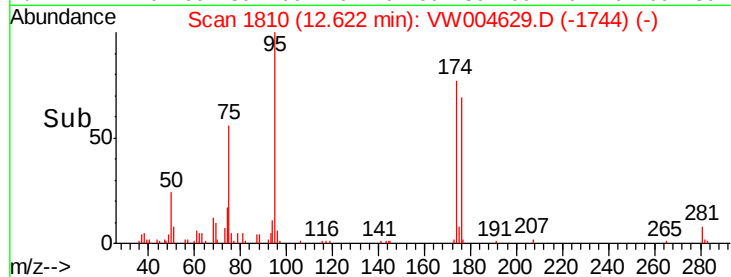
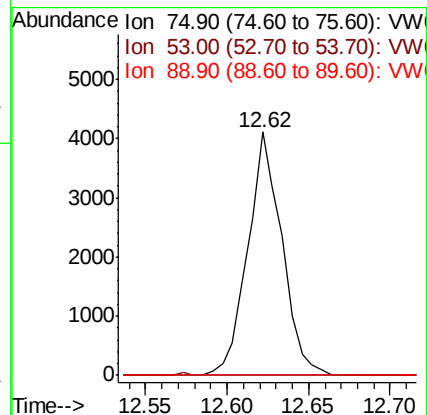
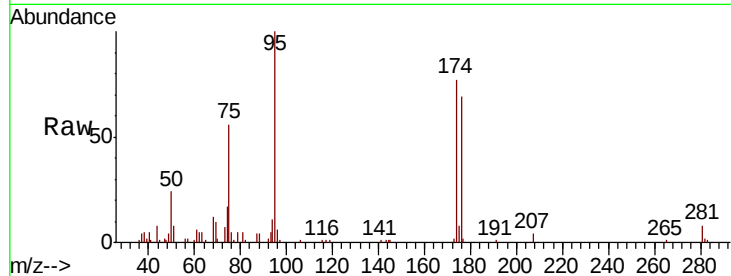
Tgt Ion: 75 Resp: 5995

Ion Ratio Lower Upper

75 100

53 0.0 74.4 111.6#

89 0.0 35.9 53.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.566 ug/l

RT: 14.57 min Scan# 2130

Delta R.T. 0.08 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

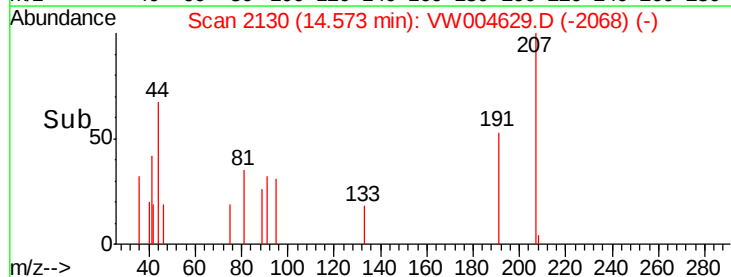
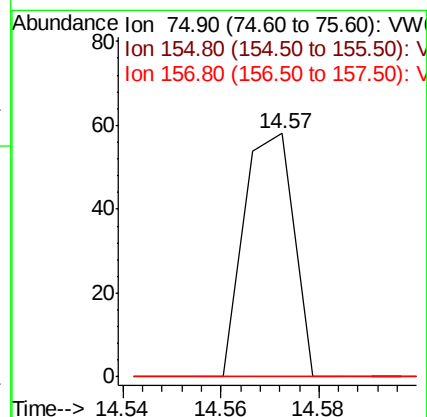
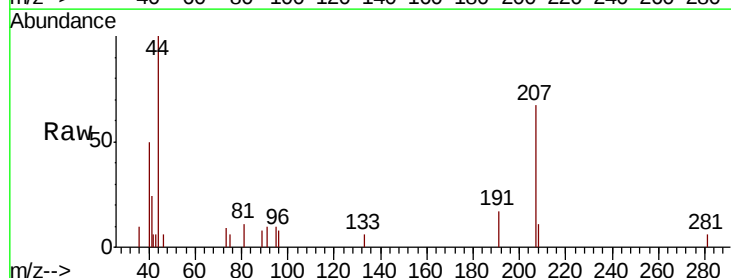
Tgt Ion: 75 Resp: 41

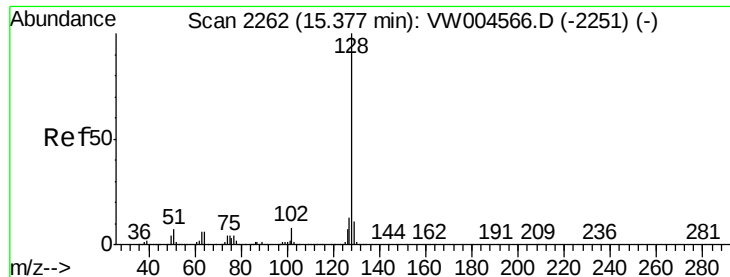
Ion Ratio Lower Upper

75 100

155 0.0 41.3 123.7#

157 0.0 52.6 157.8#





#95

Naphthalene

Concen: 3.325 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004629.D

Acq: 11 Aug 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

RB47197

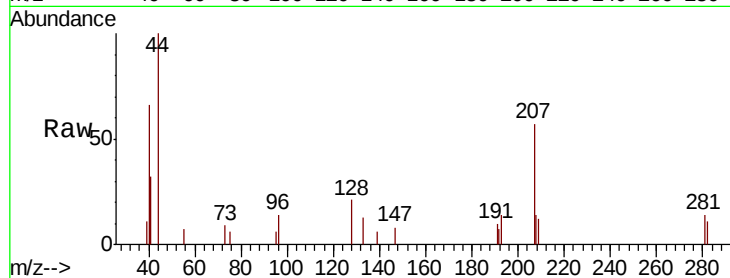
Tgt Ion:128 Resp: 216

Ion Ratio Lower Upper

128 100

127 12.0 10.3 15.5

129 0.0 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

