

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
 Data File : VW004552.D
 Acq On : 09 Aug 2018 02:19
 Operator : SY/AP
 Sample : J4275-03
 Misc : 2.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Aug 09 05:18:09 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	307935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	511770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	144788	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	236222	69.30	ug/l	0.00
Spiked Amount			Recovery	=	138.60%	
35) Dibromofluoromethane	7.88	113	203193	59.55	ug/l	0.00
Spiked Amount			Recovery	=	119.10%	
50) Toluene-d8	10.33	98	538568	41.40	ug/l	0.00
Spiked Amount			Recovery	=	82.80%	
62) 4-Bromofluorobenzene	12.62	95	146173	31.19	ug/l	0.00
Spiked Amount			Recovery	=	62.38%	

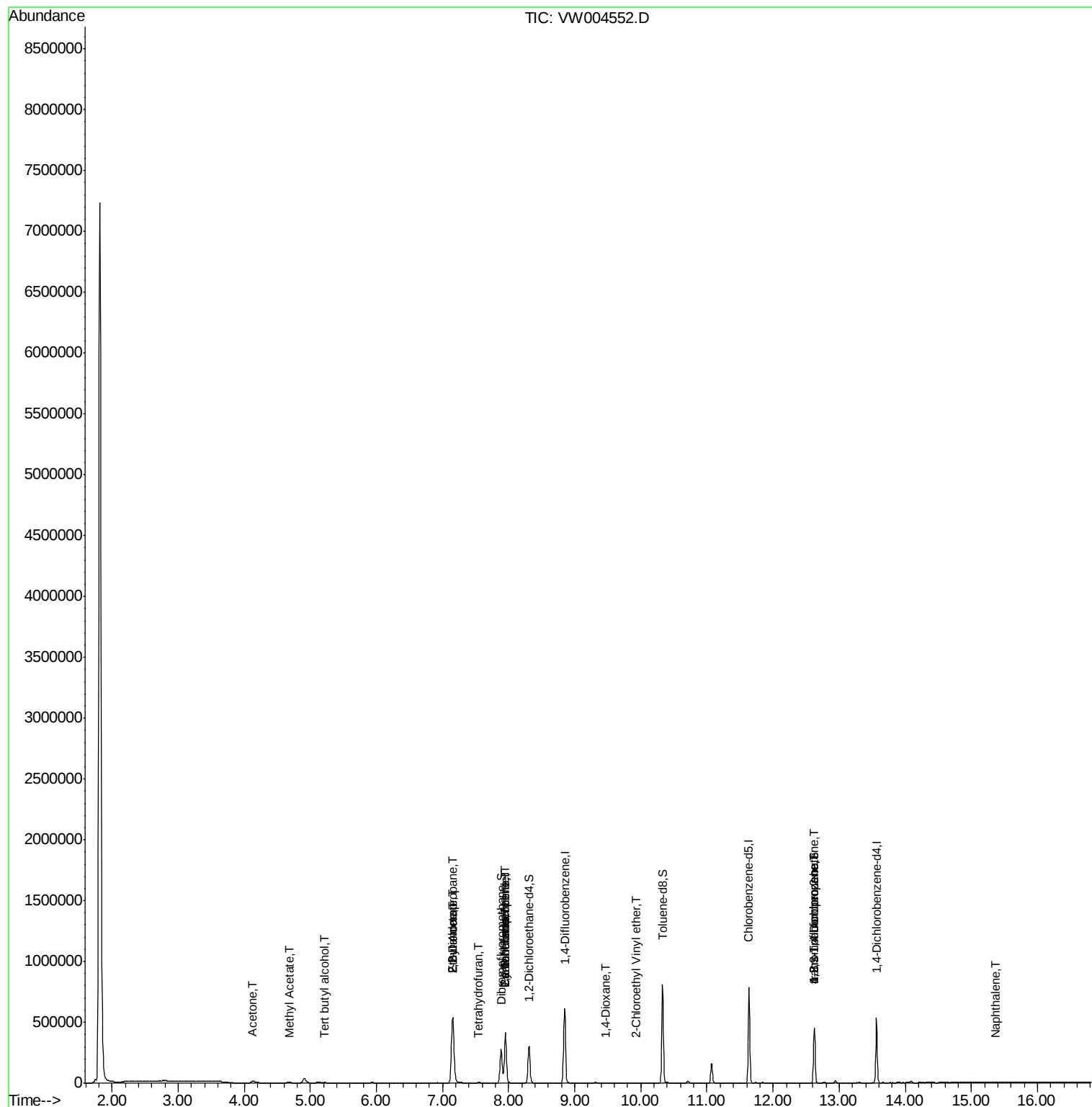
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	3219	16.128	ug/l #	90
16) Acetone	4.14	43	28195	33.121	ug/l	97
18) Methyl Acetate	4.68	43	12580	5.926	ug/l	95
20) Methylene Chloride	4.91	84	28852	Below Cal		94
25) 2-Butanone	7.16	43	26979	19.702	ug/l #	78
26) 2,2-Dichloropropane	7.15	77	37559	10.723	ug/l #	50
29) Tetrahydrofuran	7.54	42	1305	1.843	ug/l #	82
31) Cyclohexane	7.95	56	6883	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	25726	4.669	ug/l #	49
37) Ethyl Acetate	7.16	43	26979	10.454	ug/l #	1
38) Carbon Tetrachloride	7.95	117	30013	6.053	ug/l #	17
49) 1,4-Dioxane	9.48	88	48	1.525	ug/l #	55
58) 2-Chloroethyl Vinyl ether	9.94	63	405	9.152	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	70604	47.125	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70604	112.810	ug/l #	13
95) Naphthalene	15.38	128	947	3.053	ug/l #	76

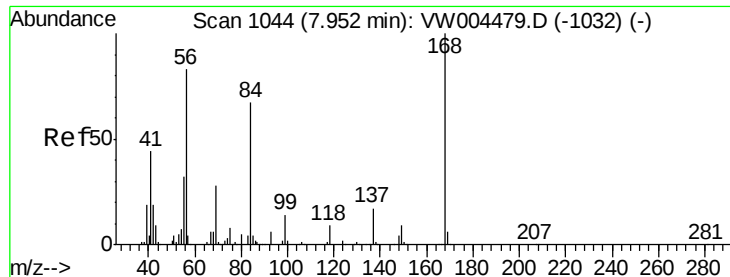
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
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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: VW004552.D

Acq: 09 Aug 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

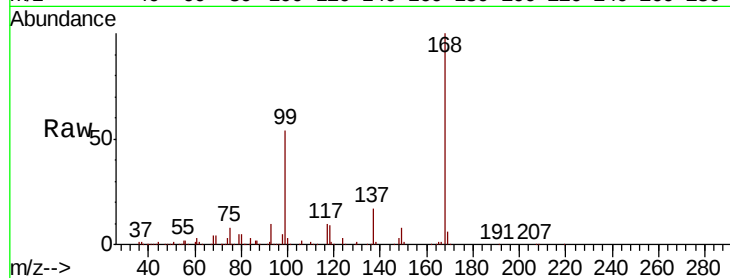
CL-02-080718-B

Tgt Ion:168 Resp: 307935

Ion Ratio Lower Upper

168 100

99 54.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

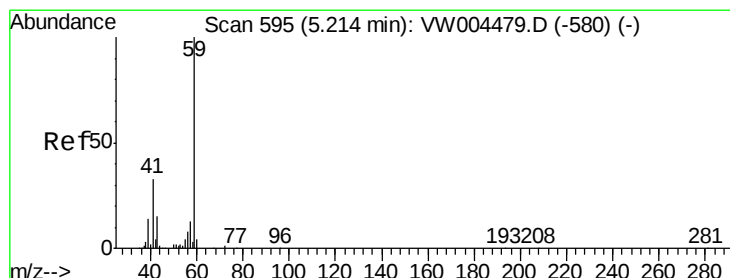
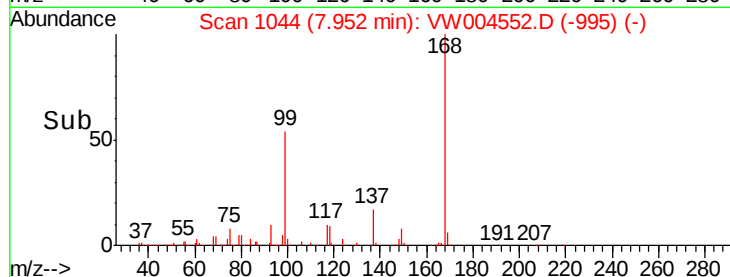
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 16.128 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VW004552.D

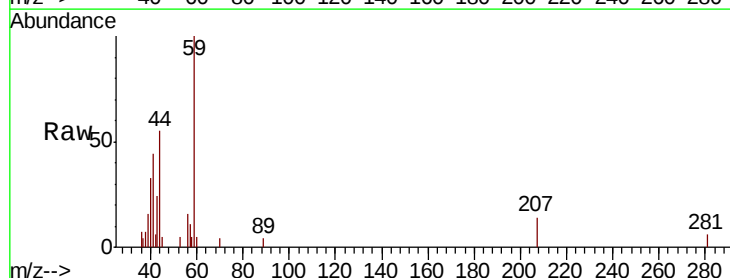
Acq: 09 Aug 2018 02:19

Tgt Ion: 59 Resp: 3219

Ion Ratio Lower Upper

59 100

57 15.3 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

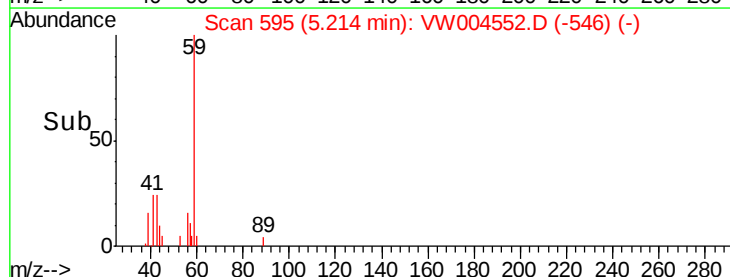
1500

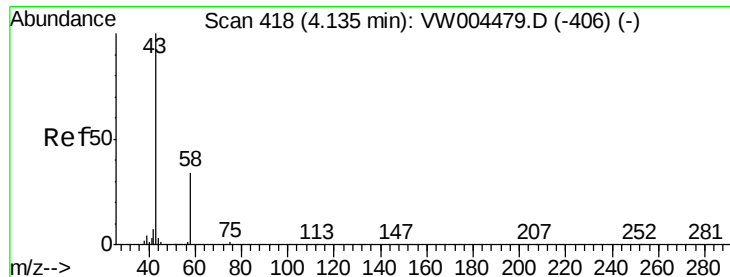
1000

500

0

Time-->

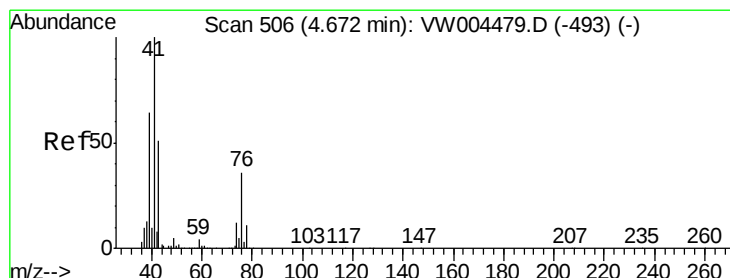
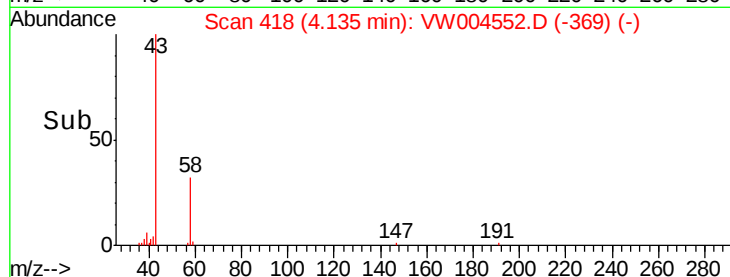
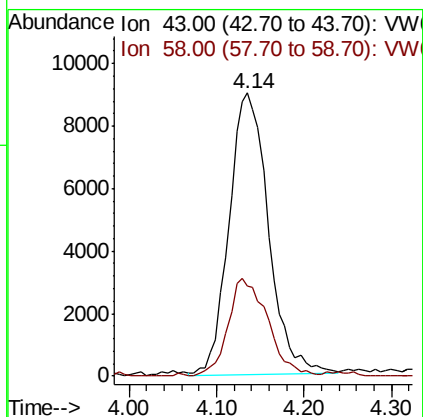
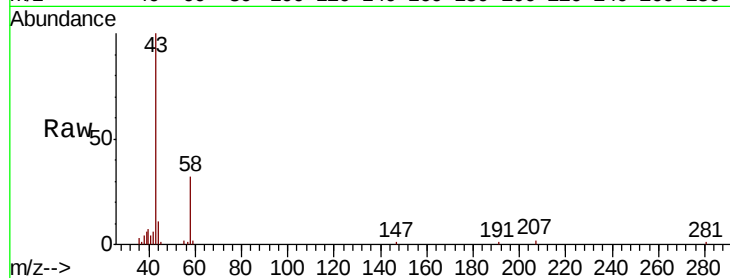




#16
Acetone
Concen: 33.121 ug/l
RT: 4.14 min Scan# 418
Delta R.T. -0.00 min
Lab File: VW004552.D
Acq: 09 Aug 2018 02:19

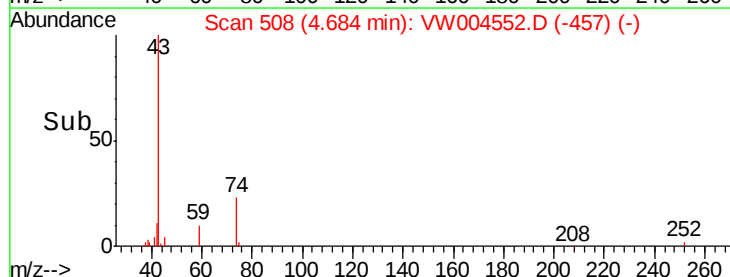
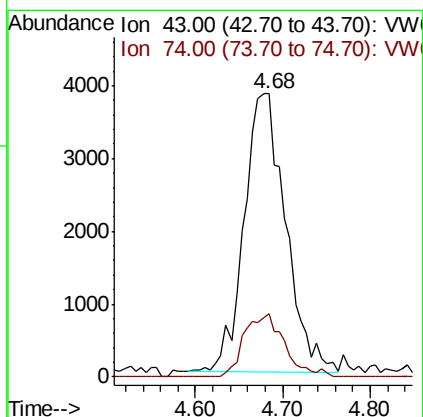
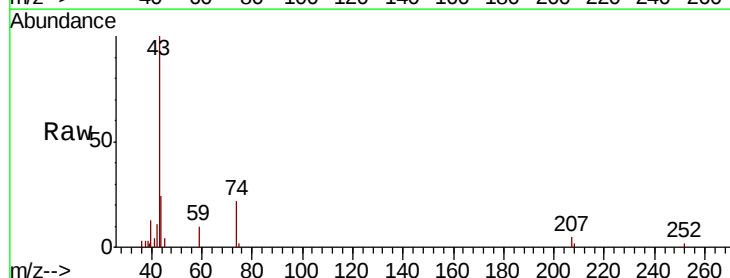
Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-B

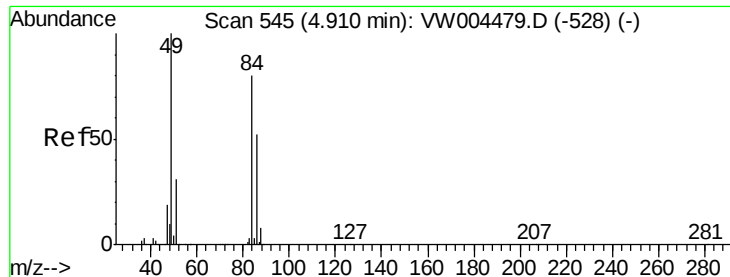
Tgt Ion: 43 Resp: 28195
Ion Ratio Lower Upper
43 100
58 31.9 26.8 40.2



#18
Methyl Acetate
Concen: 5.926 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW004552.D
Acq: 09 Aug 2018 02:19

Tgt Ion: 43 Resp: 12580
Ion Ratio Lower Upper
43 100
74 21.7 19.1 28.7

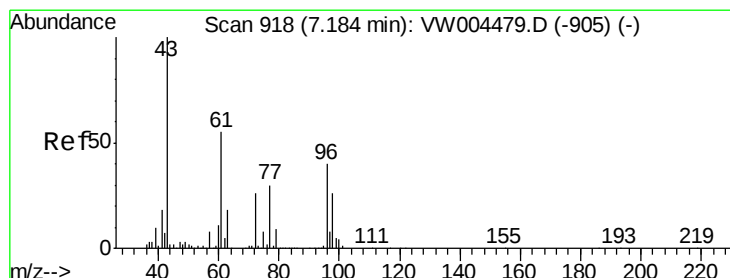
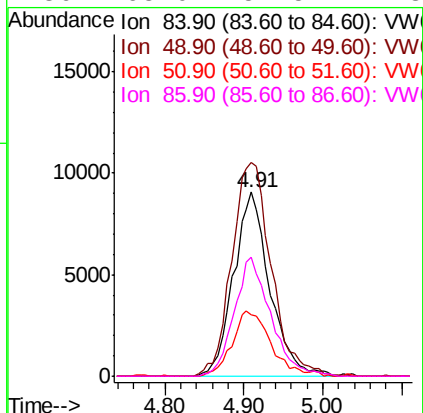
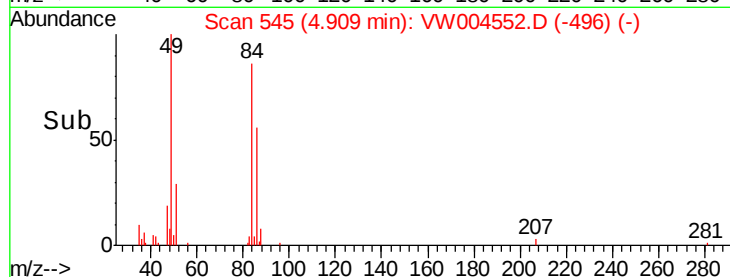
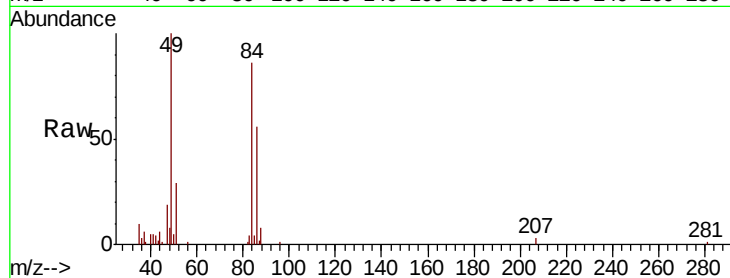




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004552.D
Acq: 09 Aug 2018 02:19

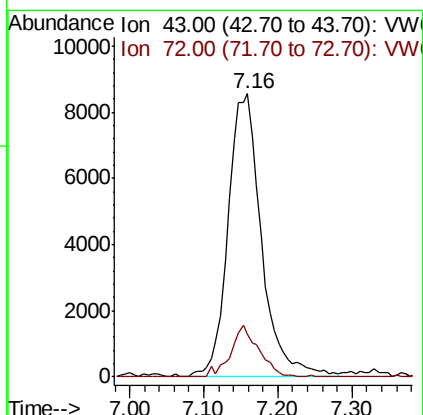
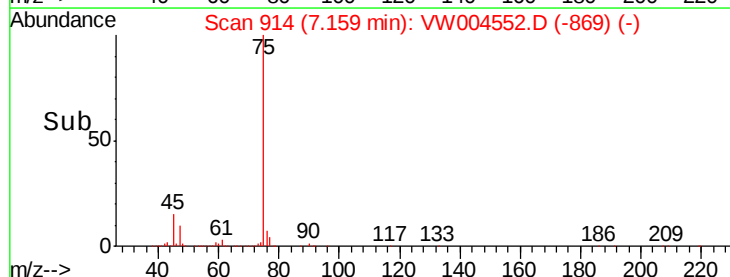
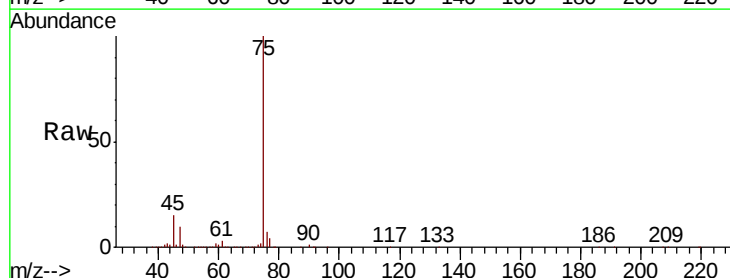
Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-B

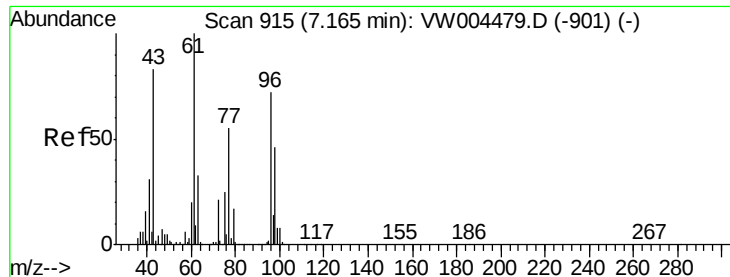
Tgt Ion: 84 Resp: 28852
Ion Ratio Lower Upper
84 100
49 116.1 99.6 149.4
51 33.6 31.0 46.4
86 65.0 51.5 77.3



#25
2-Butanone
Concen: 19.702 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW004552.D
Acq: 09 Aug 2018 02:19

Tgt Ion: 43 Resp: 26979
Ion Ratio Lower Upper
43 100
72 15.0 21.0 31.6#





#26

2,2-Dichloropropane

Concen: 10.723 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

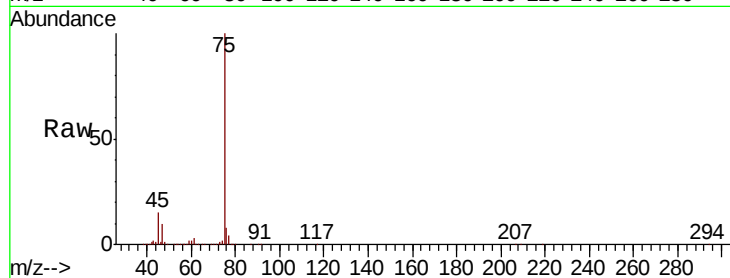
CL-02-080718-B

Tgt Ion: 77 Resp: 37559

Ion Ratio Lower Upper

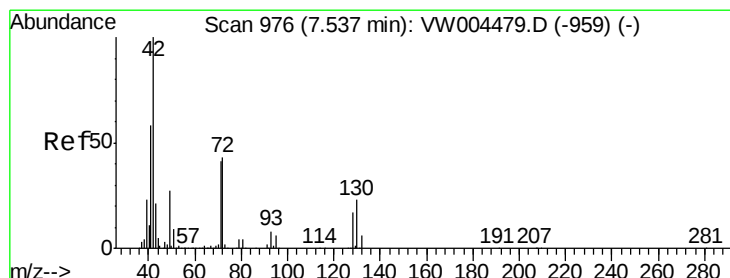
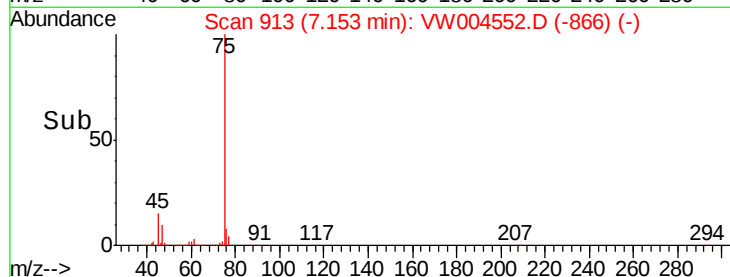
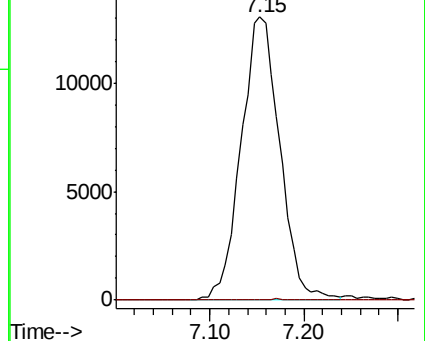
77 100

97 0.1 12.5 37.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 1.843 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

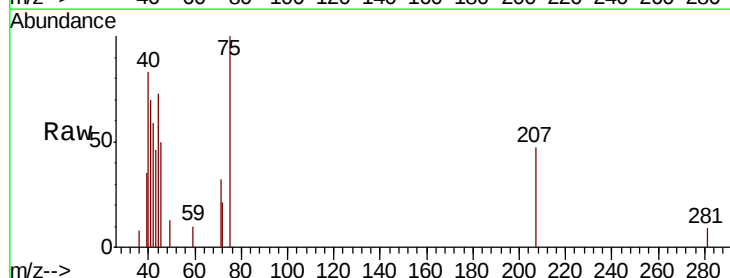
Tgt Ion: 42 Resp: 1305

Ion Ratio Lower Upper

42 100

72 32.9 34.1 51.1#

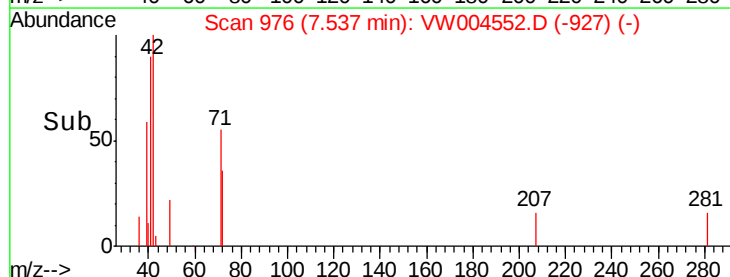
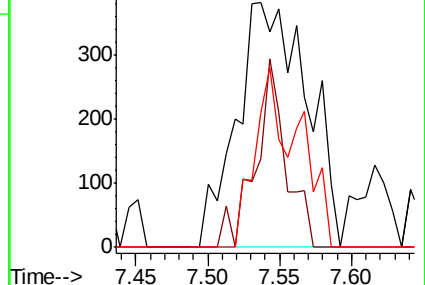
71 28.2 32.5 48.7#

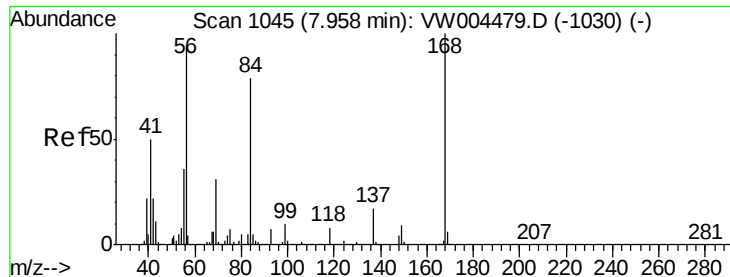


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

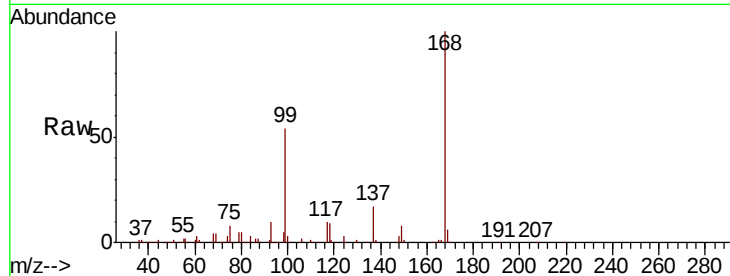




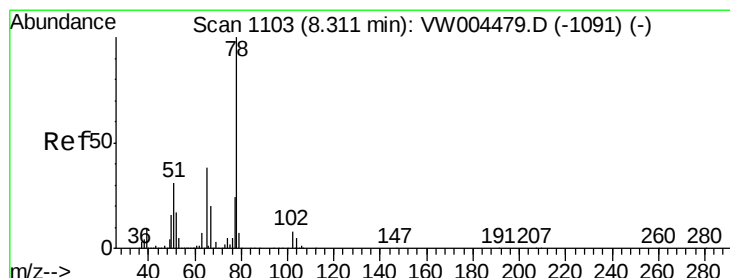
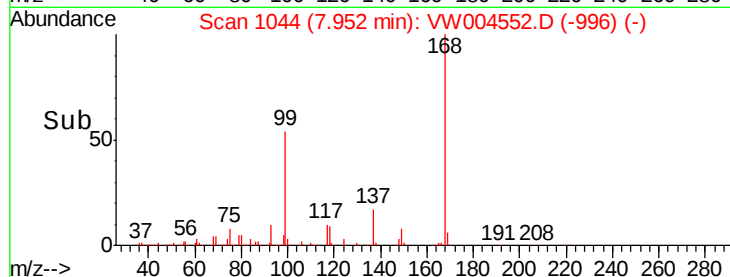
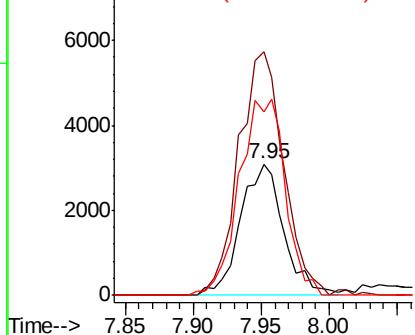
#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004552.D
Acq: 09 Aug 2018 02:19

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

Tgt Ion: 56 Resp: 6883
Ion Ratio Lower Upper
56 100
69 185.1 26.4 39.6#
84 139.1 66.9 100.3#

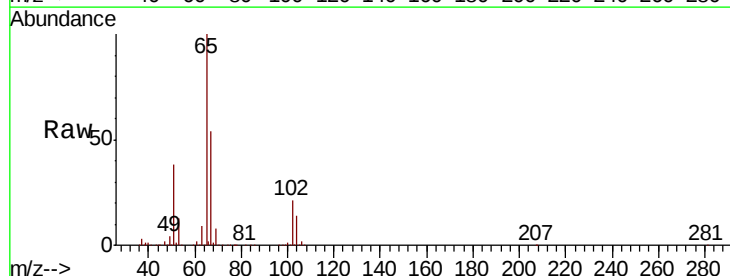


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

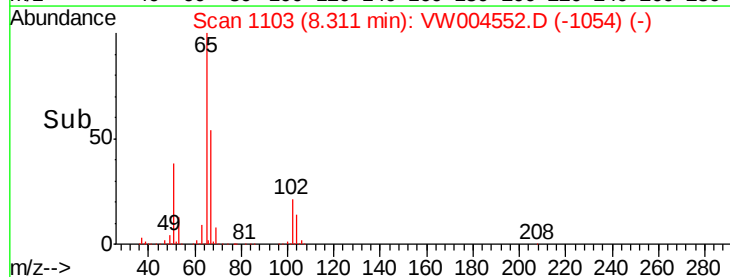
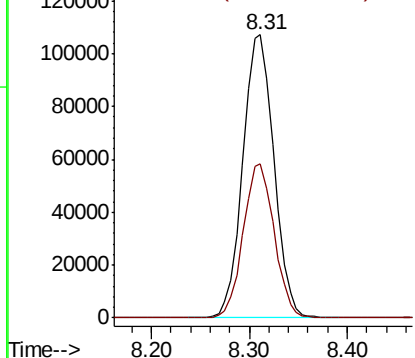


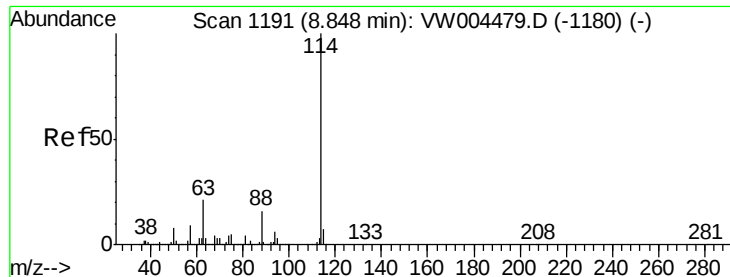
#33
1,2-Dichloroethane-d4
Concen: 69.299 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004552.D
Acq: 09 Aug 2018 02:19

Tgt Ion: 65 Resp: 236222
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

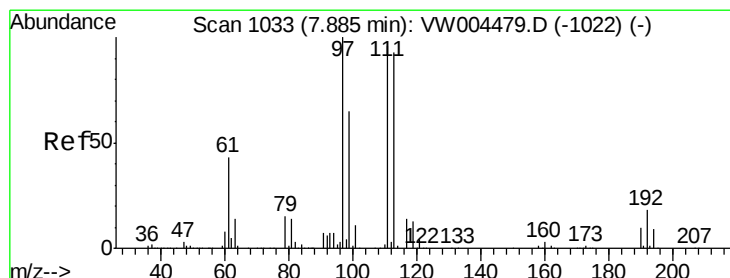
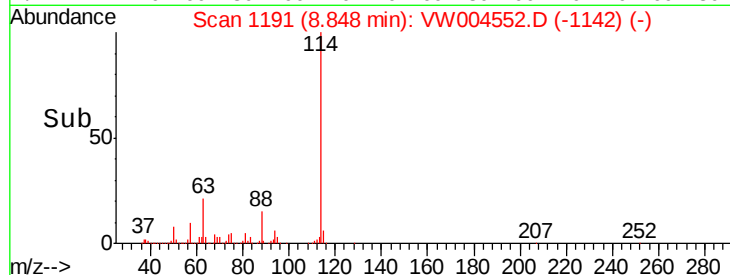
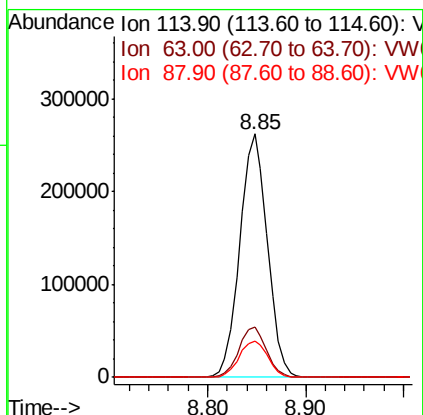
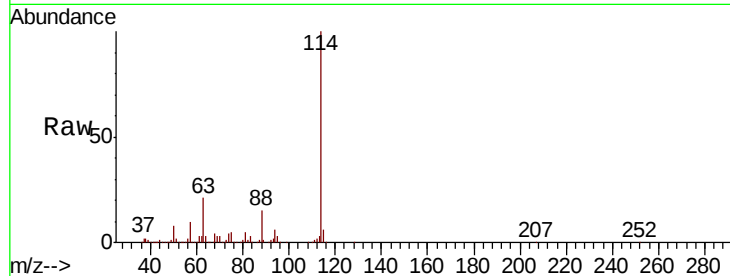




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004552.D
 Acq: 09 Aug 2018 02:19

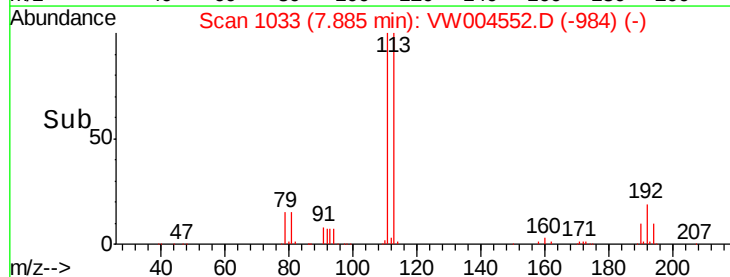
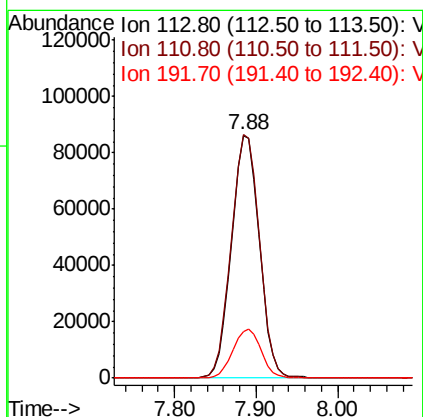
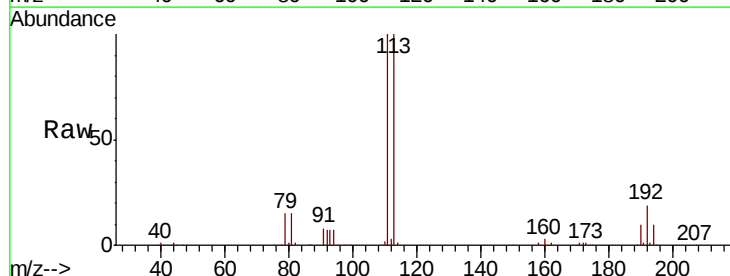
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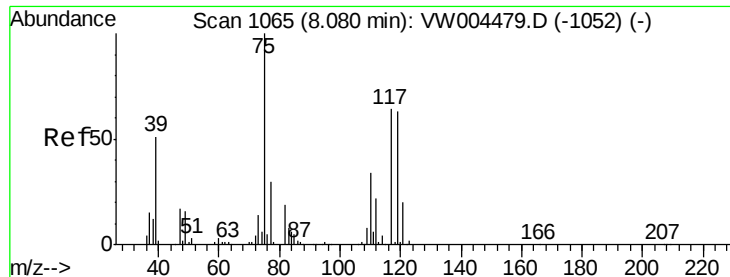
Tgt Ion:114 Resp: 511770
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 15.1 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 59.547 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004552.D
 Acq: 09 Aug 2018 02:19

Tgt Ion:113 Resp: 203193
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 20.3 15.8 23.6





#36

1,1-Dichloropropene

Concen: 4.669 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-B

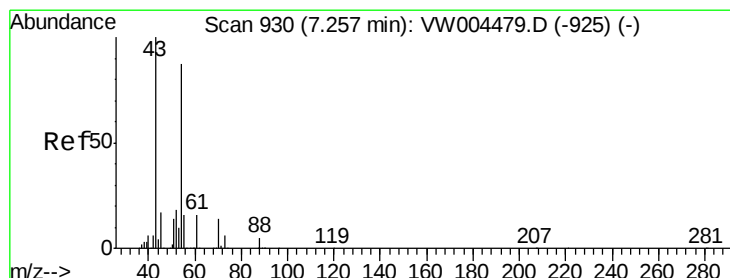
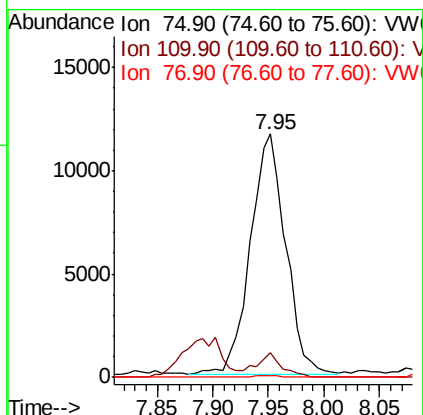
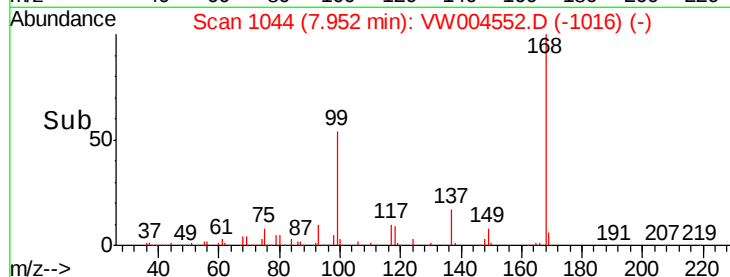
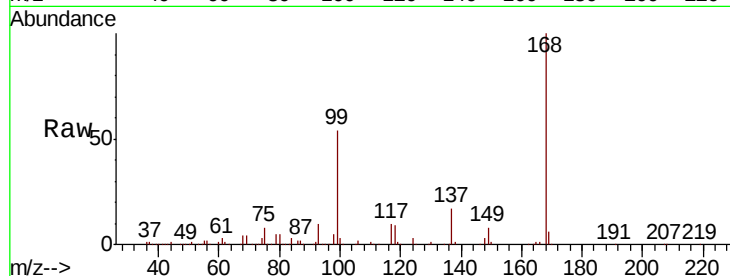
Tgt Ion: 75 Resp: 25726

Ion Ratio Lower Upper

75 100

110 7.2 17.4 52.2#

77 0.4 24.7 37.1#



#37

Ethyl Acetate

Concen: 10.454 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.10 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

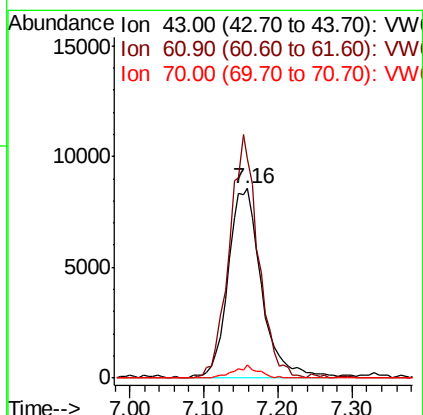
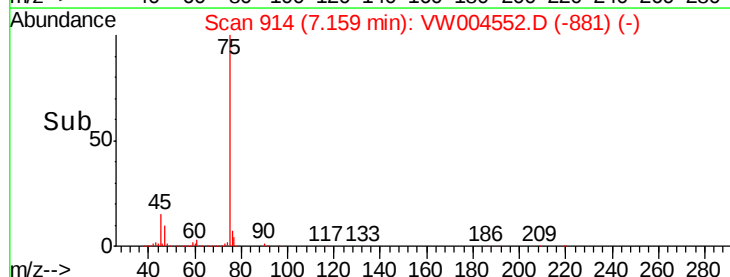
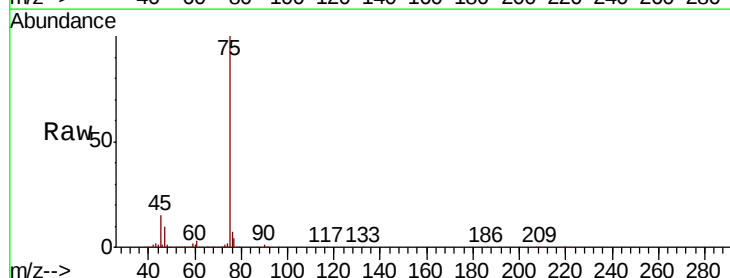
Tgt Ion: 43 Resp: 26979

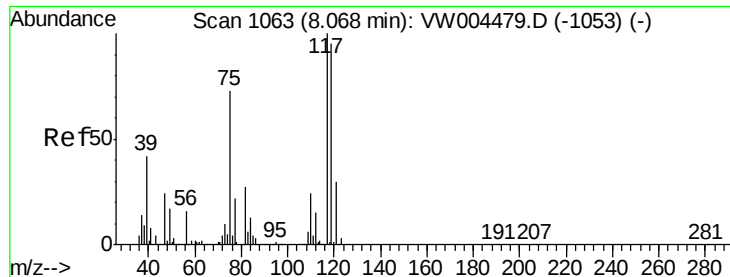
Ion Ratio Lower Upper

43 100

61 110.4 11.9 17.9#

70 5.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 6.053 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

Instrument :

MSVOA_W

ClientSampled :

CL-02-080718-B

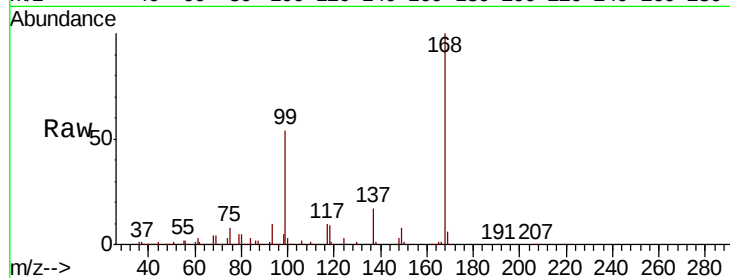
Tgt Ion: 117 Resp: 30013

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

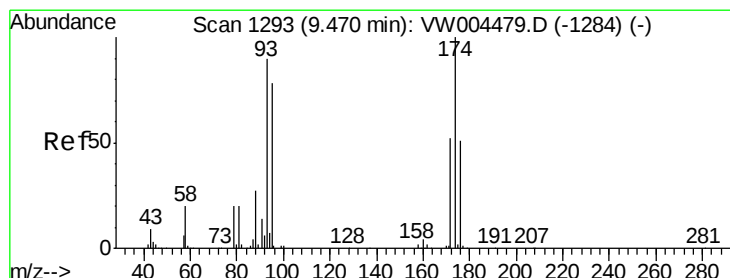
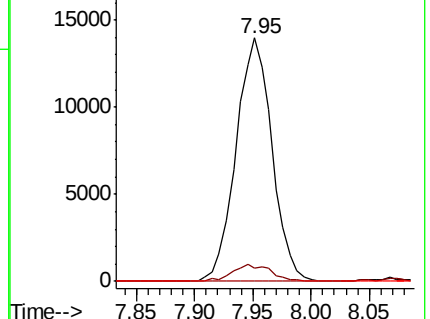
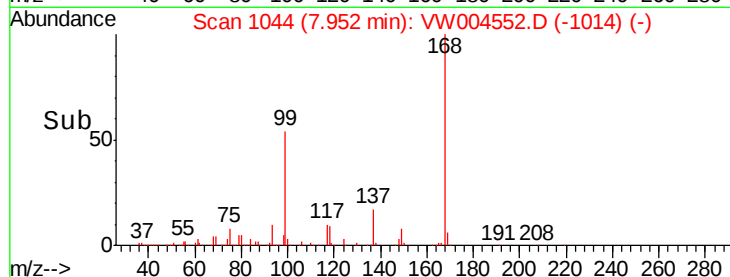
121 0.0 24.2 36.4#



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



#49

1,4-Dioxane

Concen: 1.525 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

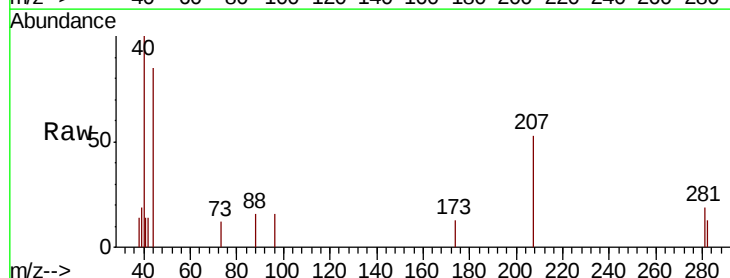
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 41.7 0.0 0.0#

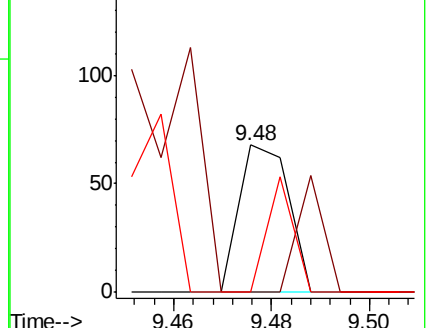
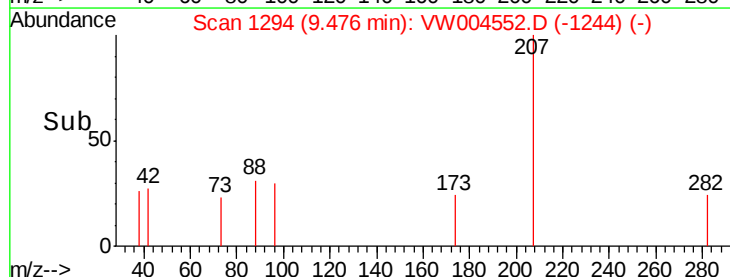
58 39.6 63.5 95.3#

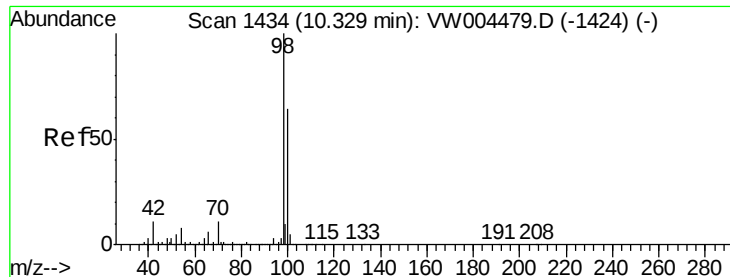


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 41.400 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

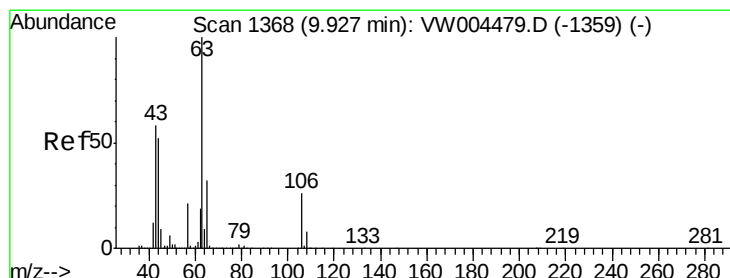
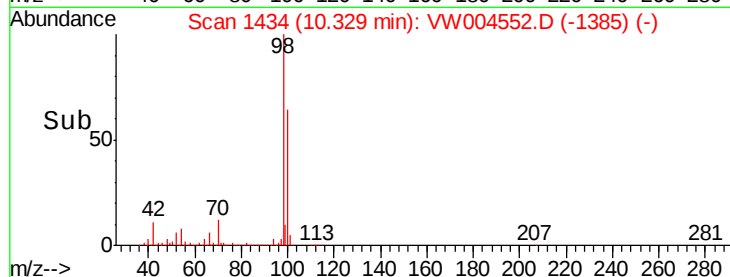
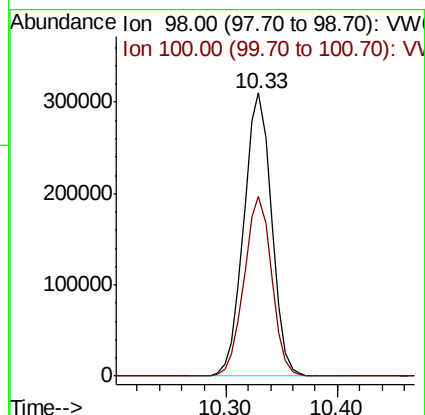
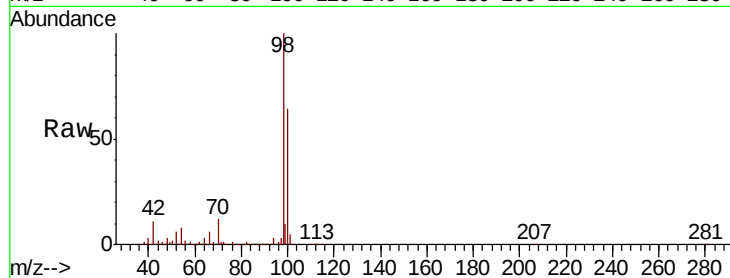
CL-02-080718-B

Tgt Ion: 98 Resp: 538568

Ion Ratio Lower Upper

98 100

100 62.9 51.4 77.2



#58

2-Chloroethyl Vinyl ether

Concen: 9.152 ug/l

RT: 9.94 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VW004552.D

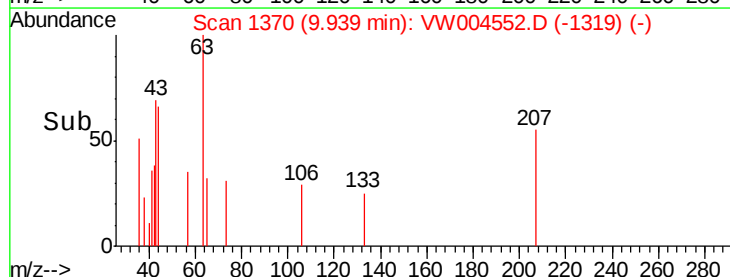
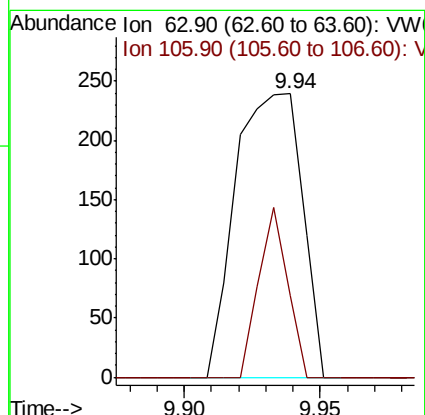
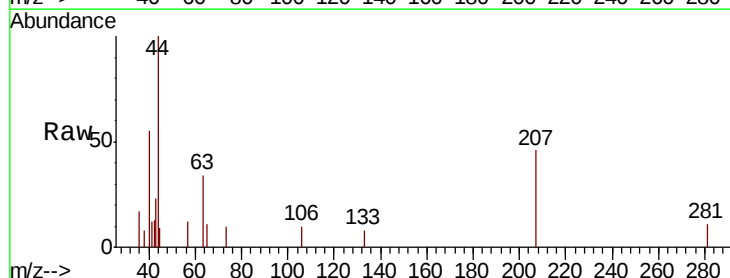
Acq: 09 Aug 2018 02:19

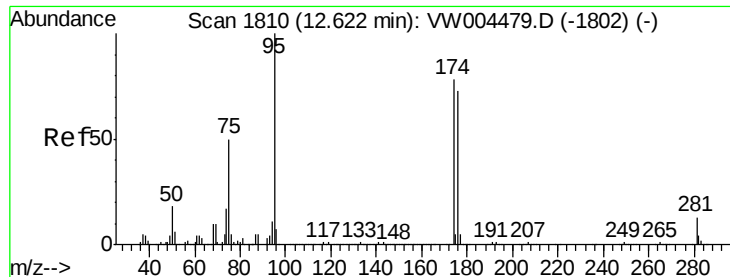
Tgt Ion: 63 Resp: 405

Ion Ratio Lower Upper

63 100

106 25.9 21.3 31.9

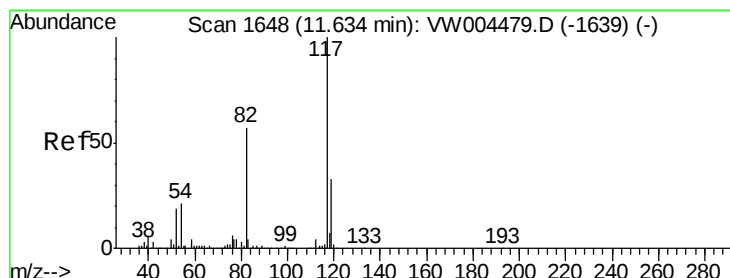
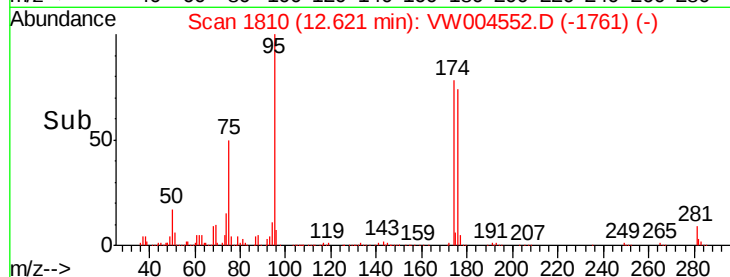
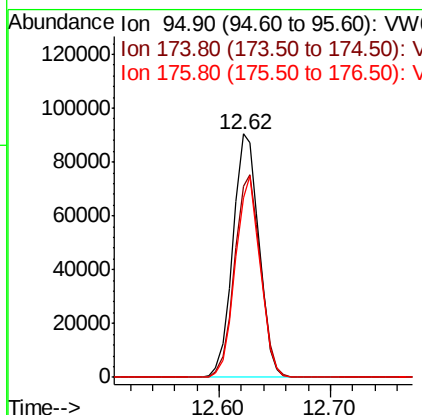
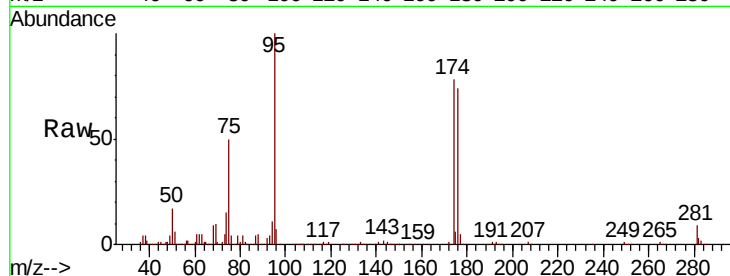




#62
4-Bromofluorobenzene
Concen: 31.193 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004552.D
Acq: 09 Aug 2018 02:19

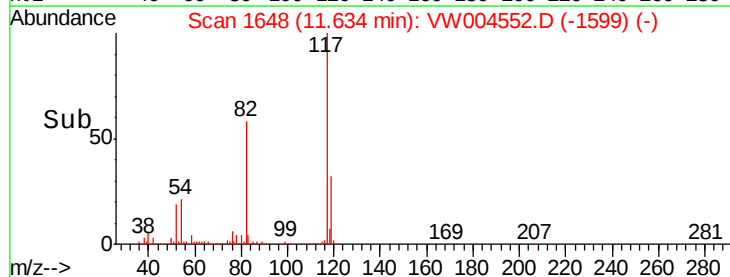
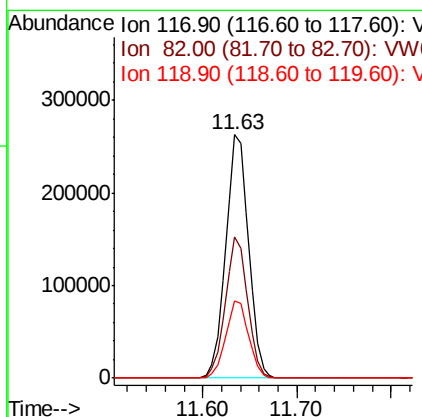
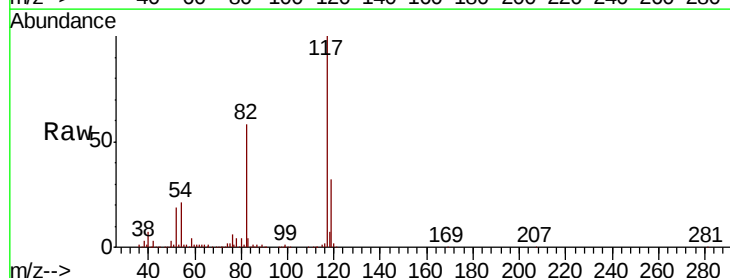
Instrument :
MSVOA_W
ClientSampleId :
CL-02-080718-B

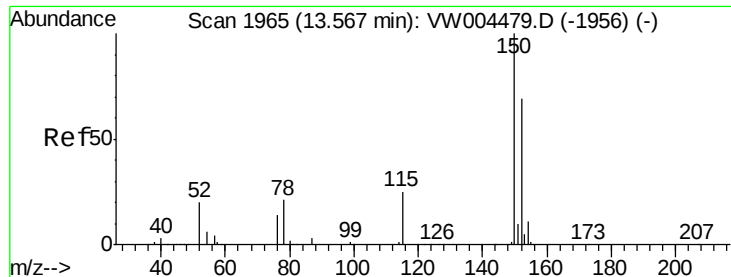
Tgt Ion: 95 Resp: 146173
Ion Ratio Lower Upper
95 100
174 82.9 0.0 160.4
176 78.6 0.0 153.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004552.D
Acq: 09 Aug 2018 02:19

Tgt Ion: 117 Resp: 440222
Ion Ratio Lower Upper
117 100
82 58.1 45.3 67.9
119 31.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-B

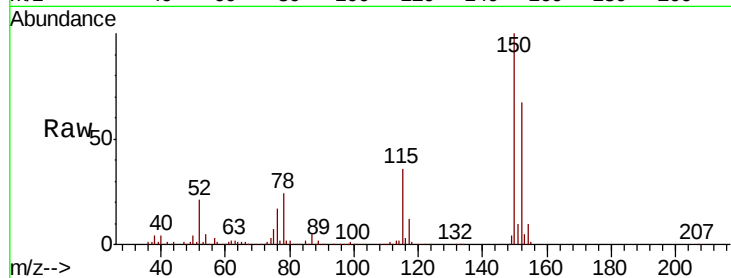
Tgt Ion:152 Resp: 144788

Ion Ratio Lower Upper

152 100

115 56.3 29.1 87.3

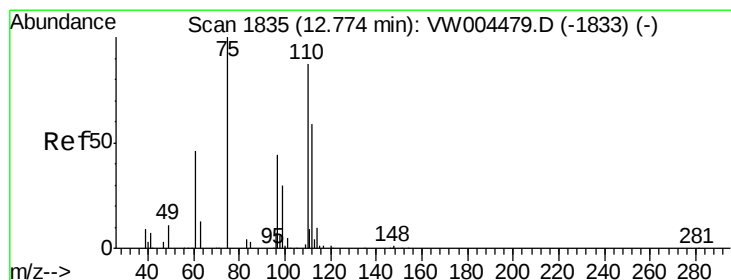
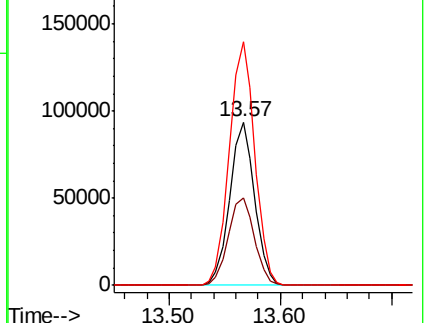
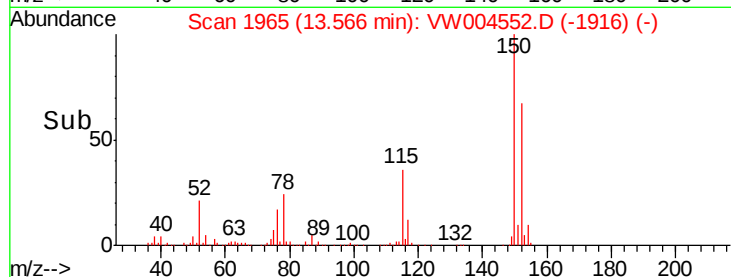
150 152.1 0.0 349.6



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: 47.125 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004552.D

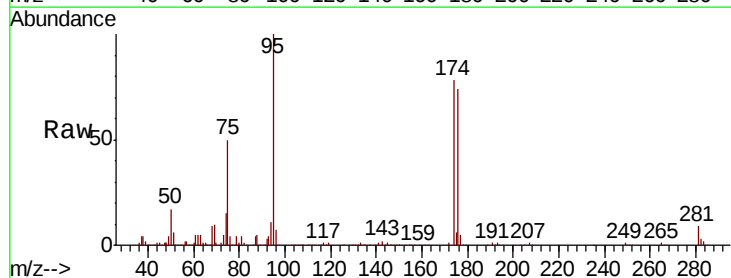
Acq: 09 Aug 2018 02:19

Tgt Ion: 75 Resp: 70604

Ion Ratio Lower Upper

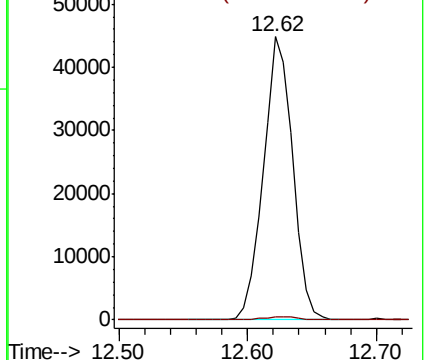
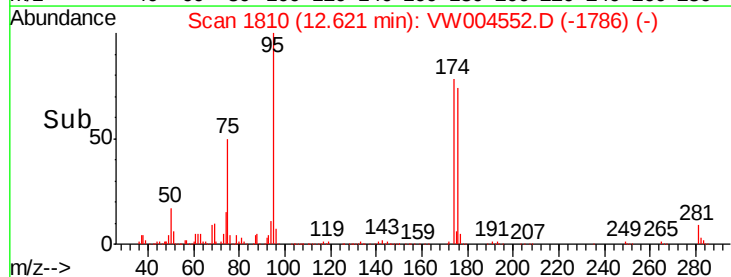
75 100

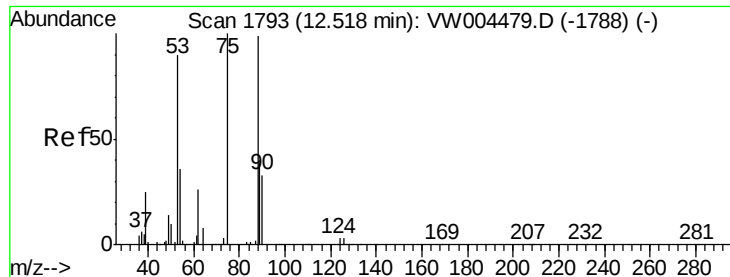
77 1.4 0.0 0.0#



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: 112.810 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

CL-02-080718-B

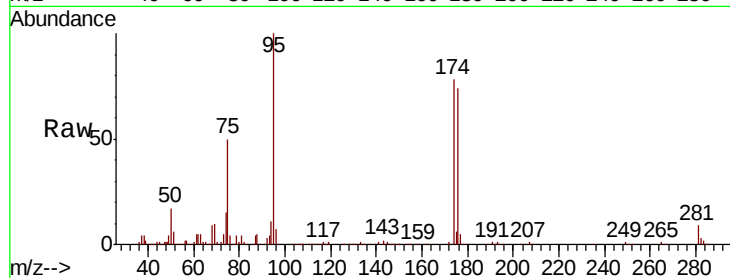
Tgt Ion: 75 Resp: 70604

Ion Ratio Lower Upper

75 100

53 0.4 74.4 111.6#

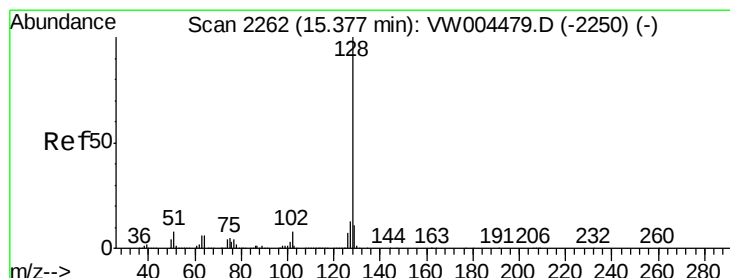
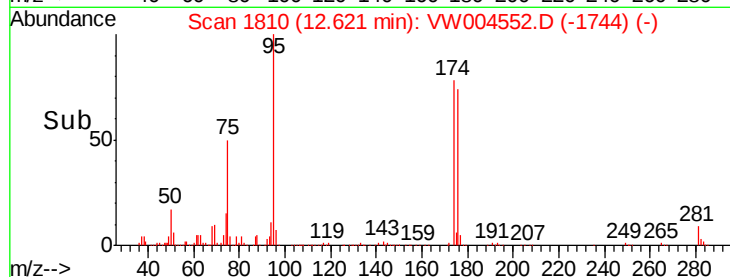
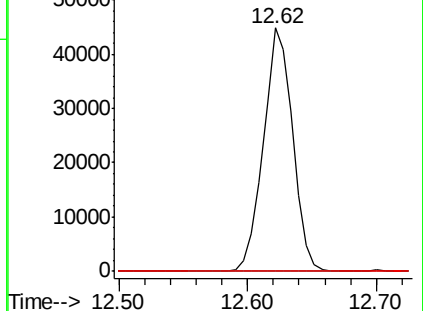
89 0.0 35.9 53.9#



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



#95

Naphthalene

Concen: 3.053 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004552.D

Acq: 09 Aug 2018 02:19

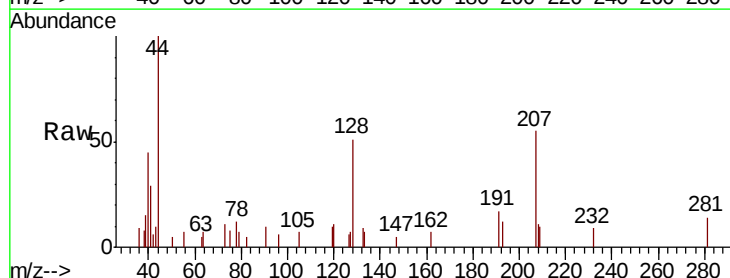
Tgt Ion: 128 Resp: 947

Ion Ratio Lower Upper

128 100

127 20.6 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

