

Data File : VW004841.D
Acq On : 21 Aug 2018 15:11
Operator : SY/AP
Sample : J4277-07
Misc : 3.02G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OR-03-081718-B

Quant Time: Aug 22 05:17:54 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	7.96	168	32252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	46889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	42230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	14236	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	18873	60.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.06%	
35) Dibromofluoromethane	7.89	113	18202	60.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.48%	
50) Toluene-d8	10.33	98	53505	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
62) 4-Bromofluorobenzene	12.63	95	13916	33.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.14%	

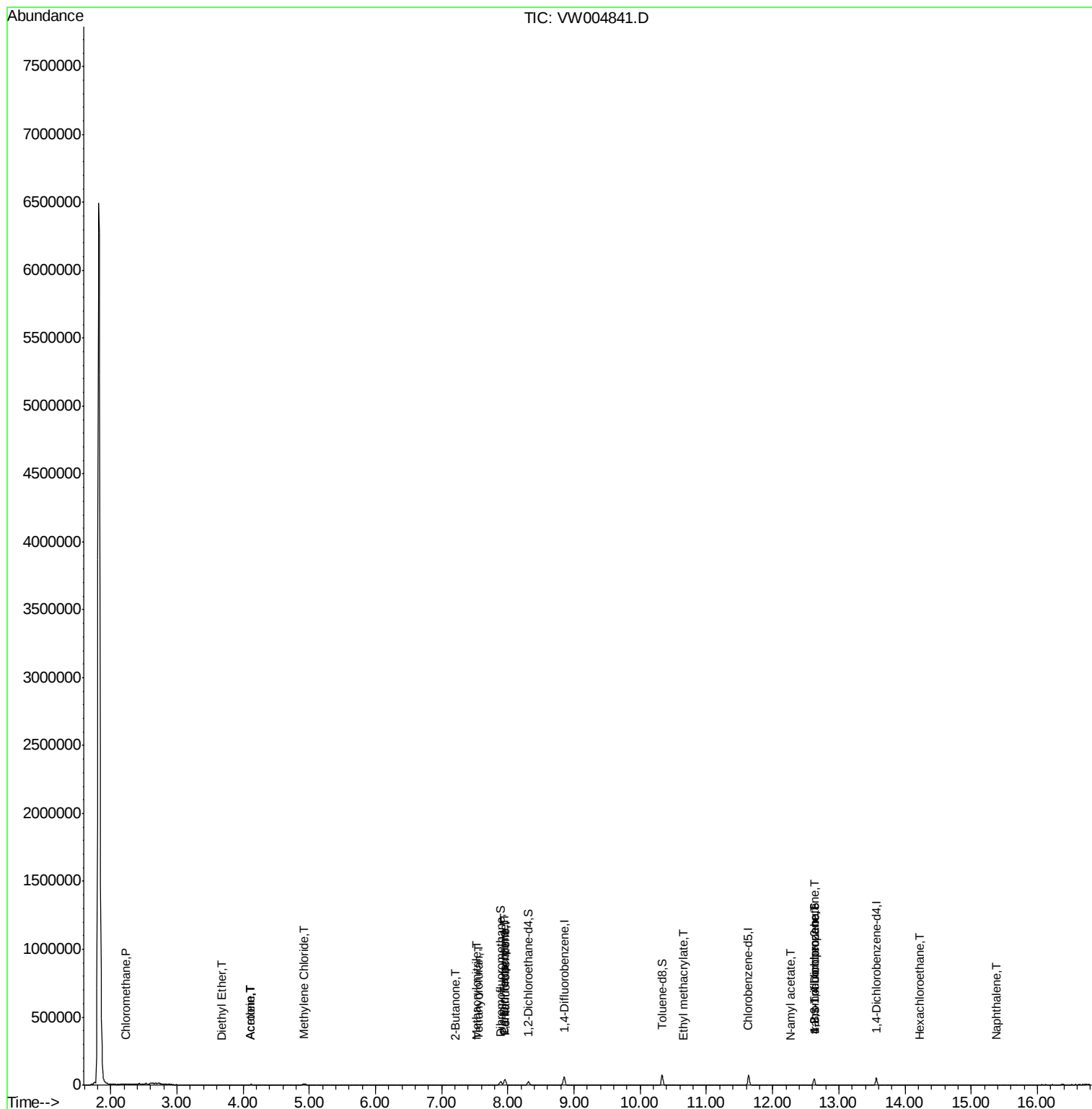
Target Compounds						Qvalue
3) Chloromethane	2.22	50	417	1.493	ug/l #	23
8) Diethyl Ether	3.69	74	191	1.091	ug/l #	47
13) Acrolein	4.12	56	44	1.882	ug/l #	15
16) Acetone	4.12	43	5983	75.165	ug/l	90
20) Methylene Chloride	4.93	84	7220	17.019	ug/l #	82
25) 2-Butanone	7.20	43	747	6.587	ug/l #	76
29) Tetrahydrofuran	7.55	42	977	16.894	ug/l #	82
36) 1,1-Dichloropropene	7.95	75	2641	5.467	ug/l #	43
38) Carbon Tetrachloride	7.95	117	3207	7.213	ug/l #	15
41) Methacrylonitrile	7.53	41	347	3.175	ug/l #	28
56) Ethyl methacrylate	10.66	69	23	3.049	ug/l #	1
74) N-amyl acetate	12.27	43	45	4.201	ug/l #	71
76) 1,2,3-Trichloropropane	12.62	75	6956	55.429	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6956	128.832	ug/l #	13
90) Hexachloroethane	14.22	117	176	1.056	ug/l #	7
95) Naphthalene	15.37	128	602	4.461	ug/l #	69

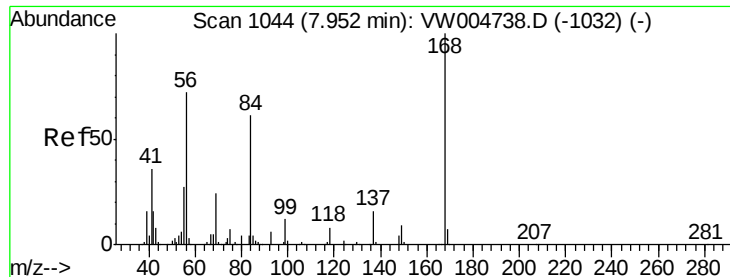
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004841.D

Acq: 21 Aug 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

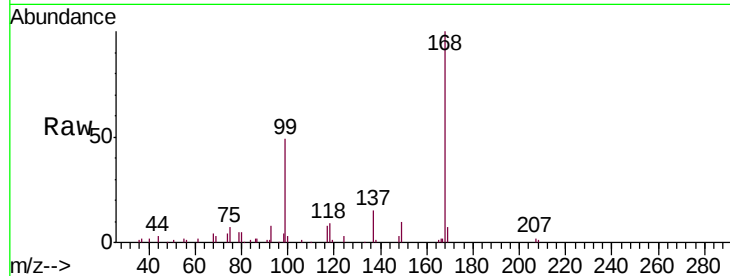
OR-03-081718-B

Tgt Ion:168 Resp: 32252

Ion Ratio Lower Upper

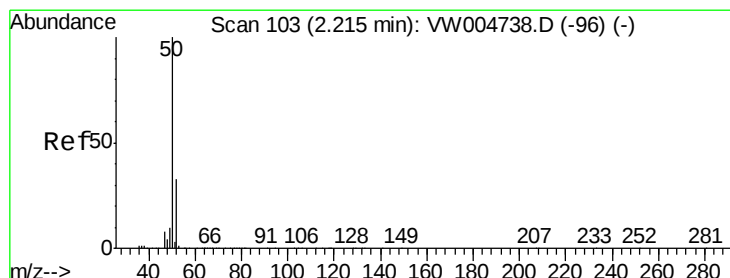
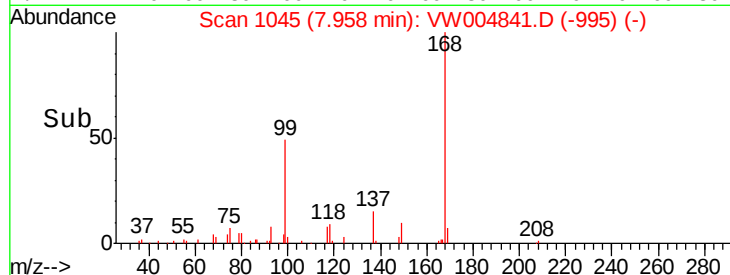
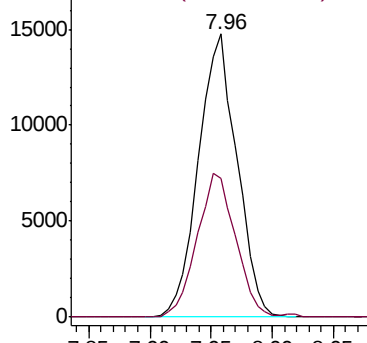
168 100

99 49.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.493 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW004841.D

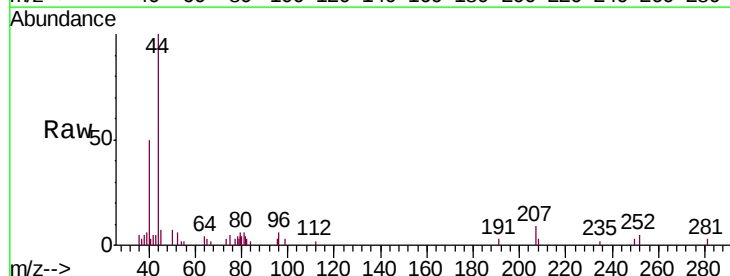
Acq: 21 Aug 2018 15:11

Tgt Ion: 50 Resp: 417

Ion Ratio Lower Upper

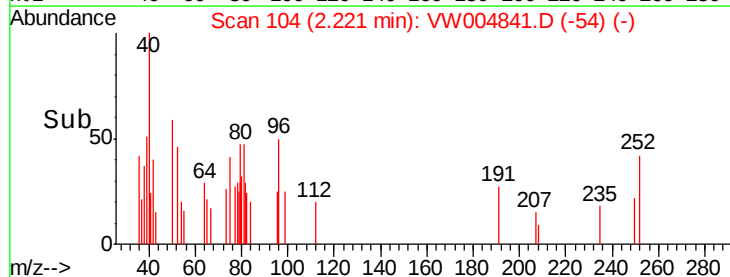
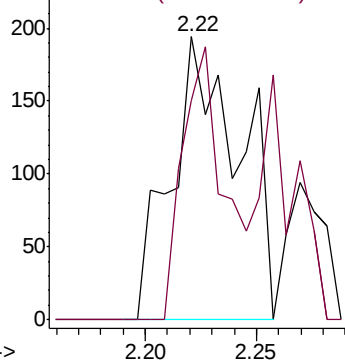
50 100

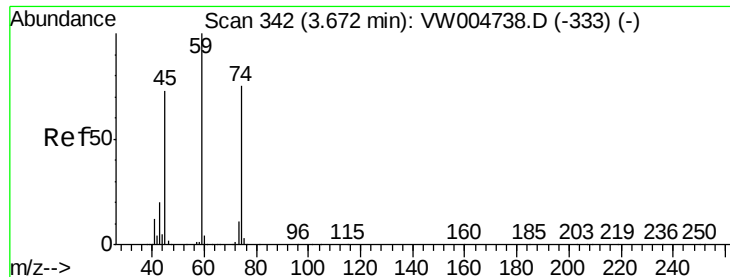
52 77.3 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#8

Diethyl Ether

Concen: 1.091 ug/l

RT: 3.69 min Scan# 345

Delta R.T. 0.02 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

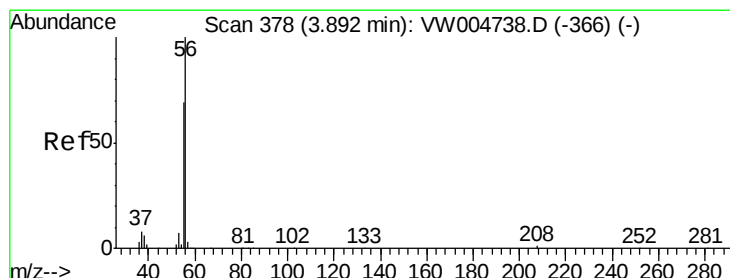
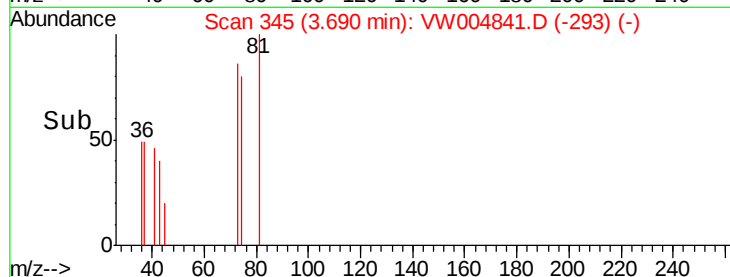
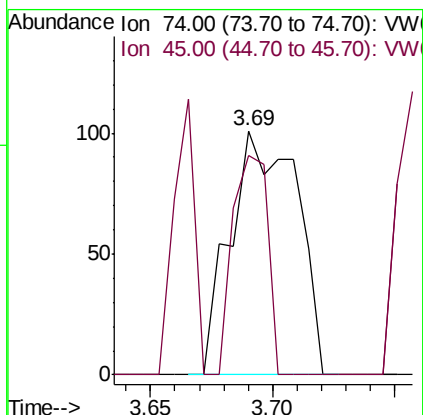
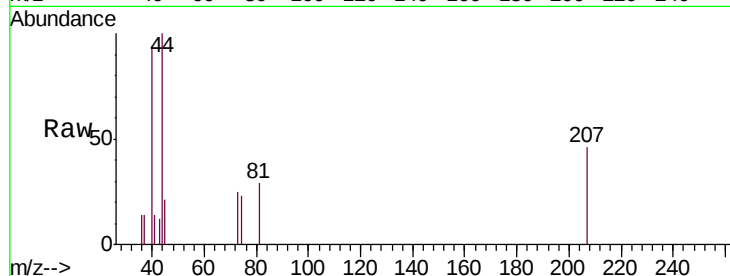
OR-03-081718-B

Tgt Ion: 74 Resp: 191

Ion Ratio Lower Upper

74 100

45 47.1 49.8 149.3#



#13

Acrolein

Concen: 1.882 ug/l

RT: 4.12 min Scan# 415

Delta R.T. 0.23 min

Lab File: VW004841.D

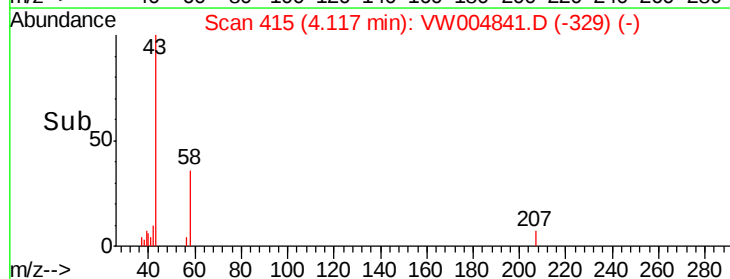
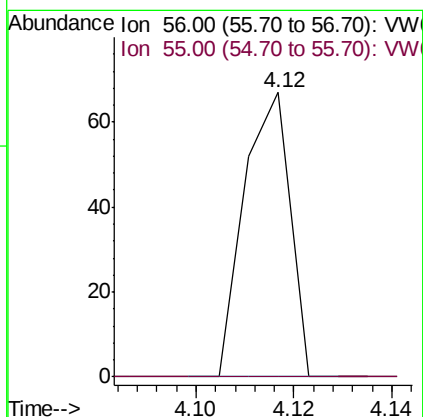
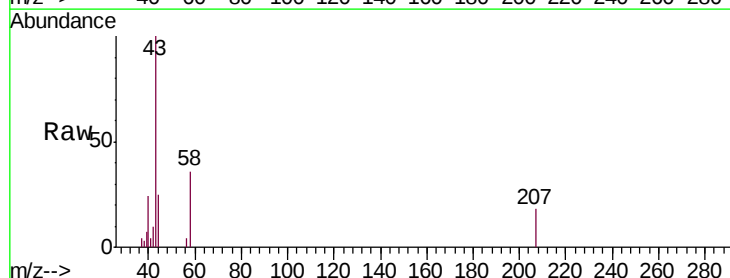
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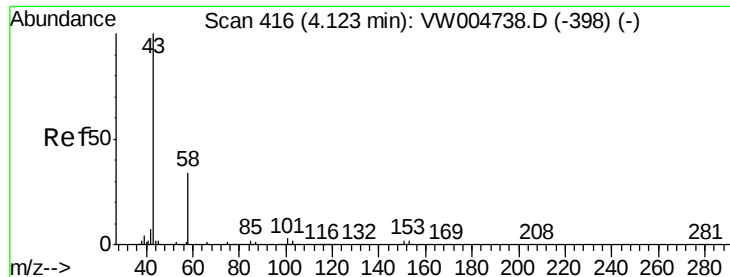
Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#

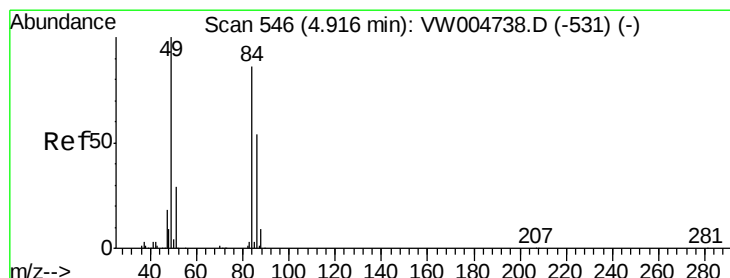
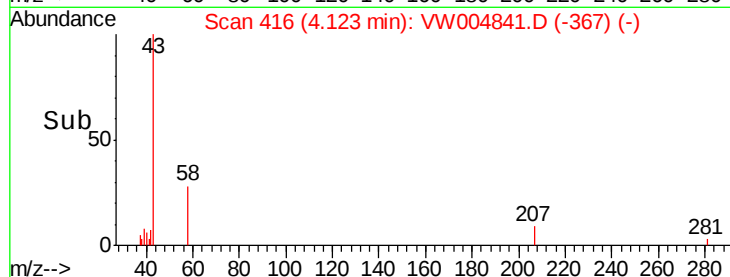
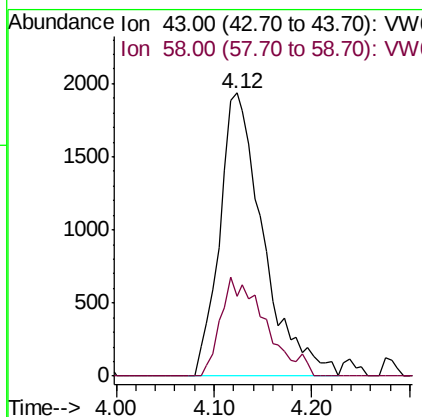
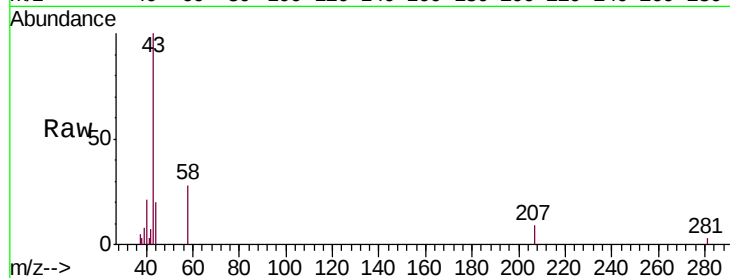




#16
Acetone
Concen: 75.165 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.00 min
Lab File: VW004841.D
Acq: 21 Aug 2018 15:11

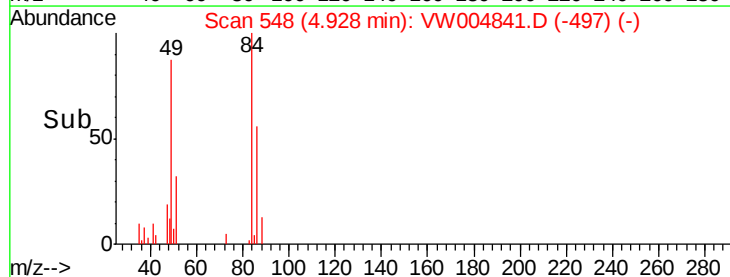
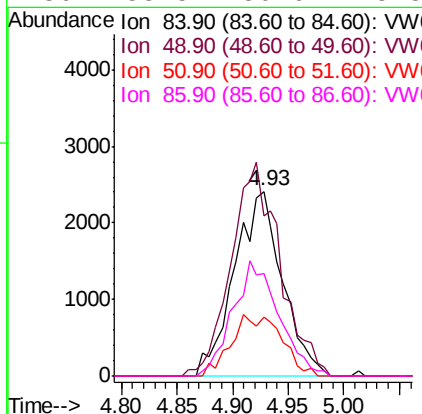
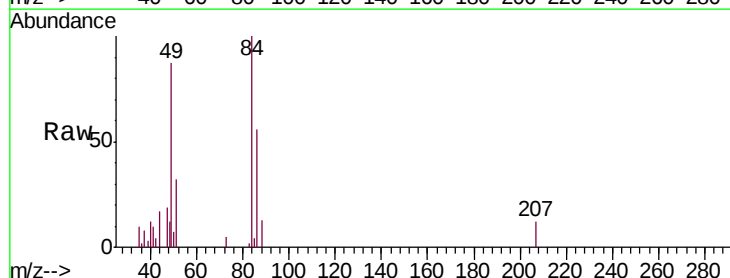
Instrument :
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OR-03-081718-B

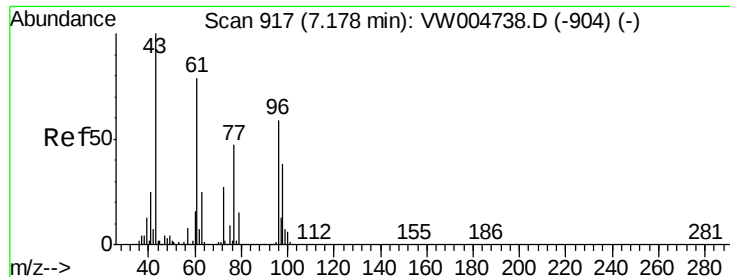
Tgt Ion: 43 Resp: 5983
Ion Ratio Lower Upper
43 100
58 28.4 27.3 40.9



#20
Methylene Chloride
Concen: 17.019 ug/l
RT: 4.93 min Scan# 548
Delta R.T. 0.01 min
Lab File: VW004841.D
Acq: 21 Aug 2018 15:11

Tgt Ion: 84 Resp: 7220
Ion Ratio Lower Upper
84 100
49 86.8 93.2 139.8#
51 32.2 27.4 41.0
86 55.5 50.6 75.8

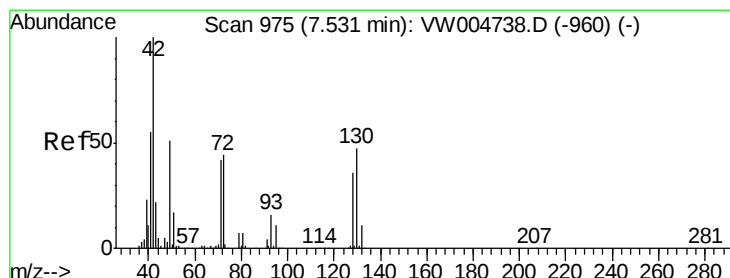
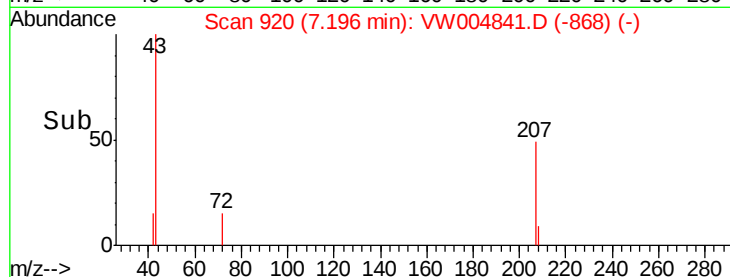
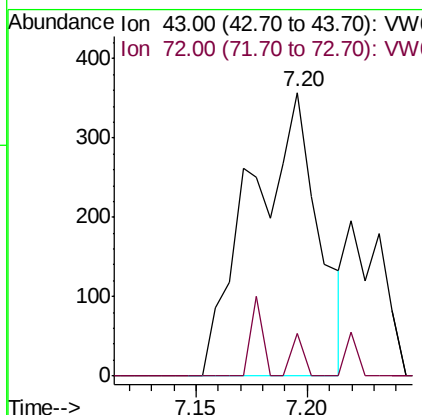
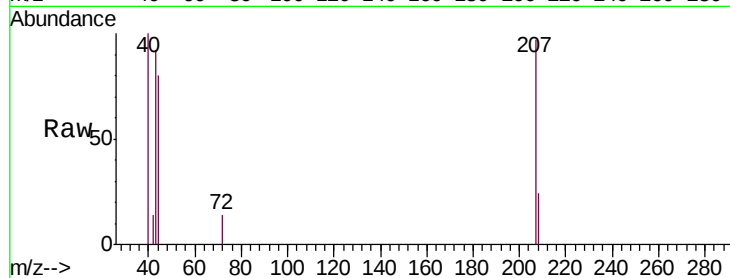




#25
 2-Butanone
 Concen: 6.587 ug/l
 RT: 7.20 min Scan# 920
 Delta R.T. 0.02 min
 Lab File: VW004841.D
 Acq: 21 Aug 2018 15:11

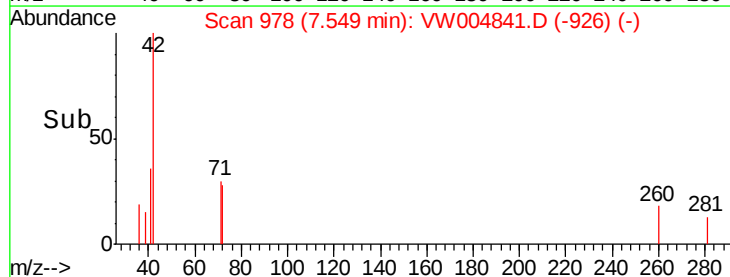
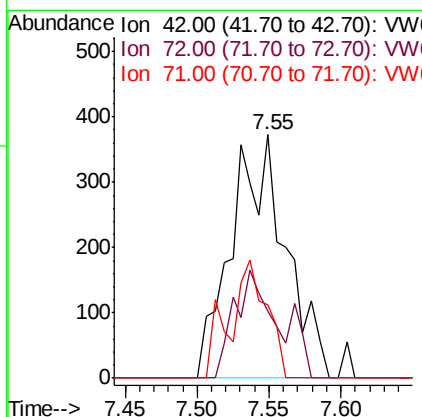
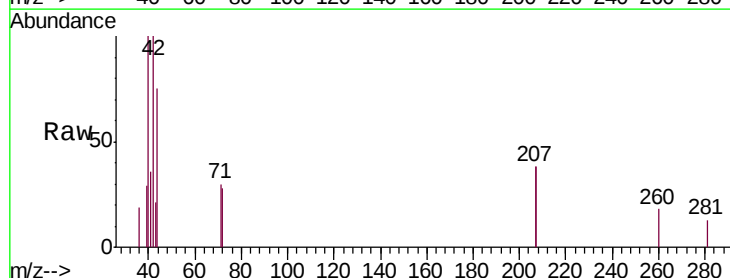
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-081718-B

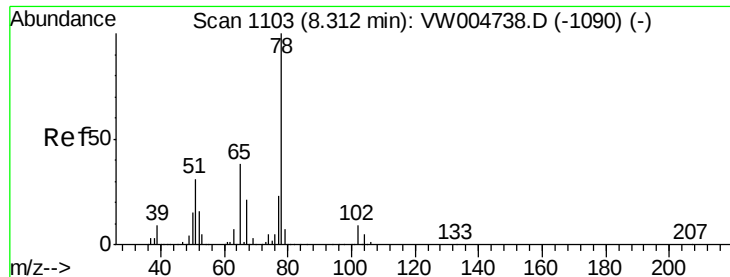
Tgt Ion: 43 Resp: 747
 Ion Ratio Lower Upper
 43 100
 72 15.1 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 16.894 ug/l
 RT: 7.55 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VW004841.D
 Acq: 21 Aug 2018 15:11

Tgt Ion: 42 Resp: 977
 Ion Ratio Lower Upper
 42 100
 72 30.0 34.9 52.3#
 71 33.2 33.8 50.6#

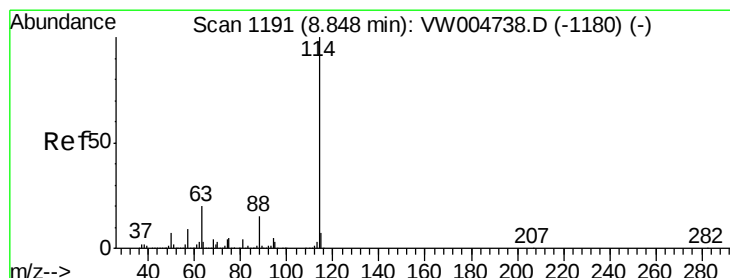
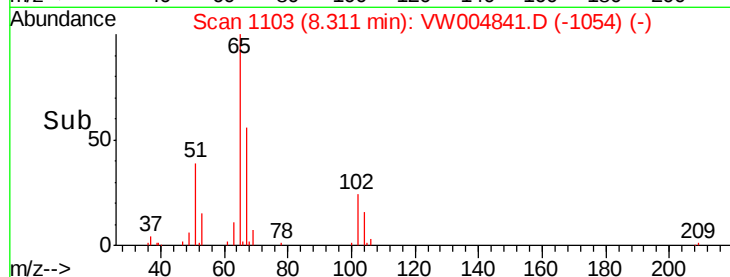
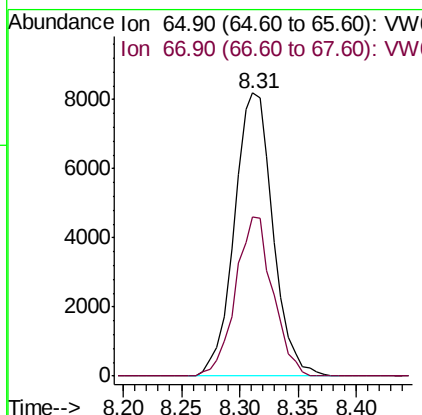
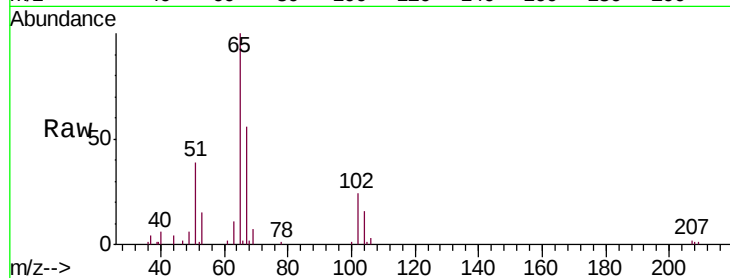




#33
 1,2-Dichloroethane-d4
 Concen: 60.527 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004841.D
 Acq: 21 Aug 2018 15:11

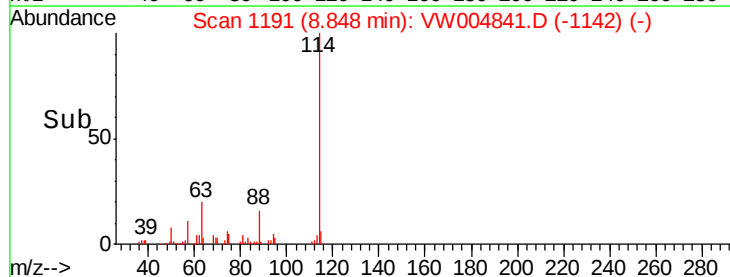
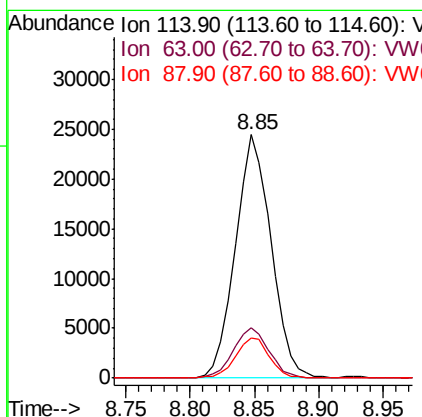
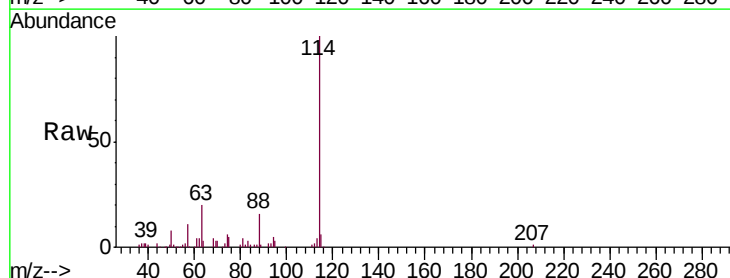
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-081718-B

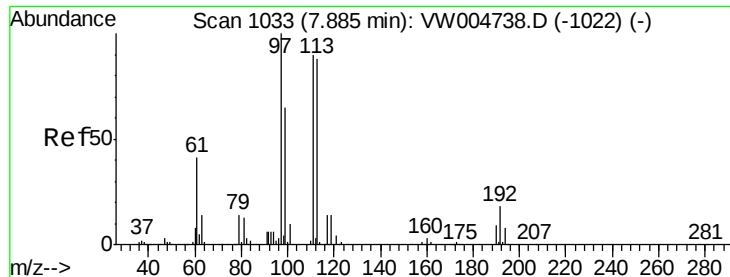
Tgt Ion: 65 Resp: 18873
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004841.D
 Acq: 21 Aug 2018 15:11

Tgt Ion: 114 Resp: 46889
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 16.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 60.737 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

OR-03-081718-B

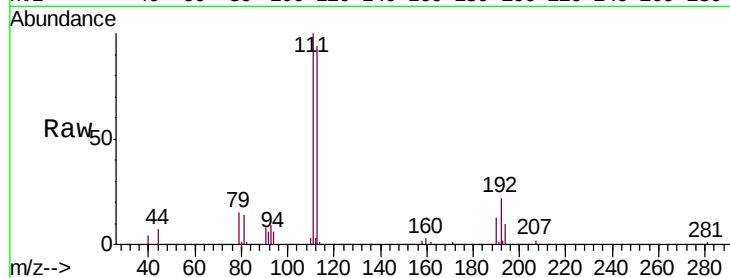
Tgt Ion:113 Resp: 18202

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

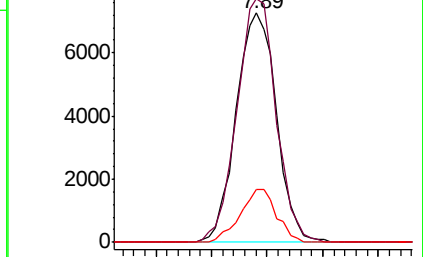
192 20.7 16.7 25.1



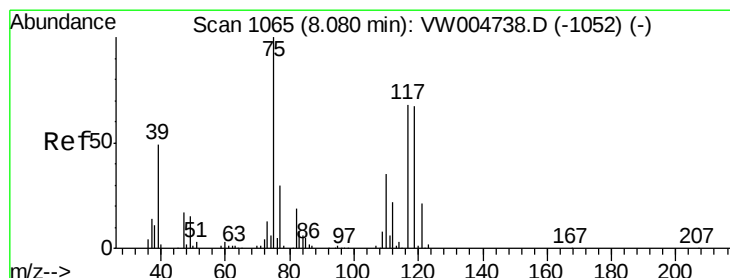
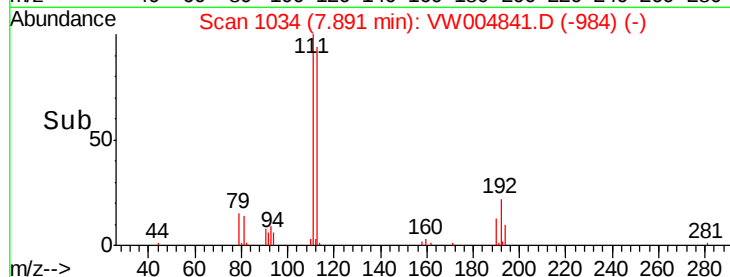
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 5.467 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

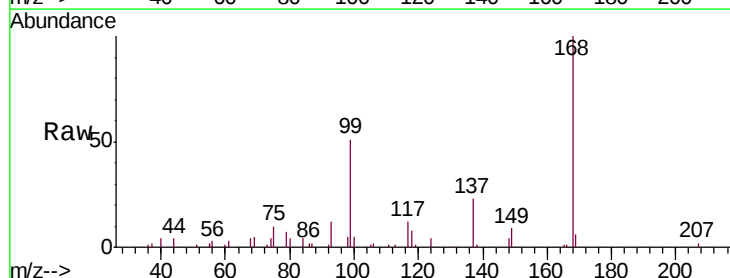
Tgt Ion: 75 Resp: 2641

Ion Ratio Lower Upper

75 100

110 2.3 17.8 53.5#

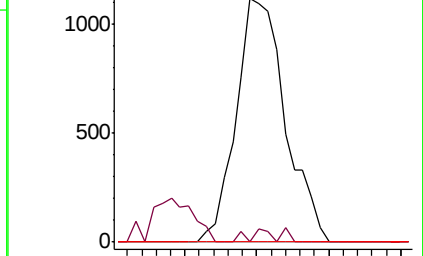
77 0.0 24.9 37.3#



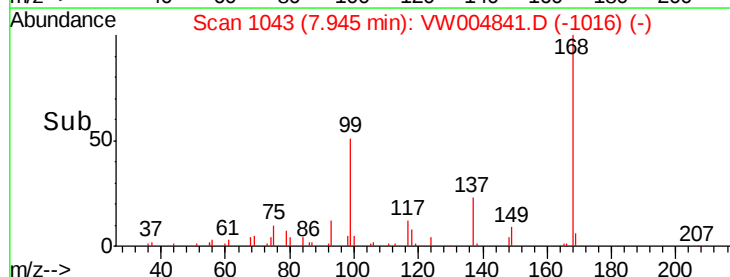
Abundance Ion 74.90 (74.60 to 75.60): VW

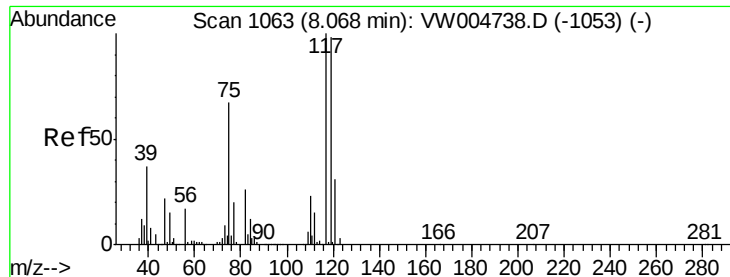
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



Time-->





#38

Carbon Tetrachloride

Concen: 7.213 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

OR-03-081718-B

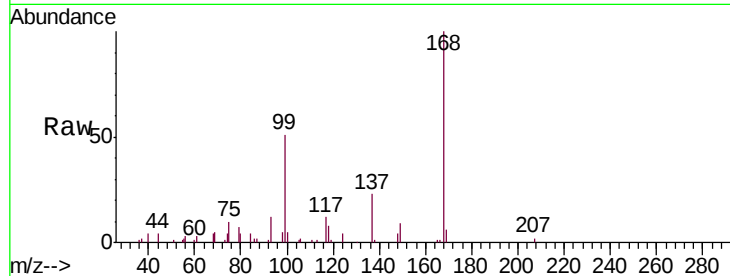
Tgt Ion:117 Resp: 3207

Ion Ratio Lower Upper

117 100

119 4.6 78.0 117.0#

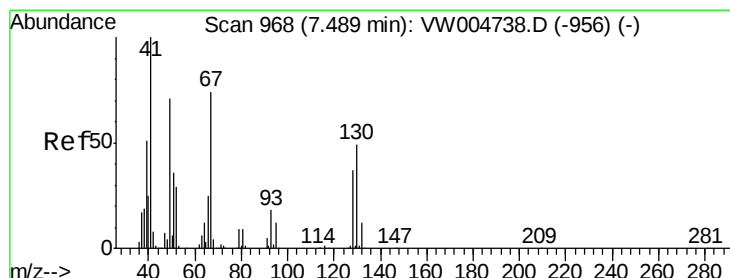
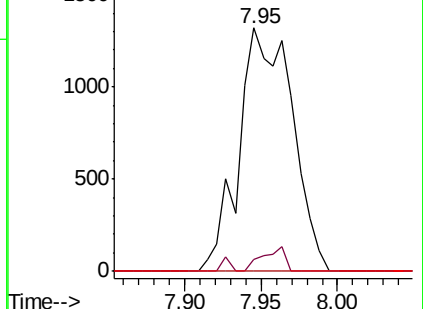
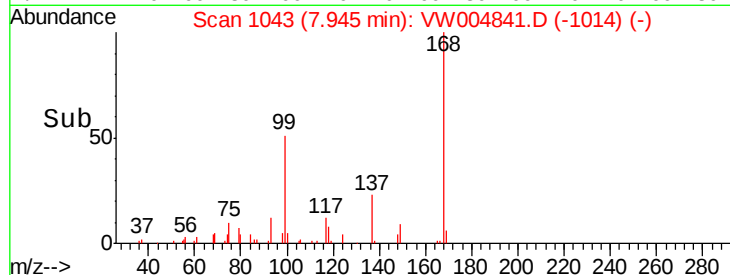
121 0.0 24.8 37.2#



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



#41

Methacrylonitrile

Concen: 3.175 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.04 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

Tgt Ion: 41 Resp: 347

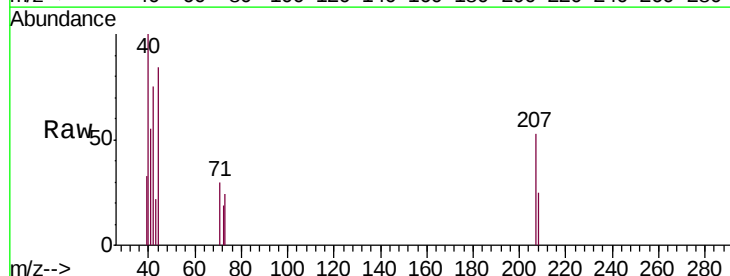
Ion Ratio Lower Upper

41 100

39 91.4 41.0 61.4#

67 0.0 59.5 89.3#

52 0.0 23.6 35.4#

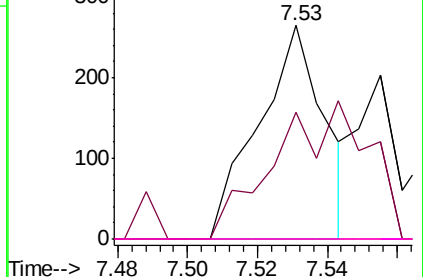
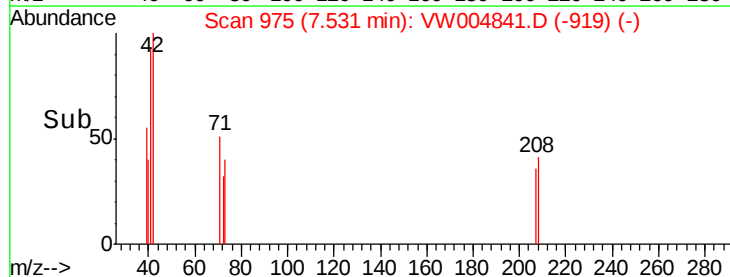


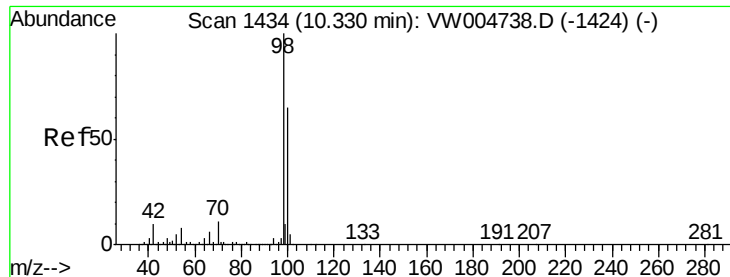
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 45.737 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

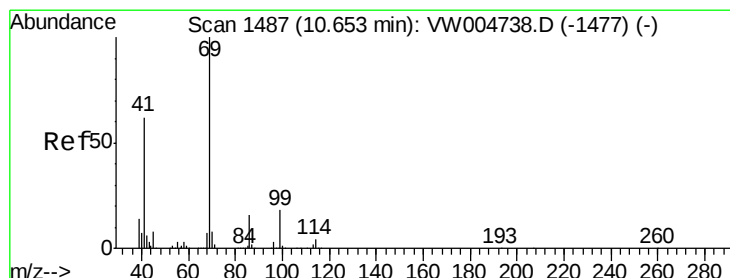
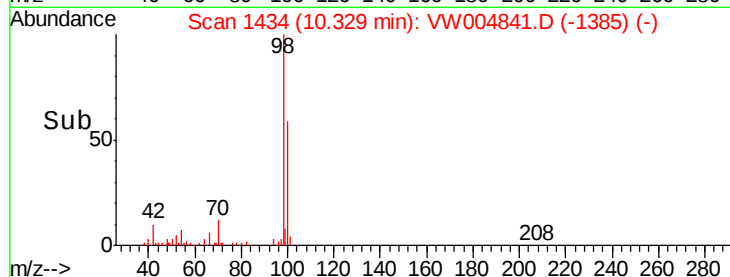
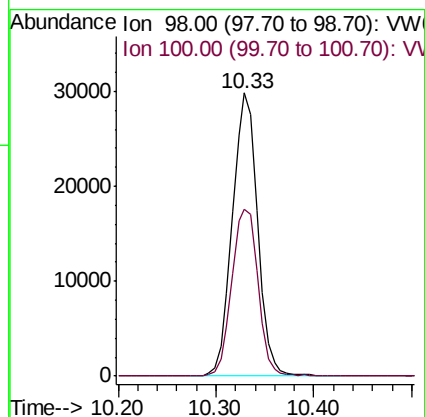
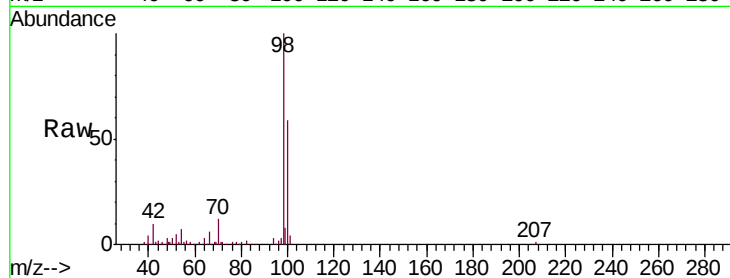
OR-03-081718-B

Tgt Ion: 98 Resp: 53505

Ion Ratio Lower Upper

98 100

100 61.3 51.8 77.8



#56

Ethyl methacrylate

Concen: 3.049 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

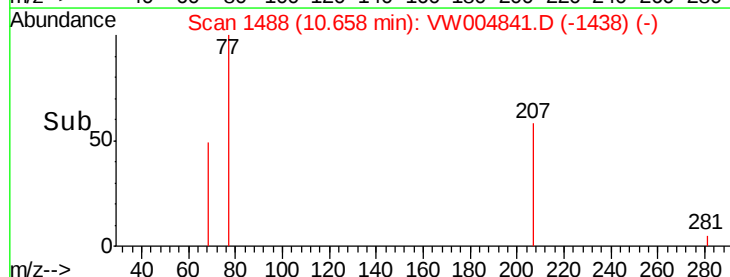
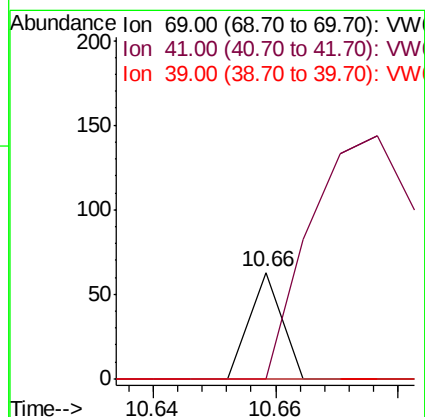
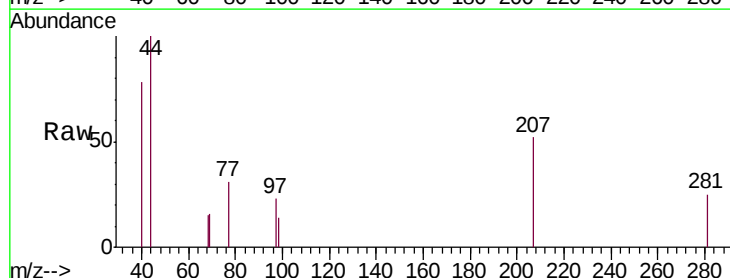
Tgt Ion: 69 Resp: 23

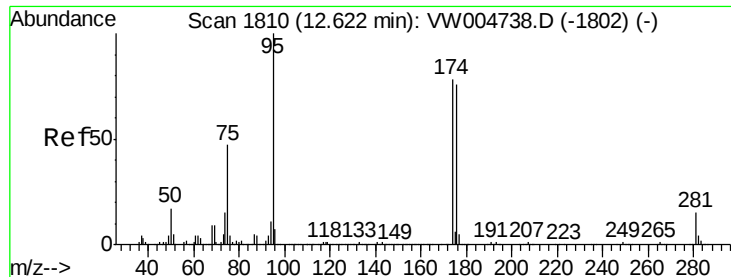
Ion Ratio Lower Upper

69 100

41 730.4 50.7 76.1#

39 0.0 21.4 32.2#

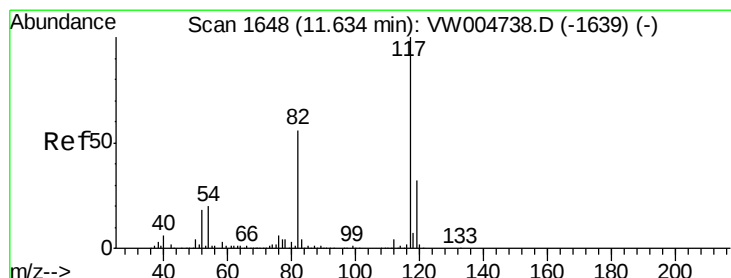
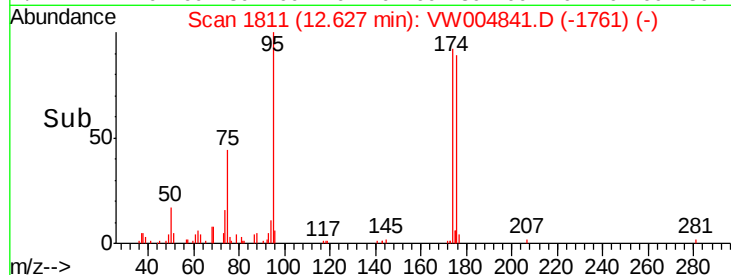
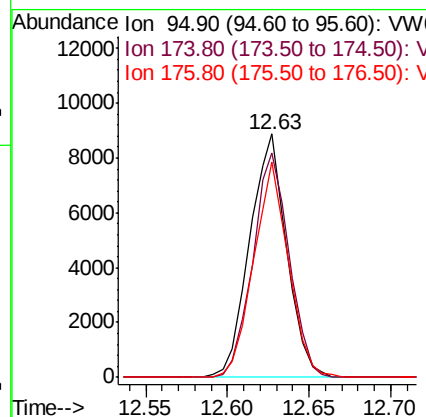
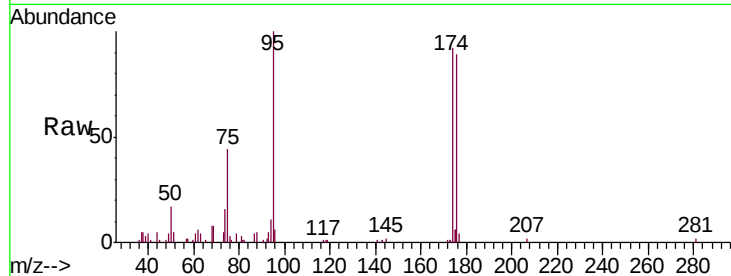




#62
4-Bromofluorobenzene
Concen: 33.065 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004841.D
Acq: 21 Aug 2018 15:11

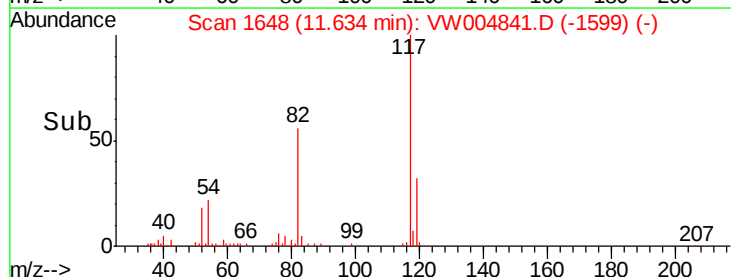
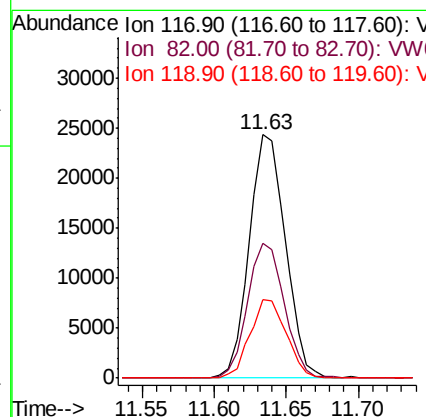
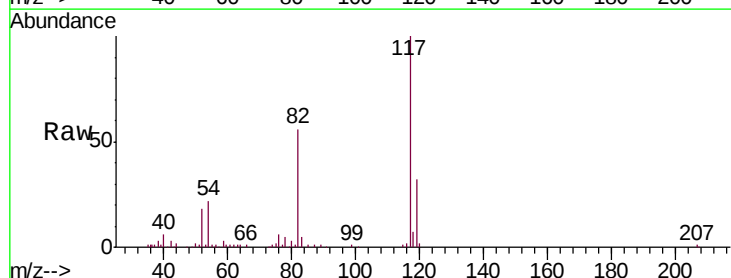
Instrument :
MSVOA_W
ClientSampleId :
OR-03-081718-B

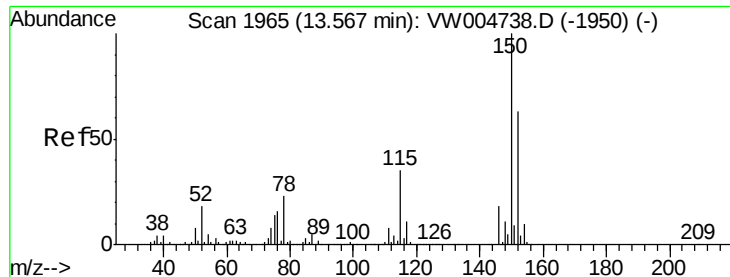
Tgt Ion: 95 Resp: 13916
Ion Ratio Lower Upper
95 100
174 90.8 0.0 165.8
176 83.8 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004841.D
Acq: 21 Aug 2018 15:11

Tgt Ion: 117 Resp: 42230
Ion Ratio Lower Upper
117 100
82 55.6 44.6 67.0
119 32.2 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: VW004841.D

Acq: 21 Aug 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

OR-03-081718-B

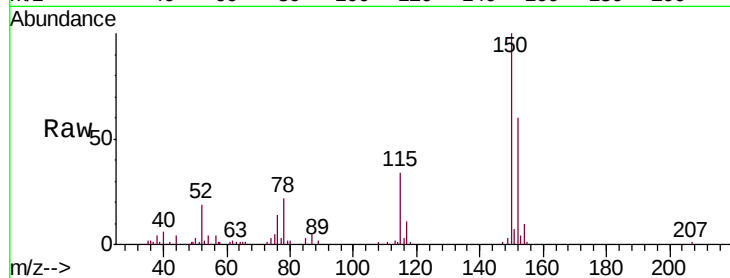
Tgt Ion:152 Resp: 14236

Ion Ratio Lower Upper

152 100

115 56.3 28.5 85.5

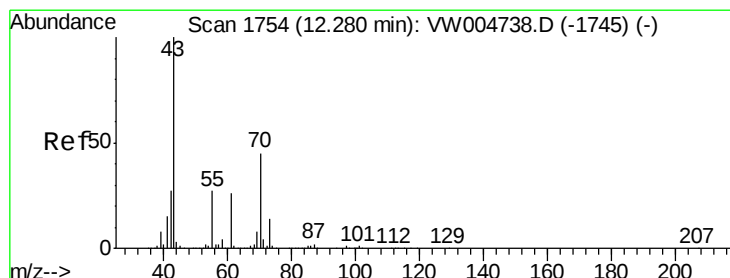
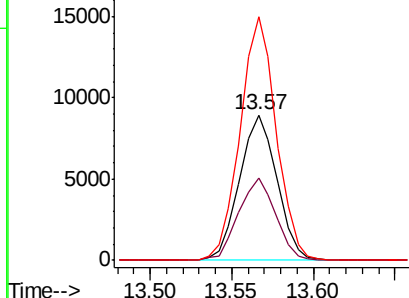
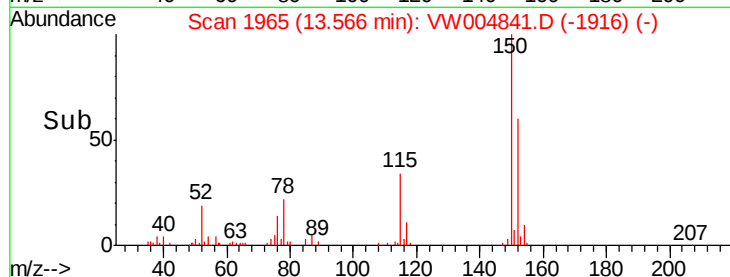
150 162.5 0.0 344.8



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



#74

N-ethyl acetate

Concen: 4.201 ug/l

RT: 12.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

Tgt Ion: 43 Resp: 45

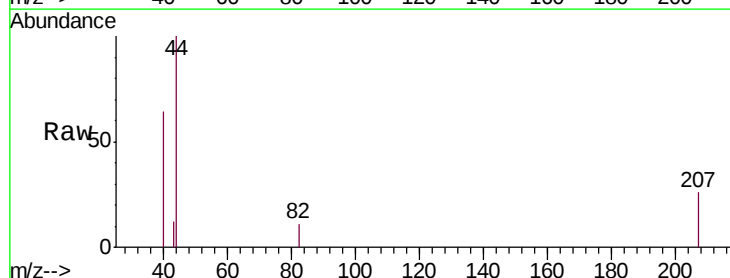
Ion Ratio Lower Upper

43 100

70 46.7 36.3 54.5

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

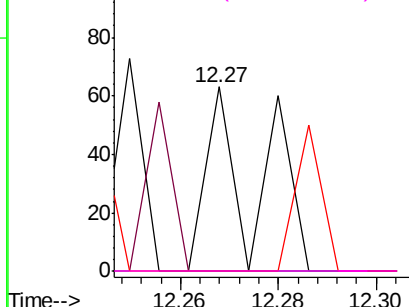
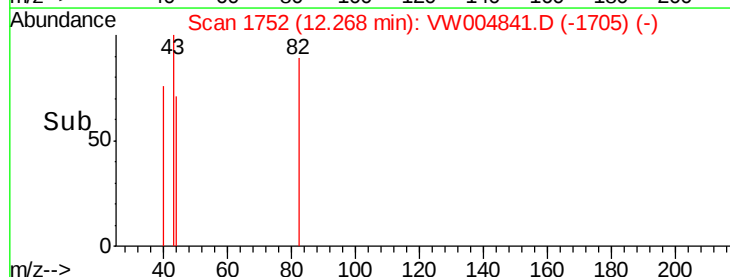


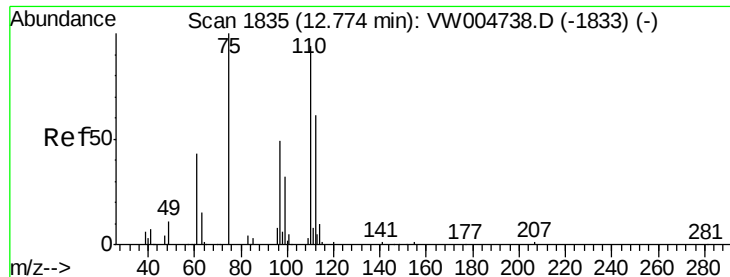
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 55.429 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

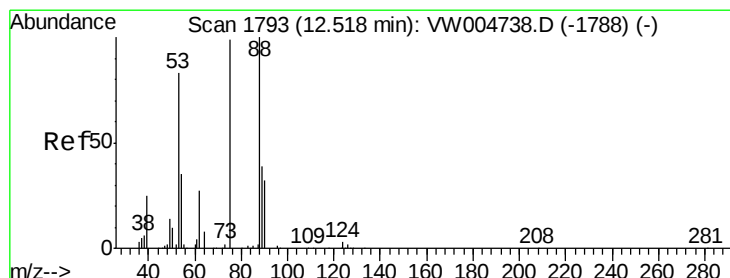
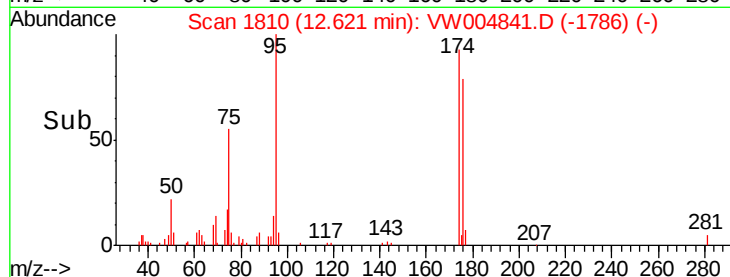
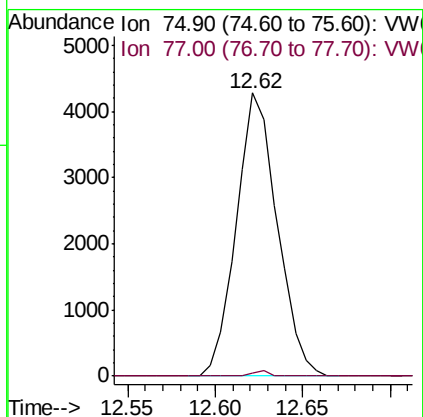
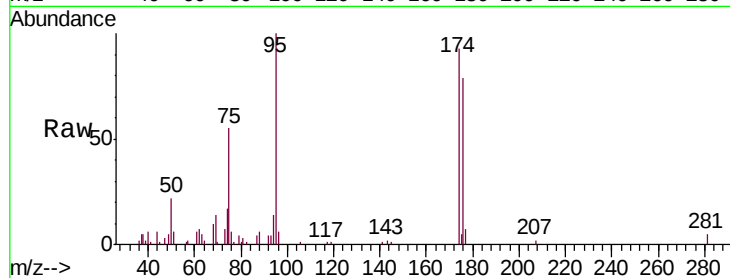
OR-03-081718-B

Tgt Ion: 75 Resp: 6956

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.832 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

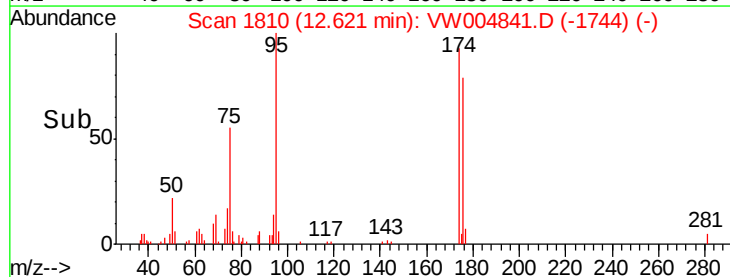
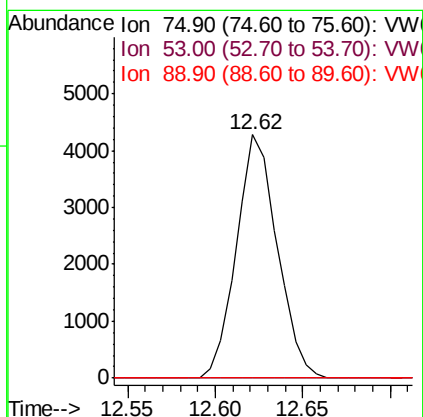
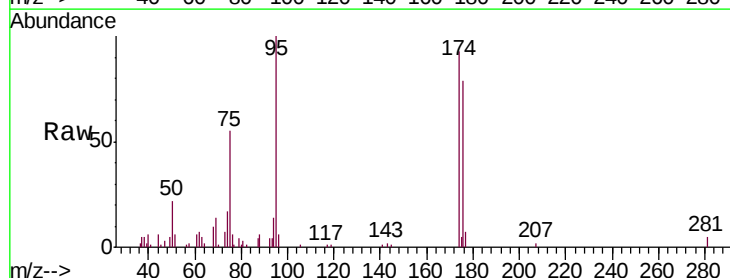
Tgt Ion: 75 Resp: 6956

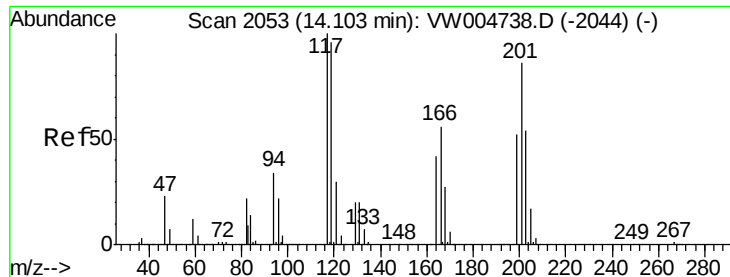
Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.4#

89 0.0 35.2 52.8#





#90

Hexachloroethane

Concen: 1.056 ug/l

RT: 14.22 min Scan# 2072

Delta R.T. 0.12 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

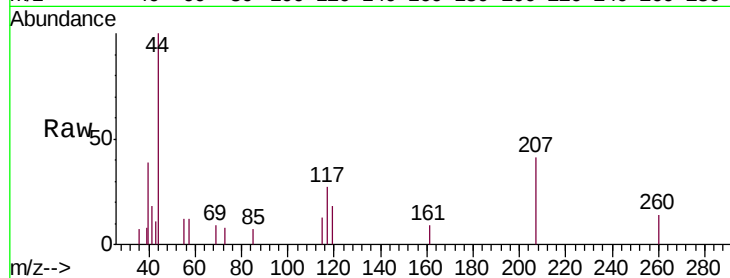
OR-03-081718-B

Tgt Ion:117 Resp: 176

Ion Ratio Lower Upper

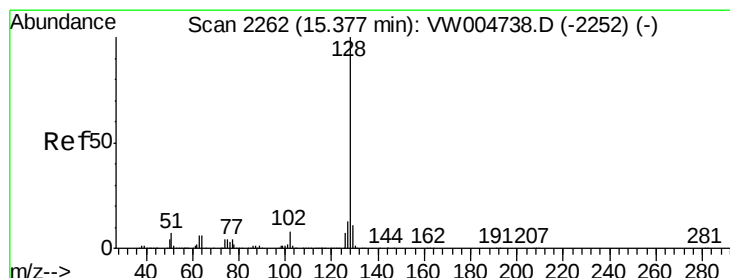
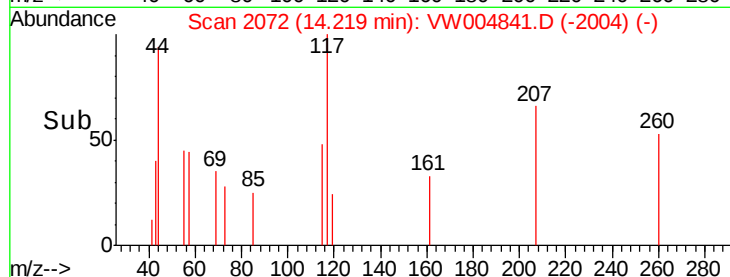
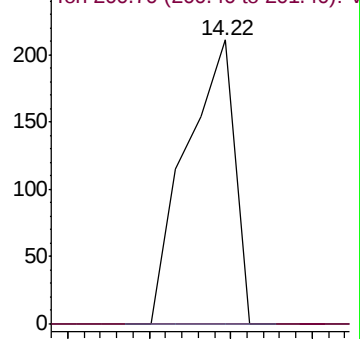
117 100

201 0.0 42.4 127.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 4.461 ug/l

RT: 15.37 min Scan# 2261

Delta R.T. -0.01 min

Lab File: VW004841.D

Acq: 21 Aug 2018 15:11

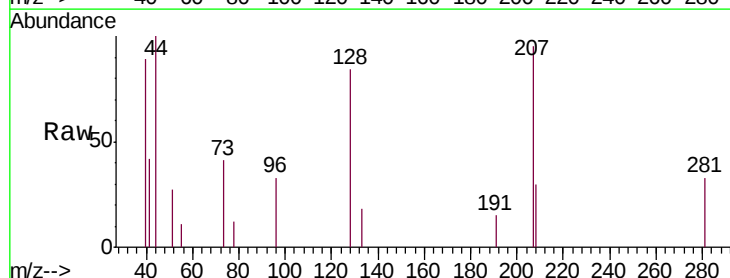
Tgt Ion:128 Resp: 602

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

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

