

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
 Data File : VW004551.D
 Acq On : 09 Aug 2018 01:53
 Operator : SY/AP
 Sample : J4275-01
 Misc : 5.76G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-080718-A

Quant Time: Aug 09 05:17:59 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	7.95	168	28724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	46986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	46964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	16945	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	22864	71.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.82%	
35) Dibromofluoromethane	7.88	113	20191	64.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.90%	
50) Toluene-d8	10.33	98	54917	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
62) 4-Bromofluorobenzene	12.62	95	15969	37.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.24%	

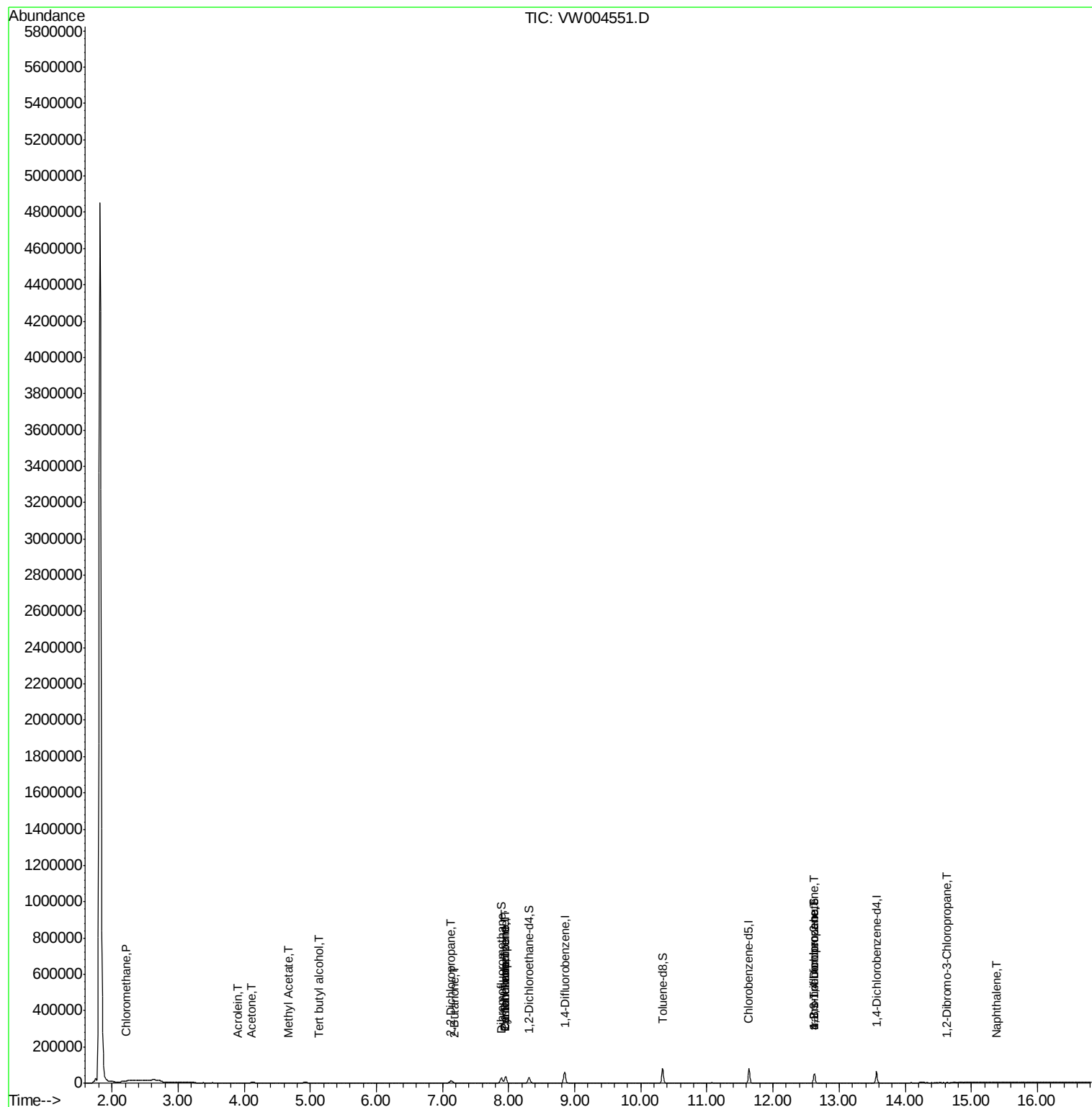
Target Compounds						Qvalue
3) Chloromethane	2.21	50	285	1.038	ug/l #	63
11) Tert butyl alcohol	5.14	59	214	11.495	ug/l #	92
13) Acrolein	3.91	56	44	1.929	ug/l #	14
16) Acetone	4.11	43	6510	81.983	ug/l #	83
18) Methyl Acetate	4.67	43	859	4.338	ug/l #	75
20) Methylene Chloride	4.93	84	3061	Below Cal	#	67
25) 2-Butanone	7.18	43	139	1.088	ug/l #	49
26) 2,2-Dichloropropane	7.14	77	457	1.399	ug/l #	50
31) Cyclohexane	7.95	56	707	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	2386	4.716	ug/l #	47
38) Carbon Tetrachloride	7.96	117	2712	5.957	ug/l #	12
76) 1,2,3-Trichloropropane	12.62	75	7581	43.235	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	7581	103.499	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.62	75	45	1.126	ug/l #	2
95) Naphthalene	15.38	128	164	3.119	ug/l #	69

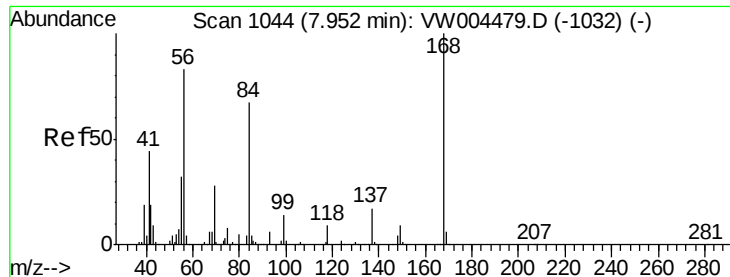
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004551.D

Acq: 09 Aug 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

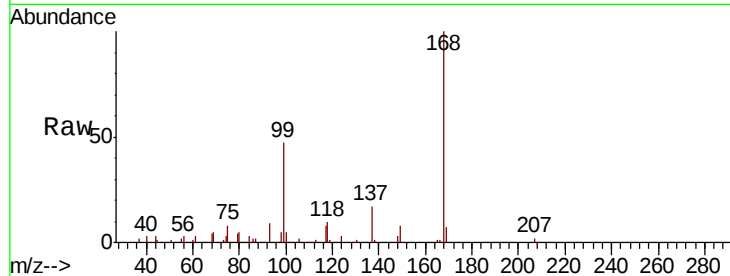
CL-02-080718-A

Tgt Ion:168 Resp: 28724

Ion Ratio Lower Upper

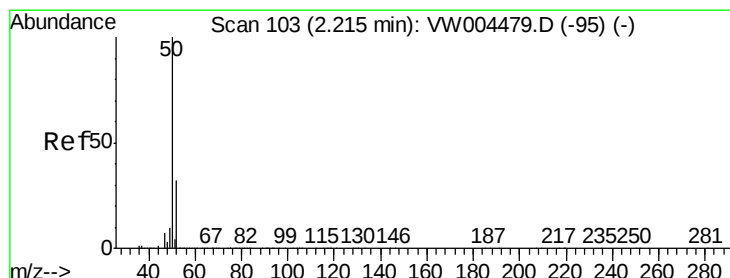
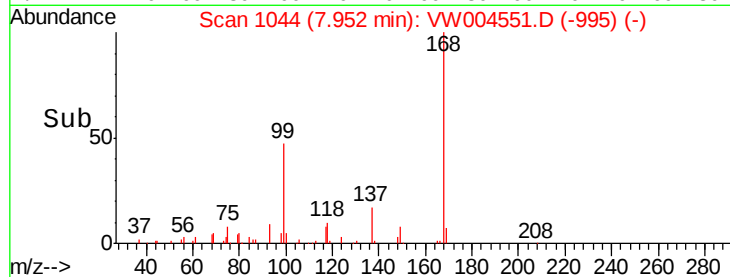
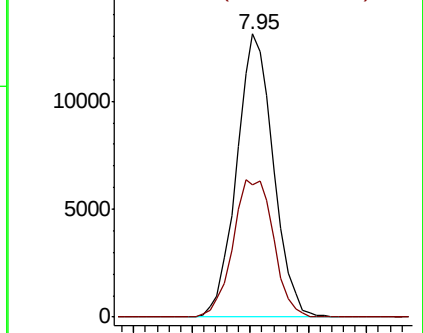
168 100

99 46.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.038 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004551.D

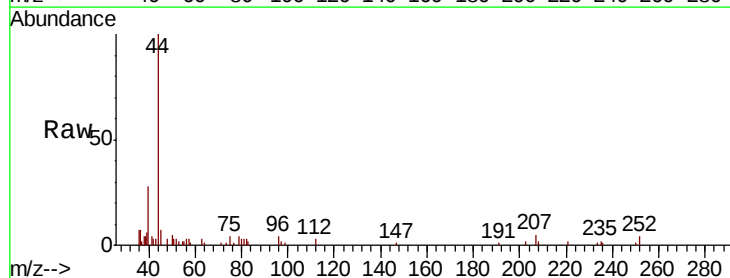
Acq: 09 Aug 2018 01:53

Tgt Ion: 50 Resp: 285

Ion Ratio Lower Upper

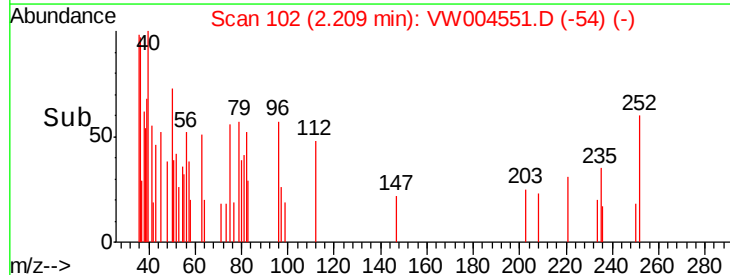
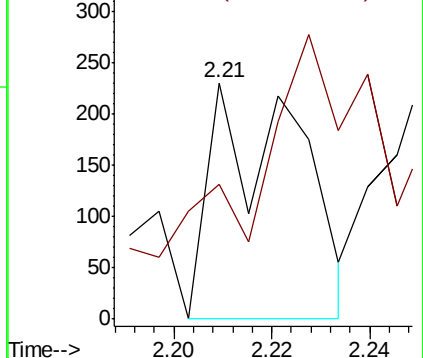
50 100

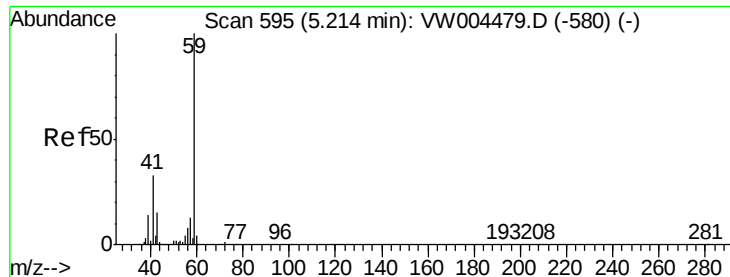
52 11.7 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



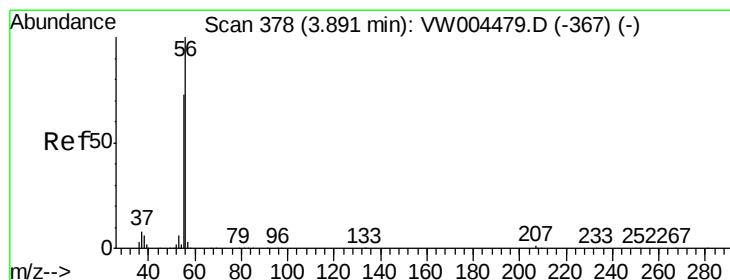
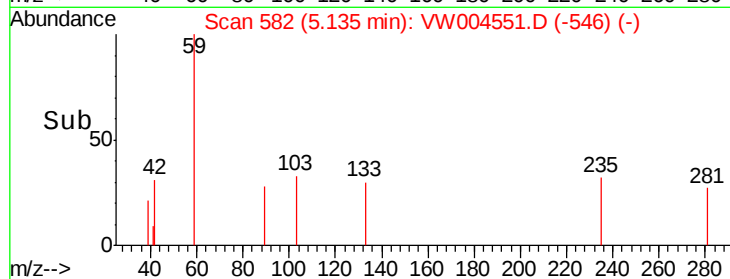
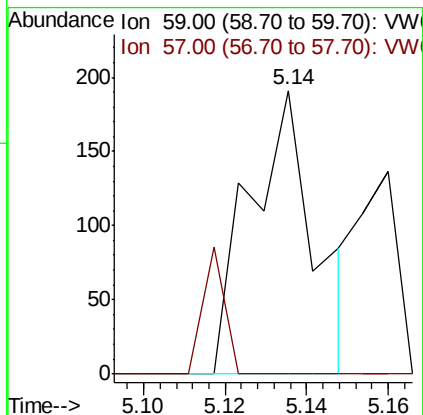
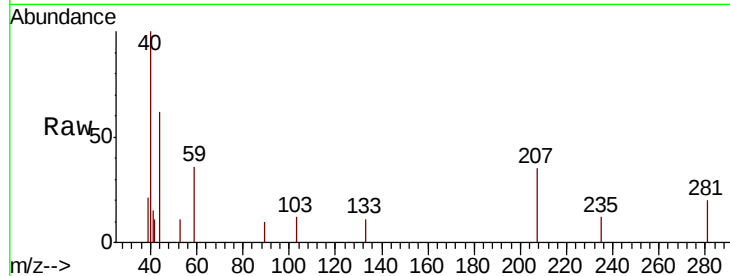


#11

Tert butyl alcohol
 Concen: 11.495 ug/l
 RT: 5.14 min Scan# 582
 Delta R.T. -0.08 min
 Lab File: VW004551.D
 Acq: 09 Aug 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-080718-A

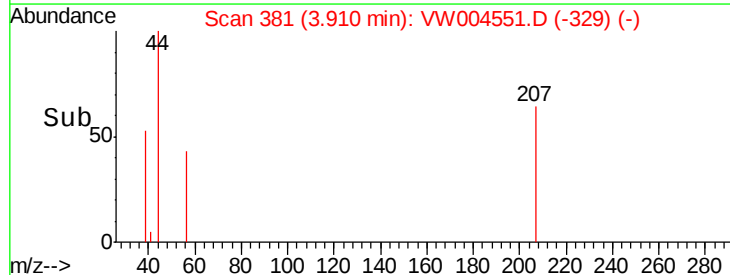
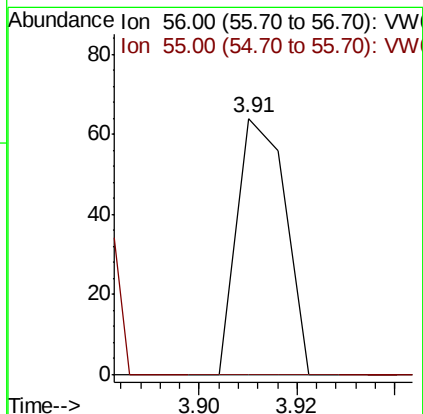
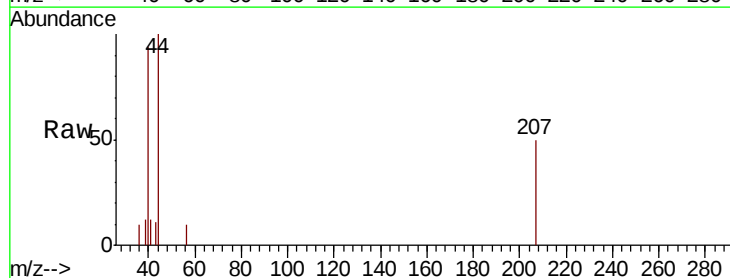
Tgt Ion: 59 Resp: 214
 Ion Ratio Lower Upper
 59 100
 57 14.5 9.1 13.7#

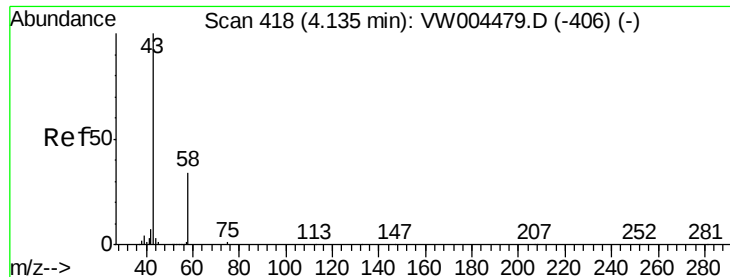


#13

Acrolein
 Concen: 1.929 ug/l
 RT: 3.91 min Scan# 381
 Delta R.T. 0.02 min
 Lab File: VW004551.D
 Acq: 09 Aug 2018 01:53

Tgt Ion: 56 Resp: 44
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#





#16

Acetone

Concen: 81.983 ug/l

RT: 4.11 min Scan# 414

Delta R.T. -0.02 min

Lab File: VW004551.D

Acq: 09 Aug 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

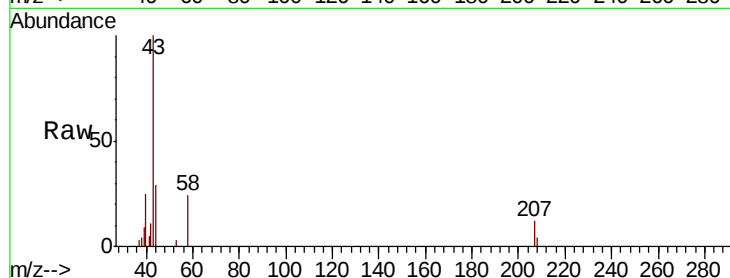
CL-02-080718-A

Tgt Ion: 43 Resp: 6510

Ion Ratio Lower Upper

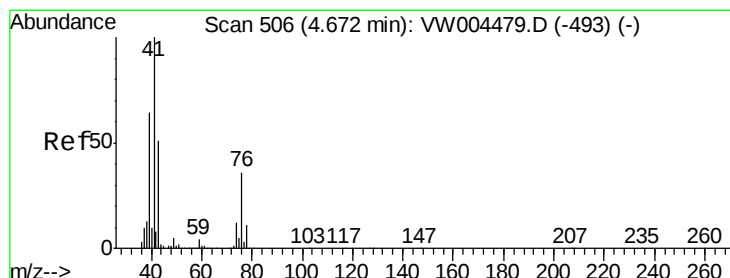
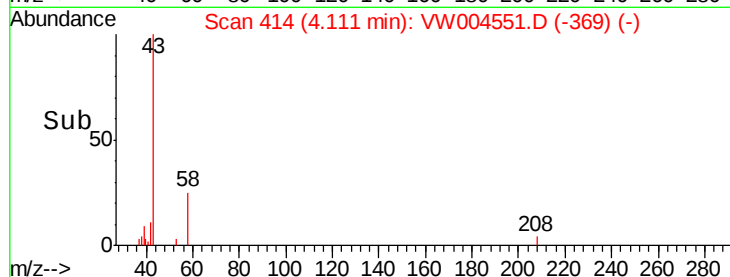
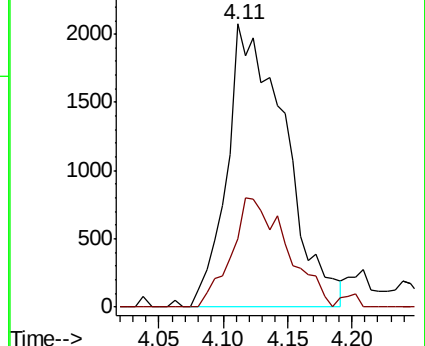
43 100

58 24.1 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 4.338 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.01 min

Lab File: VW004551.D

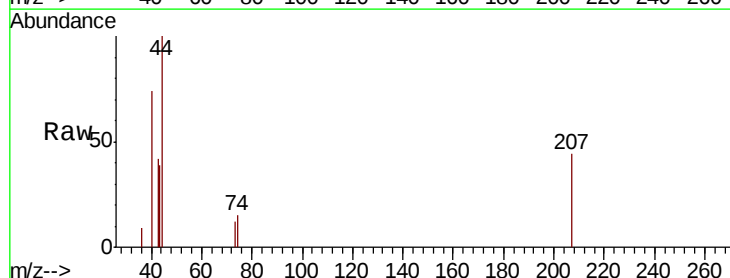
Acq: 09 Aug 2018 01:53

Tgt Ion: 43 Resp: 859

Ion Ratio Lower Upper

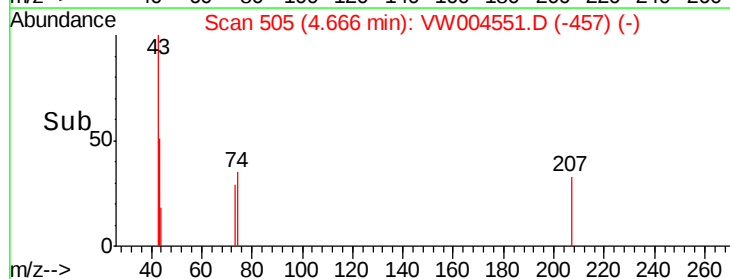
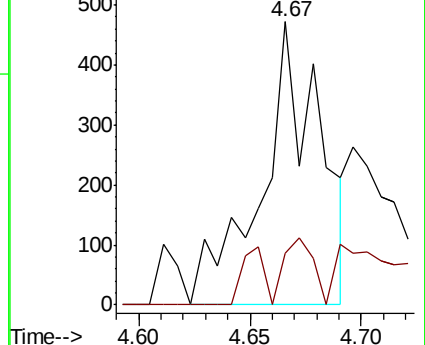
43 100

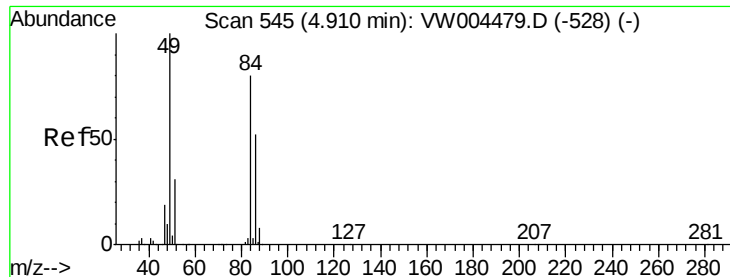
74 11.8 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

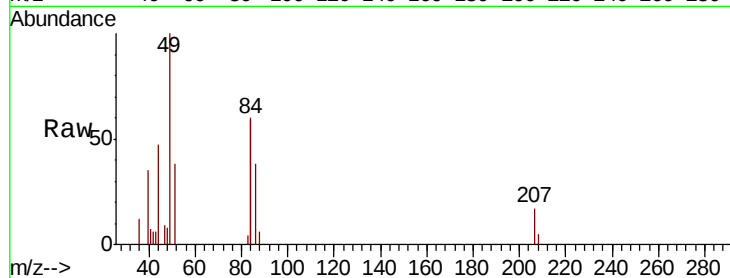




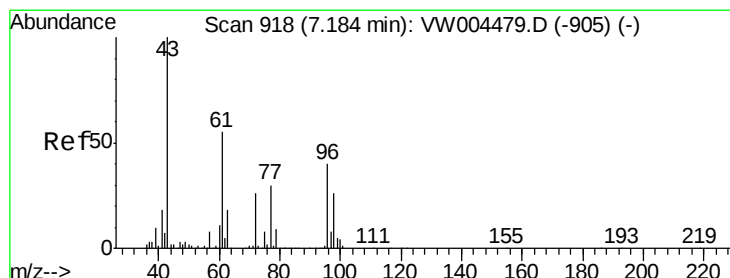
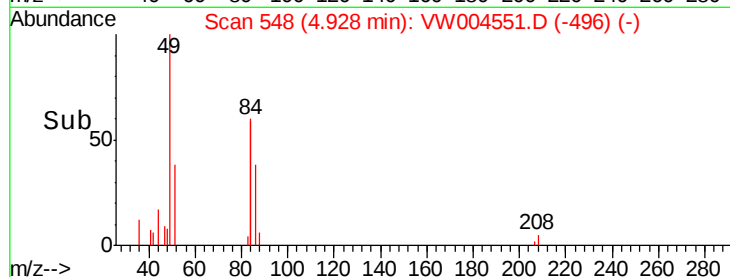
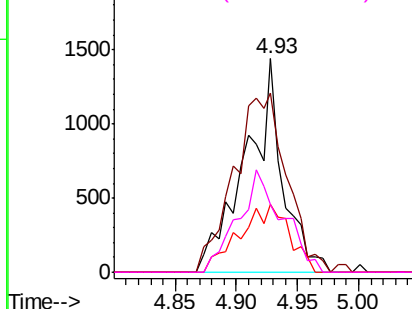
#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 548
Delta R.T. 0.02 min
Lab File: VW004551.D
Acq: 09 Aug 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-A

Tgt Ion: 84 Resp: 3061
Ion Ratio Lower Upper
84 100
49 84.0 99.6 149.4#
51 32.0 31.0 46.4
86 31.9 51.5 77.3#

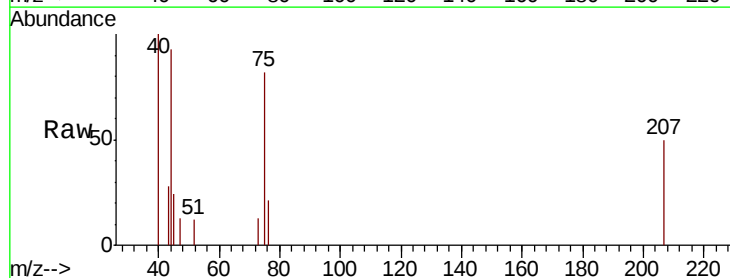


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

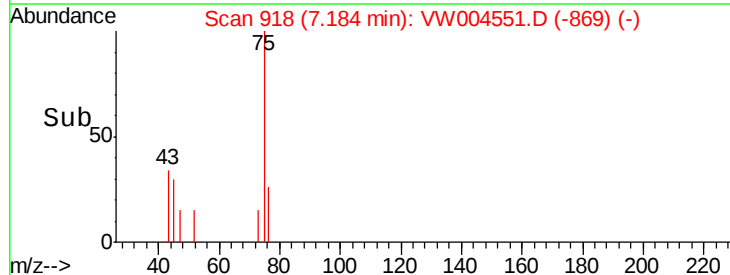
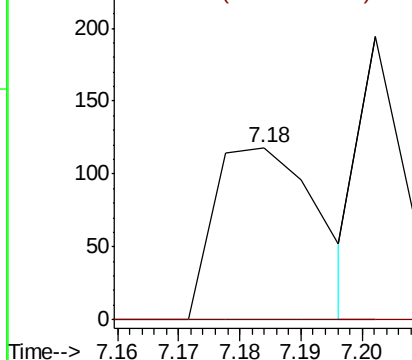


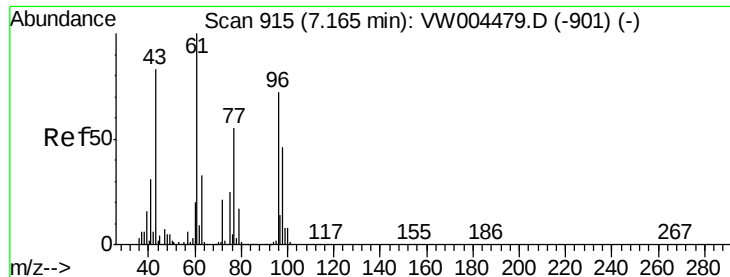
#25
2-Butanone
Concen: 1.088 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW004551.D
Acq: 09 Aug 2018 01:53

Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

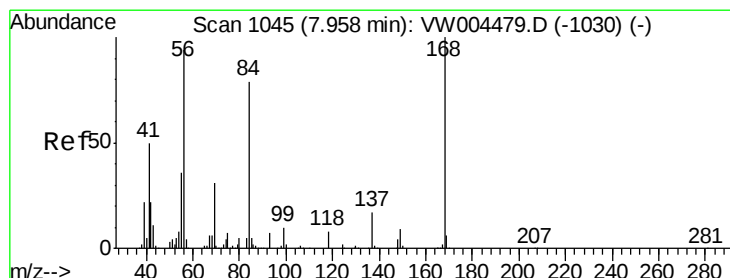
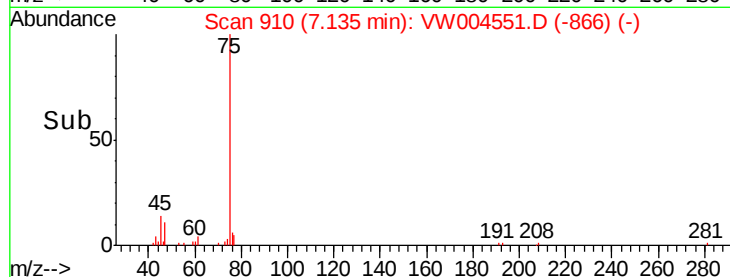
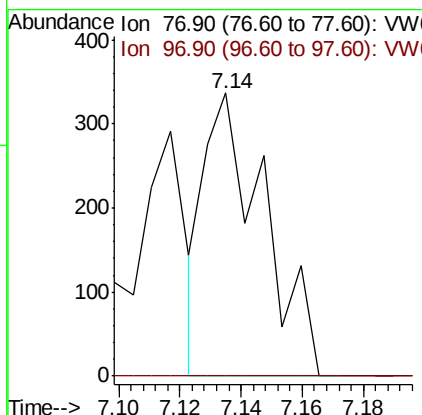
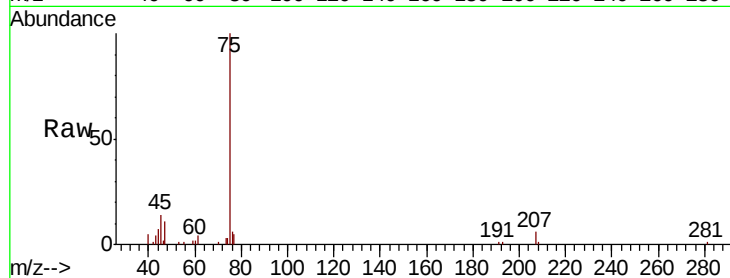




#26
 2,2-Dichloropropane
 Concen: 1.399 ug/l
 RT: 7.14 min Scan# 910
 Delta R.T. -0.03 min
 Lab File: VW004551.D
 Acq: 09 Aug 2018 01:53

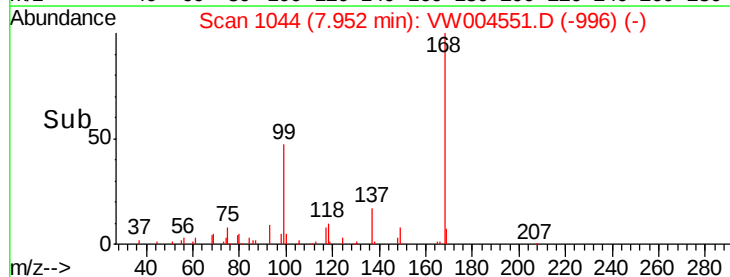
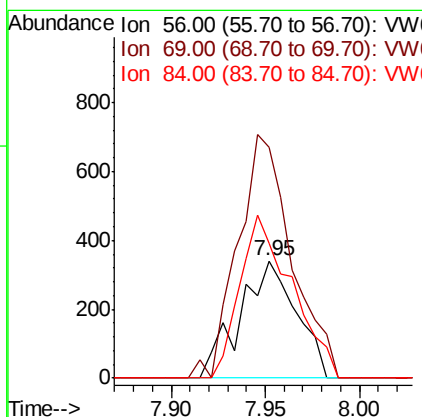
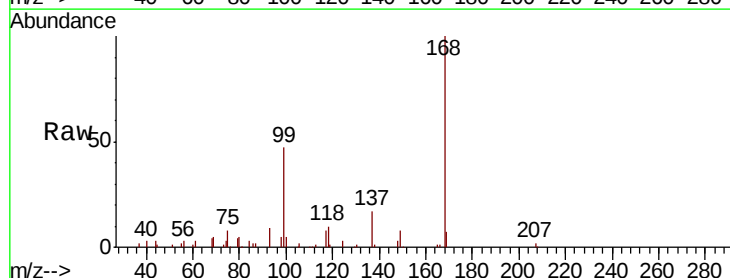
Instrument :
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 ClientSampleId :
 CL-02-080718-A

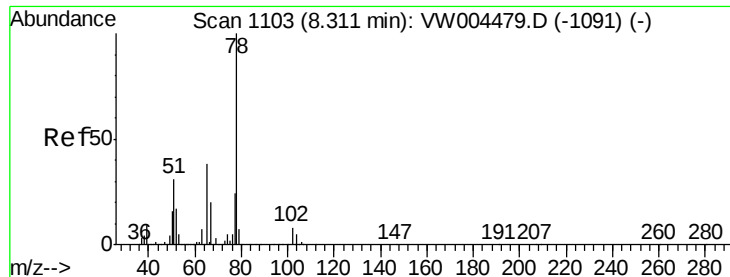
Tgt Ion: 77 Resp: 457
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.5 37.5#



#31
 Cyclohexane
 Concen: 1.187 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: VW004551.D
 Acq: 09 Aug 2018 01:53

Tgt Ion: 56 Resp: 707
 Ion Ratio Lower Upper
 56 100
 69 196.8 26.4 39.6#
 84 115.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 71.907 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004551.D

Acq: 09 Aug 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

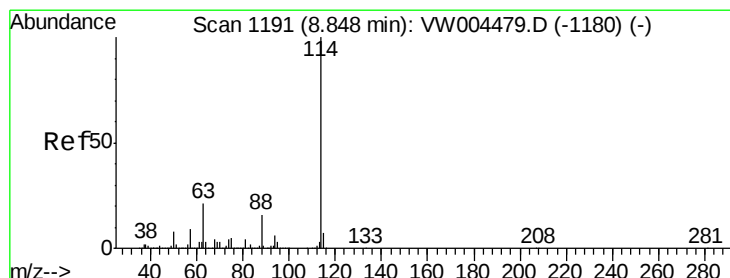
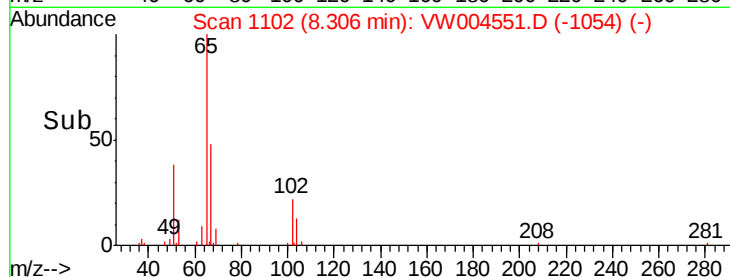
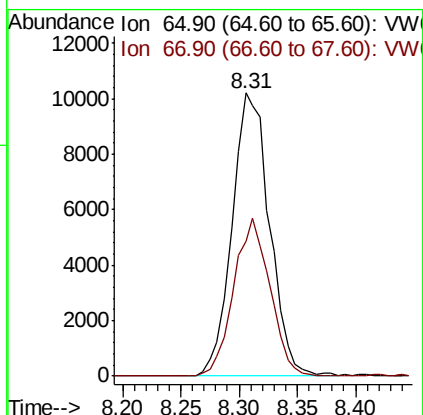
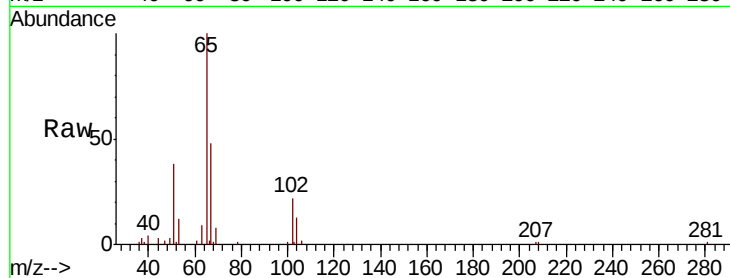
CL-02-080718-A

Tgt Ion: 65 Resp: 22864

Ion Ratio Lower Upper

65 100

67 54.1 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: VW004551.D

Acq: 09 Aug 2018 01:53

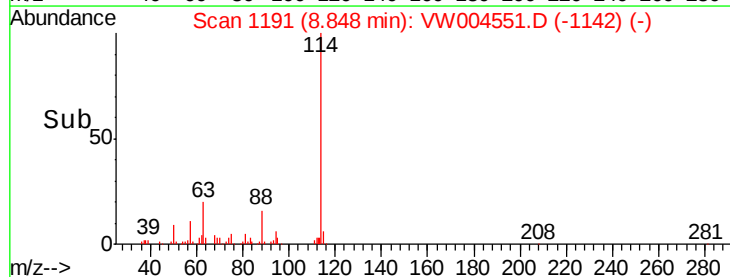
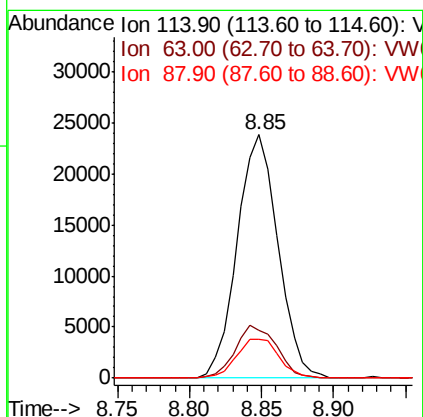
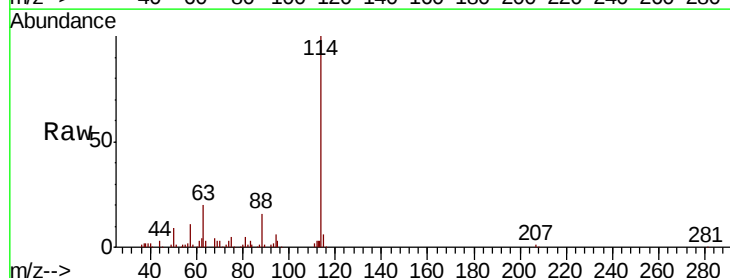
Tgt Ion: 114 Resp: 46986

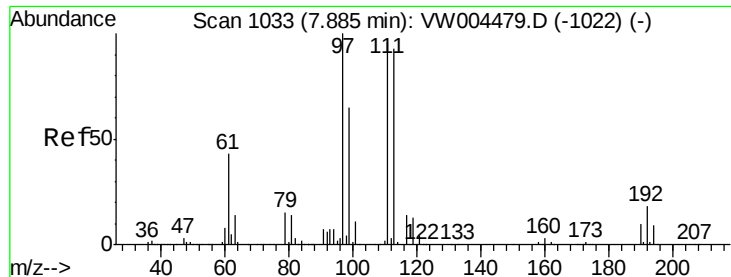
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.9 0.0 31.2

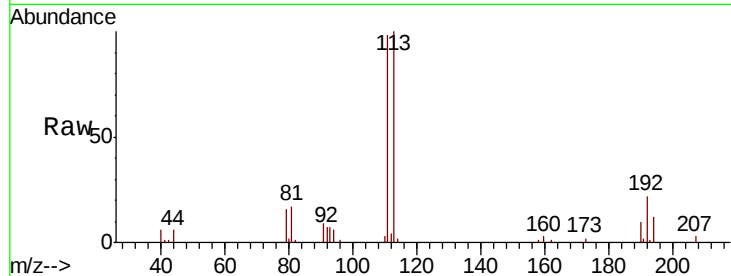




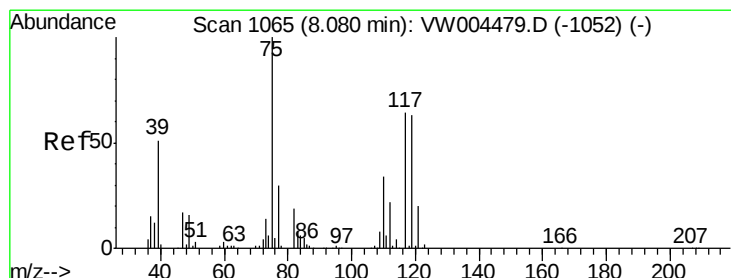
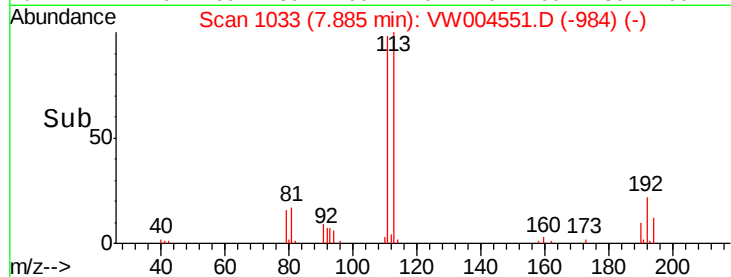
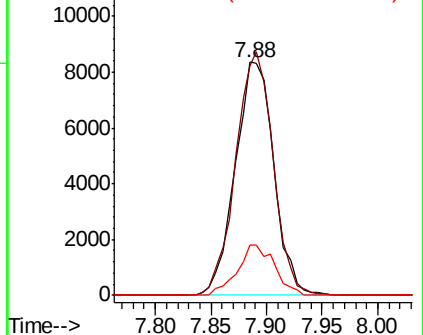
#35
 Dibromofluoromethane
 Concen: 64.449 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004551.D
 Acq: 09 Aug 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-080718-A

Tgt Ion: 113 Resp: 20191
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.9 124.3
 192 20.8 15.8 23.6

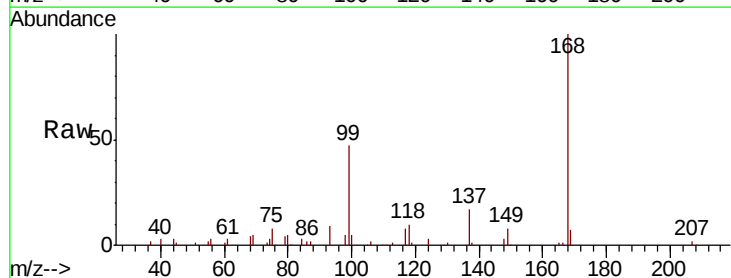


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

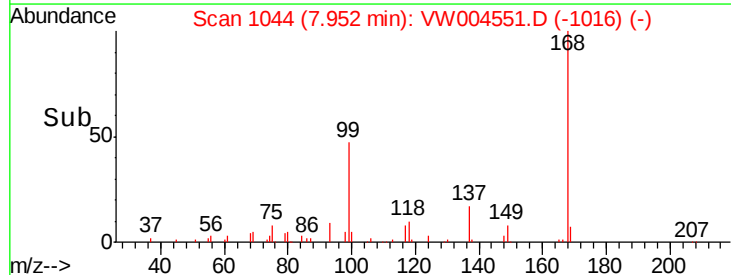
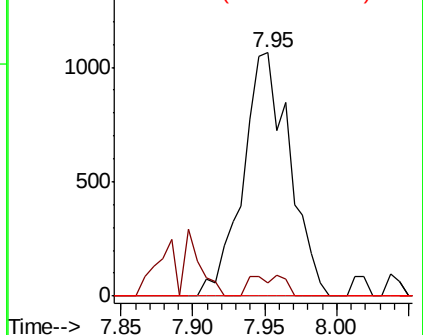


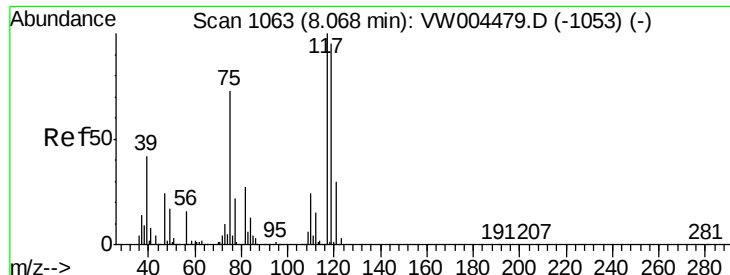
#36
 1,1-Dichloropropene
 Concen: 4.716 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004551.D
 Acq: 09 Aug 2018 01:53

Tgt Ion: 75 Resp: 2386
 Ion Ratio Lower Upper
 75 100
 110 6.1 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): V
 Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.11 min

Lab File: VW004551.D

Acq: 09 Aug 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-A

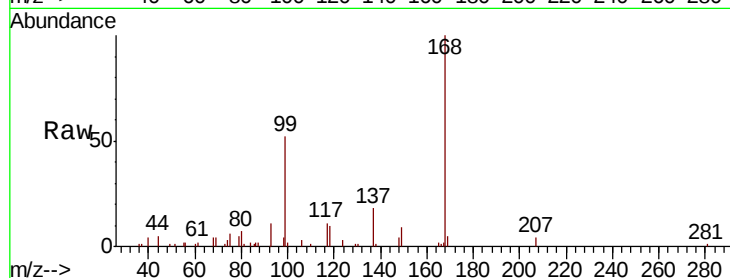
Tgt Ion:117 Resp: 2712

Ion Ratio Lower Upper

117 100

119 0.0 76.1 114.1#

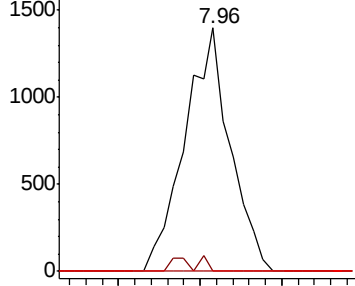
121 0.0 24.2 36.4#



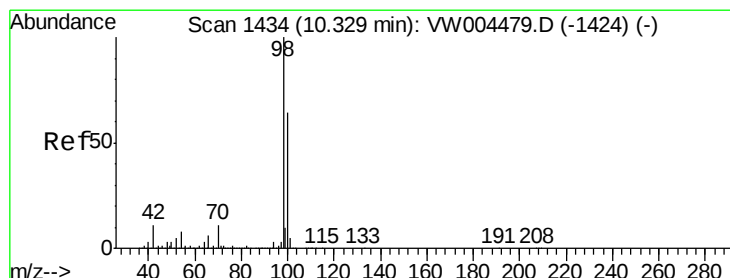
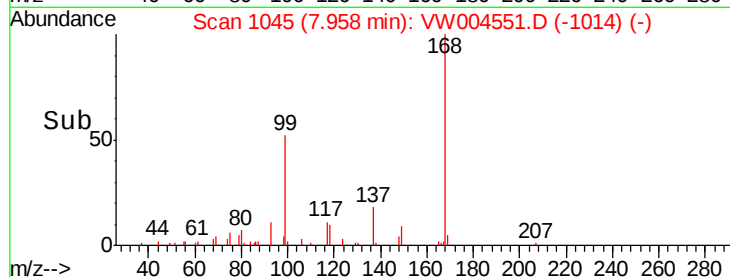
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#50

Toluene-d8

Concen: 45.980 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004551.D

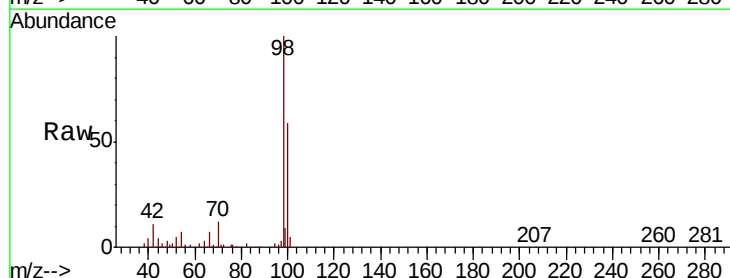
Acq: 09 Aug 2018 01:53

Tgt Ion: 98 Resp: 54917

Ion Ratio Lower Upper

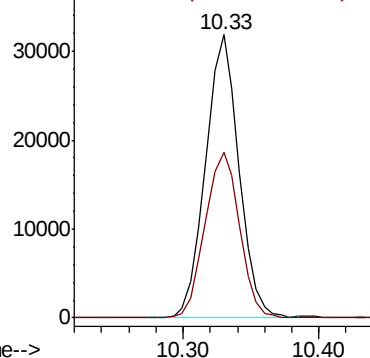
98 100

100 60.5 51.4 77.2

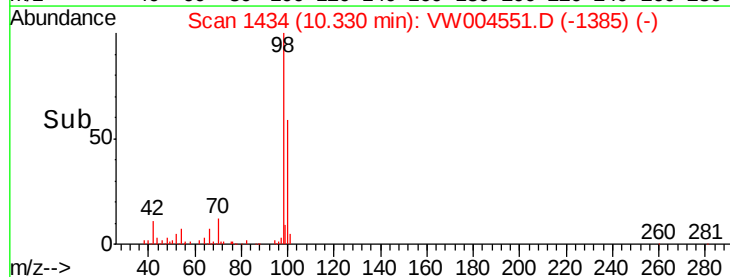


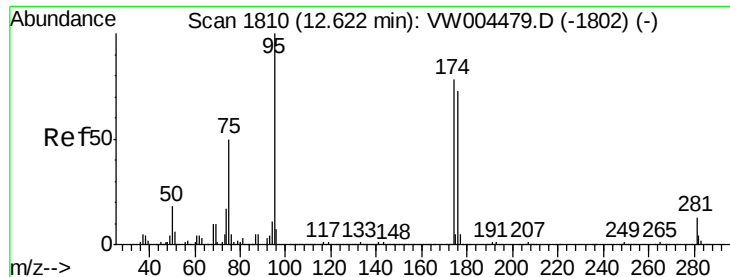
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#62

4-Bromofluorobenzene

Concen: 37.117 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004551.D

Acq: 09 Aug 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-A

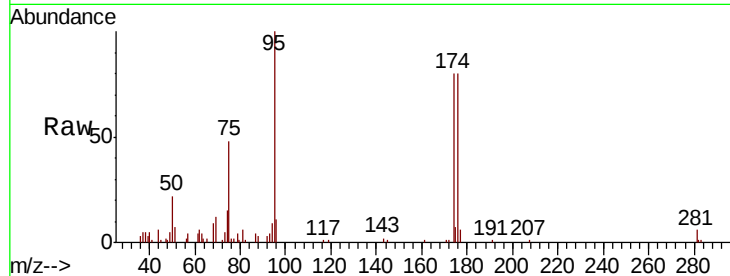
Tgt Ion: 95 Resp: 15969

Ion Ratio Lower Upper

95 100

174 83.1 0.0 160.4

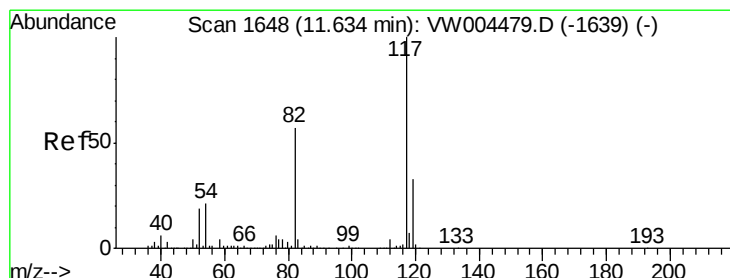
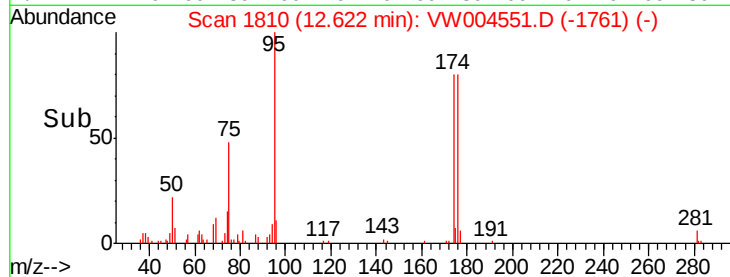
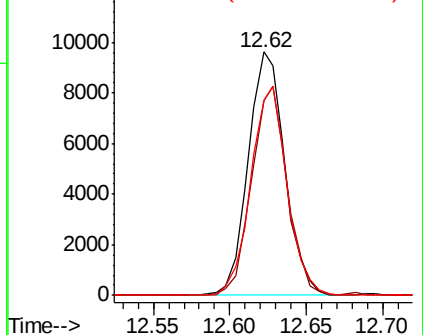
176 84.8 0.0 153.2



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: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW004551.D

Acq: 09 Aug 2018 01:53

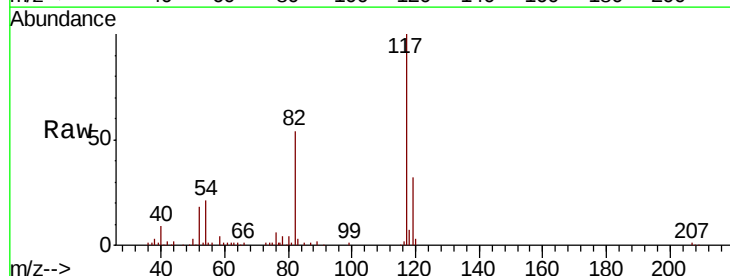
Tgt Ion: 117 Resp: 46964

Ion Ratio Lower Upper

117 100

82 54.0 45.3 67.9

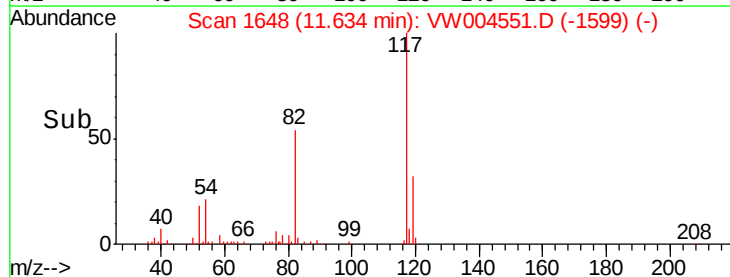
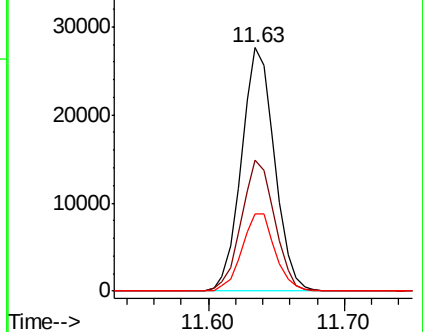
119 31.5 26.2 39.4

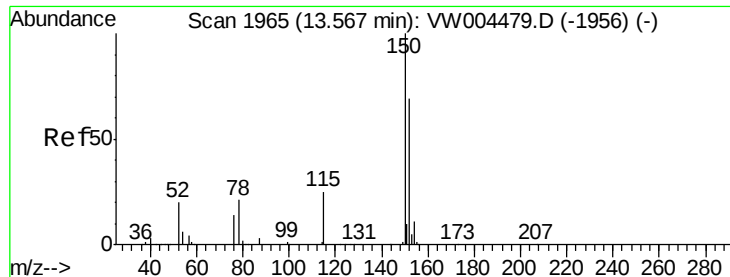


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1964

Delta R.T. -0.01 min

Lab File: VW004551.D

Acq: 09 Aug 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-A

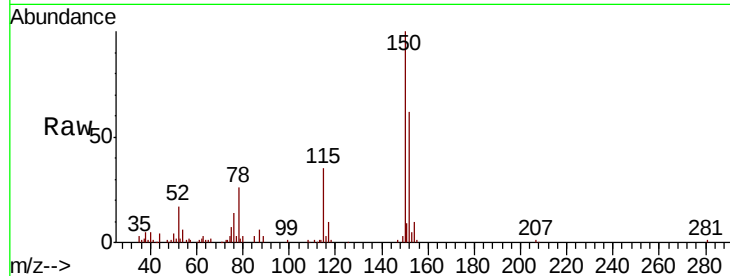
Tgt Ion:152 Resp: 16945

Ion Ratio Lower Upper

152 100

115 56.8 29.1 87.3

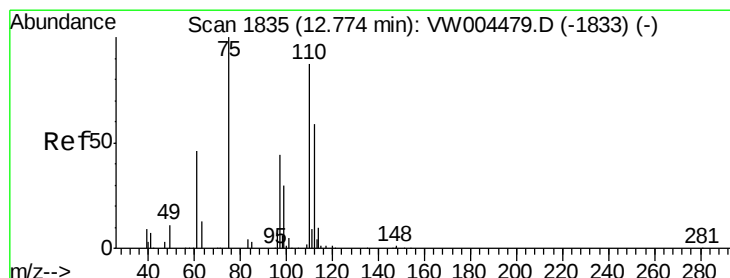
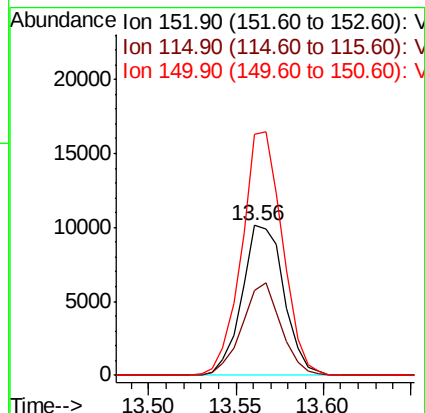
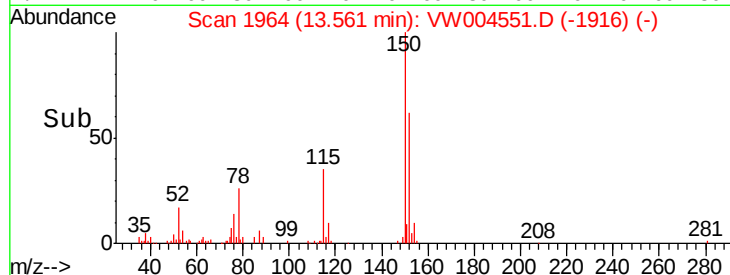
150 157.0 0.0 349.6



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: 43.235 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004551.D

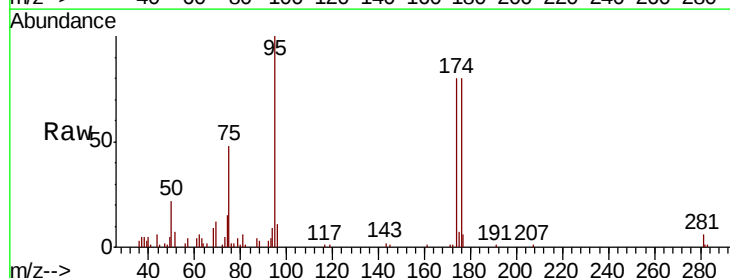
Acq: 09 Aug 2018 01:53

Tgt Ion: 75 Resp: 7581

Ion Ratio Lower Upper

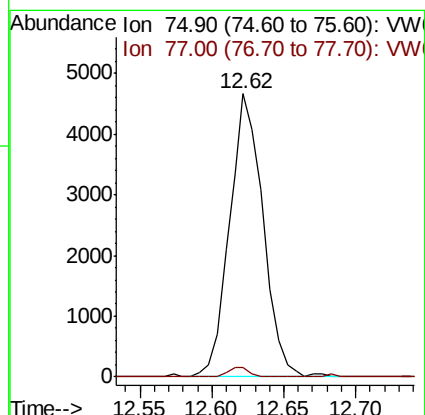
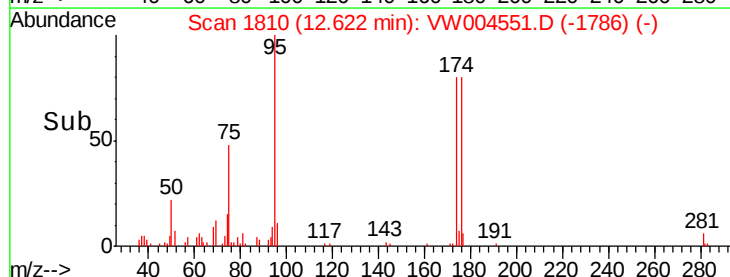
75 100

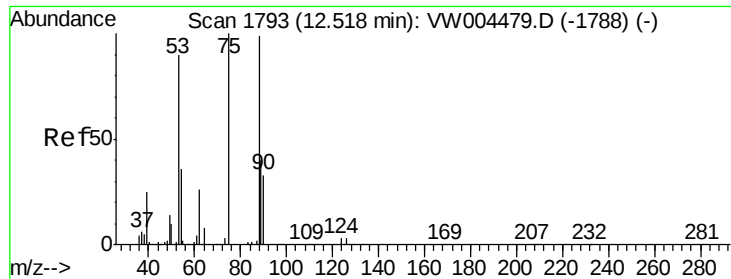
77 2.1 0.0 0.0#



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: 103.499 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004551.D

Acq: 09 Aug 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-A

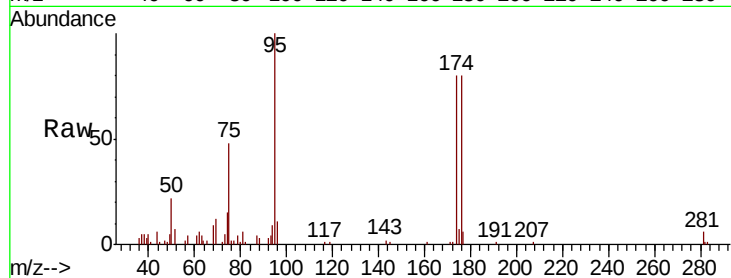
Tgt Ion: 75 Resp: 7581

Ion Ratio Lower Upper

75 100

53 0.3 74.4 111.6#

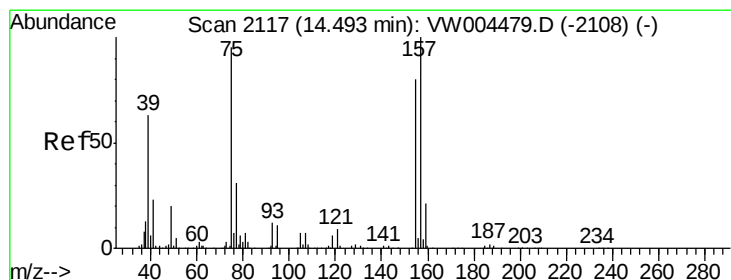
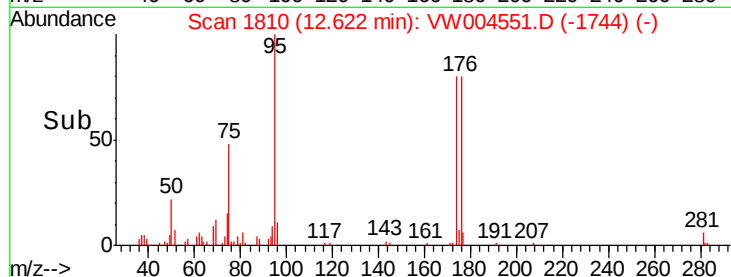
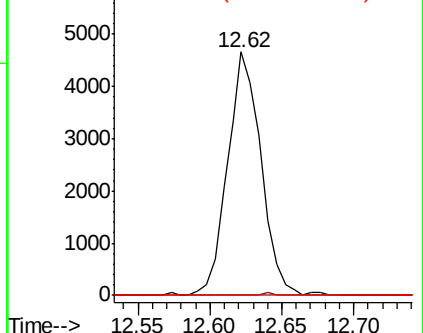
89 0.0 35.9 53.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.126 ug/l

RT: 14.62 min Scan# 2138

Delta R.T. 0.13 min

Lab File: VW004551.D

Acq: 09 Aug 2018 01:53

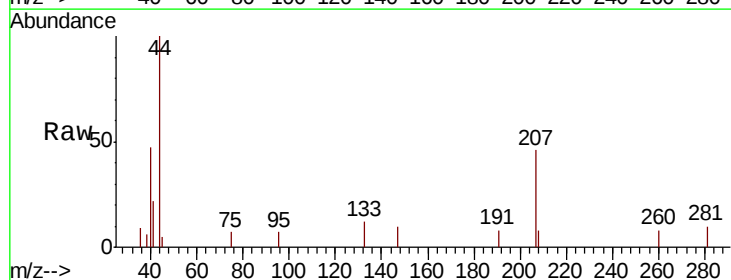
Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

155 0.0 41.3 123.7#

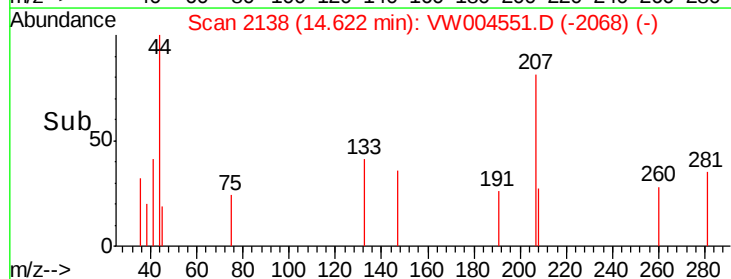
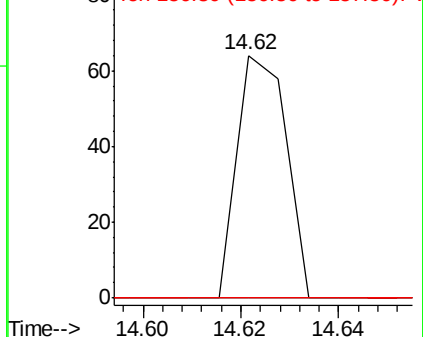
157 0.0 52.6 157.8#

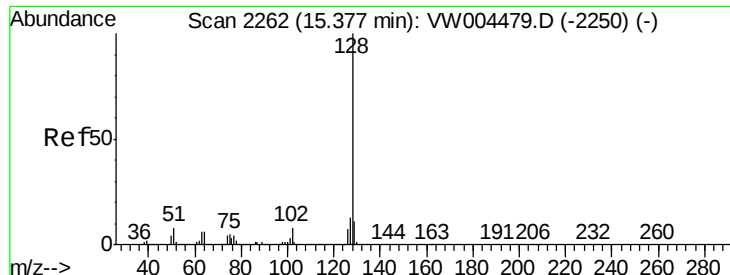


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 3.119 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004551.D

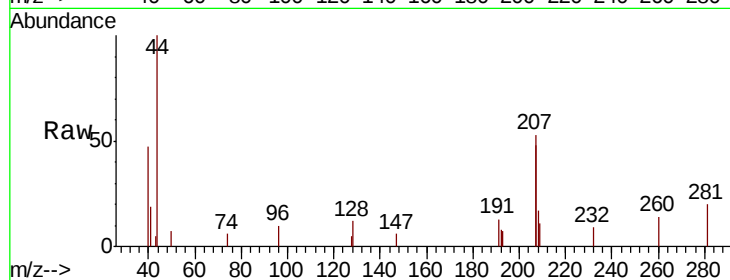
Acq: 09 Aug 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-A



Tgt Ion:	128	Resp:	164
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

