

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX092619\
 Data File : VX012672.D
 Acq On : 26 Sep 2019 14:29
 Operator : JC/SP
 Sample : K5049-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Sep 26 23:33:49 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	167227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	78917	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	121216	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	5.49	113	85840	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	8.71	98	336064	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.14	95	107892	42.22	ug/l	0.00
Spiked Amount			Recovery	=	84.44%	

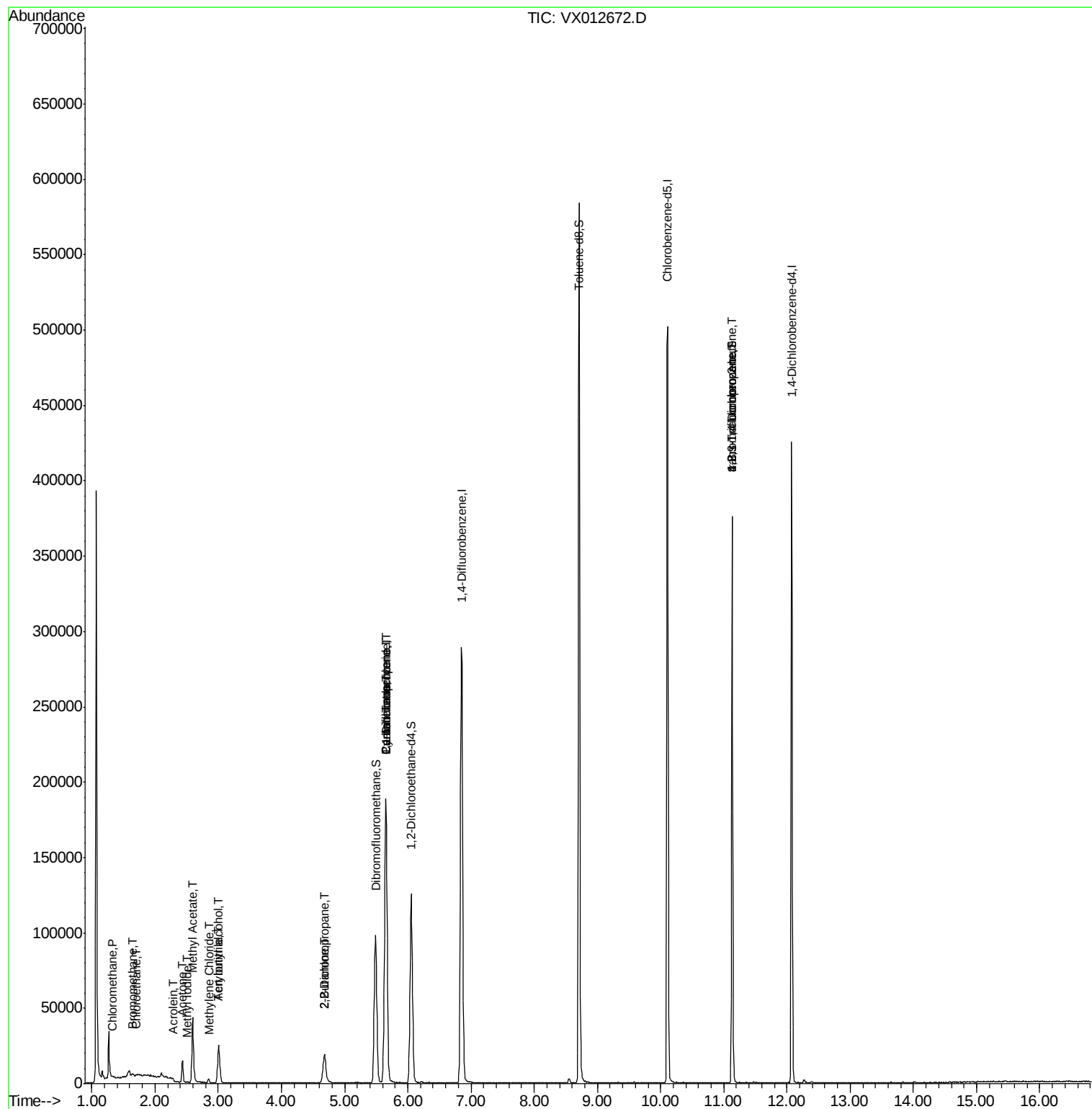
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	546	0.253	ug/l #	79
5) Bromomethane	1.64	94	406	0.481	ug/l #	46
6) Chloroethane	1.71	64	664	0.459	ug/l #	52
10) Methyl Iodide	2.50	142	311	5.098	ug/l #	85
11) Tert butyl alcohol	3.01	59	15374	25.273	ug/l #	74
13) Acrolein	2.28	56	78	10.454	ug/l	90
15) Acrylonitrile	3.01	53	260	0.211	ug/l #	17
16) Acetone	2.44	43	14763	11.445	ug/l	94
18) Methyl Acetate	2.59	43	12134	3.995	ug/l #	54
20) Methylene Chloride	2.85	84	1021	0.468	ug/l #	95
25) 2-Butanone	4.67	43	1773	0.959	ug/l	96
26) 2,2-Dichloropropane	4.69	77	1703	0.511	ug/l #	55
31) Cyclohexane	5.65	56	4361	1.287	ug/l #	21
36) 1,1-Dichloropropene	5.65	75	15160	5.551	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18728	6.750	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	55789	26.725	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	55789	76.587	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
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: VX012672.D

Acq: 26 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

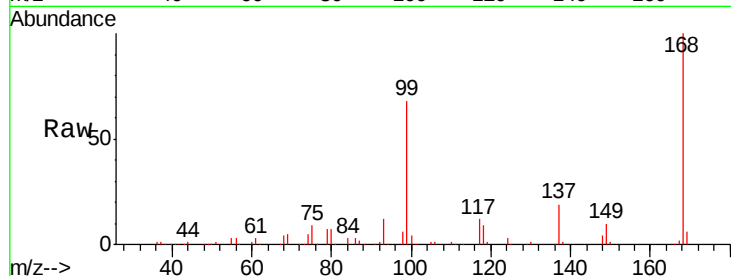
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Tgt Ion:168 Resp: 167227

Ion Ratio Lower Upper

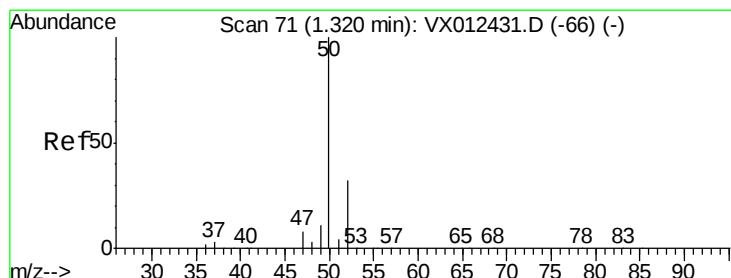
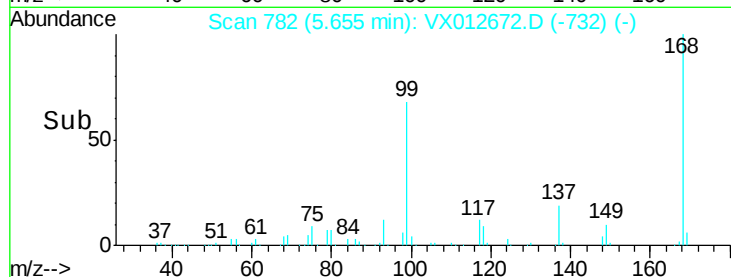
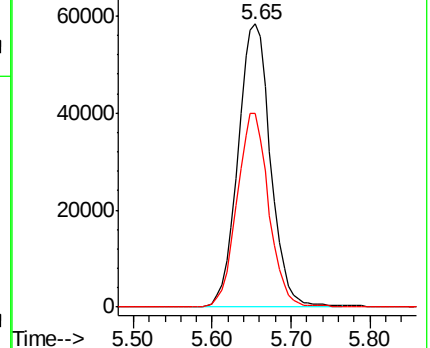
168 100

99 68.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012672.D

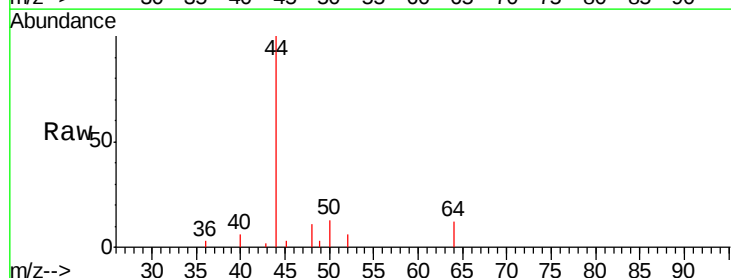
Acq: 26 Sep 2019 14:29

Tgt Ion: 50 Resp: 546

Ion Ratio Lower Upper

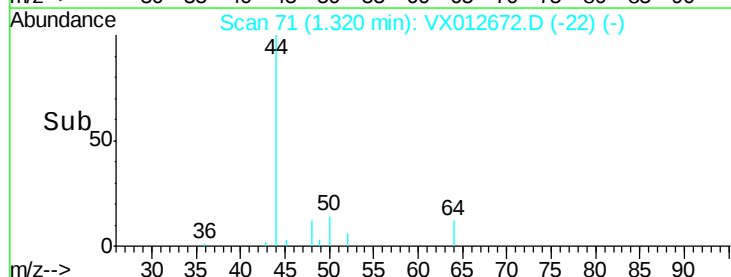
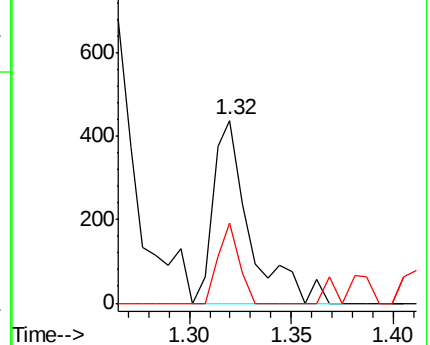
50 100

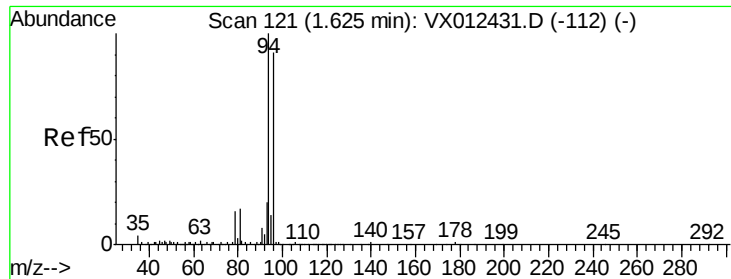
52 43.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.481 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

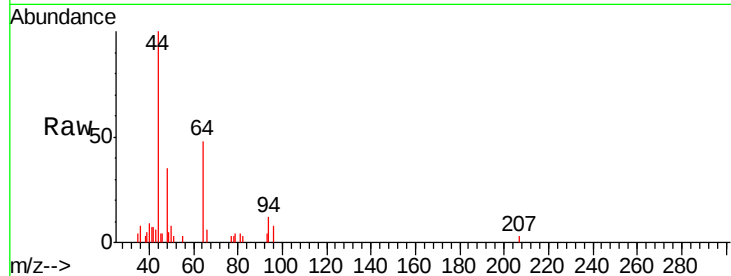
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Tgt Ion: 94 Resp: 406

Ion Ratio Lower Upper

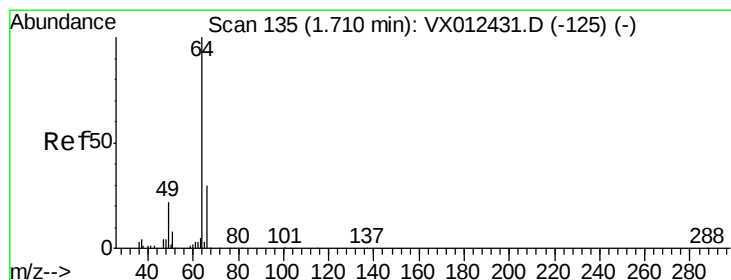
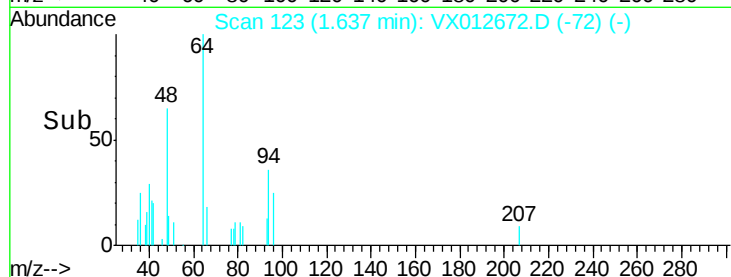
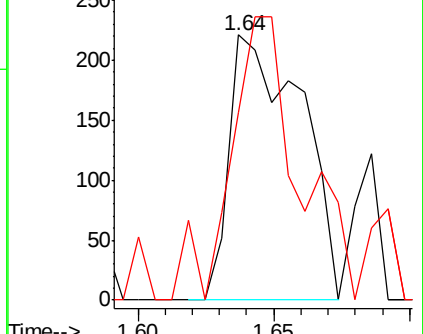
94 100

96 40.3 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: 0.459 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012672.D

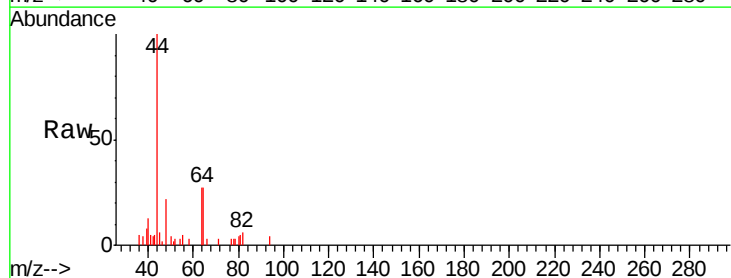
Acq: 26 Sep 2019 14:29

Tgt Ion: 64 Resp: 664

Ion Ratio Lower Upper

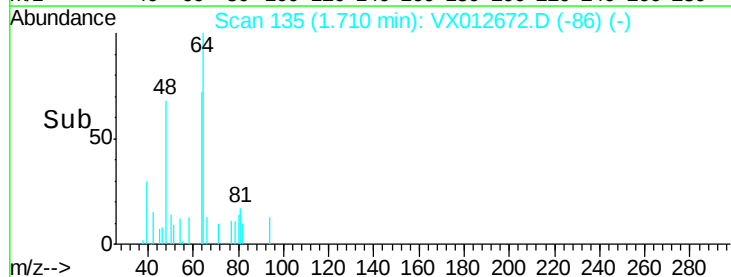
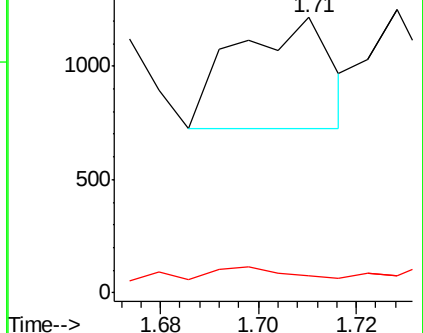
64 100

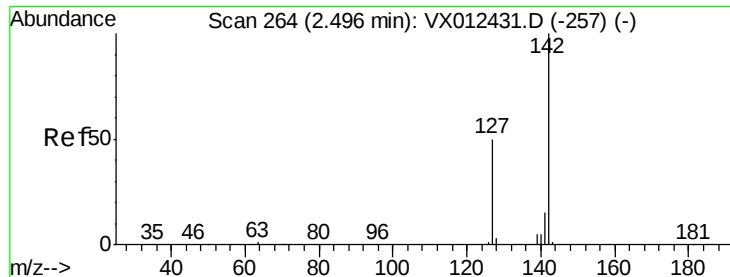
66 4.1 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

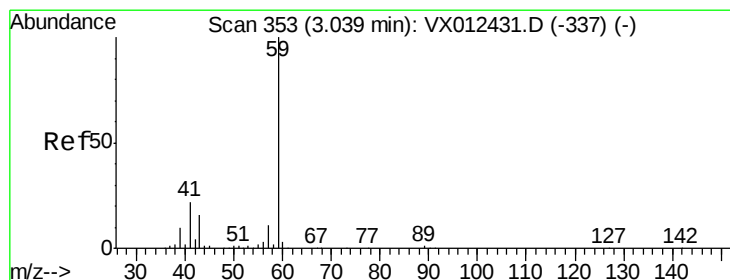
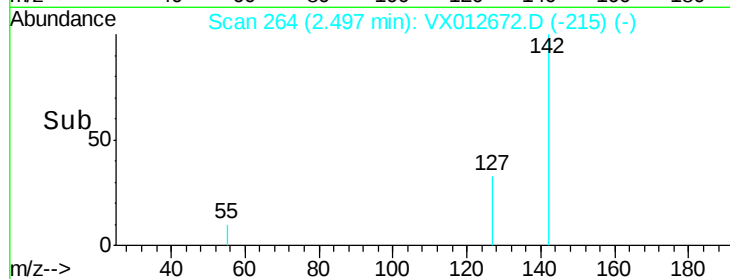
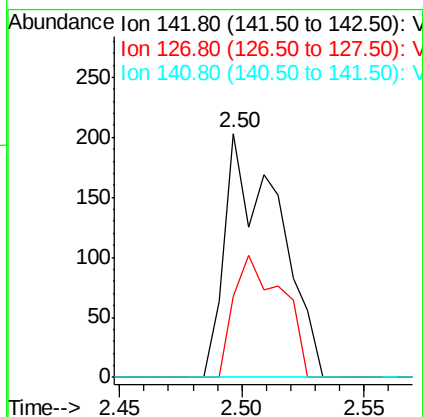
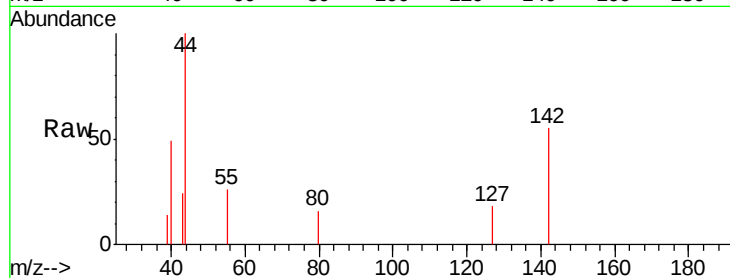




#10
Methyl Iodide
Concen: 5.098 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012672.D
Acq: 26 Sep 2019 14:29

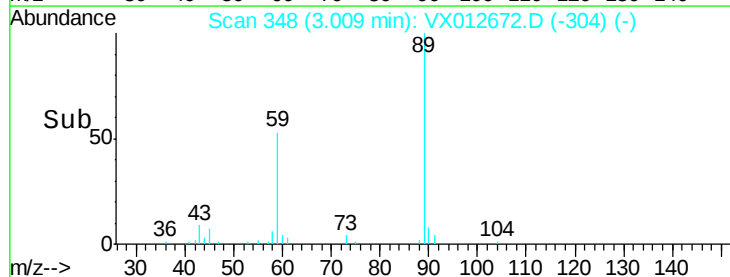
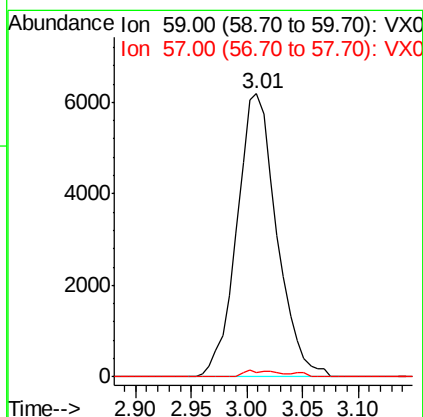
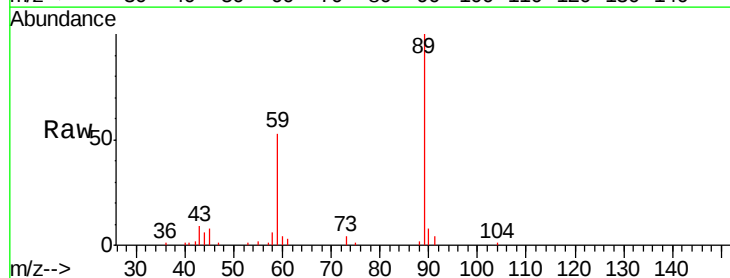
Instrument :
MSVOA_X
ClientSampled :
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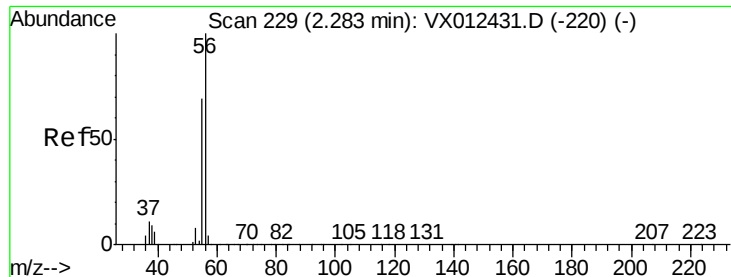
Tgt Ion: 142 Resp: 311
Ion Ratio Lower Upper
142 100
127 45.0 40.8 61.2
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 25.273 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012672.D
Acq: 26 Sep 2019 14:29

Tgt Ion: 59 Resp: 15374
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#





#13

Acrolein

Concen: 10.454 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

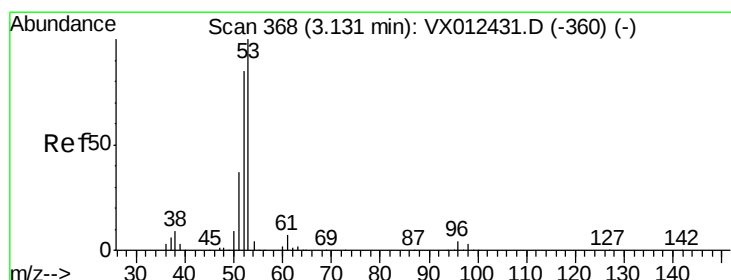
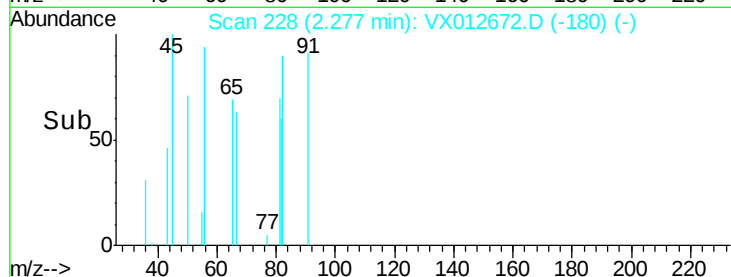
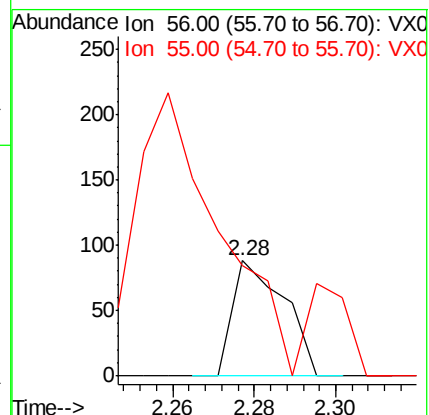
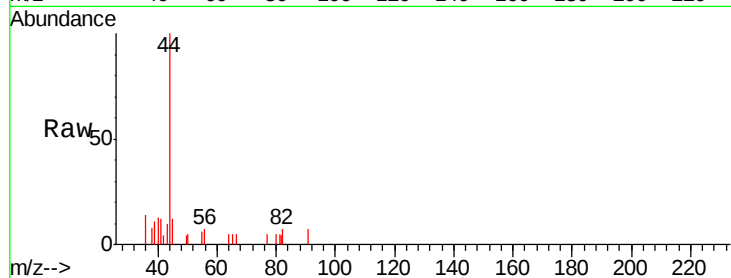
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Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 61.5 55.8 83.8



#15

Acrylonitrile

Concen: 0.211 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.12 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

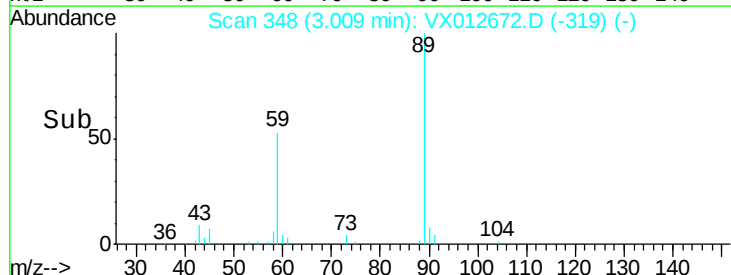
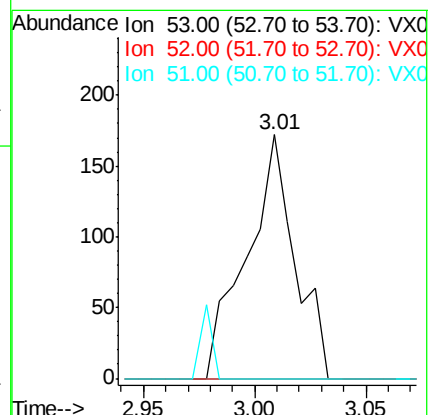
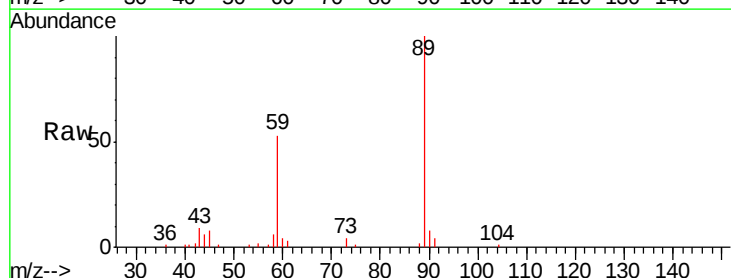
Tgt Ion: 53 Resp: 260

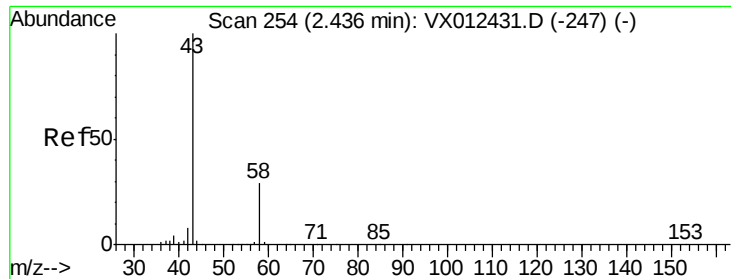
Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

51 0.0 29.6 44.4#





#16

Acetone

Concen: 11.445 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

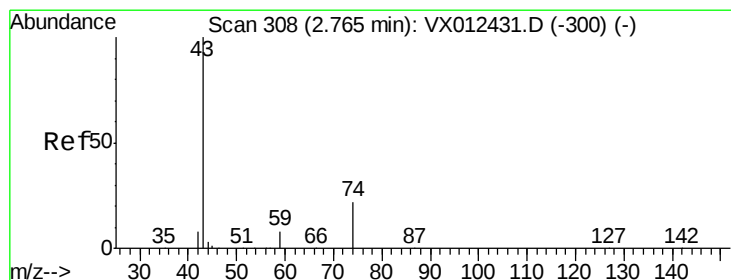
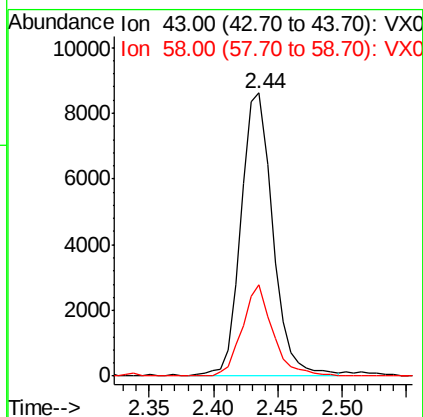
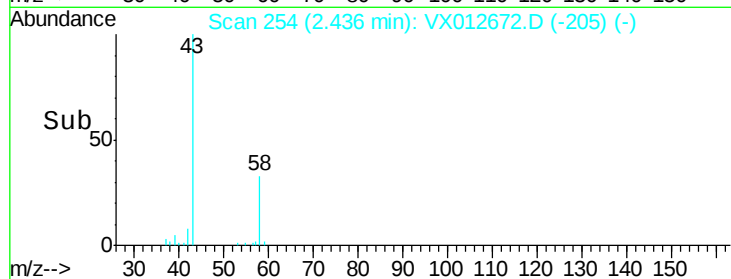
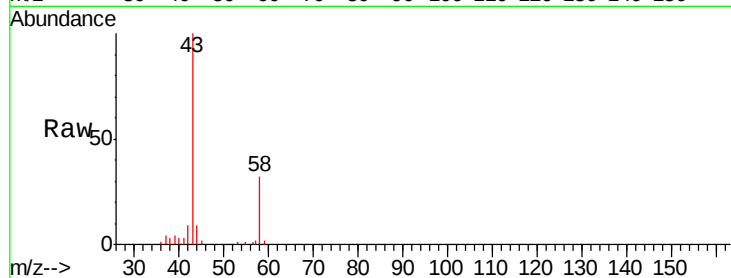
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Tgt Ion: 43 Resp: 14763

Ion Ratio Lower Upper

43 100

58 32.2 23.3 34.9



#18

Methyl Acetate

Concen: 3.995 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012672.D

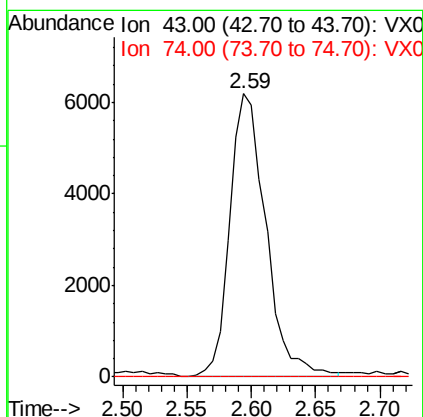
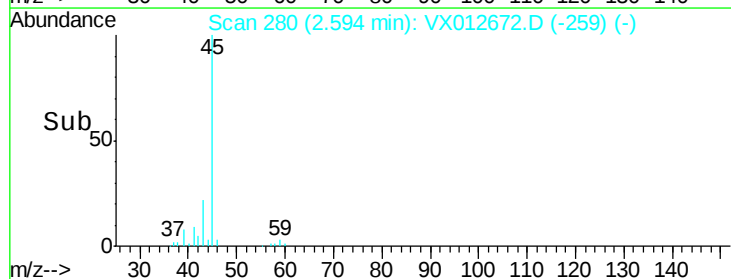
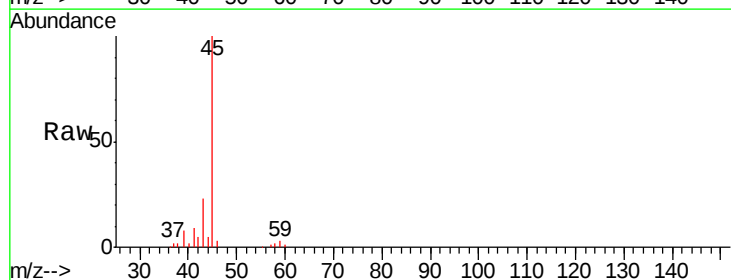
Acq: 26 Sep 2019 14:29

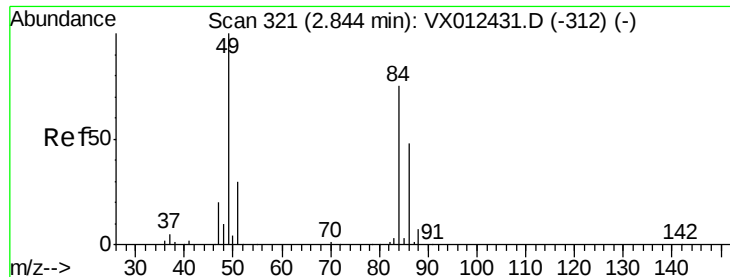
Tgt Ion: 43 Resp: 12134

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

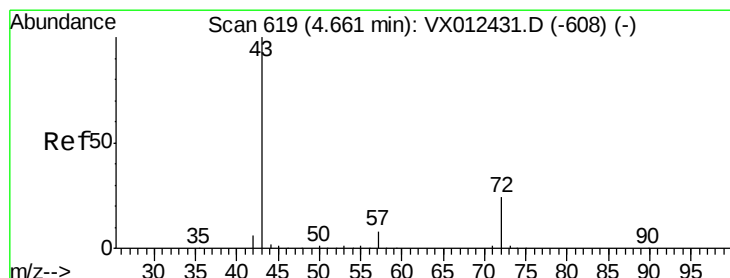
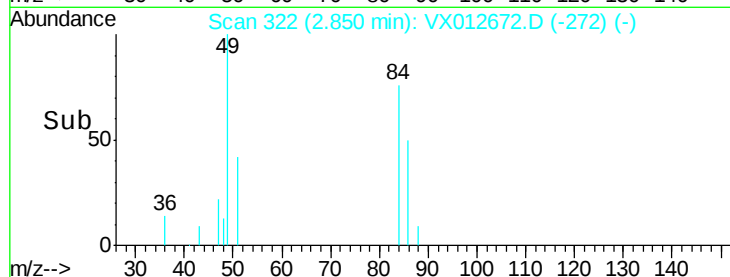
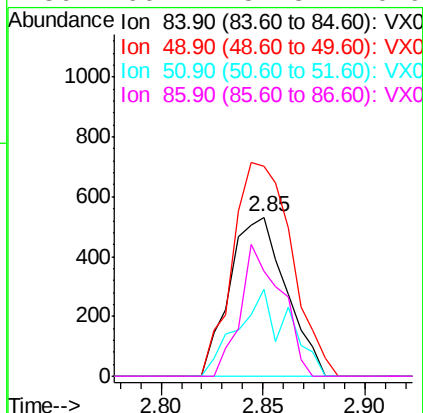
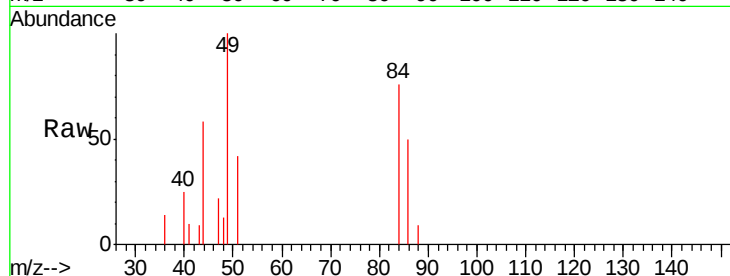




#20
Methylene Chloride
Concen: 0.468 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012672.D
Acq: 26 Sep 2019 14:29

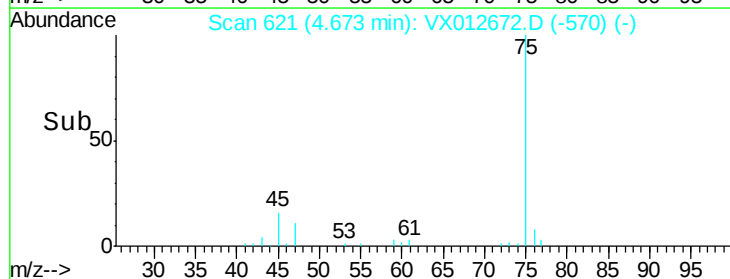
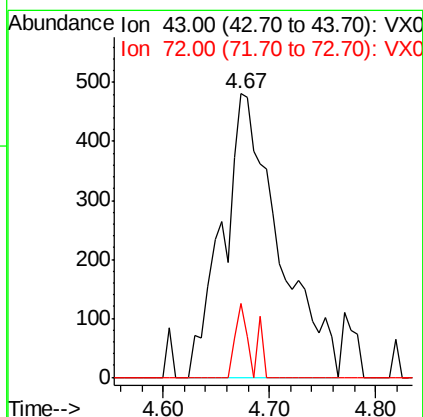
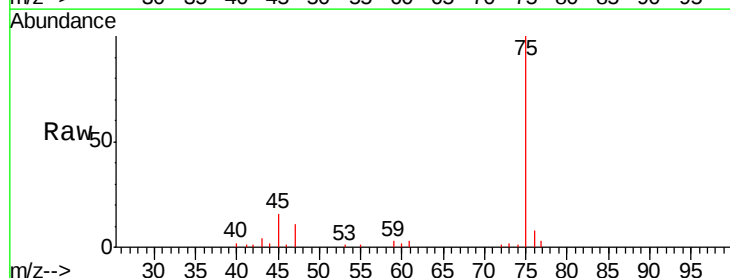
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MSVOA_X
ClientSampleId :
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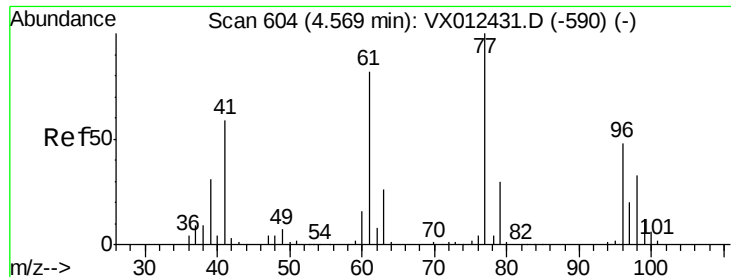
Tgt Ion: 84 Resp: 1021
Ion Ratio Lower Upper
84 100
49 132.1 106.8 160.2
51 55.1 32.3 48.5#
86 66.2 51.3 76.9



#25
2-Butanone
Concen: 0.959 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX012672.D
Acq: 26 Sep 2019 14:29

Tgt Ion: 43 Resp: 1773
Ion Ratio Lower Upper
43 100
72 26.0 19.2 28.8





#26

2,2-Dichloropropane

Concen: 0.511 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.12 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

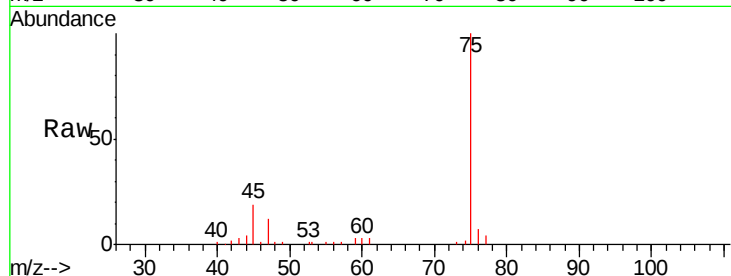
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Tgt Ion: 77 Resp: 1703

Ion Ratio Lower Upper

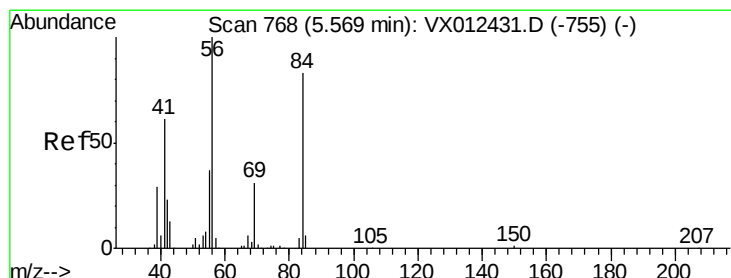
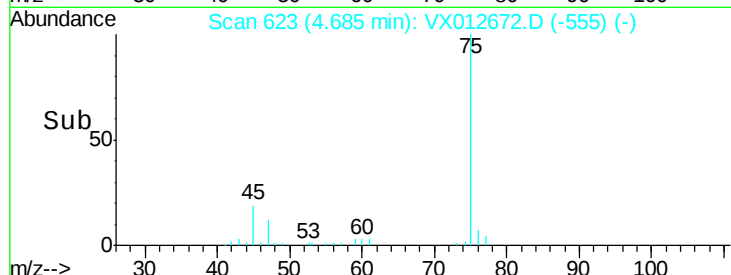
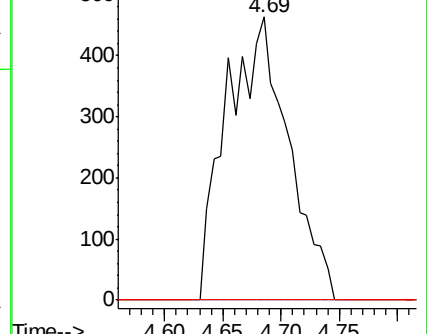
77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#31

Cyclohexane

Concen: 1.287 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

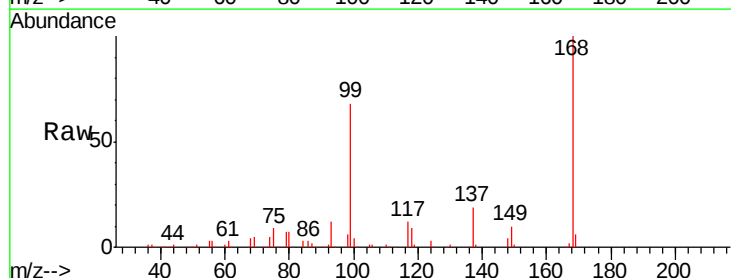
Tgt Ion: 56 Resp: 4361

Ion Ratio Lower Upper

56 100

69 165.9 25.0 37.6#

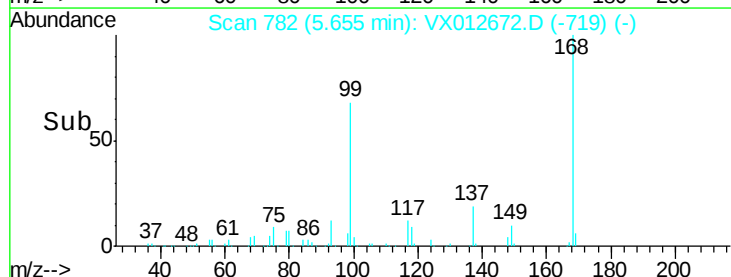
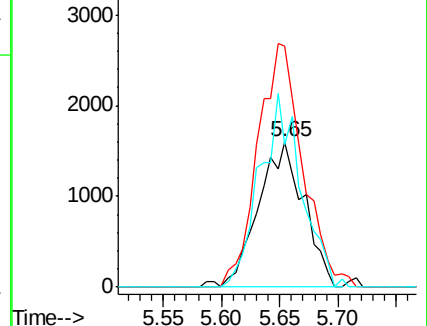
84 98.1 66.4 99.6

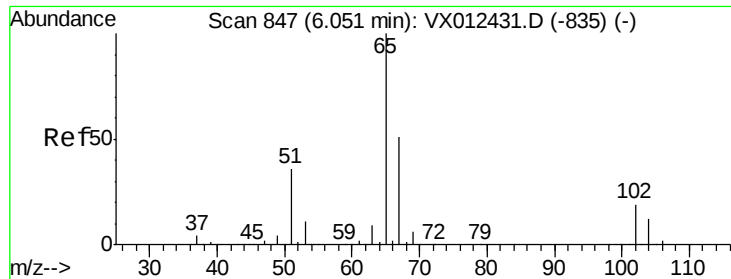


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

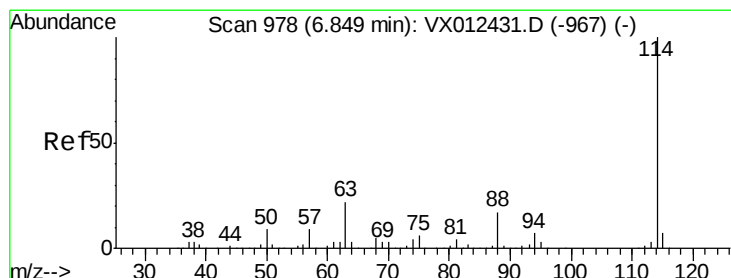
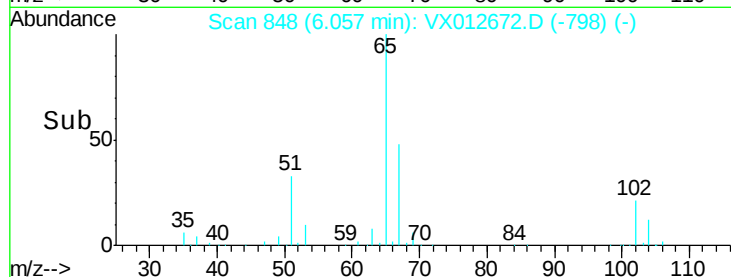
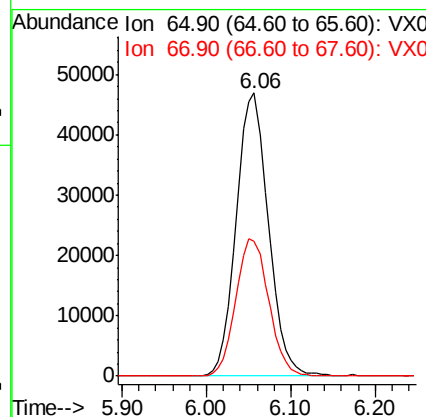
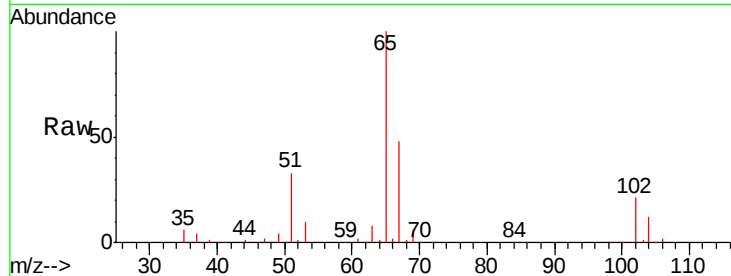




#33
 1,2-Dichloroethane-d4
 Concen: 49.778 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012672.D
 Acq: 26 Sep 2019 14:29

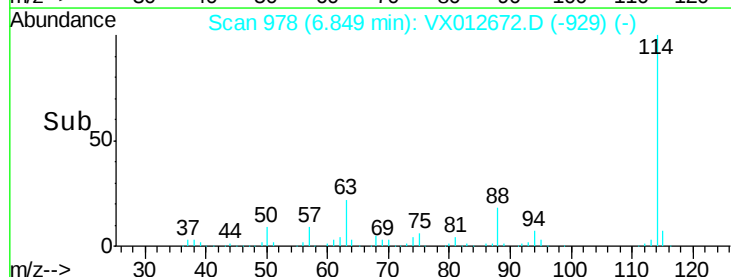
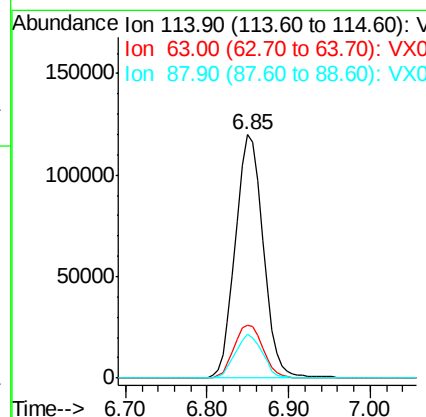
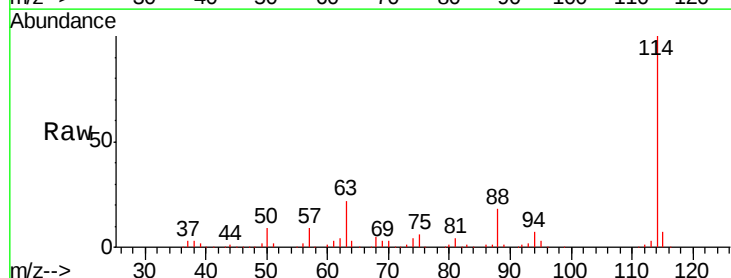
Instrument :
 MSVOA_X
 ClientSampled :
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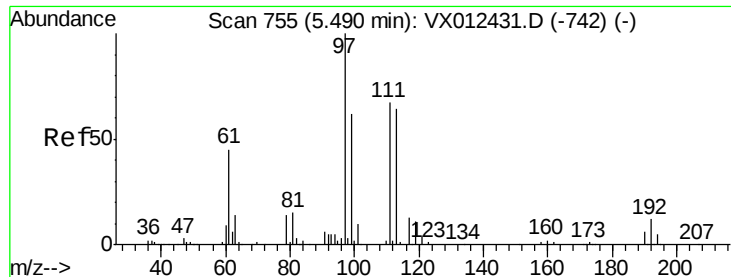
Tgt Ion: 65 Resp: 121216
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012672.D
 Acq: 26 Sep 2019 14:29

Tgt Ion: 114 Resp: 283346
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 18.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.870 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

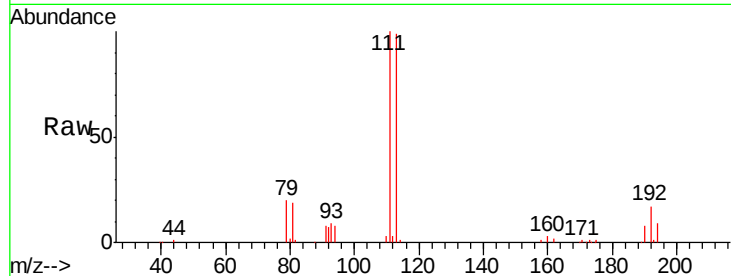
Tgt Ion:113 Resp: 85840

Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.2

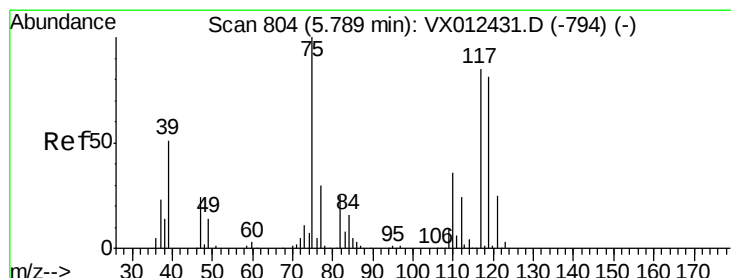
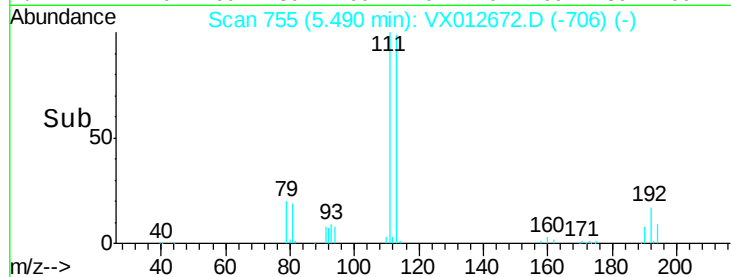
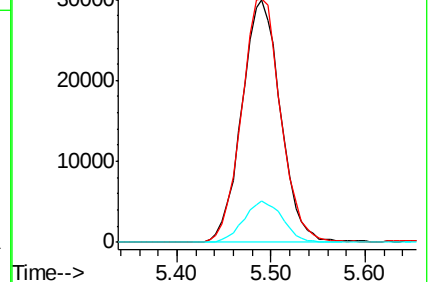
192 17.2 14.4 21.6



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: 5.551 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

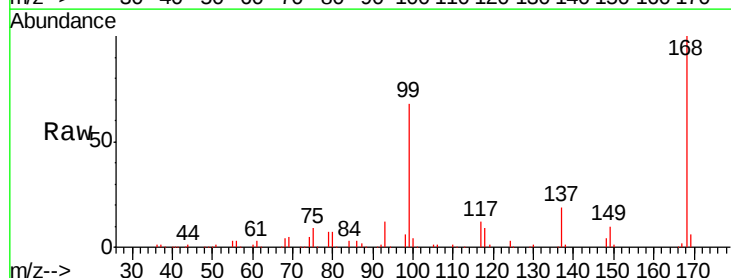
Tgt Ion: 75 Resp: 15160

Ion Ratio Lower Upper

75 100

110 9.0 16.7 50.0#

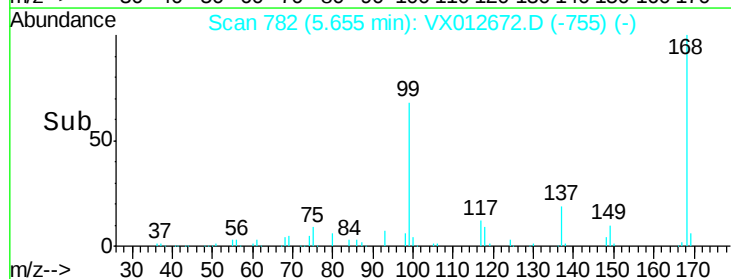
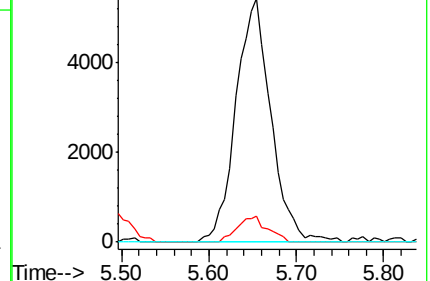
77 0.0 24.2 36.2#

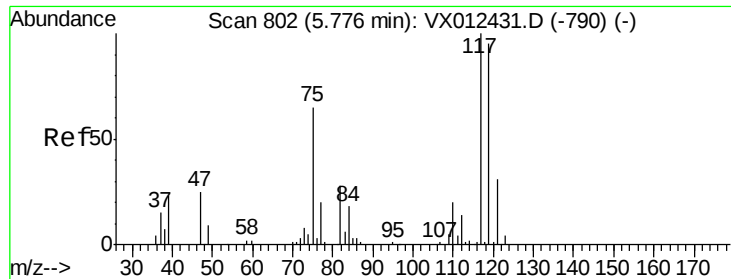


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

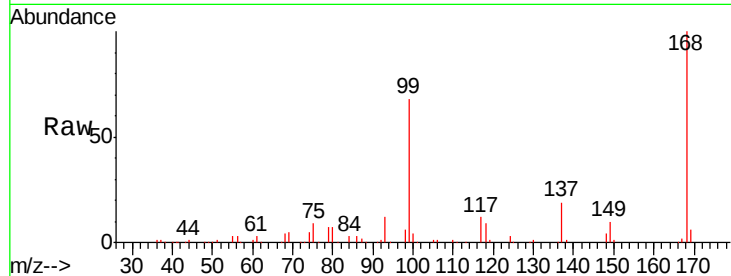




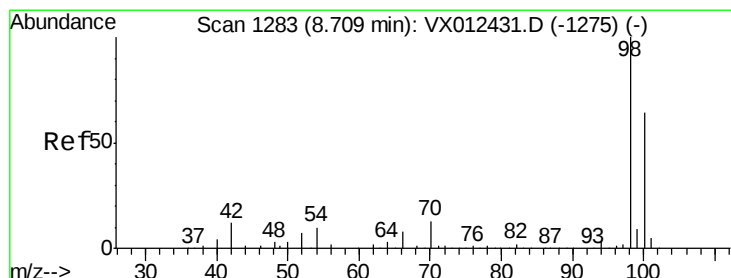
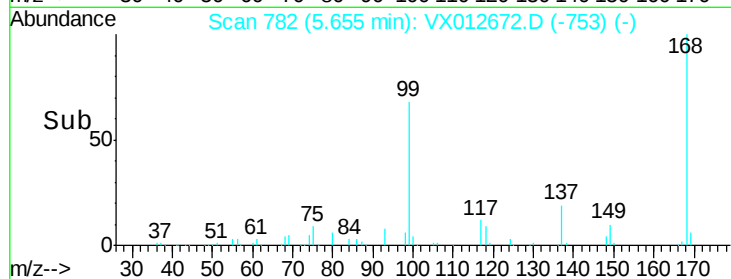
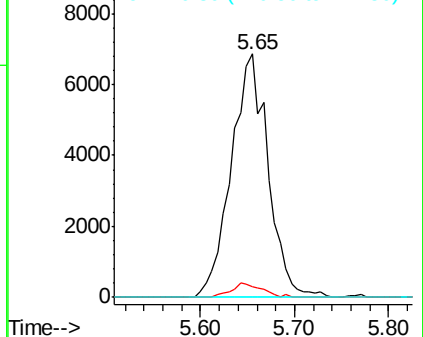
#38
Carbon Tetrachloride
Concen: 6.750 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012672.D
Acq: 26 Sep 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

Tgt Ion:117 Resp: 18728
Ion Ratio Lower Upper
117 100
119 4.6 75.7 113.5#
121 0.0 24.2 36.4#

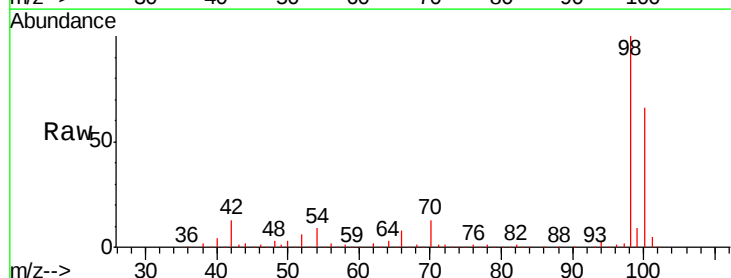


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

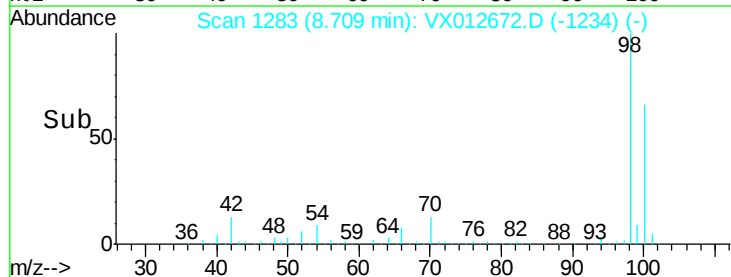
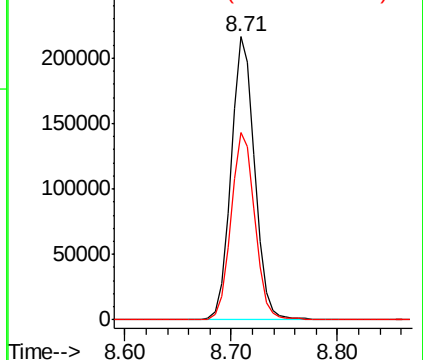


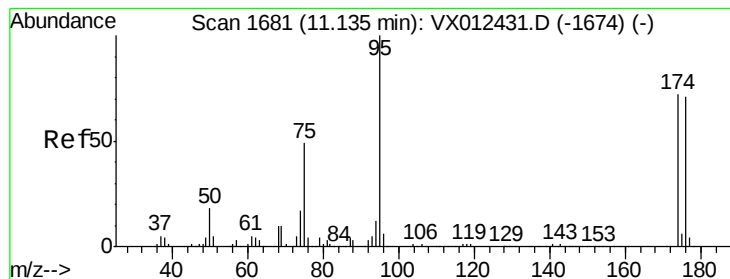
#50
Toluene-d8
Concen: 51.714 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012672.D
Acq: 26 Sep 2019 14:29

Tgt Ion: 98 Resp: 336064
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.224 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

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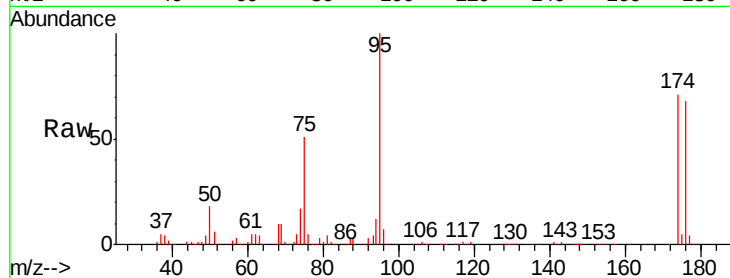
Tgt Ion: 95 Resp: 107892

Ion Ratio Lower Upper

95 100

174 66.6 0.0 140.0

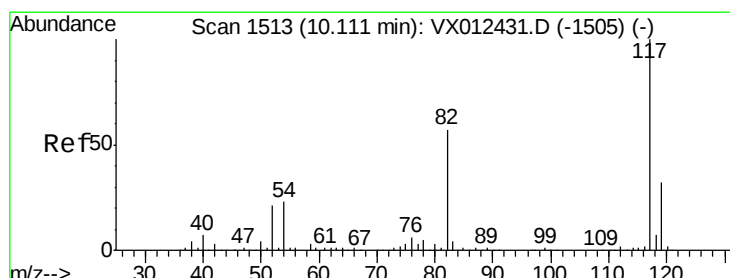
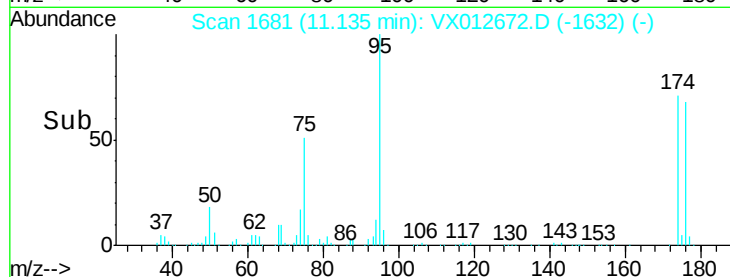
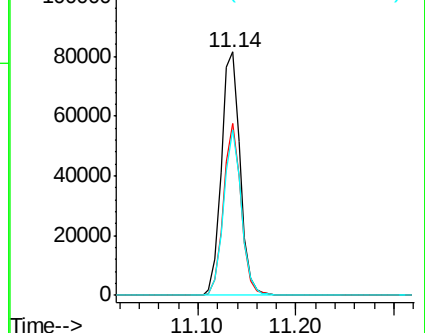
176 64.7 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

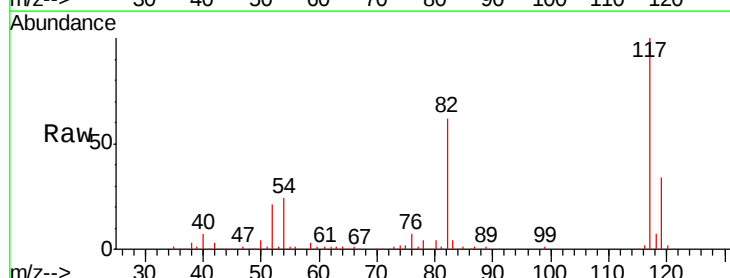
Tgt Ion: 117 Resp: 231277

Ion Ratio Lower Upper

117 100

82 62.0 45.9 68.9

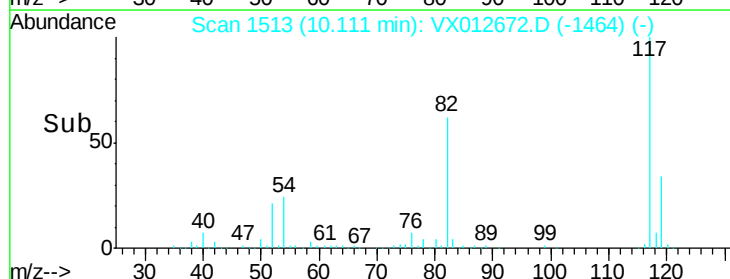
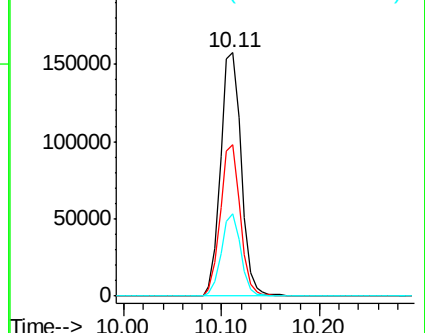
119 34.0 25.3 37.9

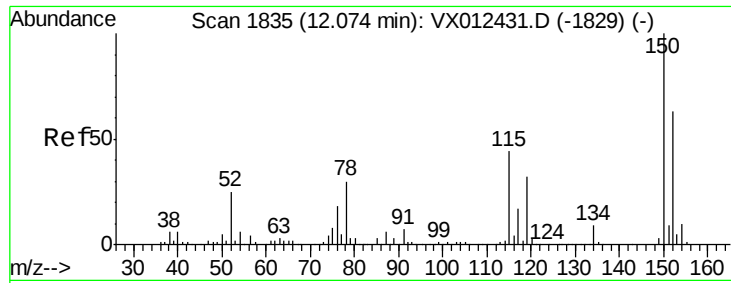


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012672.D

Acq: 26 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

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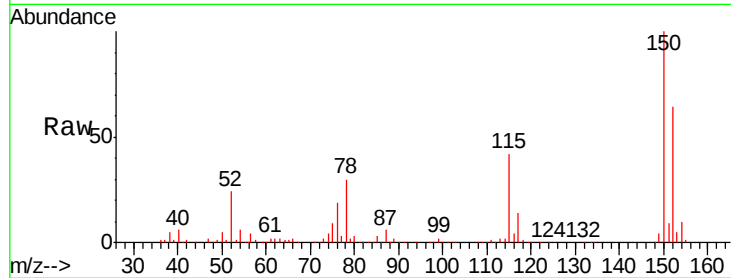
Tgt Ion:152 Resp: 78917

Ion Ratio Lower Upper

152 100

115 65.6 44.1 132.3

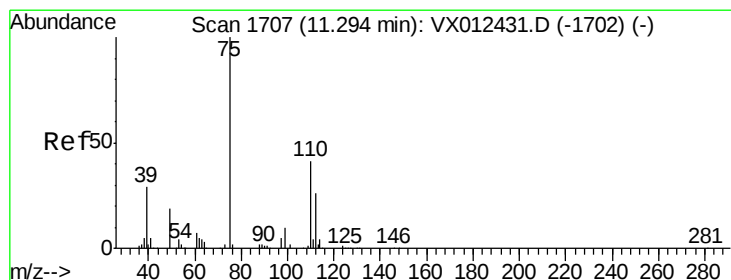
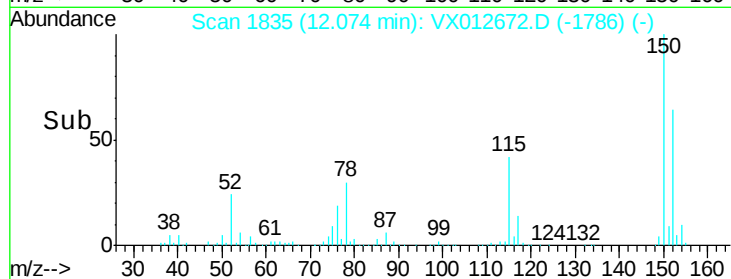
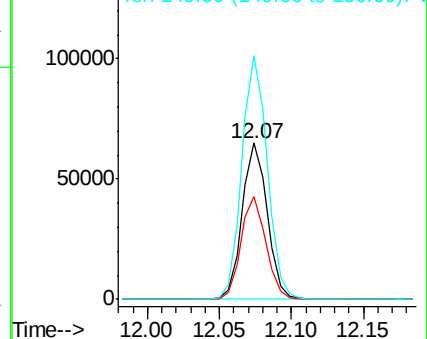
150 158.5 0.0 343.8



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: 26.725 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012672.D

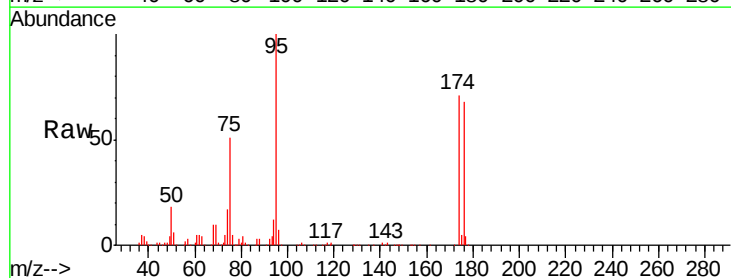
Acq: 26 Sep 2019 14:29

Tgt Ion: 75 Resp: 55789

Ion Ratio Lower Upper

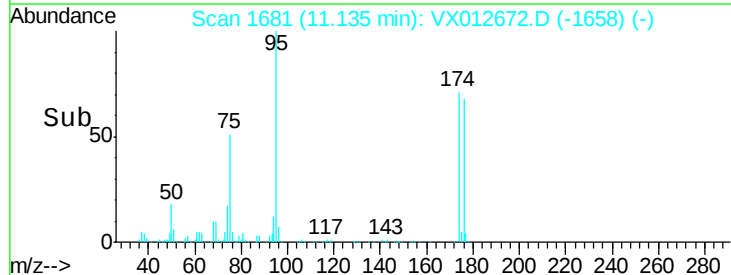
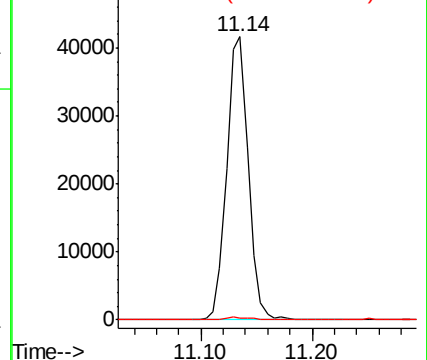
75 100

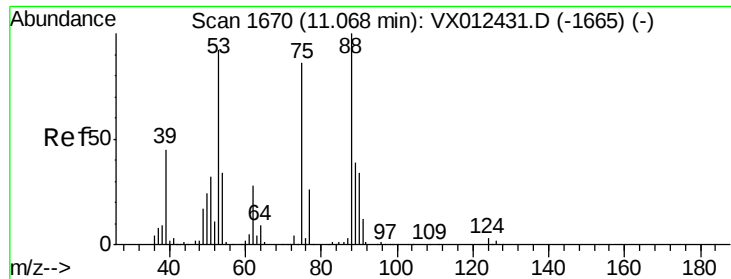
77 1.1 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.587 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012672.D

Acq: 26 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

Tgt Ion: 75 Resp: 55789

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

