

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012862.D
 Acq On : 08 Oct 2019 01:43
 Operator : JC/SP
 Sample : K5232-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-056-MW02

Quant Time: Oct 08 11:16:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	92039	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	117735	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	5.49	113	89917	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	8.71	98	354627	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.14	95	118616	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	

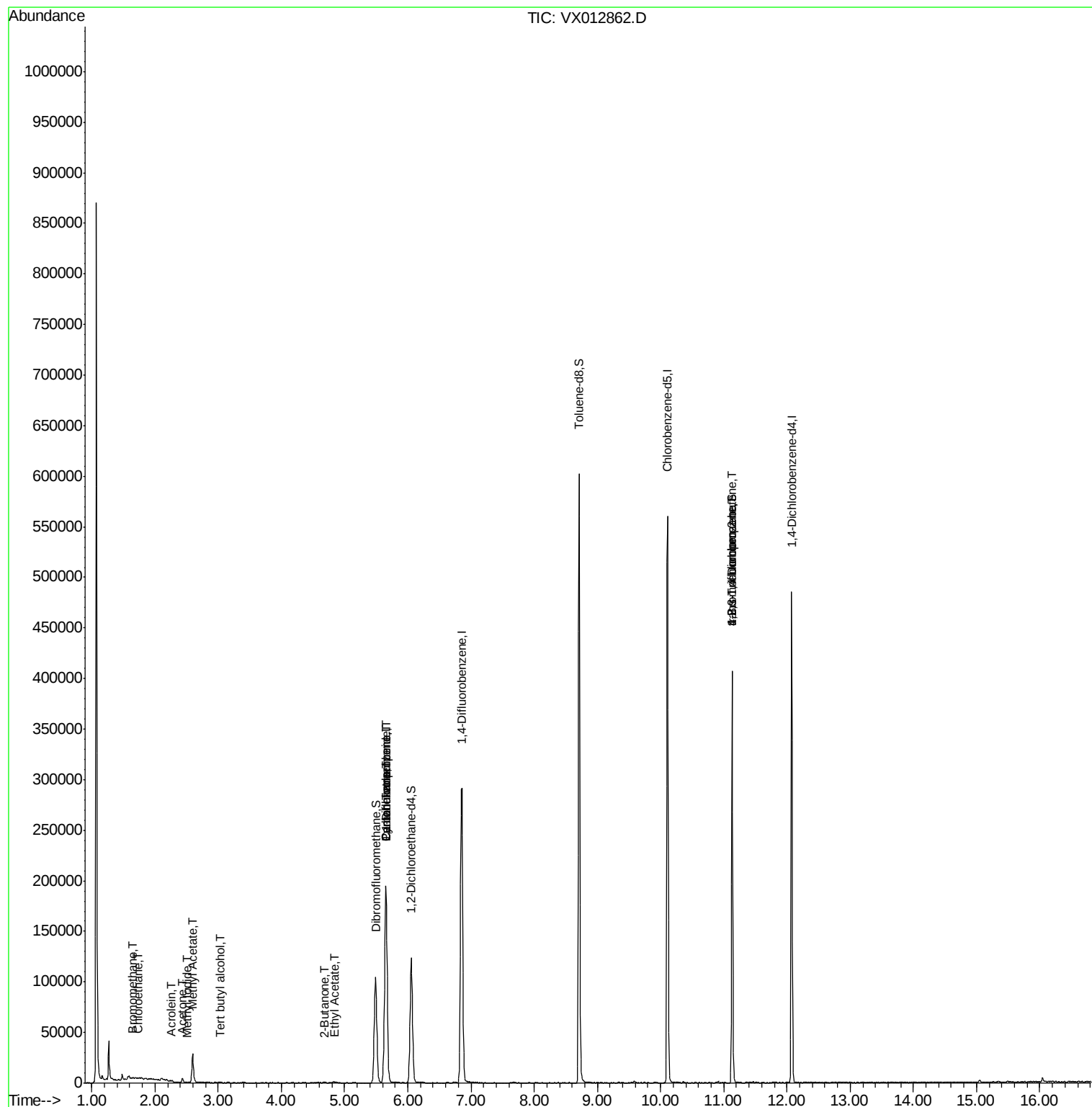
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	407	0.454	ug/l	94
6) Chloroethane	1.73	64	446	0.290	ug/l #	45
10) Methyl Iodide	2.50	142	123	5.007	ug/l #	60
11) Tert butyl alcohol	3.03	59	1082	1.675	ug/l #	80
13) Acrolein	2.26	56	47	10.358	ug/l #	1
16) Acetone	2.43	43	4312	3.149	ug/l	95
18) Methyl Acetate	2.59	43	7790	2.416	ug/l #	54
25) 2-Butanone	4.69	43	420	0.214	ug/l #	51
31) Cyclohexane	5.65	56	4031	1.120	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14631	5.051	ug/l #	52
37) Ethyl Acetate	4.84	43	1641	0.485	ug/l #	85
38) Carbon Tetrachloride	5.65	117	18392	6.250	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	58977	24.224	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	58977	69.420	ug/l #	8

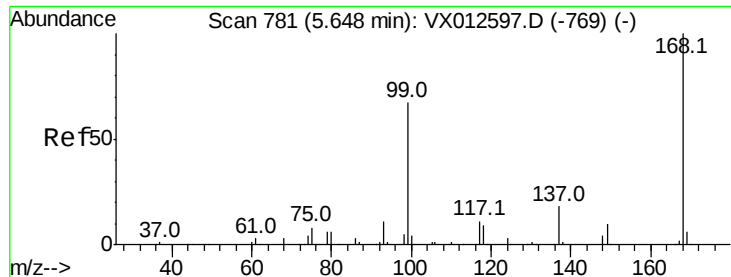
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

Instrument :

MSVOA_X

ClientSampleId :

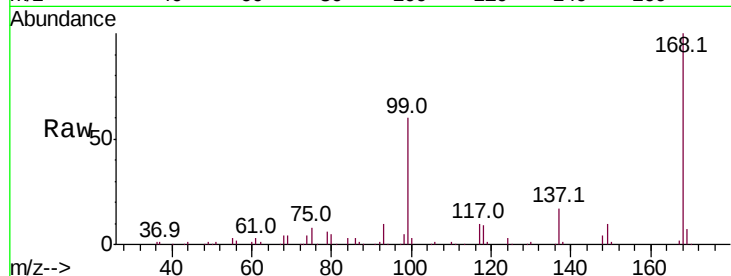
FA19-056-MW02

Tot Ion:168 Resp: 177544

Ion Ratio Lower Upper

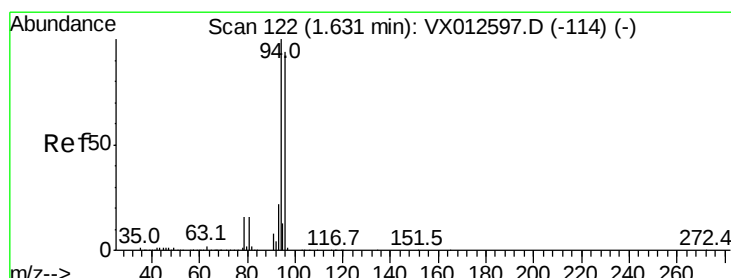
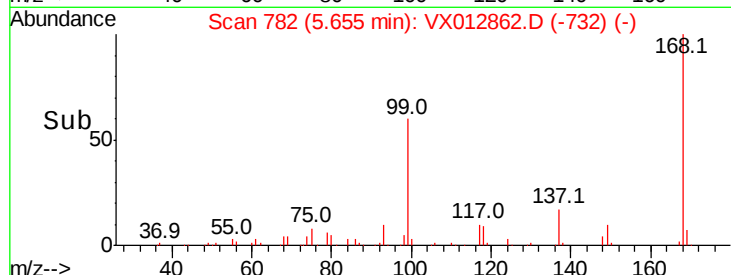
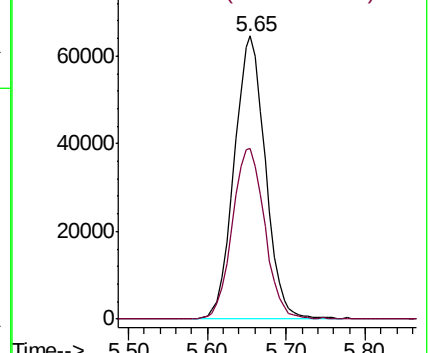
168 100

99 60.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.454 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012862.D

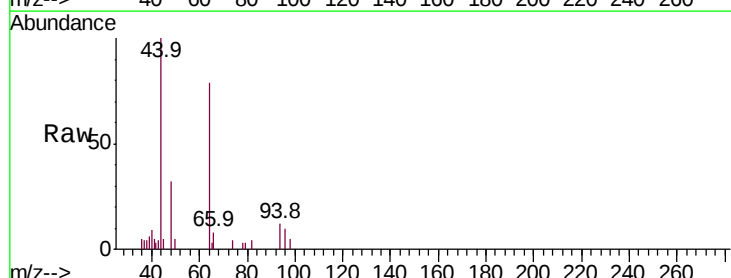
Acq: 08 Oct 2019 01:43

Tgt Ion: 94 Resp: 407

Ion Ratio Lower Upper

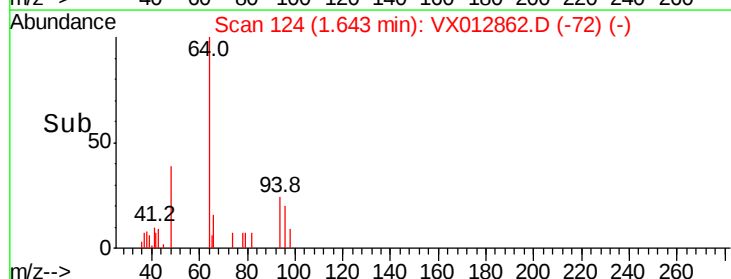
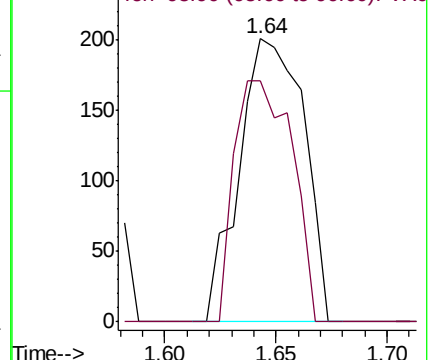
94 100

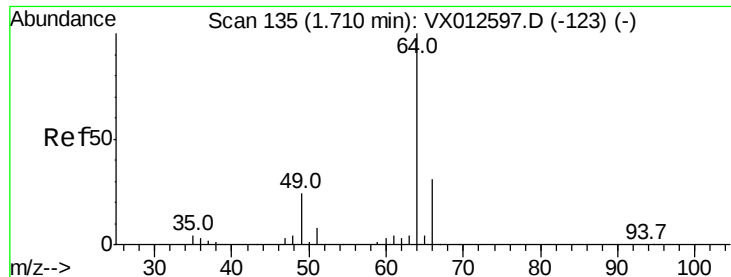
96 85.1 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.290 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

Instrument :

MSVOA_X

ClientSampleId :

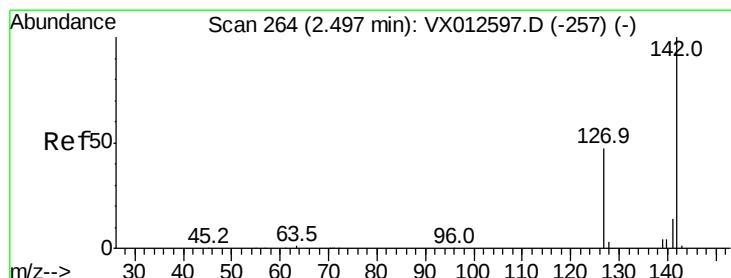
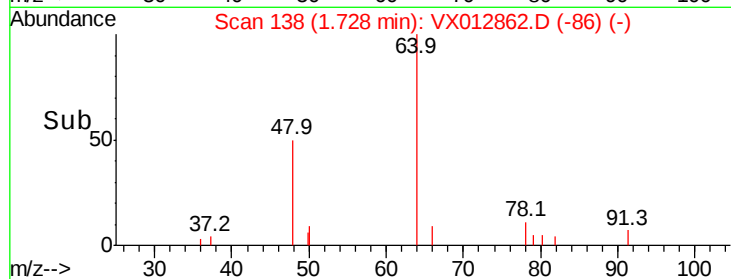
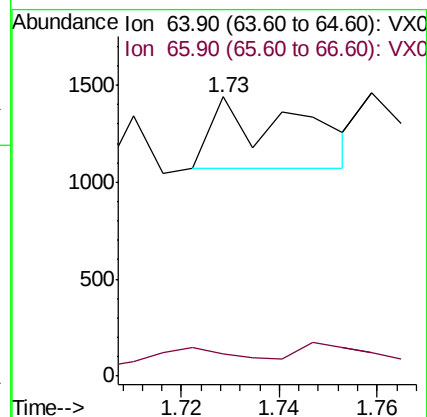
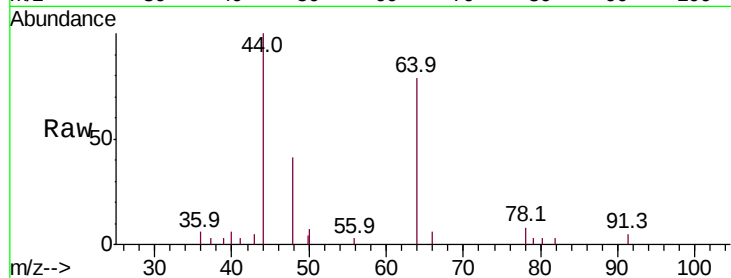
FA19-056-MW02

Tot Ion: 64 Resp: 446

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#10

Methyl Iodide

Concen: 5.007 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

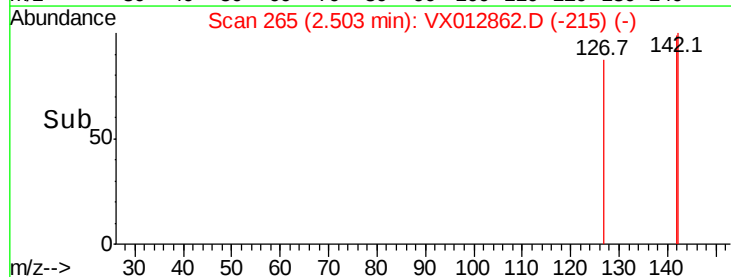
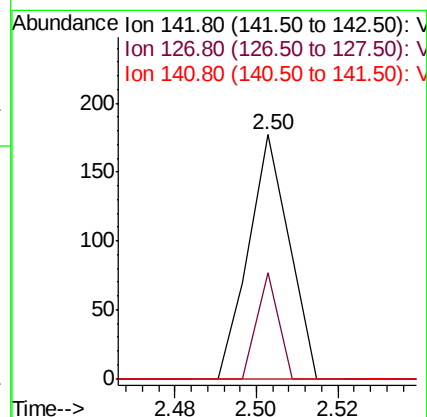
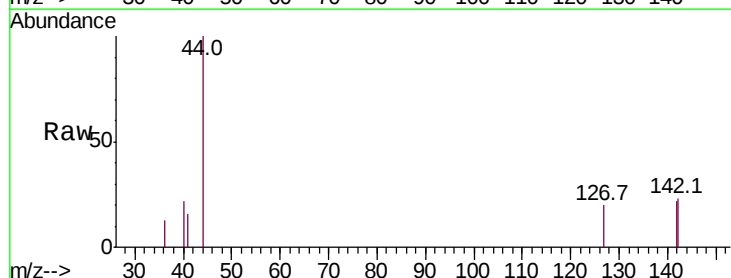
Tgt Ion: 142 Resp: 123

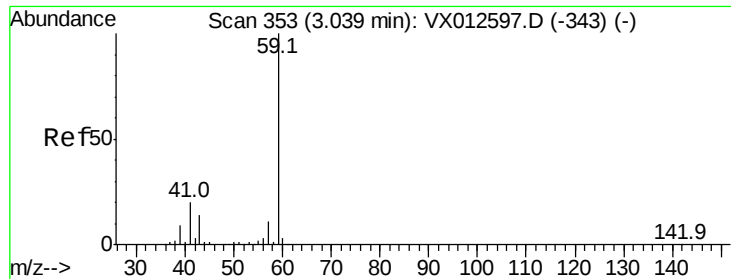
Ion Ratio Lower Upper

142 100

127 22.8 40.8 61.2#

141 0.0 12.1 18.1#

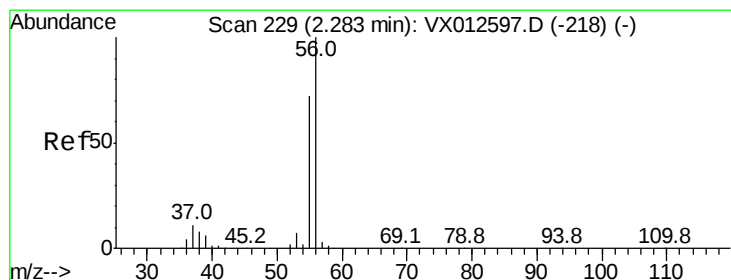
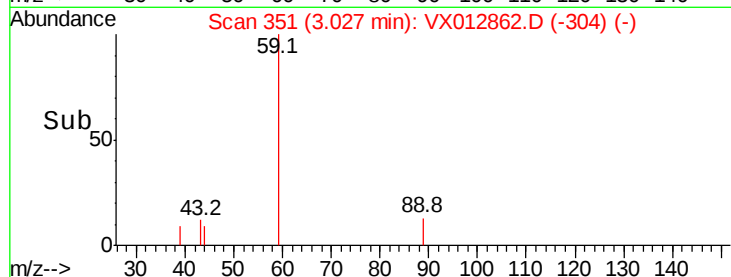
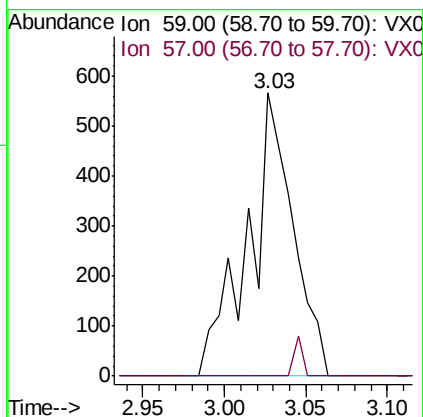
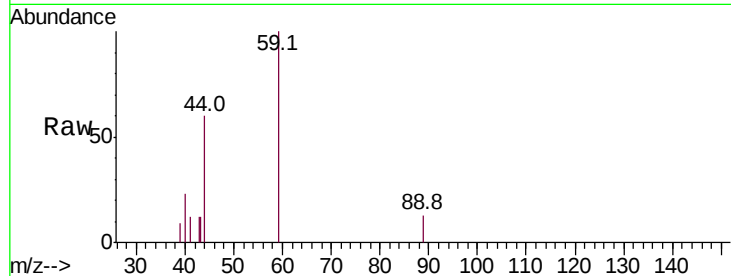




#11
Tert butyl alcohol
Concen: 1.675 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012862.D
Acq: 08 Oct 2019 01:43

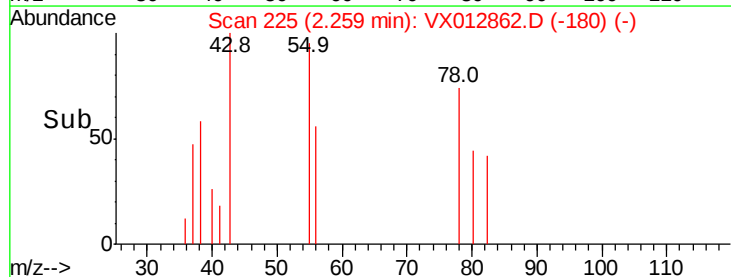
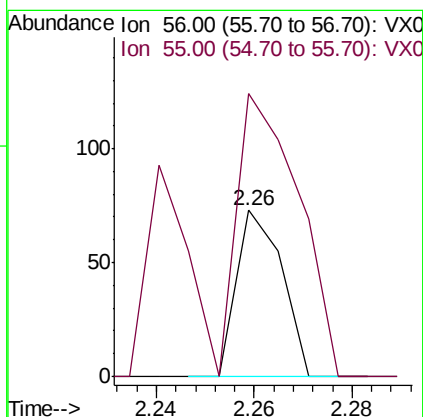
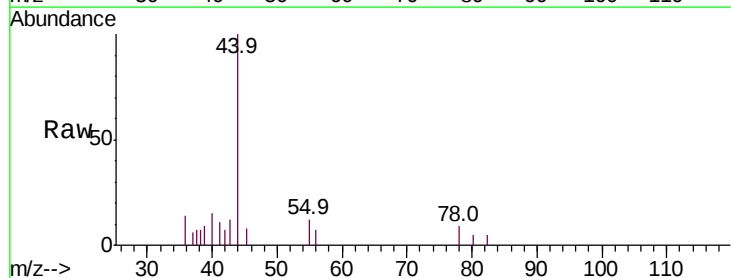
Instrument :
MSVOA_X
ClientSampleId :
FA19-056-MW02

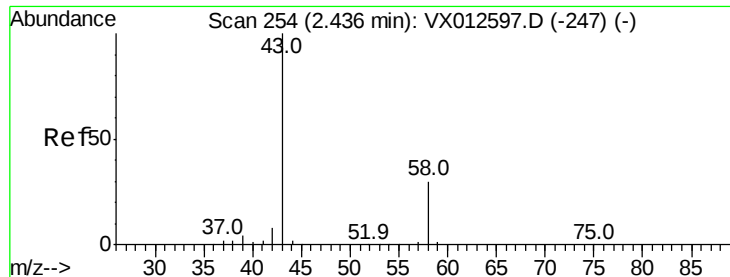
Tot Ion: 59 Resp: 1082
Ion Ratio Lower Upper
59 100
57 2.8 8.3 12.5#



#13
Acrolein
Concen: 10.358 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.02 min
Lab File: VX012862.D
Acq: 08 Oct 2019 01:43

Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 231.9 55.8 83.8#





#16

Acetone

Concen: 3.149 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

Instrument :

MSVOA_X

ClientSampleId :

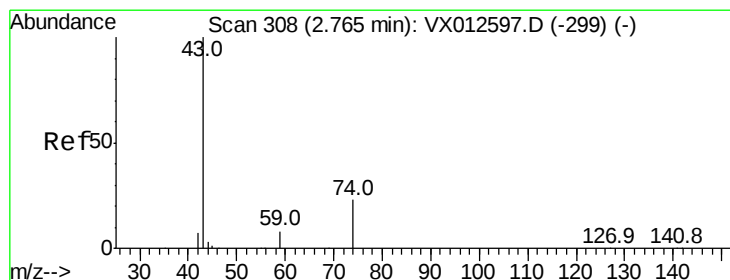
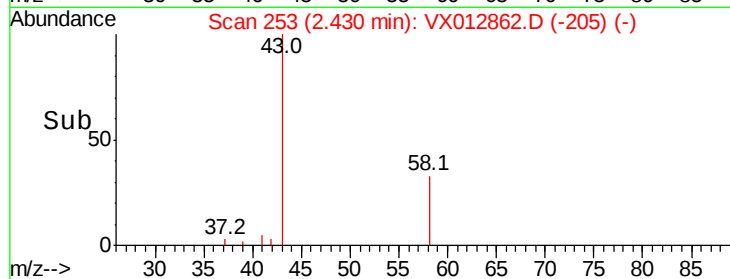
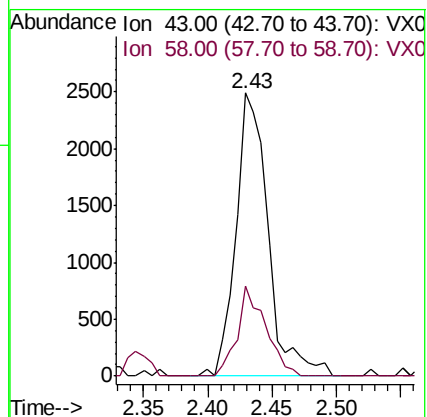
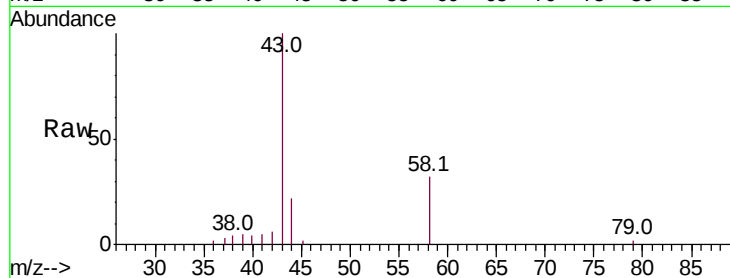
FA19-056-MW02

Tot Ion: 43 Resp: 4312

Ion Ratio Lower Upper

43 100

58 32.0 23.3 34.9



#18

Methyl Acetate

Concen: 2.416 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012862.D

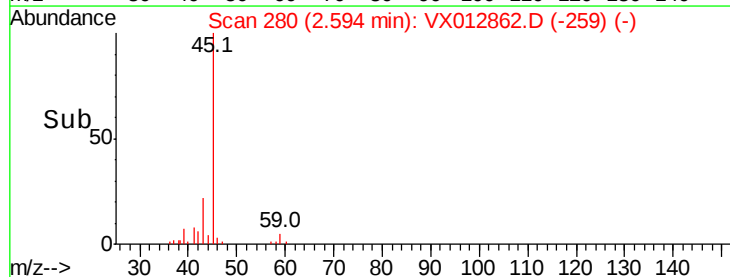
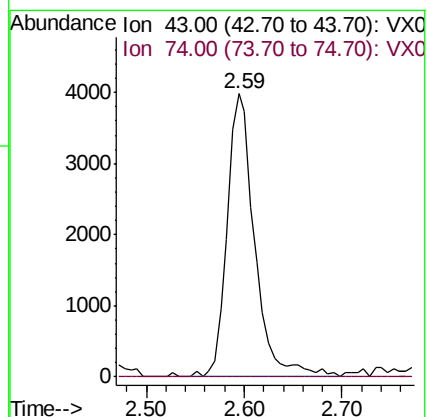
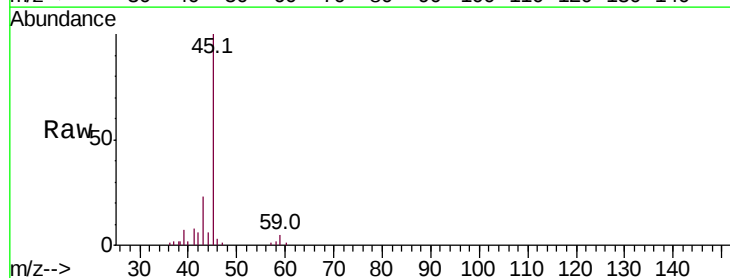
Acq: 08 Oct 2019 01:43

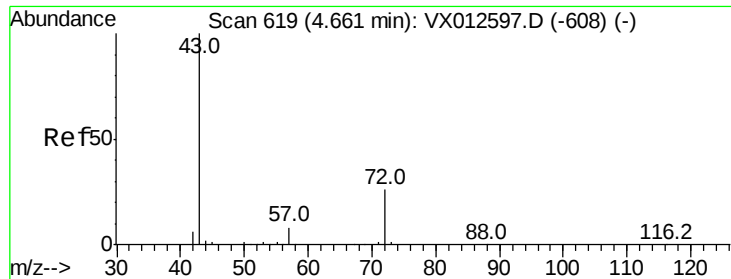
Tgt Ion: 43 Resp: 7790

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#25

2-Butanone

Concen: 0.214 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

Instrument :

MSVOA_X

ClientSampleId :

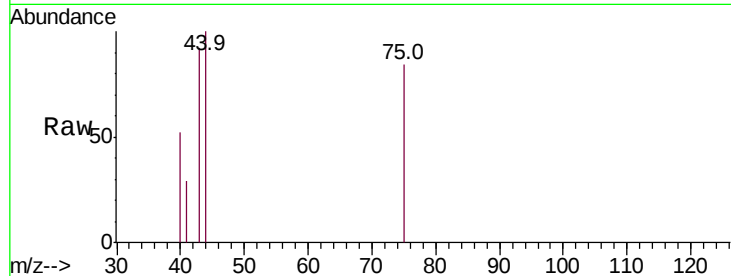
FA19-056-MW02

Tot Ion: 43 Resp: 420

Ion Ratio Lower Upper

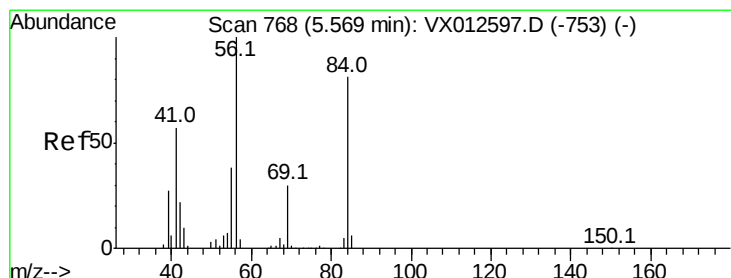
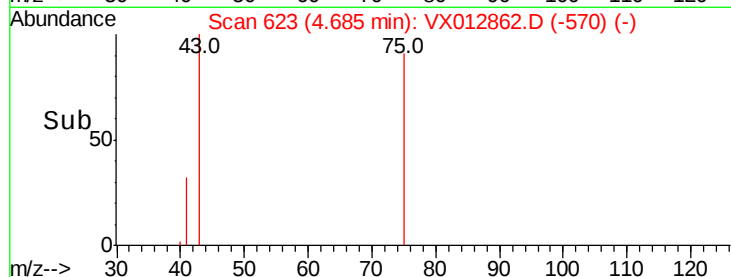
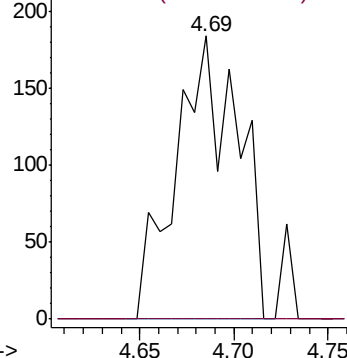
43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.120 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

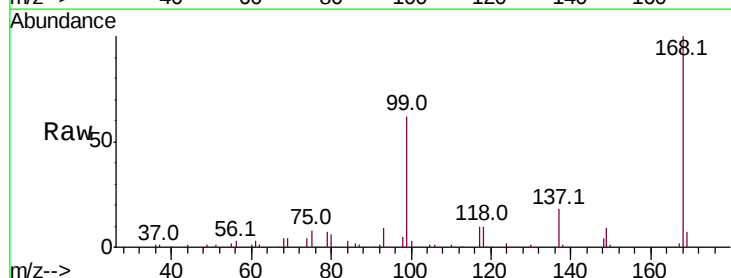
Tgt Ion: 56 Resp: 4031

Ion Ratio Lower Upper

56 100

69 163.5 25.0 37.6#

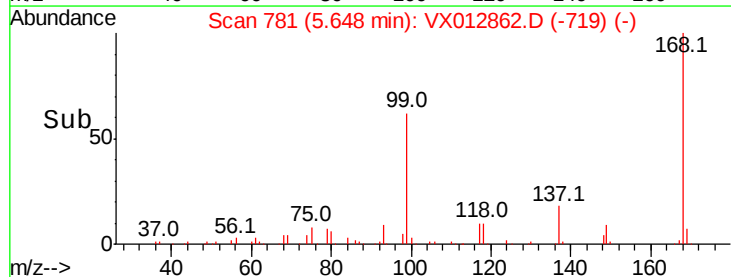
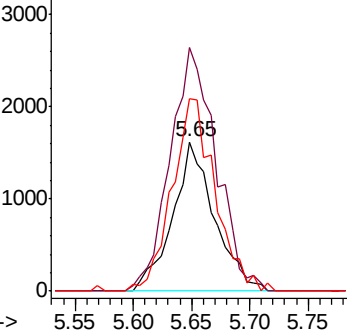
84 129.6 66.4 99.6#

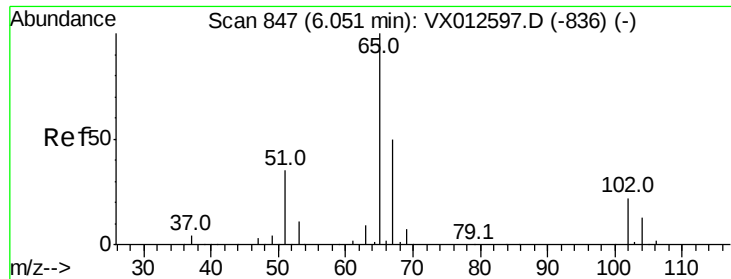


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

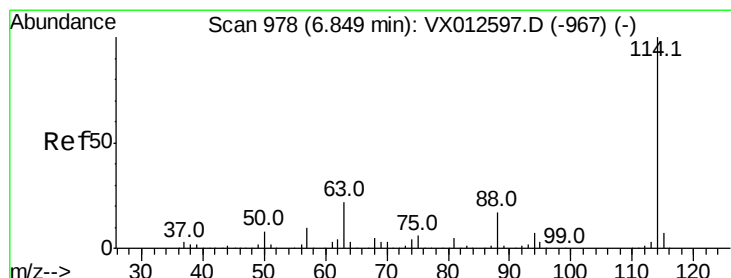
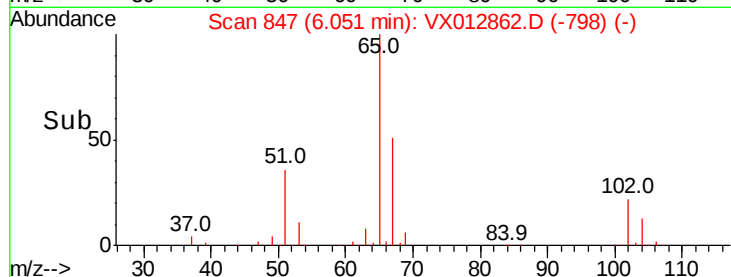
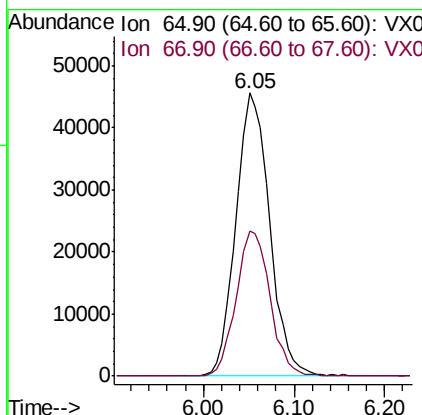
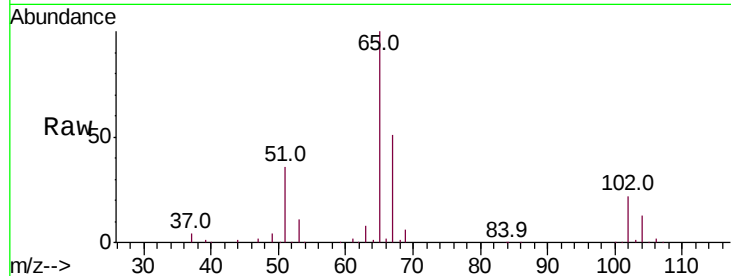




#33
 1,2-Dichloroethane-d4
 Concen: 45.539 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012862.D
 Acq: 08 Oct 2019 01:43

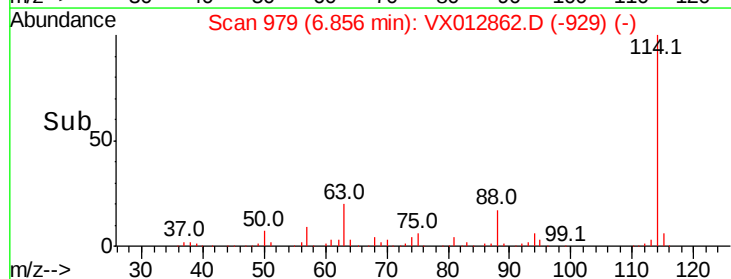
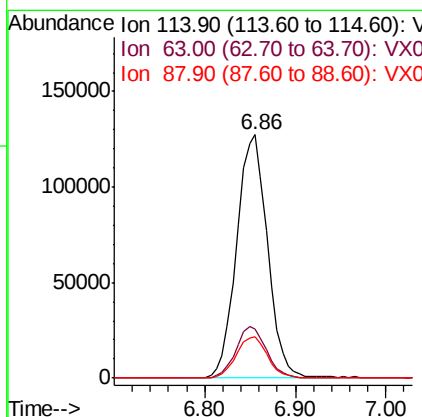
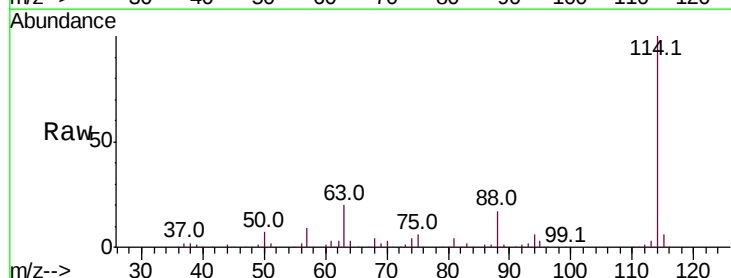
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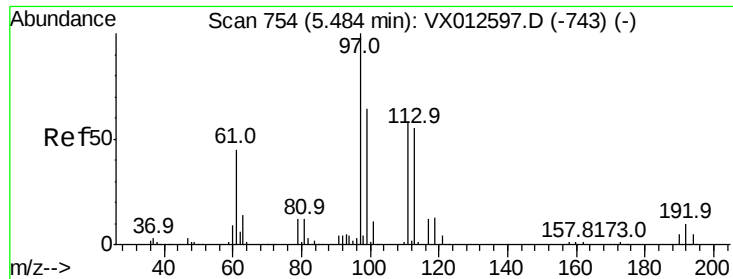
Tot Ion: 65 Resp: 117735
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012862.D
 Acq: 08 Oct 2019 01:43

Tgt Ion: 114 Resp: 300530
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 43.2
 88 17.0 0.0 33.2

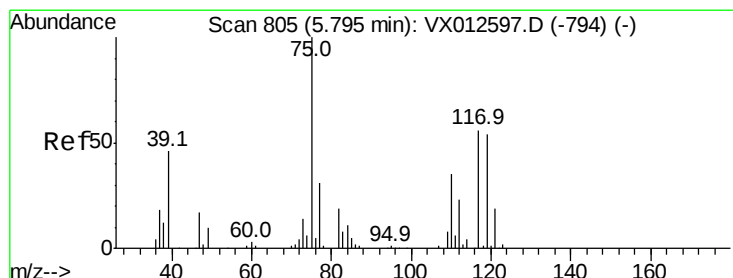
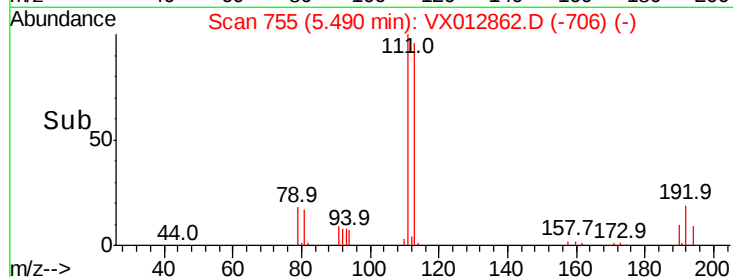
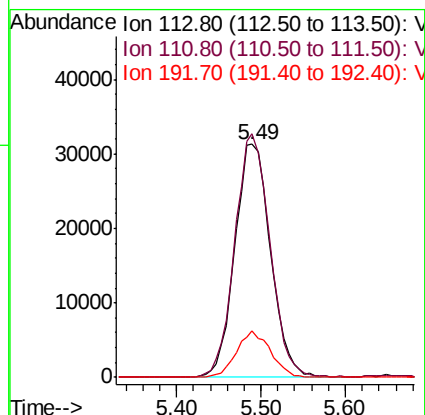
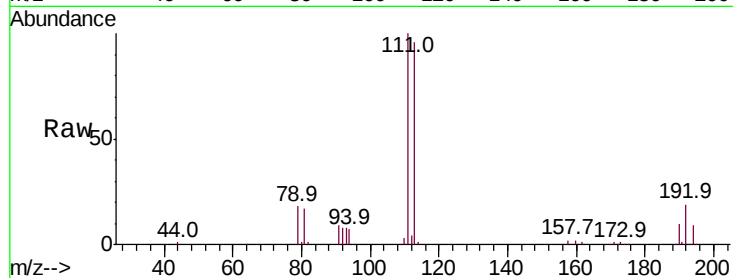




#35
 Dibromofluoromethane
 Concen: 50.239 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012862.D
 Acq: 08 Oct 2019 01:43

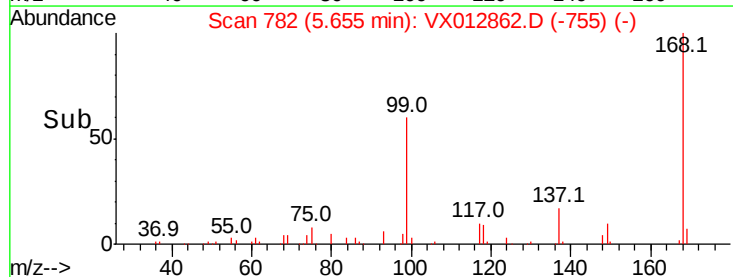
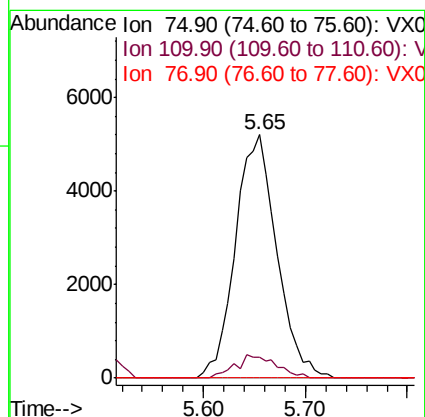
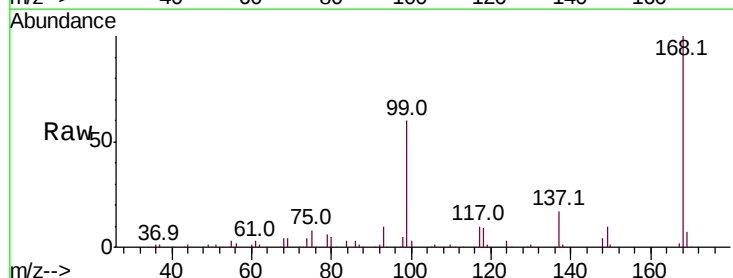
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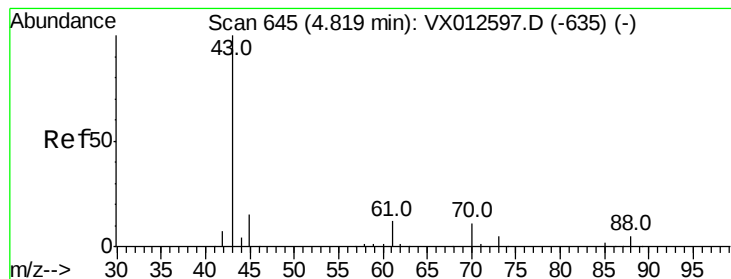
Tot Ion:113 Resp: 89917
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.2
 192 18.8 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012862.D
 Acq: 08 Oct 2019 01:43

Tgt Ion: 75 Resp: 14631
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.7 50.0#
 77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 0.485 ug/l

RT: 4.84 min Scan# 649

Delta R.T. 0.02 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

Instrument :

MSVOA_X

ClientSampleId :

FA19-056-MW02

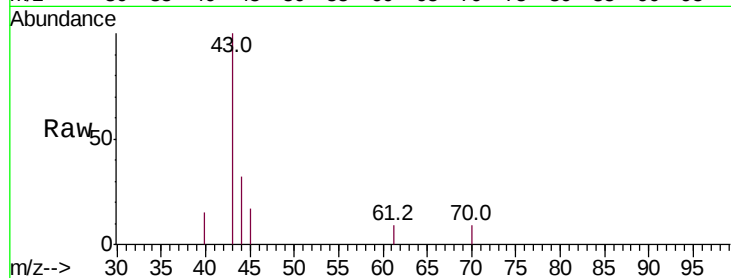
Tot Ion: 43 Resp: 1641

Ion Ratio Lower Upper

43 100

61 14.4 10.2 15.4

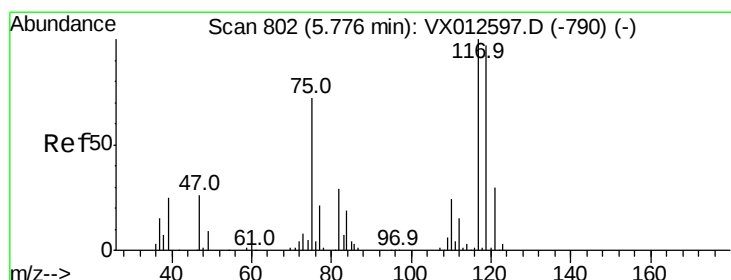
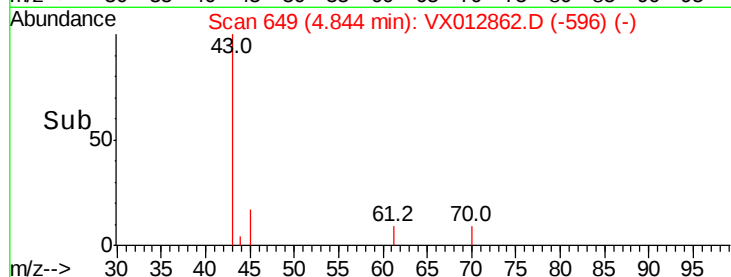
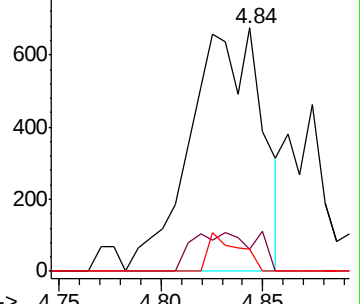
70 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.250 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

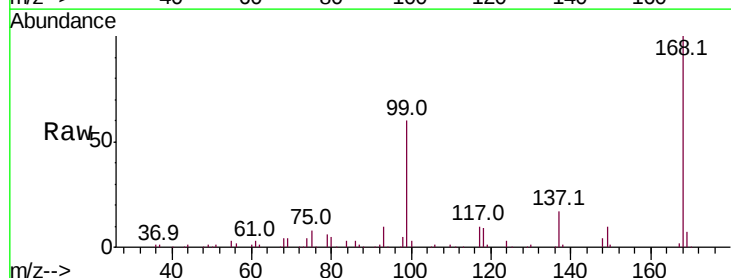
Tgt Ion: 117 Resp: 18392

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

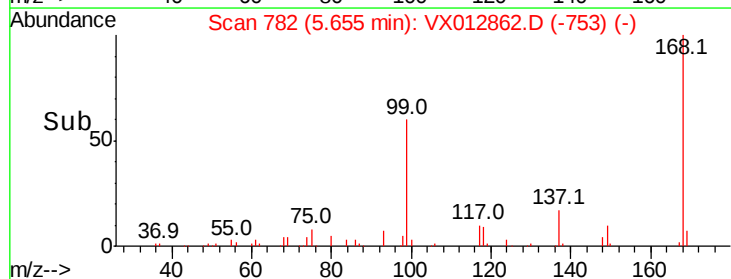
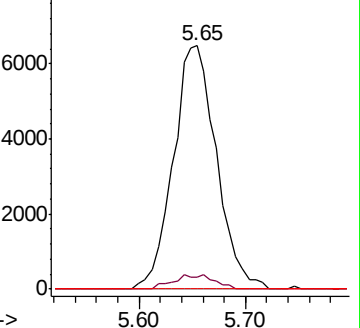
121 0.0 24.2 36.4#

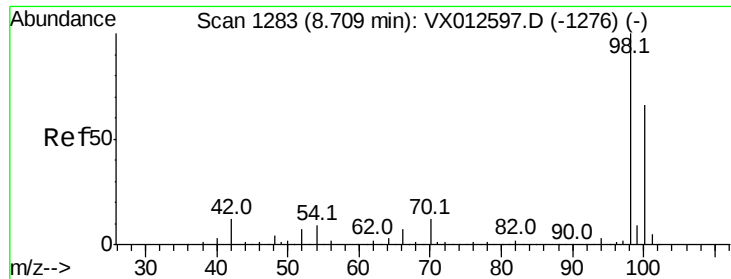


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

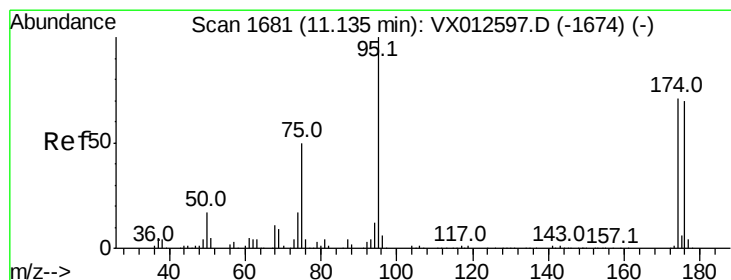
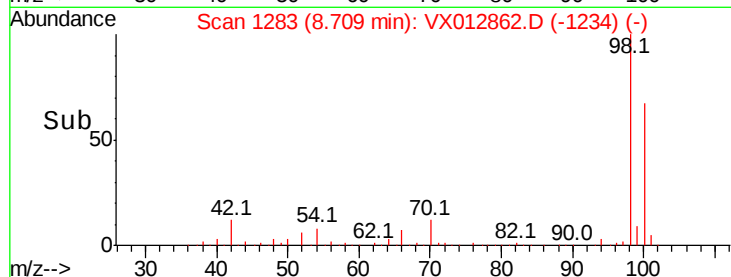
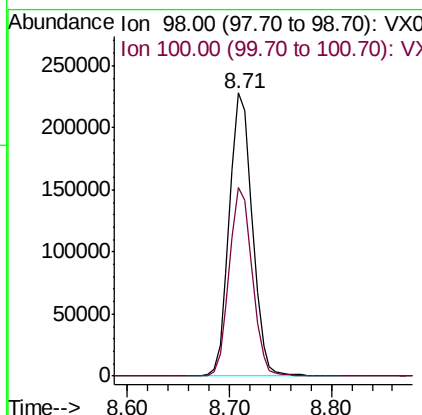
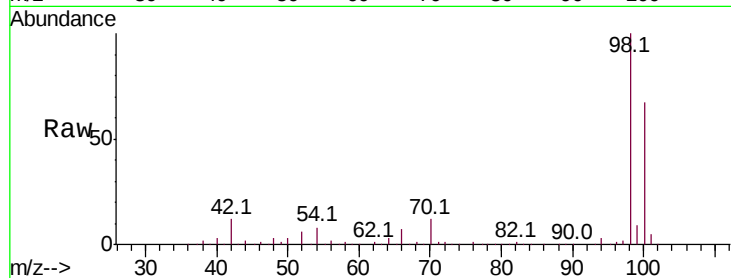




#50
Toluene-d8
Concen: 51.451 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012862.D
Acq: 08 Oct 2019 01:43

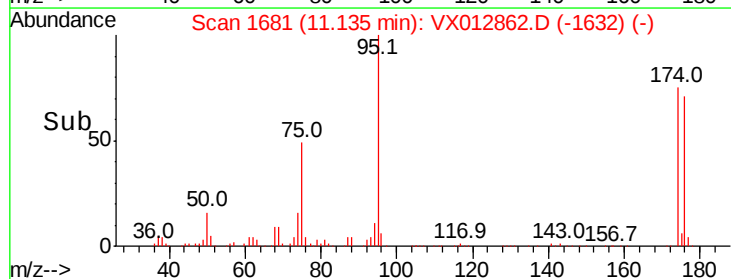
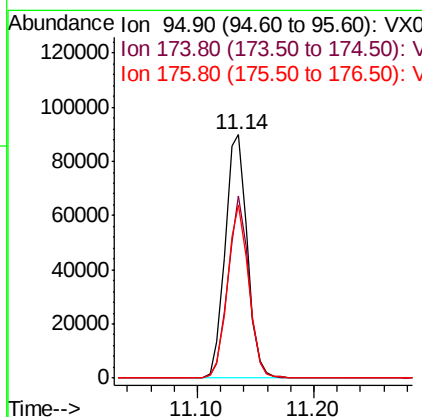
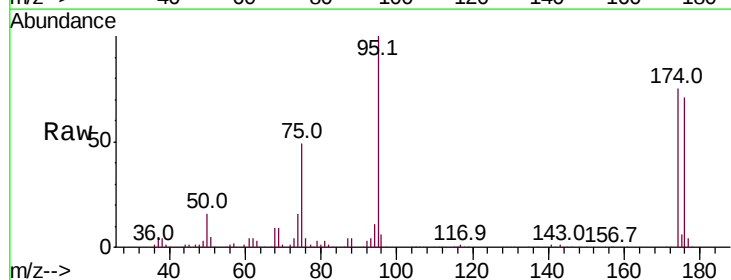
Instrument :
MSVOA_X
ClientSampleId :
FA19-056-MW02

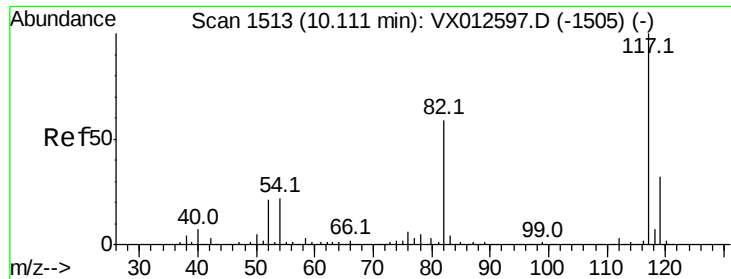
Tot Ion: 98 Resp: 354627
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 43.767 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012862.D
Acq: 08 Oct 2019 01:43

Tgt Ion: 95 Resp: 118616
Ion Ratio Lower Upper
95 100
174 70.2 0.0 140.0
176 68.5 0.0 135.4

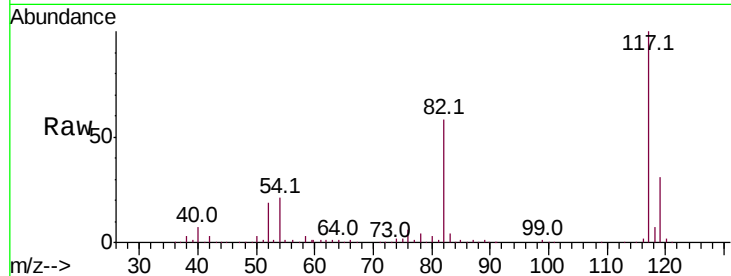




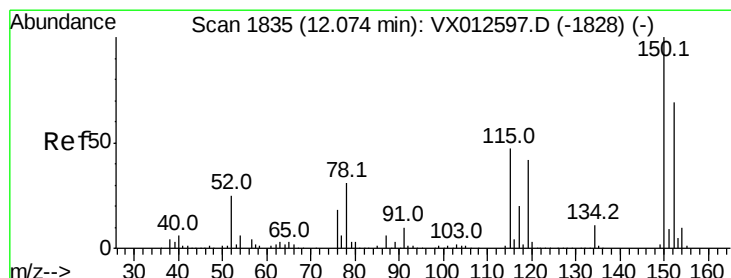
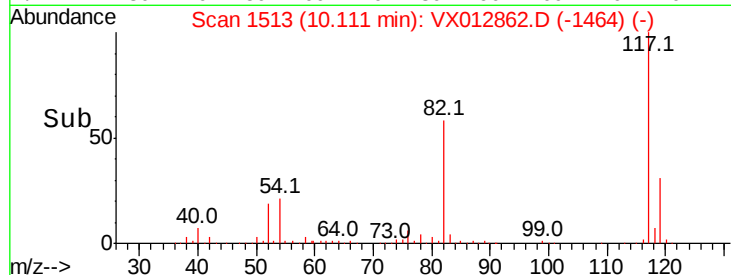
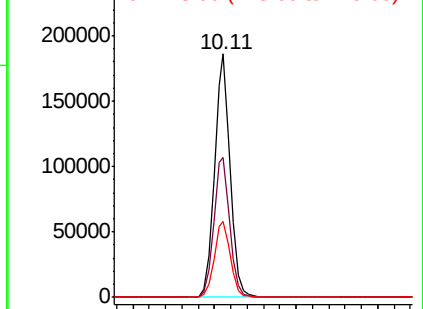
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012862.D
Acq: 08 Oct 2019 01:43

Instrument :
MSVOA_X
ClientSampleId :
FA19-056-MW02

Tot Ion:117 Resp: 252748
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 31.3 25.3 37.9

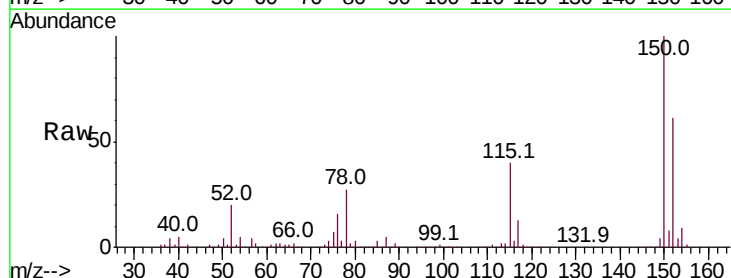


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

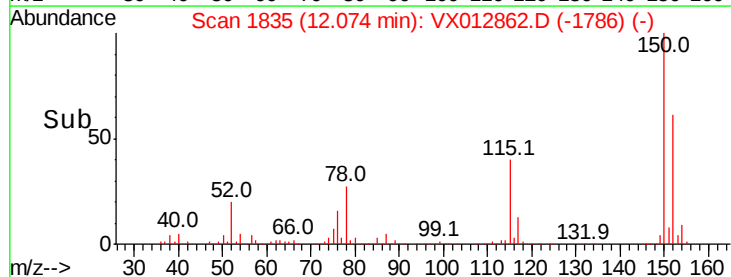
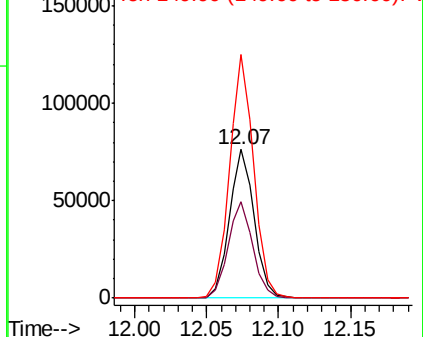


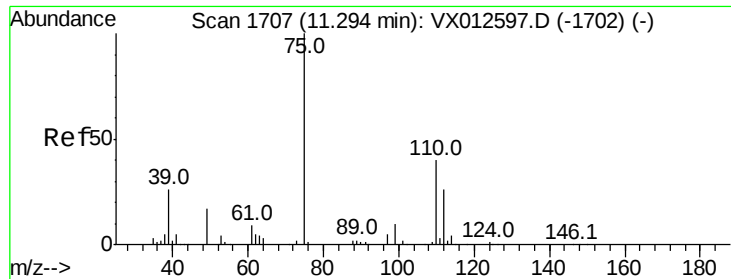
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012862.D
Acq: 08 Oct 2019 01:43

Tgt Ion:152 Resp: 92039
Ion Ratio Lower Upper
152 100
115 64.8 44.1 132.3
150 159.8 0.0 343.8



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

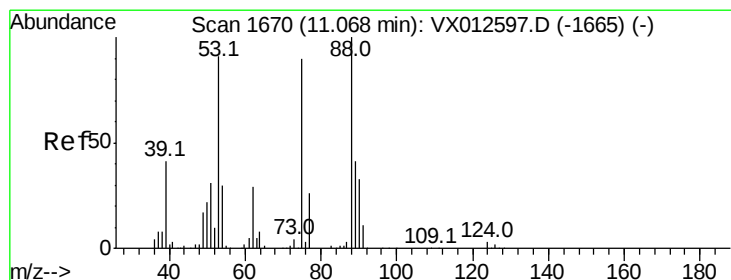
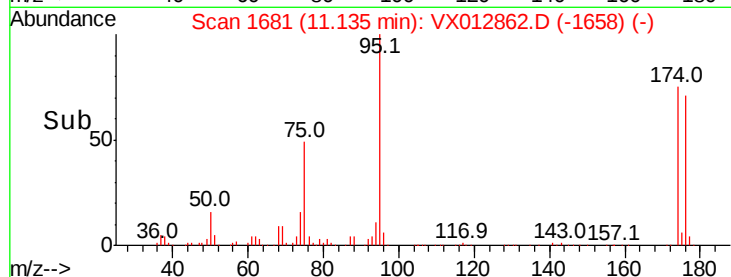
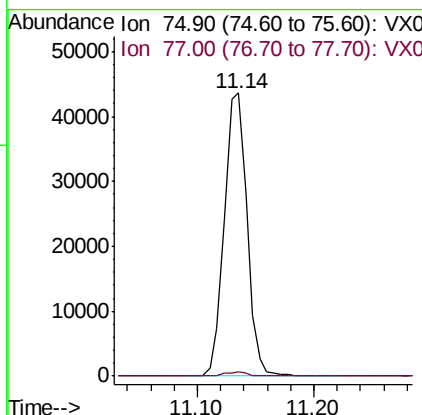
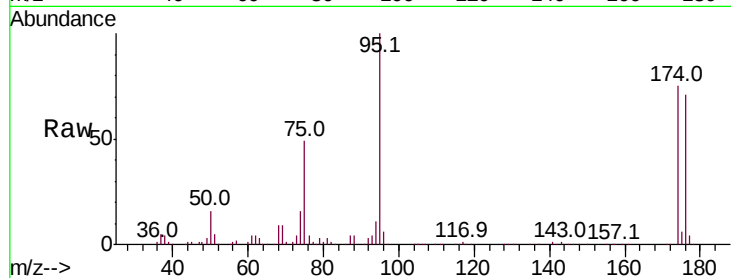




#76
 1,2,3-Trichloropropane
 Concen: 24.224 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012862.D
 Acq: 08 Oct 2019 01:43

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-056-MW02

Tot Ion: 75 Resp: 58977
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.420 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012862.D
 Acq: 08 Oct 2019 01:43

Tgt Ion: 75 Resp: 58977
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.0 36.3 54.5#

