

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010857.D
 Acq On : 19 Jun 2019 18:13
 Operator : SY/VA
 Sample : K3157-09RE
 Misc : 5.78G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-061719-ERE

Quant Time: Jun 20 05:49:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	235842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63430	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	128209	56.96	ug/l	0.00
Spiked Amount			Recovery	=	113.92%	
35) Dibromofluoromethane	7.88	113	89307	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.32	98	311321	39.21	ug/l	0.00
Spiked Amount			Recovery	=	78.42%	
62) 4-Bromofluorobenzene	12.62	95	85253	29.51	ug/l	0.00
Spiked Amount			Recovery	=	59.02%	

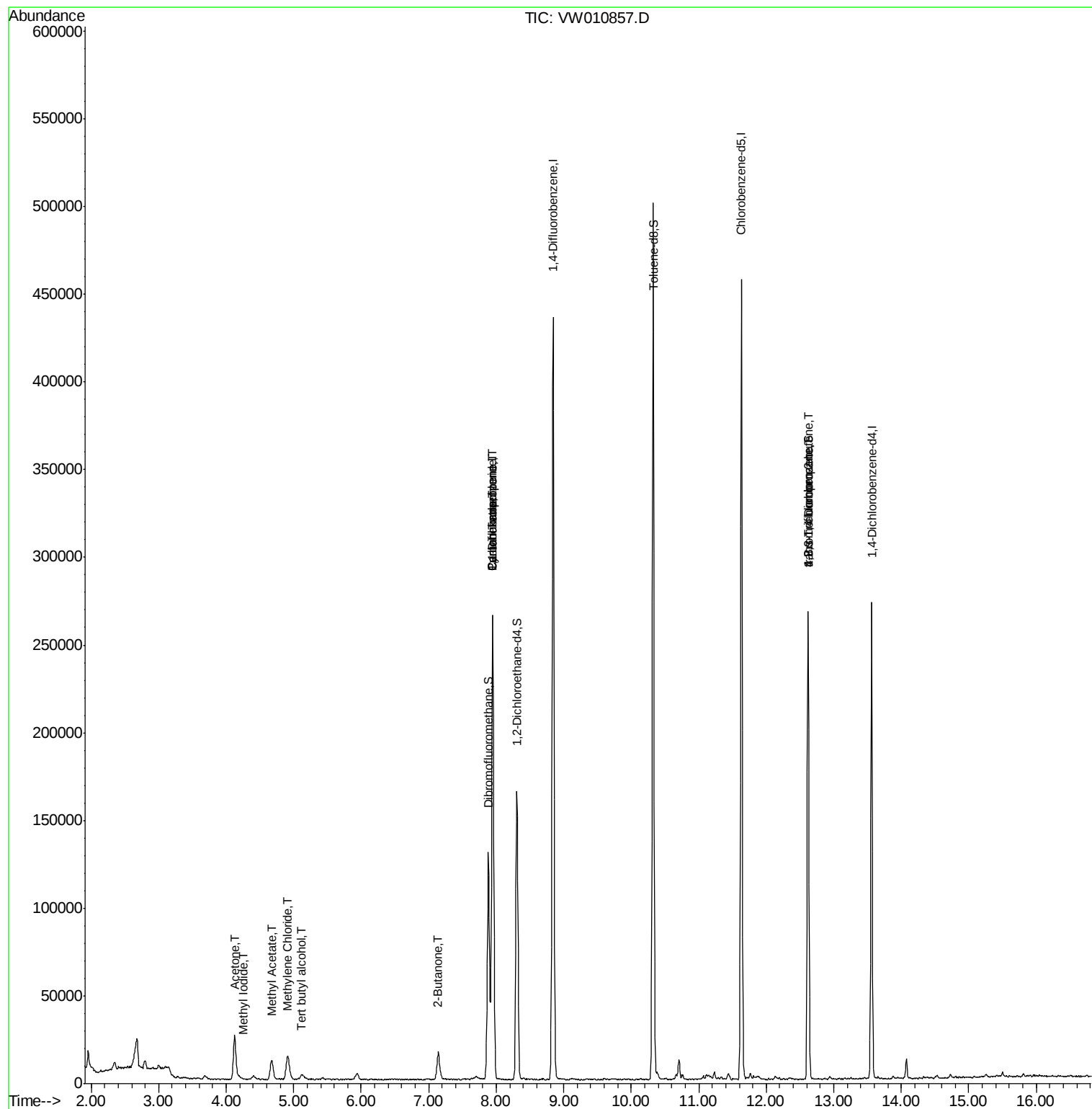
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	98	4.843	ug/l #	41
11) Tert butyl alcohol	5.12	59	3302	18.007	ug/l #	72
16) Acetone	4.12	43	47359	78.525	ug/l	95
18) Methyl Acetate	4.67	43	23632	18.203	ug/l	96
20) Methylene Chloride	4.92	84	9786	4.625	ug/l	99
25) 2-Butanone	7.14	43	2031	2.429	ug/l #	53
31) Cyclohexane	7.94	56	5175	1.140	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	17304	5.068	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19130	6.490	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	45862	68.851	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45862	158.243	ug/l #	5

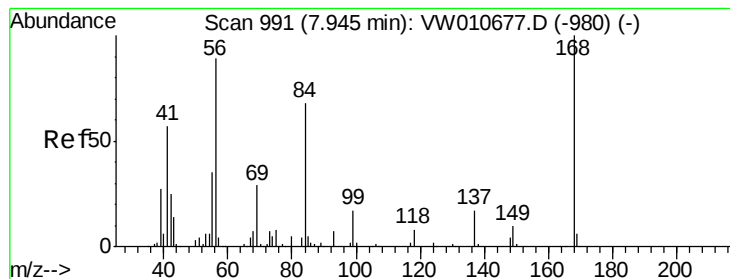
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

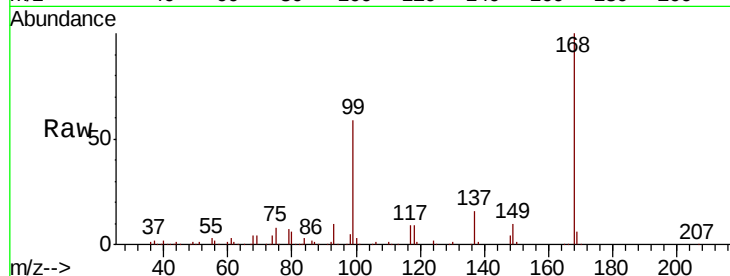
CL-01-061719-ERE

Tot Ion:168 Resp: 190963

Ion Ratio Lower Upper

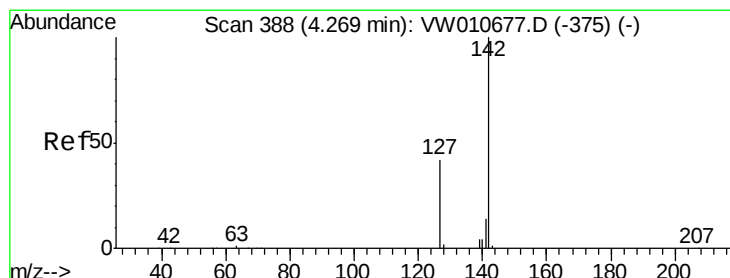
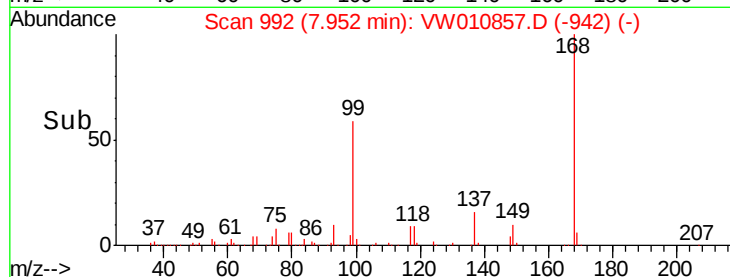
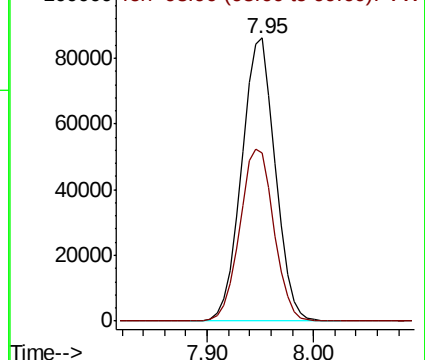
168 100

99 59.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 4.843 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

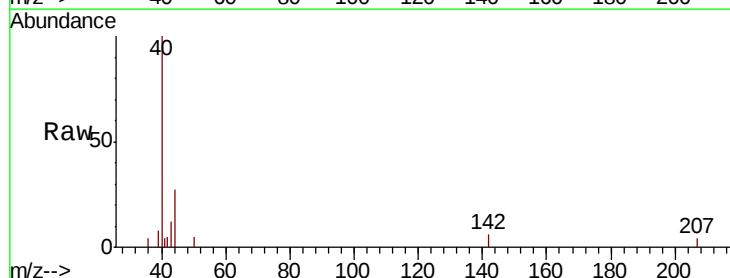
Tgt Ion:142 Resp: 98

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

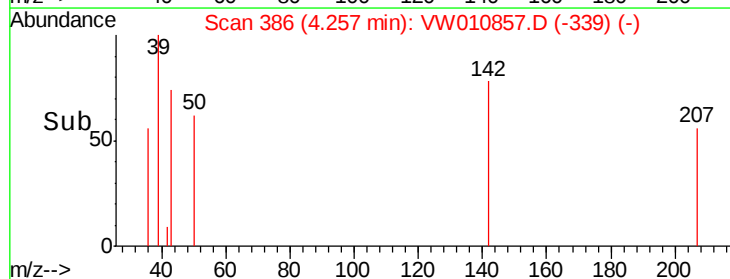
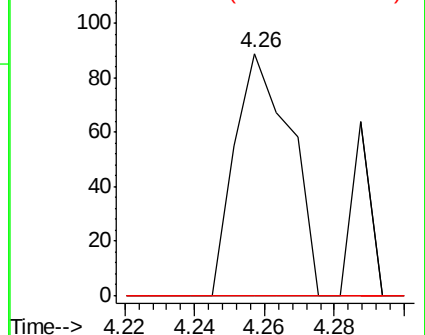
141 0.0 11.6 17.4#

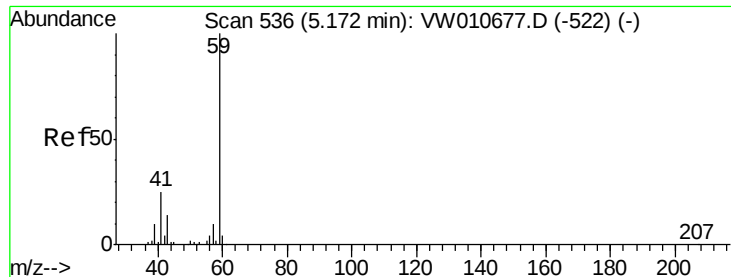


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

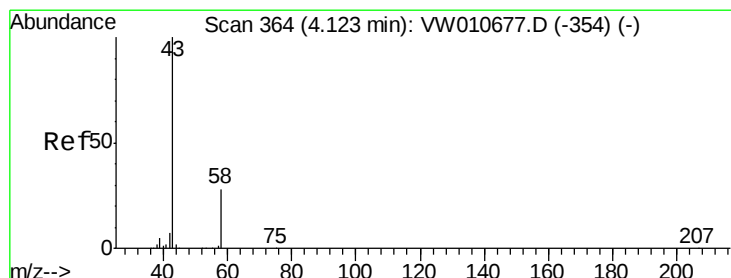
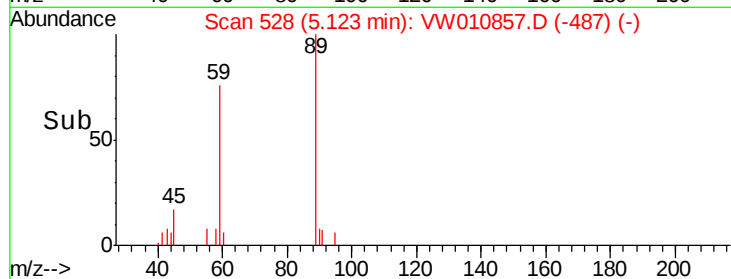
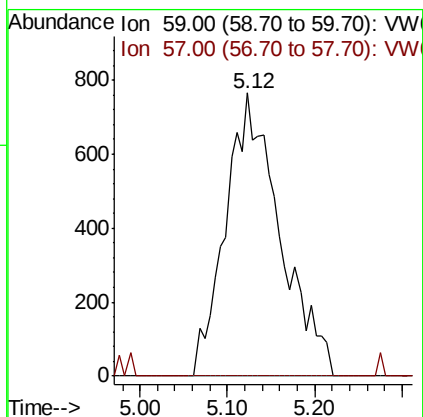
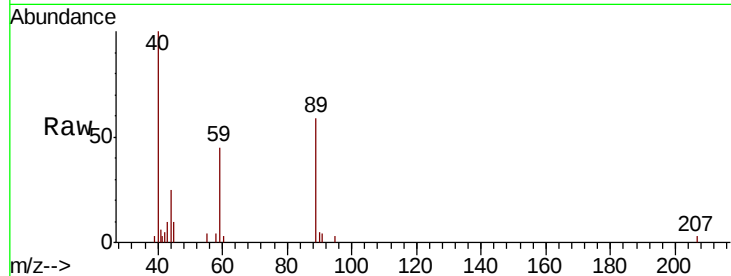




#11
Tert butyl alcohol
Concen: 18.007 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: VW010857.D
Acq: 19 Jun 2019 18:13

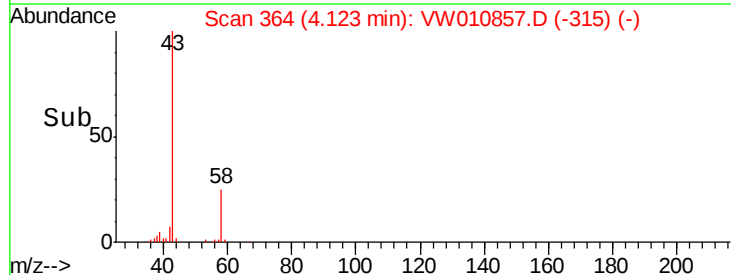
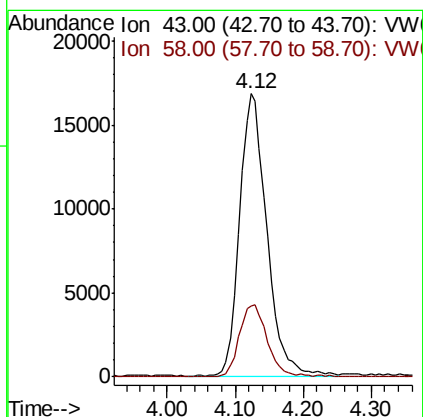
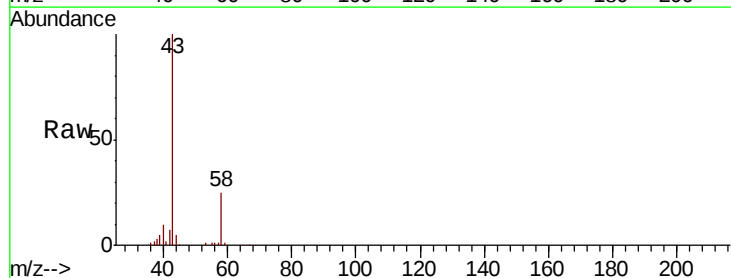
Instrument :
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CL-01-061719-ERE

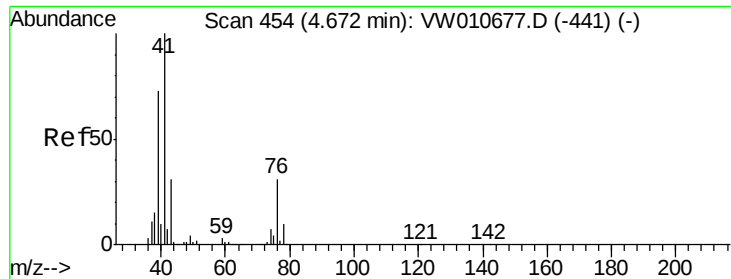
Tot Ion: 59 Resp: 3302
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 78.525 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW010857.D
Acq: 19 Jun 2019 18:13

Tgt Ion: 43 Resp: 47359
Ion Ratio Lower Upper
43 100
58 25.1 22.1 33.1

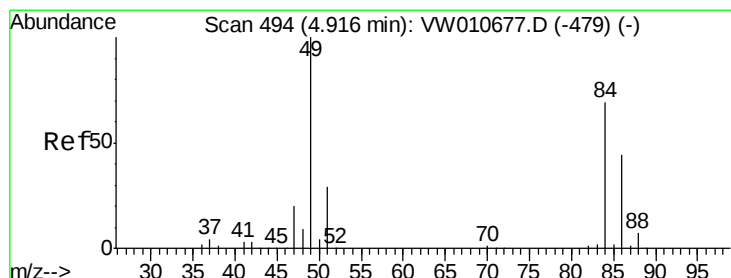
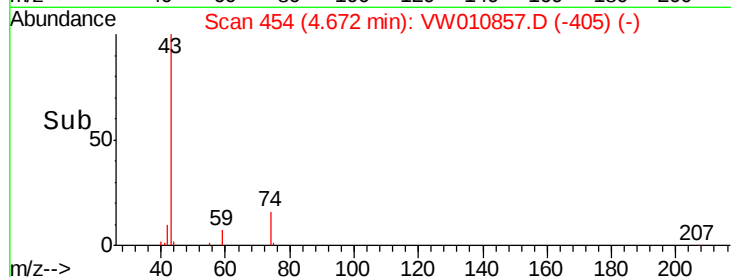
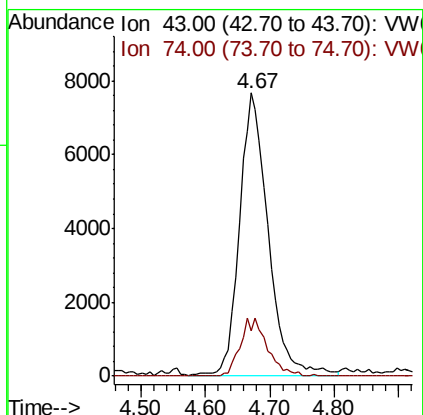
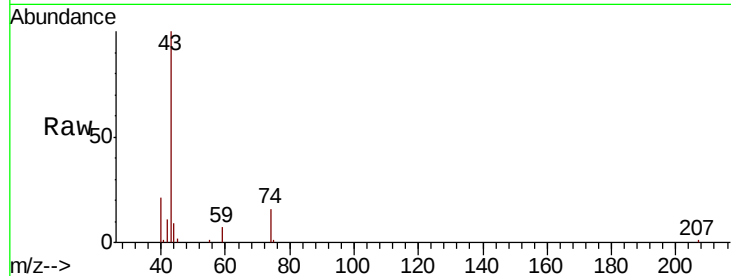




#18
Methyl Acetate
Concen: 18.203 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010857.D
Acq: 19 Jun 2019 18:13

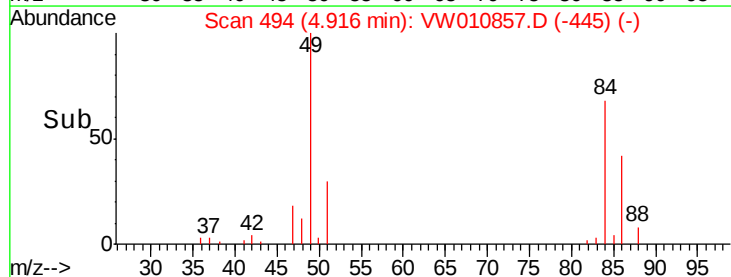
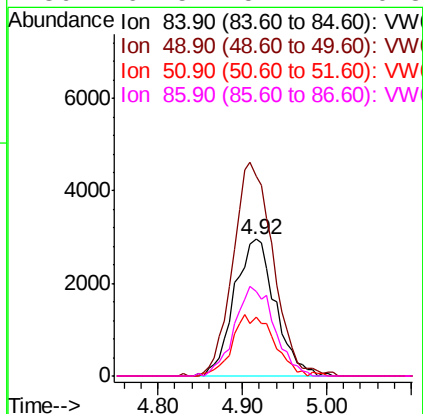
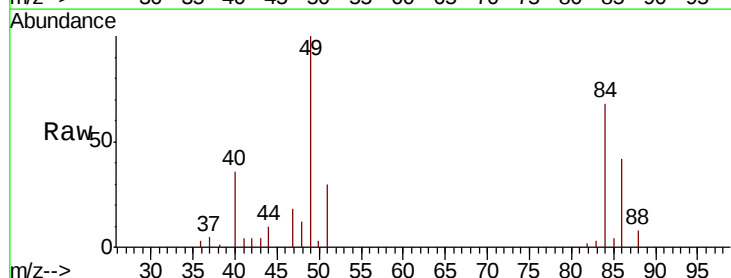
Instrument :
MSVOA_W
ClientSampleId :
CL-01-061719-ERE

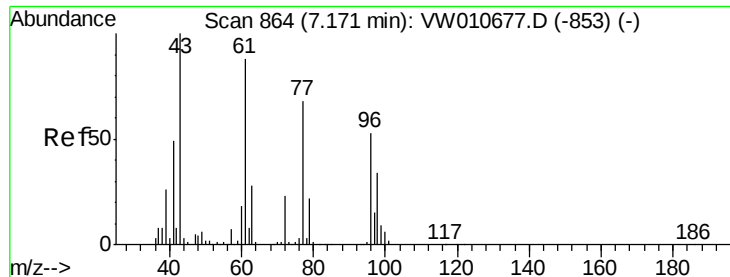
Tot Ion: 43 Resp: 23632
Ion Ratio Lower Upper
43 100
74 19.0 16.7 25.1



#20
Methylene Chloride
Concen: 4.625 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010857.D
Acq: 19 Jun 2019 18:13

Tgt Ion: 84 Resp: 9786
Ion Ratio Lower Upper
84 100
49 146.3 116.7 175.1
51 43.2 34.2 51.2
86 61.5 51.2 76.8





#25

2-Butanone

Concen: 2.429 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

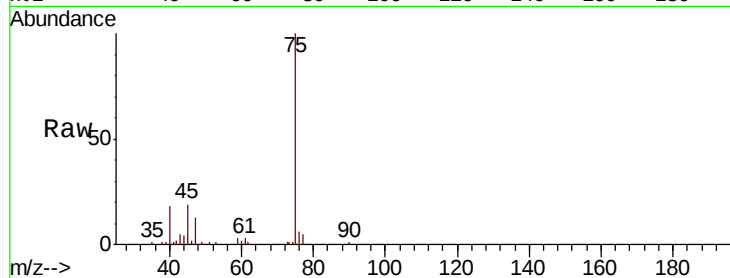
CL-01-061719-ERE

Tot Ion: 43 Resp: 2031

Ion Ratio Lower Upper

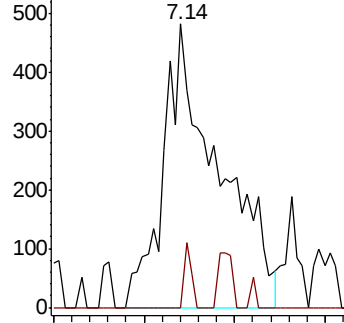
43 100

72 0.0 18.1 27.1#

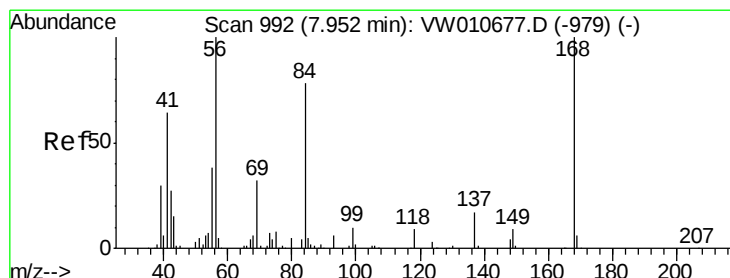
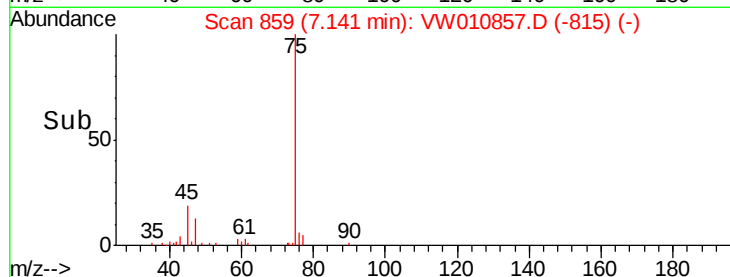


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#31

Cyclohexane

Concen: 1.140 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

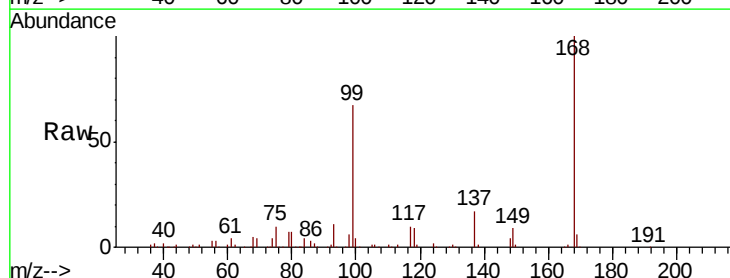
Tgt Ion: 56 Resp: 5175

Ion Ratio Lower Upper

56 100

69 141.3 25.2 37.8#

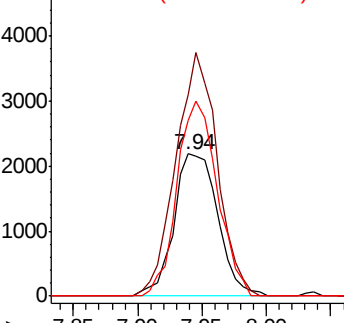
84 124.1 62.2 93.2#



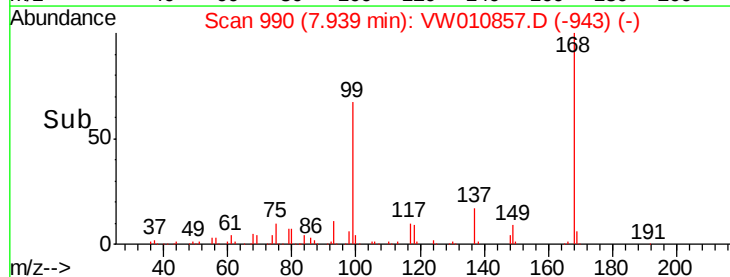
Abundance Ion 56.00 (55.70 to 56.70): VW

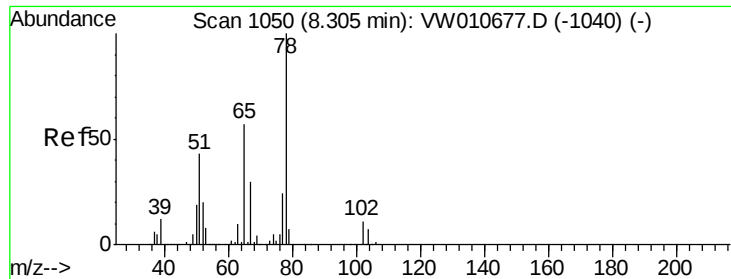
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.961 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

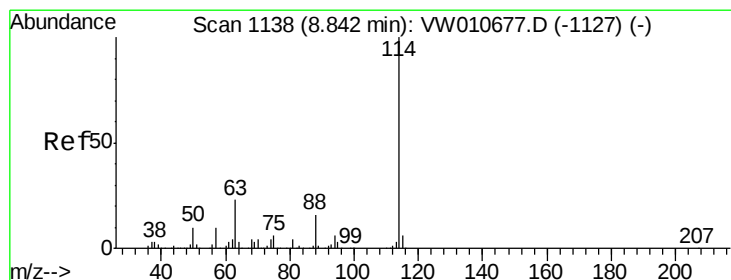
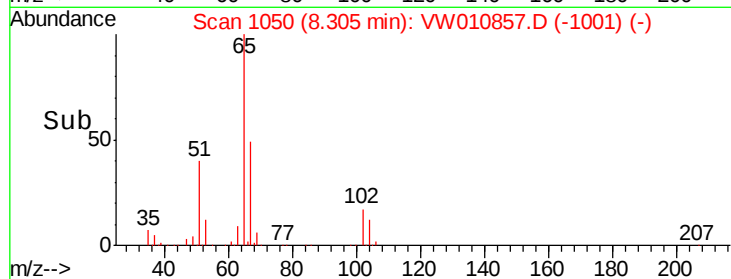
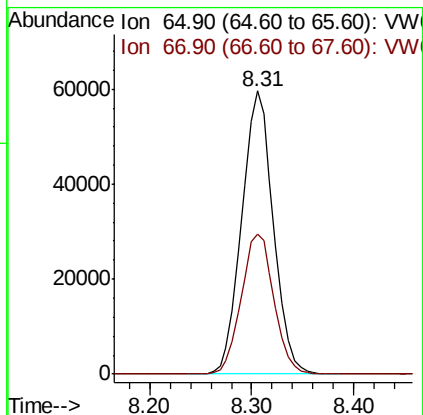
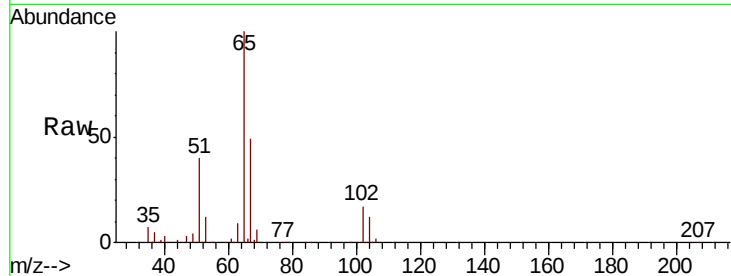
CL-01-061719-ERE

Tot Ion: 65 Resp: 128209

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

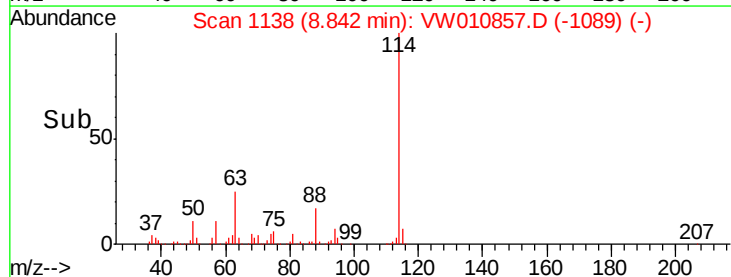
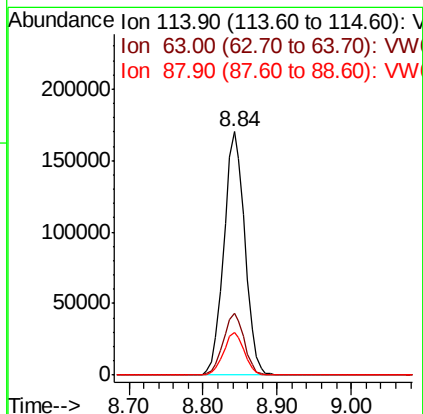
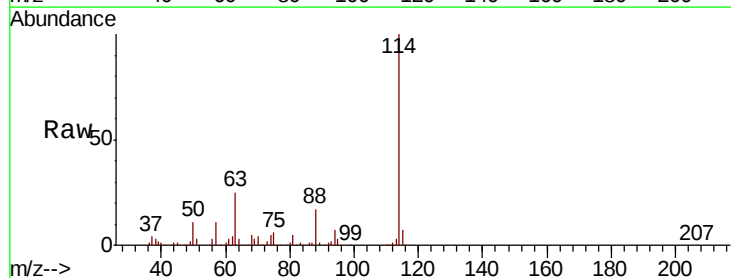
Tgt Ion: 114 Resp: 333585

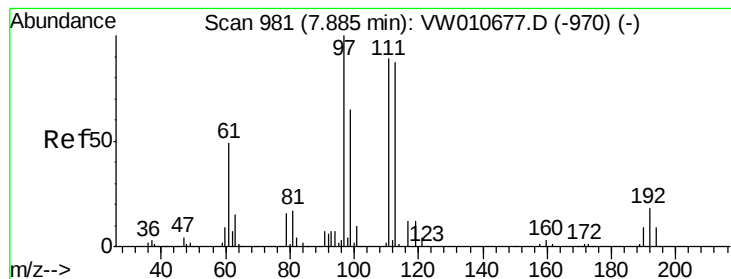
Ion Ratio Lower Upper

114 100

63 25.2 0.0 46.4

88 17.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.324 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

Instrument :

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ClientSampleId :

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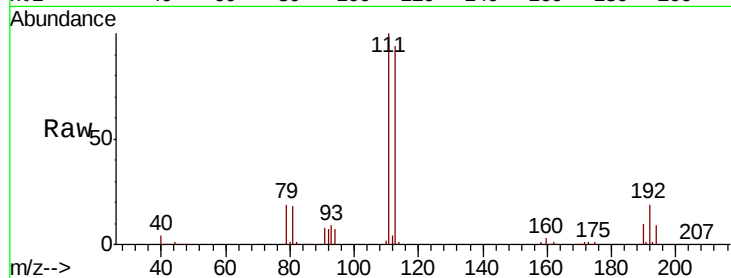
Tot Ion:113 Resp: 89307

Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

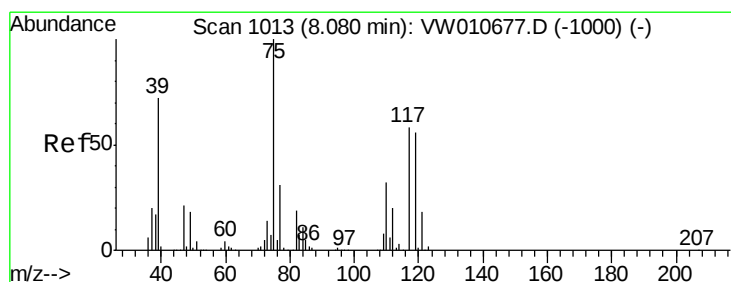
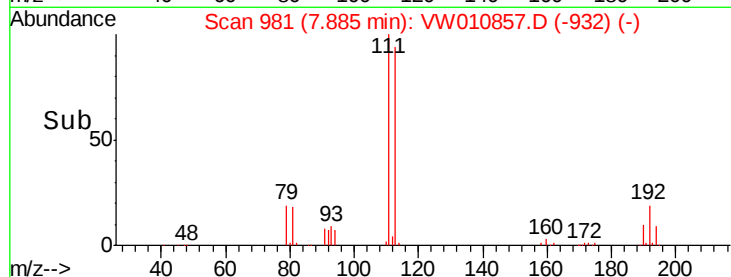
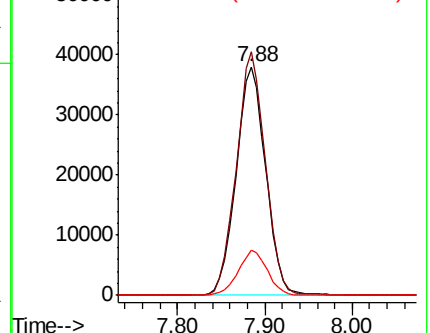
192 19.3 16.4 24.6



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: 5.068 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

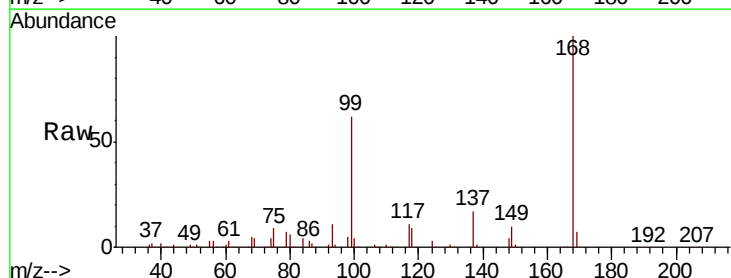
Tgt Ion: 75 Resp: 17304

Ion Ratio Lower Upper

75 100

110 8.5 15.8 47.3#

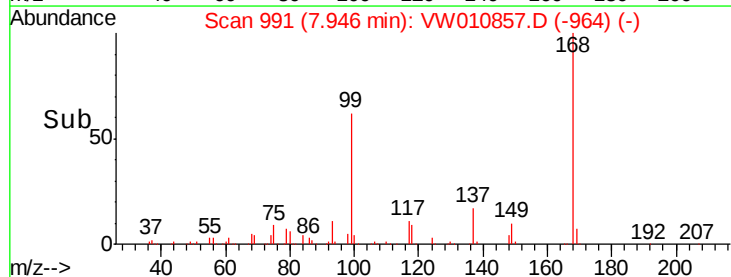
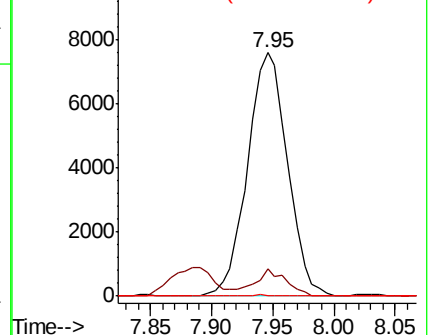
77 0.1 24.7 37.1#

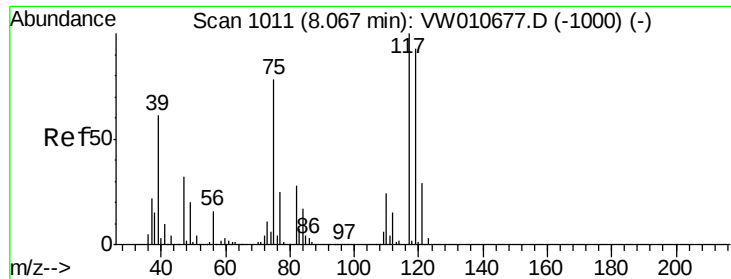


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.490 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

Instrument :

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ClientSampleId :

CL-01-061719-ERE

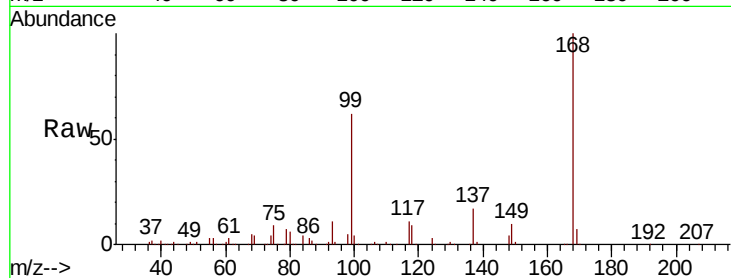
Tot Ion:117 Resp: 19130

Ion Ratio Lower Upper

117 100

119 4.7 74.2 111.4#

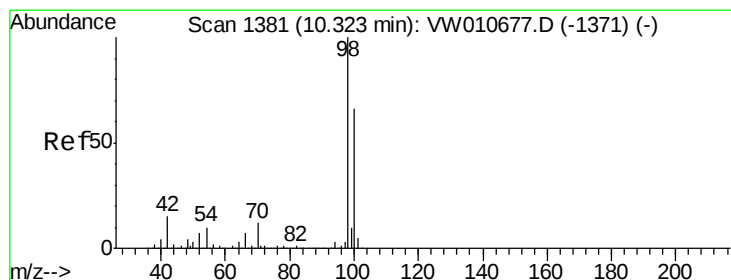
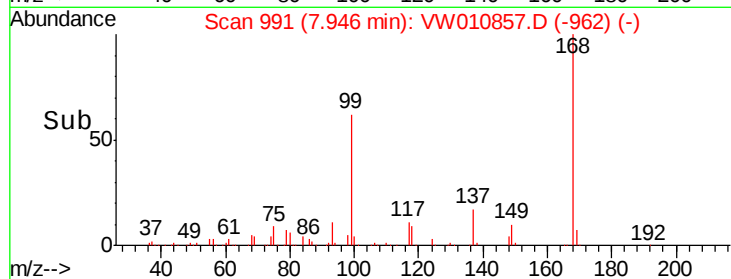
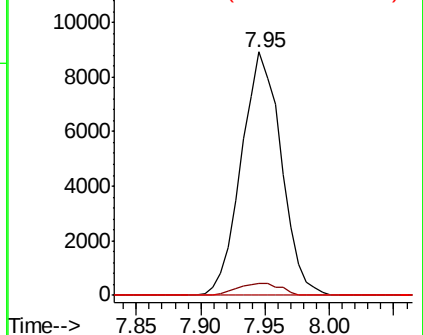
121 0.0 22.9 34.3#



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: 39.210 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010857.D

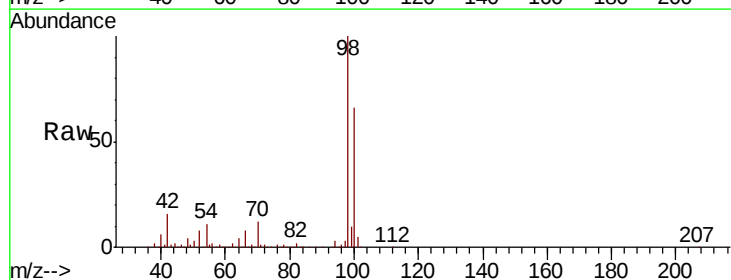
Acq: 19 Jun 2019 18:13

Tgt Ion: 98 Resp: 311321

Ion Ratio Lower Upper

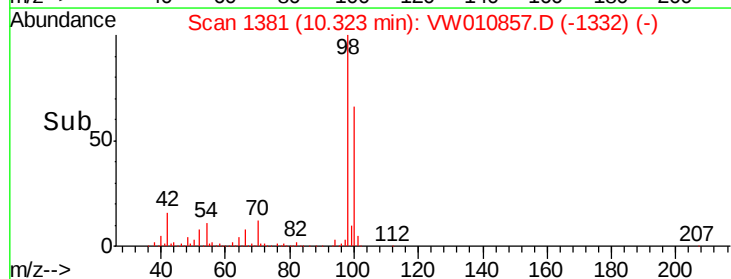
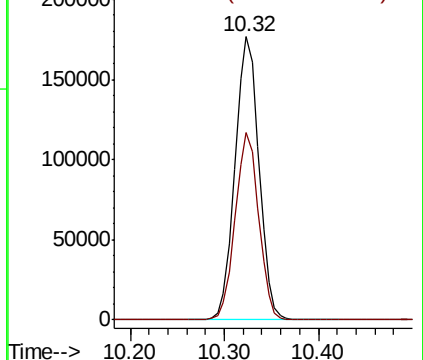
98 100

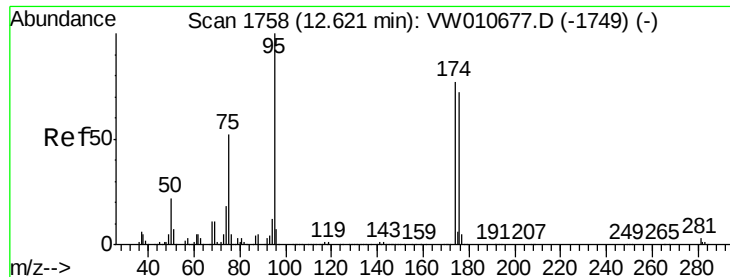
100 65.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

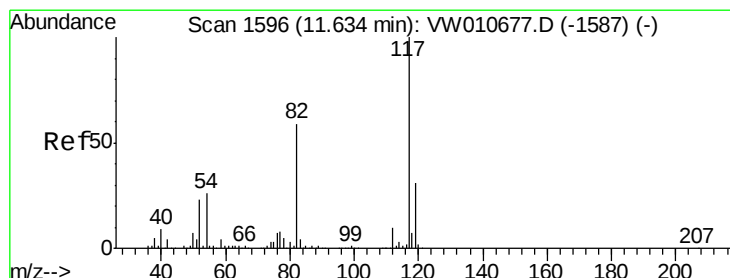
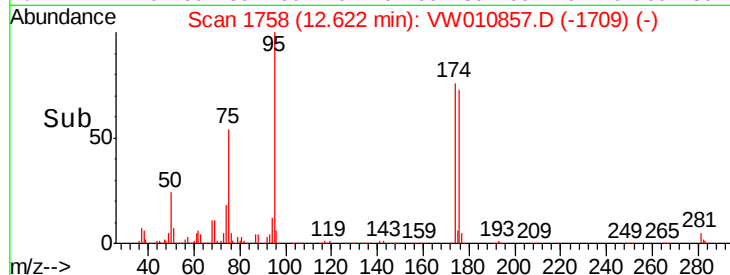
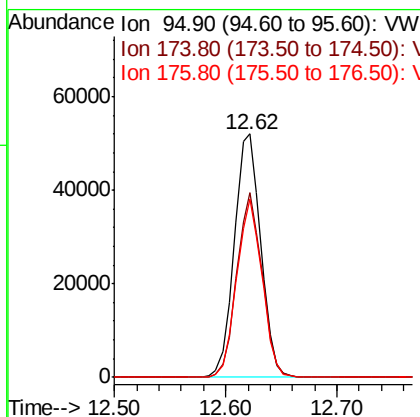
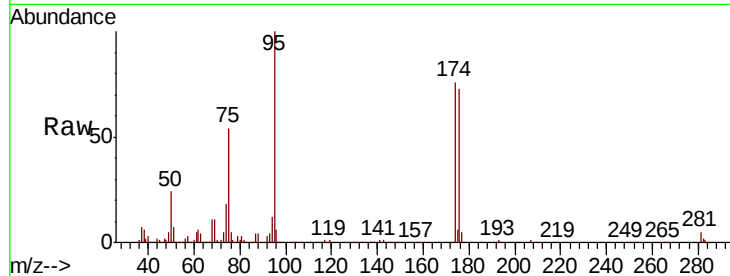




#62
4-Bromofluorobenzene
Concen: 29.508 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010857.D
Acq: 19 Jun 2019 18:13

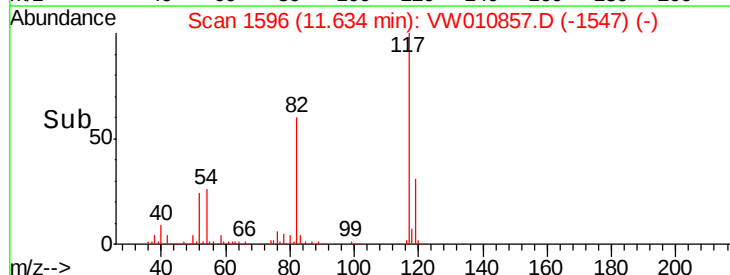
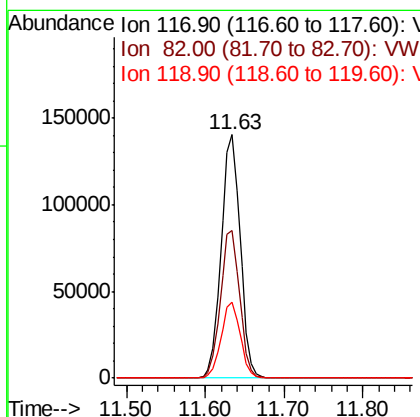
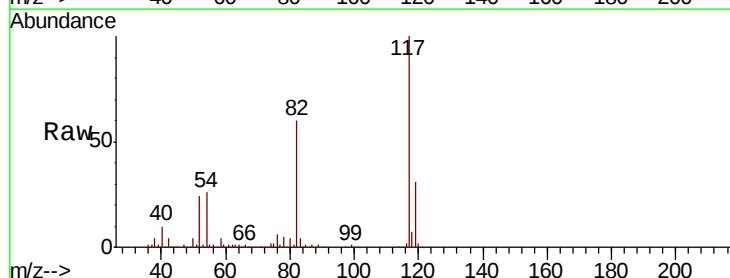
Instrument :
MSVOA_W
ClientSampleId :
CL-01-061719-ERE

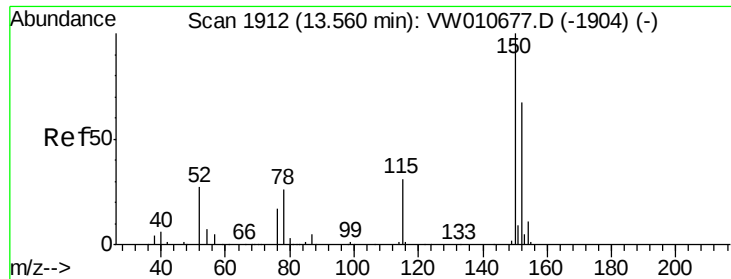
Tot Ion: 95 Resp: 85253
Ion Ratio Lower Upper
95 100
174 72.9 0.0 150.4
176 70.3 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010857.D
Acq: 19 Jun 2019 18:13

Tgt Ion: 117 Resp: 235842
Ion Ratio Lower Upper
117 100
82 60.4 47.0 70.4
119 31.5 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

CL-01-061719-ERE

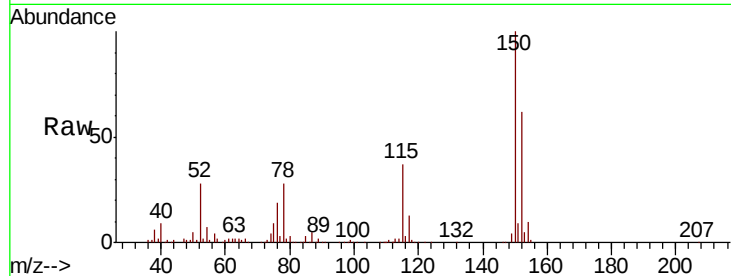
Tot Ion:152 Resp: 63430

Ion Ratio Lower Upper

152 100

115 60.6 29.8 89.3

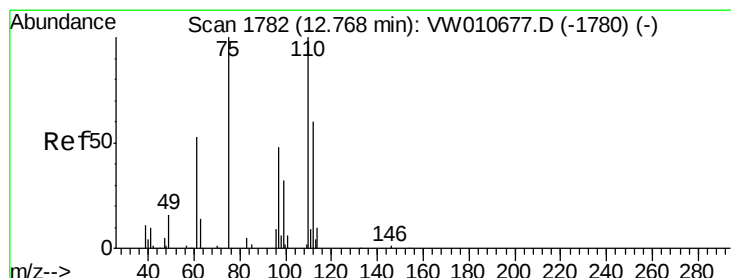
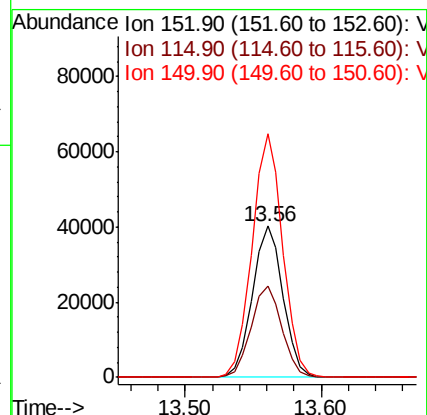
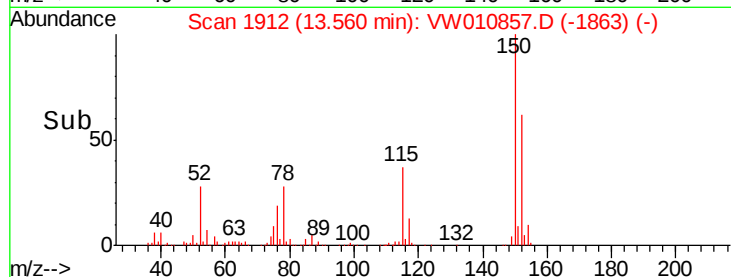
150 161.0 0.0 345.0



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: 68.851 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010857.D

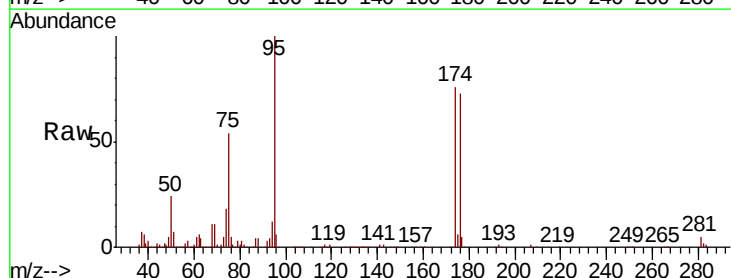
Acq: 19 Jun 2019 18:13

Tgt Ion: 75 Resp: 45862

Ion Ratio Lower Upper

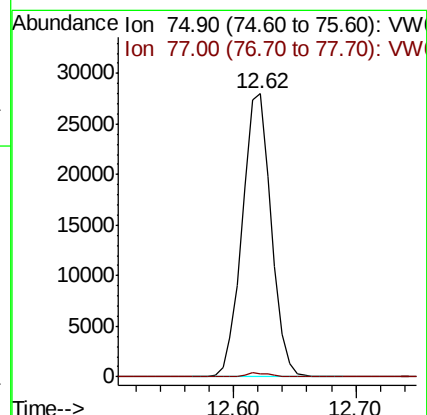
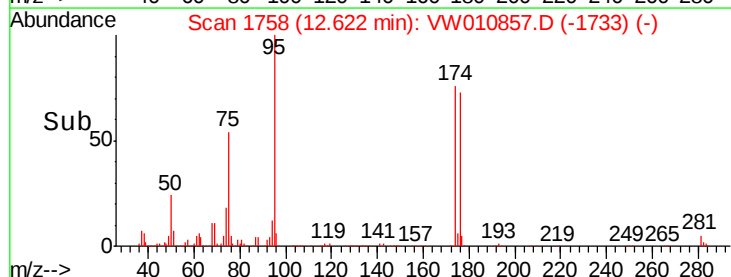
75 100

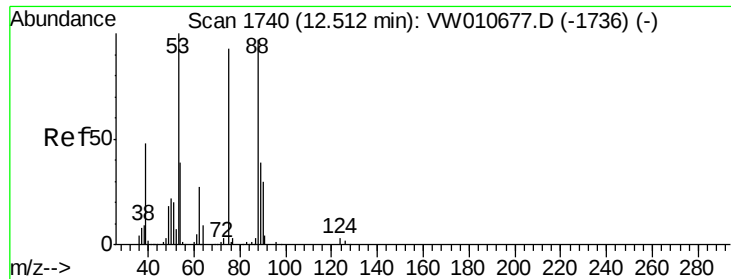
77 1.2 0.0 0.0#



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: 158.243 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010857.D

Acq: 19 Jun 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

CL-01-061719-ERE

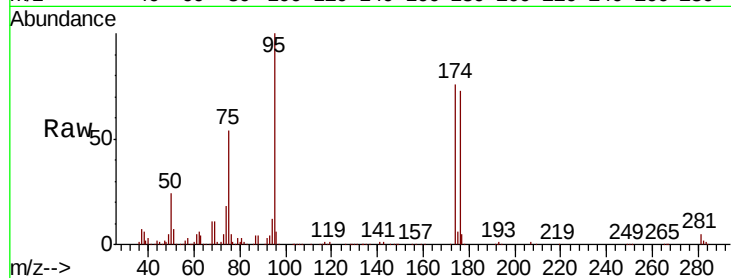
Tot Ion: 75 Resp: 45862

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.1 34.6 52.0#



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

