

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040919\
 Data File : VX008767.D
 Acq On : 09 Apr 2019 13:41
 Operator : JC/SP
 Sample : VX0409MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBL02

Quant Time: Apr 09 14:21:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	190018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	312149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108043	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	128324	46.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.60%	
35) Dibromofluoromethane	5.49	113	95215	47.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.42%	
50) Toluene-d8	8.71	98	389834	49.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.13	95	124130	44.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.10%	

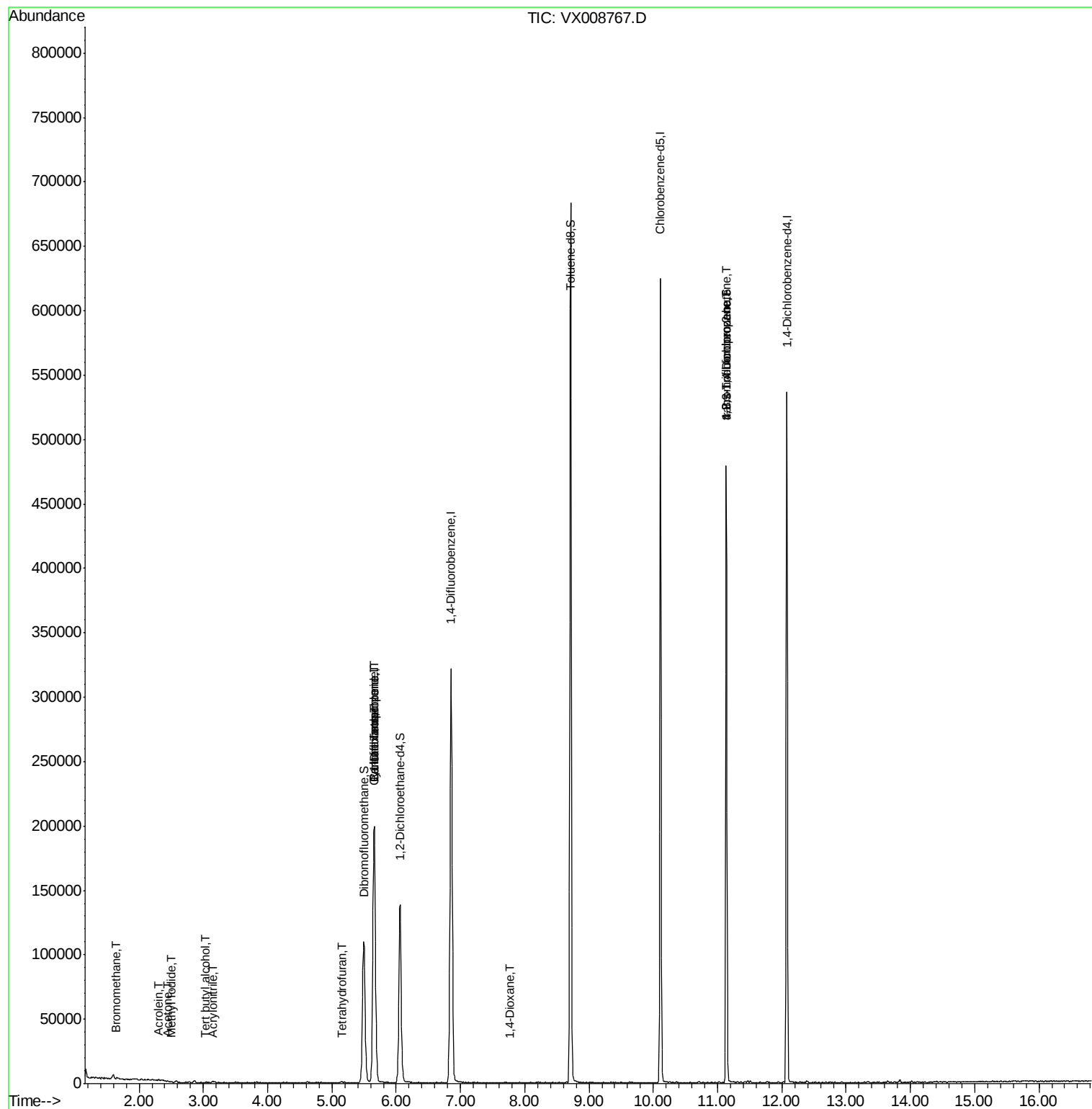
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	466	Below Cal	#	83
5) Bromomethane	1.65	94	424	2.165	ug/l	88
6) Chloroethane	1.72	64	179	Below Cal	#	43
10) Methyl Iodide	2.51	142	293	4.144	ug/l #	88
11) Tert butyl alcohol	3.04	59	215	0.331	ug/l #	72
13) Acrolein	2.29	56	320	0.995	ug/l	87
15) Acrylonitrile	3.14	53	555	0.323	ug/l #	90
16) Acetone	2.45	43	710	0.445	ug/l	90
17) Carbon Disulfide	2.57	76	1187	Below Cal	#	77
28) Bromochloromethane	5.01	49	79	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	1000	0.597	ug/l #	68
31) Cyclohexane	5.65	56	4453	0.930	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15024	4.403	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18595	6.584	ug/l #	18
49) 1,4-Dioxane	7.77	88	18	0.266	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63079	21.253	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63079	58.584	ug/l #	9

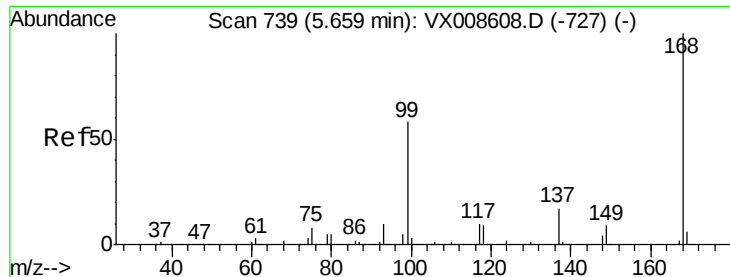
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040919\
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QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

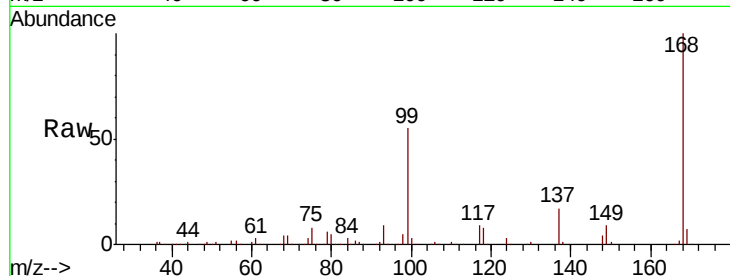
VX0409MBL02

Tgt Ion:168 Resp: 190018

Ion Ratio Lower Upper

168 100

99 54.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

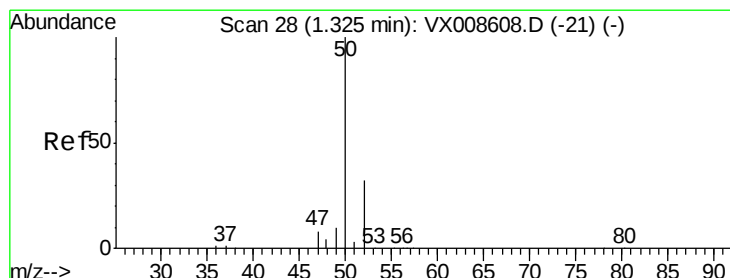
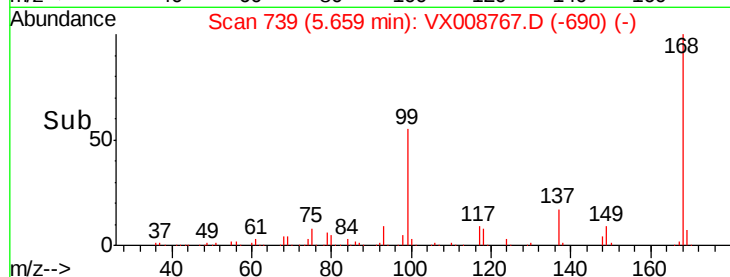
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008767.D

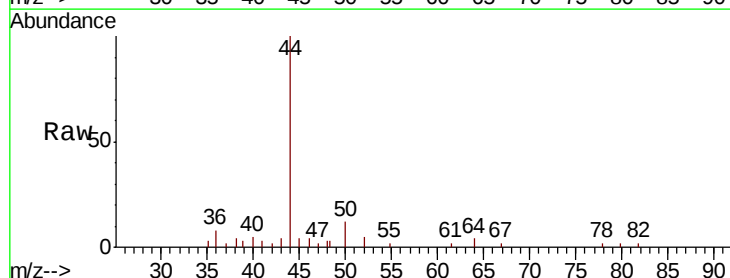
Acq: 09 Apr 2019 13:41

Tgt Ion: 50 Resp: 466

Ion Ratio Lower Upper

50 100

52 41.9 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

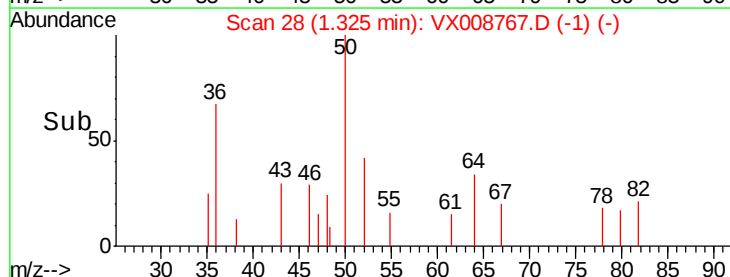
200

100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.165 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

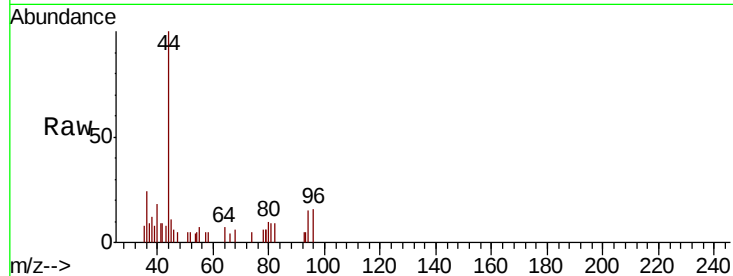
VX0409MBL02

Tgt Ion: 94 Resp: 424

Ion Ratio Lower Upper

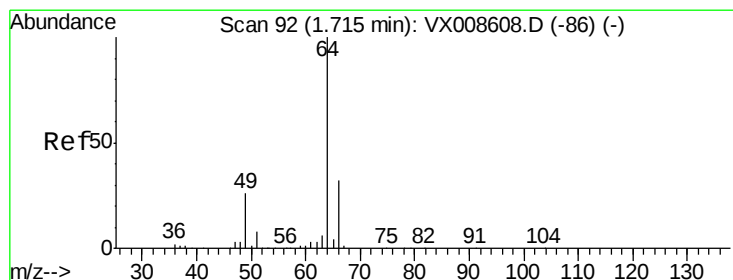
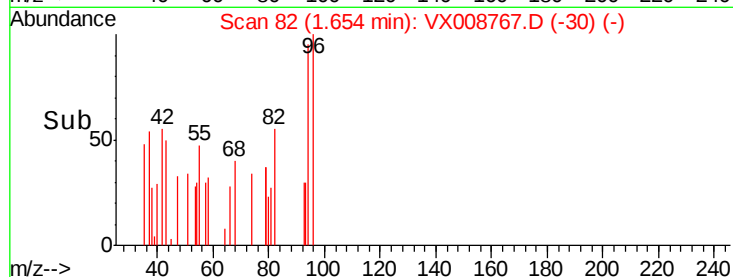
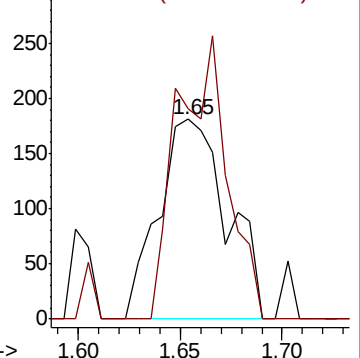
94 100

96 105.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008767.D

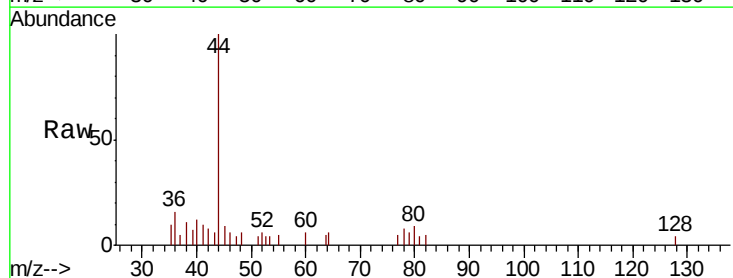
Acq: 09 Apr 2019 13:41

Tgt Ion: 64 Resp: 179

Ion Ratio Lower Upper

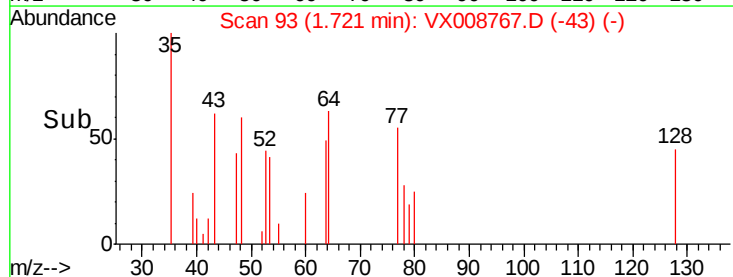
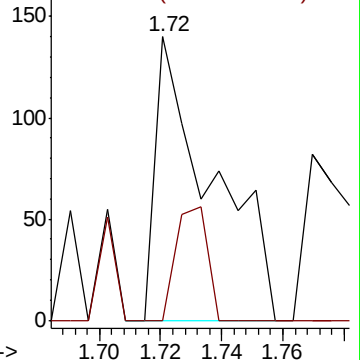
64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

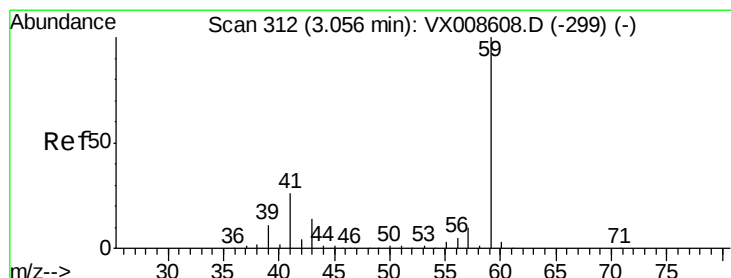
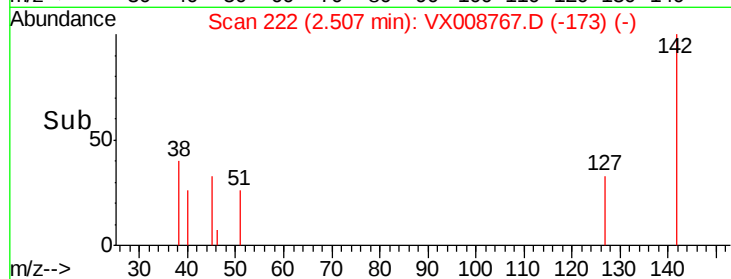
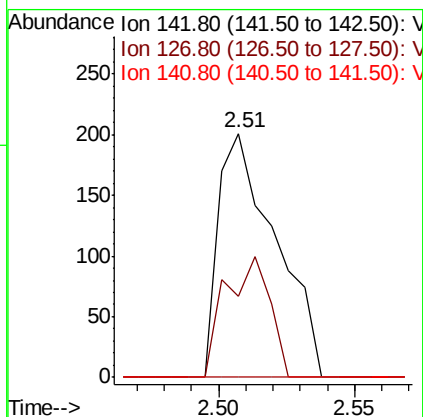
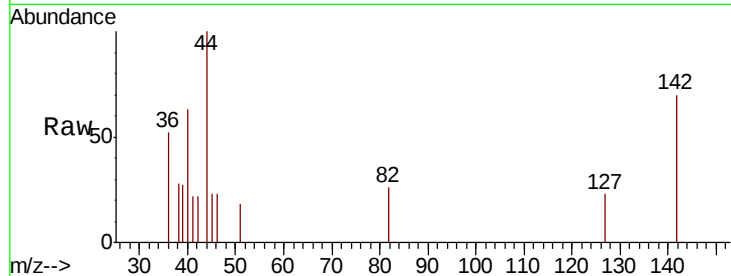




#10
Methyl Iodide
Concen: 4.144 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008767.D
Acq: 09 Apr 2019 13:41

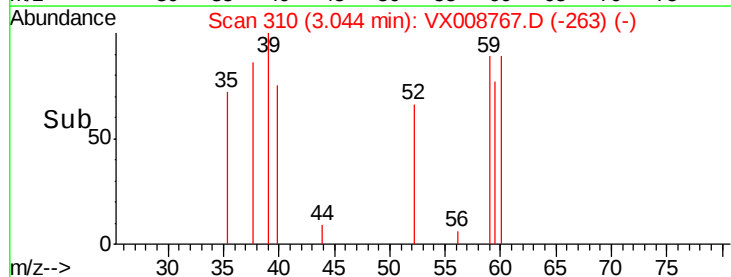
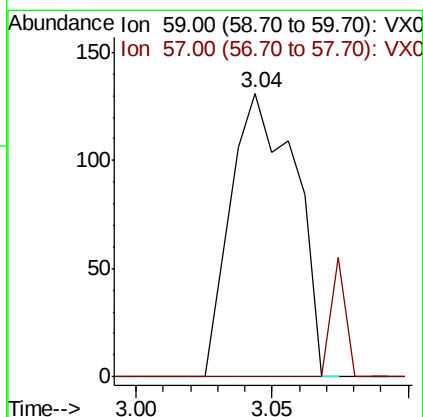
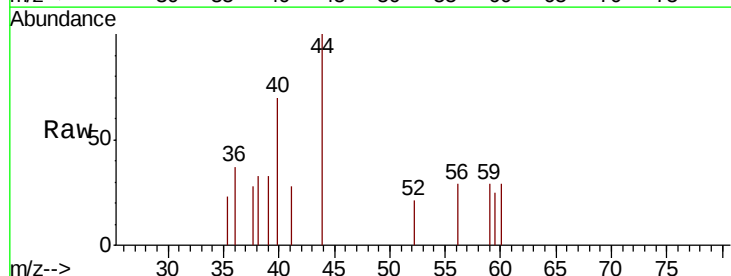
Instrument :
MSVOA_X
ClientSampleId :
VX0409MBL02

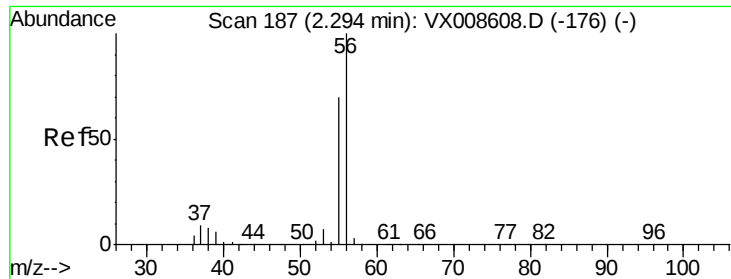
Tgt Ion: 142 Resp: 293
Ion Ratio Lower Upper
142 100
127 38.6 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.331 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008767.D
Acq: 09 Apr 2019 13:41

Tgt Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.995 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

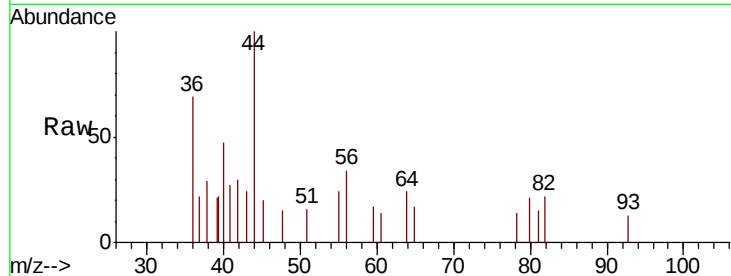
VX0409MBL02

Tgt Ion: 56 Resp: 320

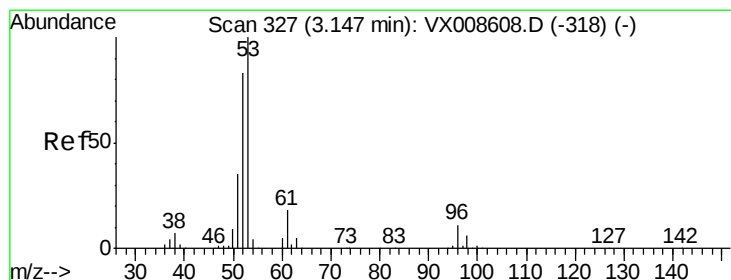
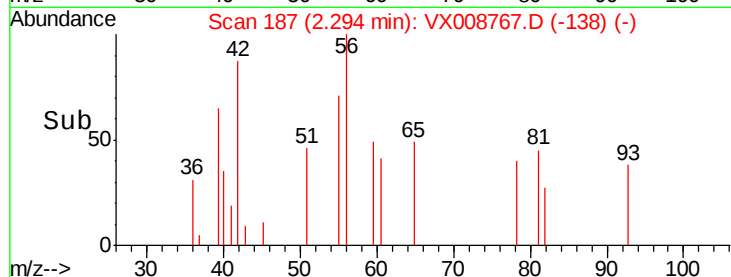
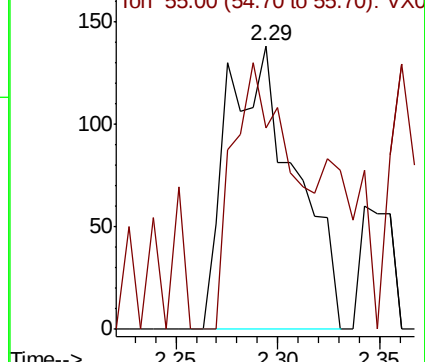
Ion Ratio Lower Upper

56 100

55 83.4 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VX0



#15

Acrylonitrile

Concen: 0.323 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

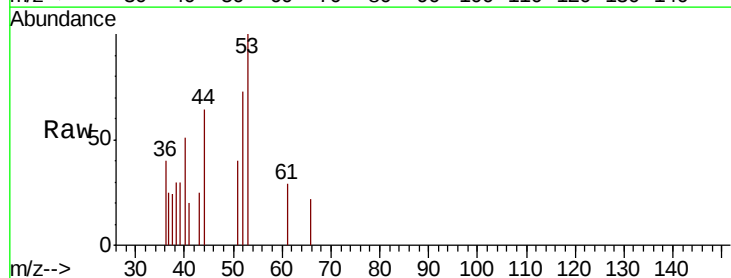
Tgt Ion: 53 Resp: 555

Ion Ratio Lower Upper

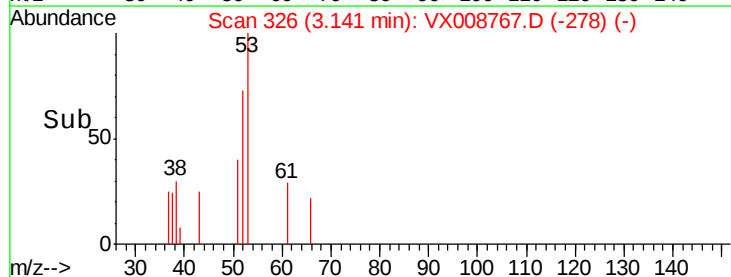
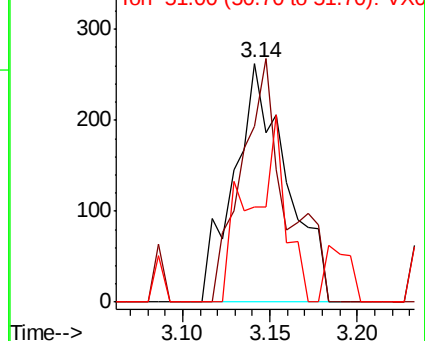
53 100

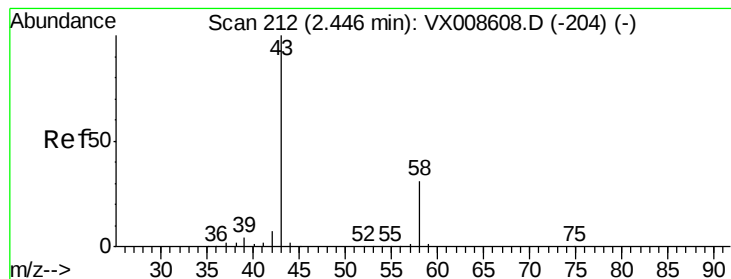
52 85.9 66.5 99.7

51 51.4 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0





#16

Acetone

Concen: 0.445 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

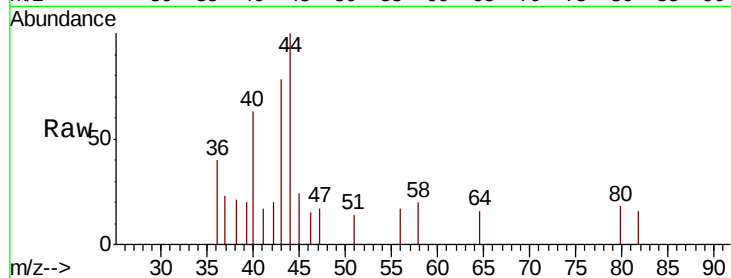
VX0409MBL02

Tgt Ion: 43 Resp: 710

Ion Ratio Lower Upper

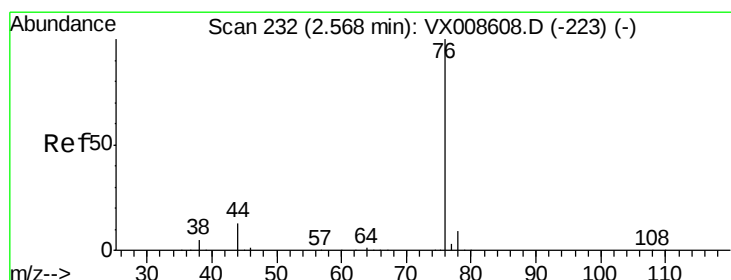
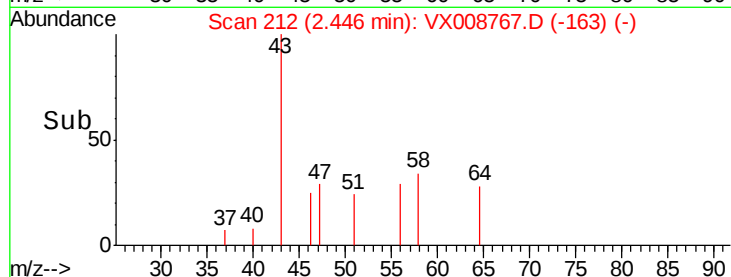
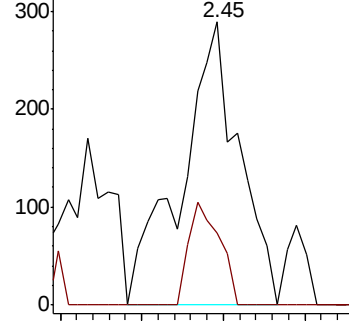
43 100

58 25.3 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008767.D

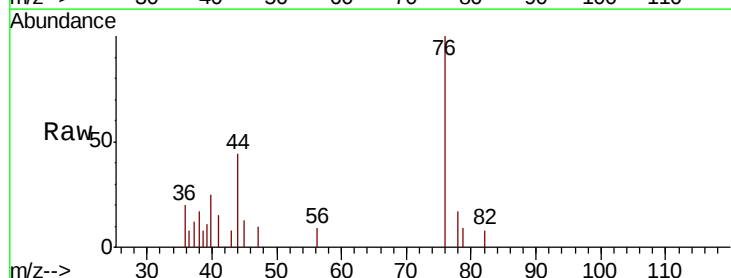
Acq: 09 Apr 2019 13:41

Tgt Ion: 76 Resp: 1187

Ion Ratio Lower Upper

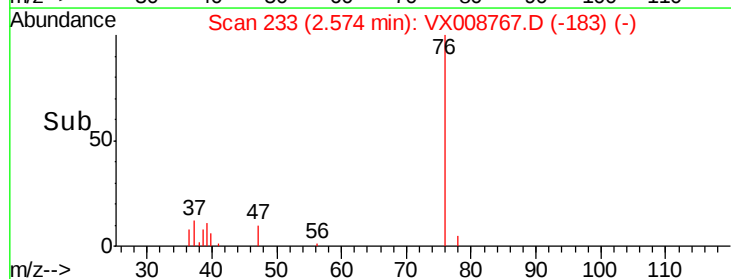
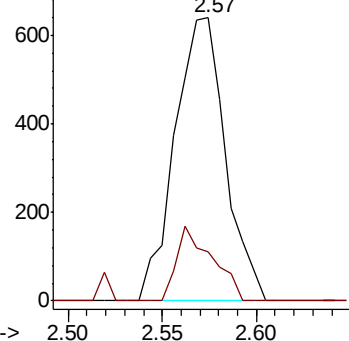
76 100

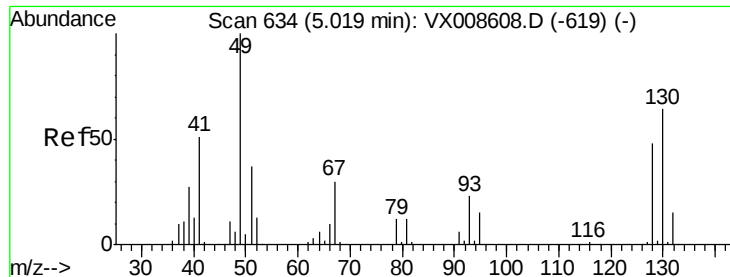
78 17.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

VX0409MBL02

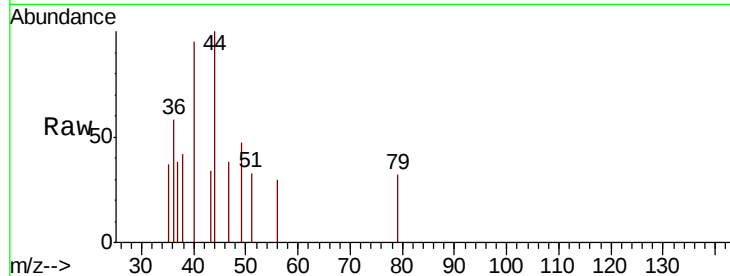
Tgt Ion: 49 Resp: 79

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

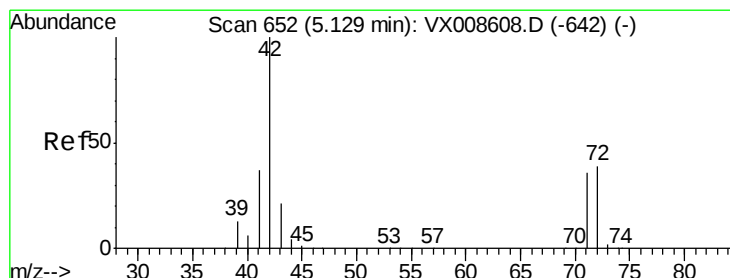
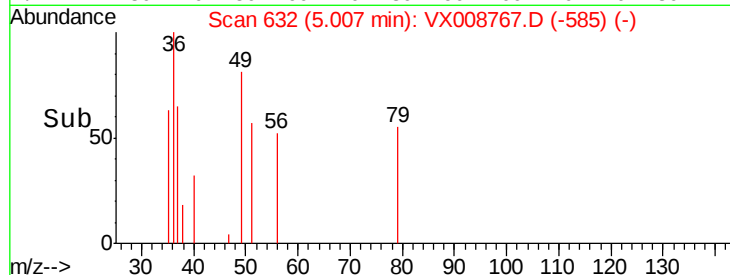
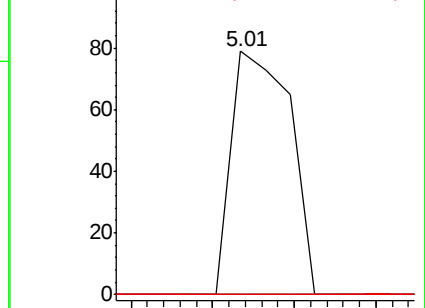
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.597 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

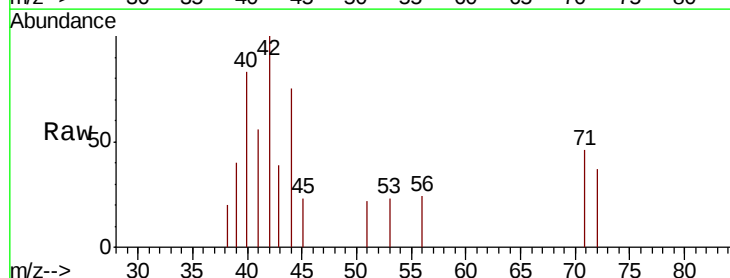
Tgt Ion: 42 Resp: 1000

Ion Ratio Lower Upper

42 100

72 16.6 30.5 45.7#

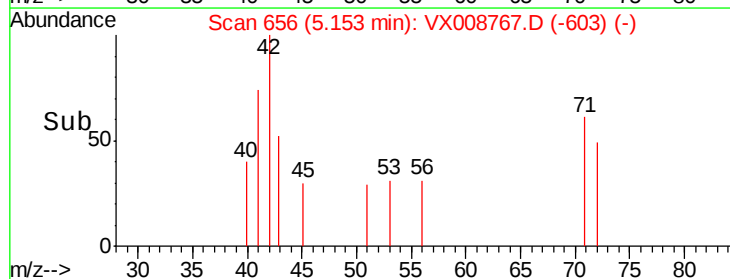
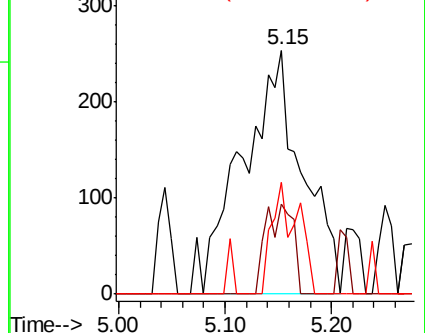
71 19.8 28.6 43.0#

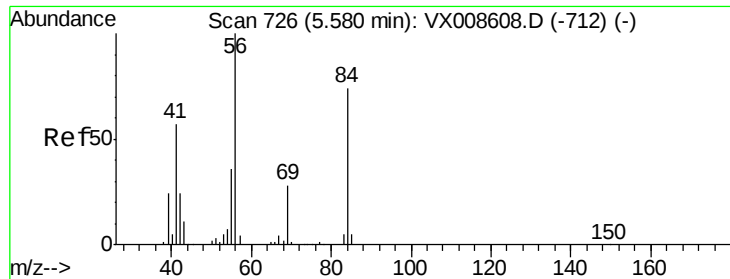


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

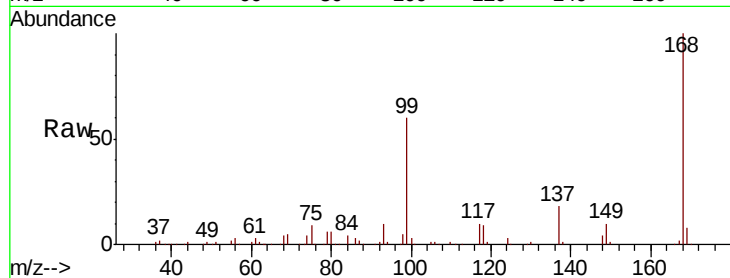




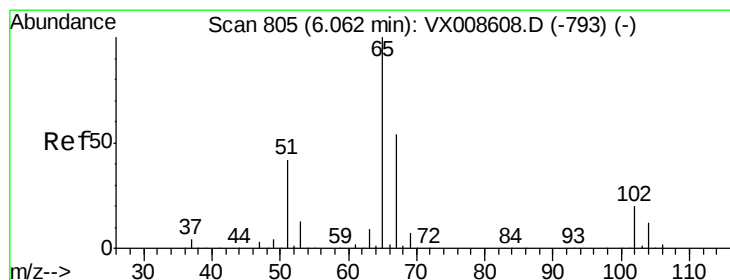
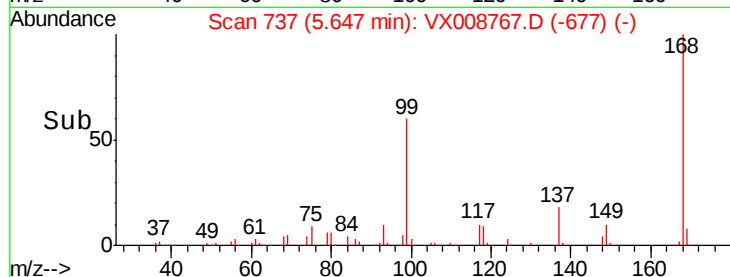
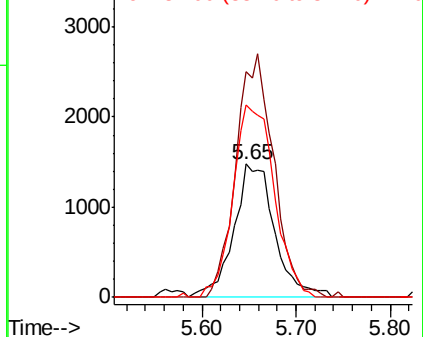
#31
Cyclohexane
Concen: 0.930 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX008767.D
Acq: 09 Apr 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0409MBL02

Tgt Ion: 56 Resp: 4453
Ion Ratio Lower Upper
56 100
69 170.0 22.6 33.8#
84 144.9 59.3 88.9#

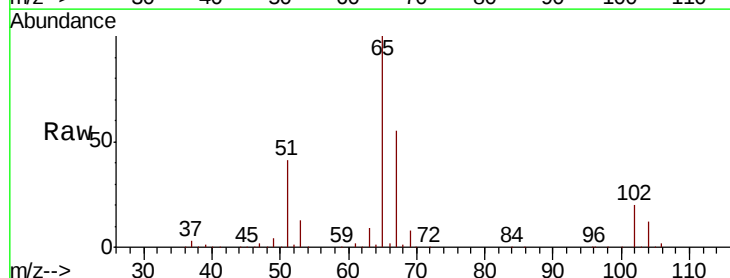


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

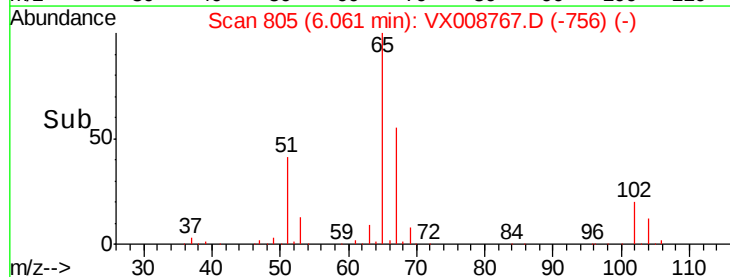
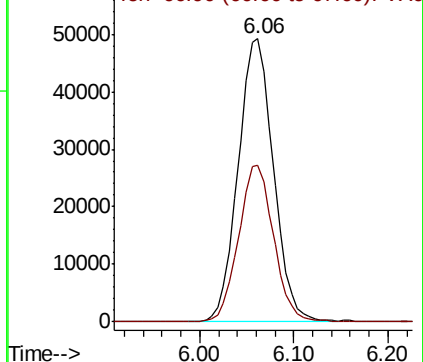


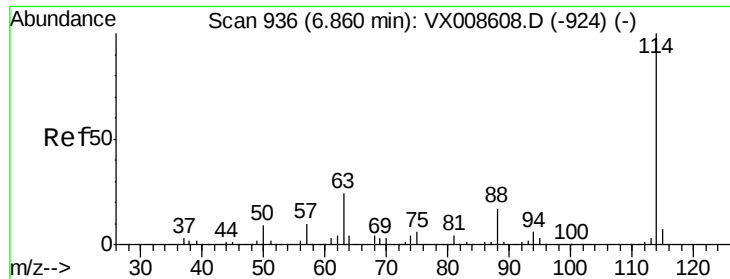
#33
1,2-Dichloroethane-d4
Concen: 46.301 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008767.D
Acq: 09 Apr 2019 13:41

Tgt Ion: 65 Resp: 128324
Ion Ratio Lower Upper
65 100
67 55.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

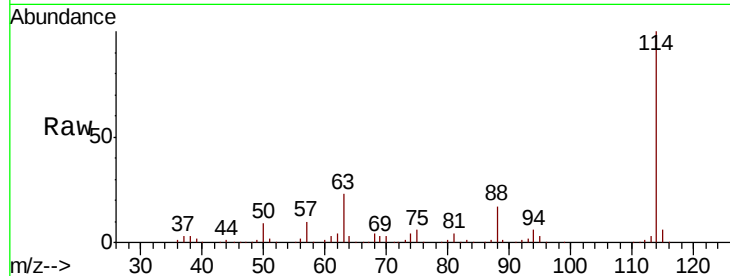




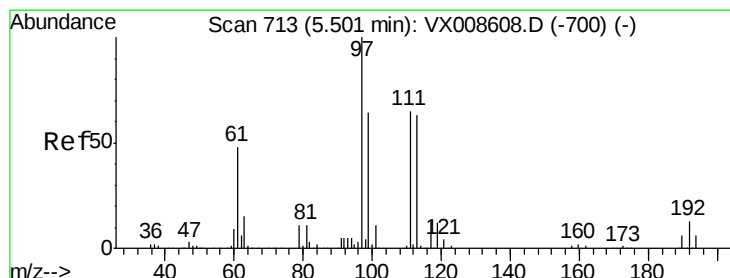
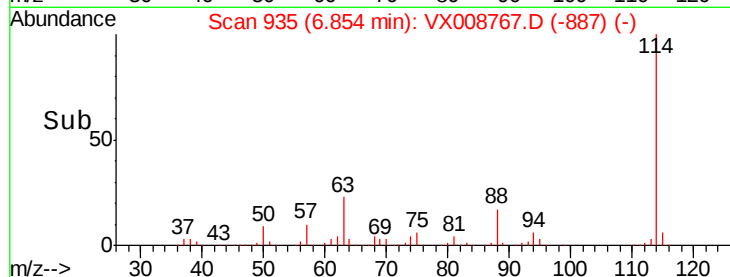
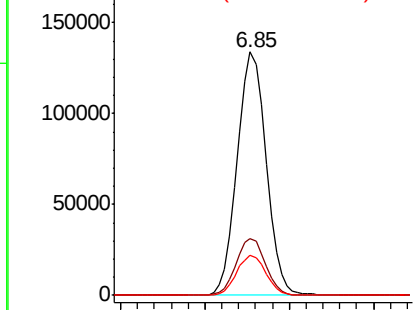
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008767.D
 Acq: 09 Apr 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBL02

Tgt Ion:114 Resp: 312149
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.5 0.0 34.0

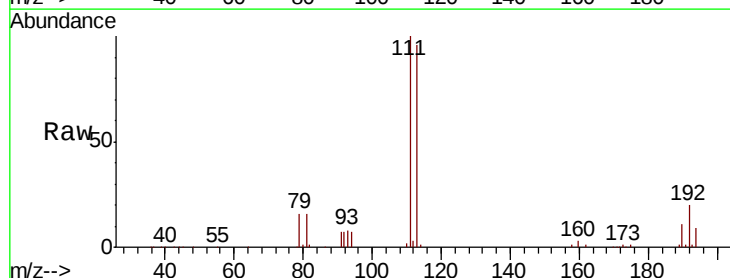


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

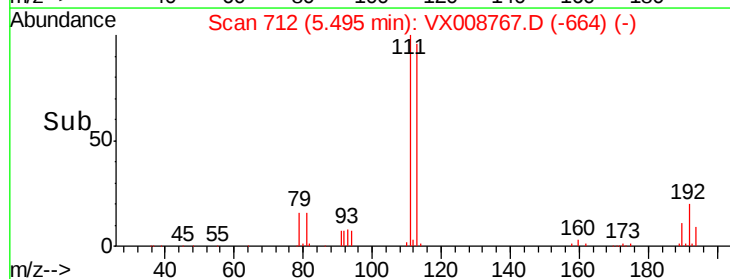
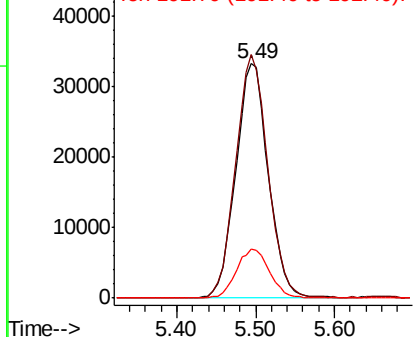


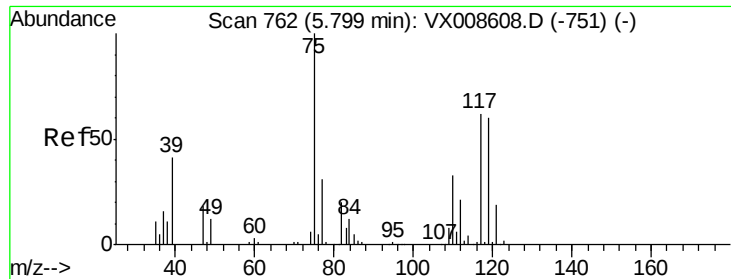
#35
 Dibromofluoromethane
 Concen: 47.709 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008767.D
 Acq: 09 Apr 2019 13:41

Tgt Ion:113 Resp: 95215
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.4 125.2
 192 21.1 16.1 24.1



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

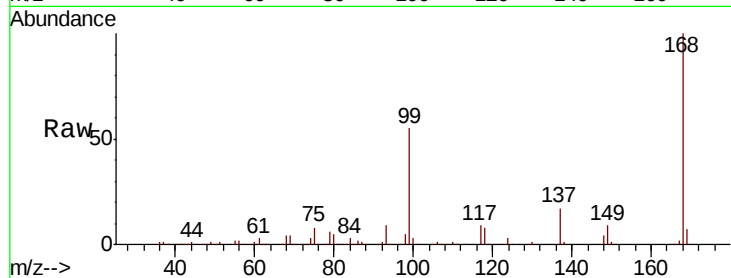




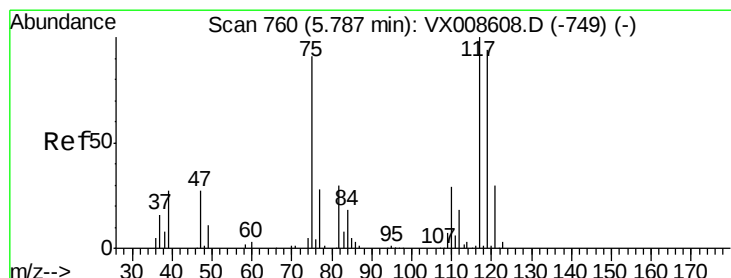
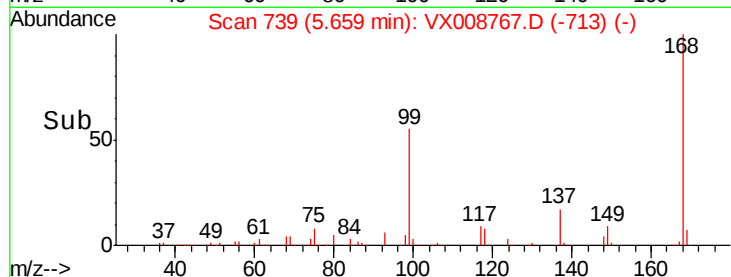
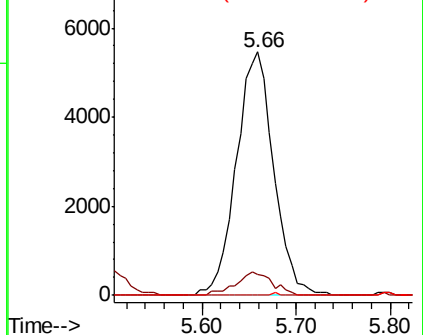
#36
 1,1-Dichloropropene
 Concen: 4.403 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008767.D
 Acq: 09 Apr 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409MBL02

Tgt Ion: 75 Resp: 15024
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.4 49.2#
 77 0.0 24.7 37.1#

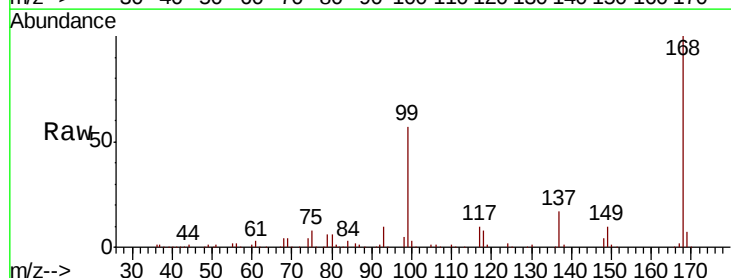


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

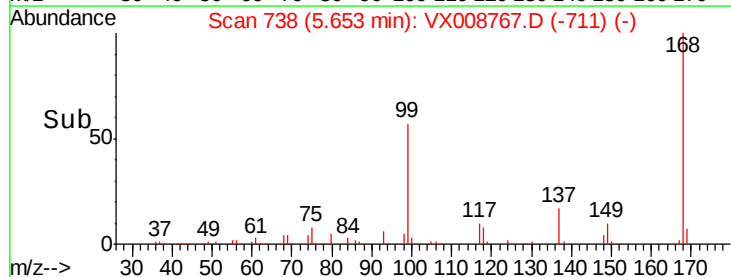
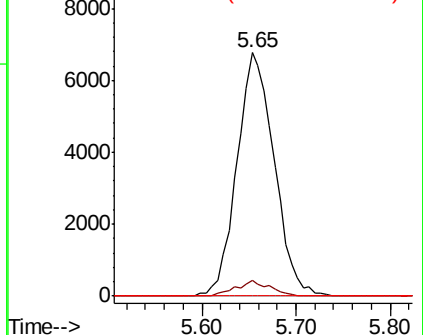


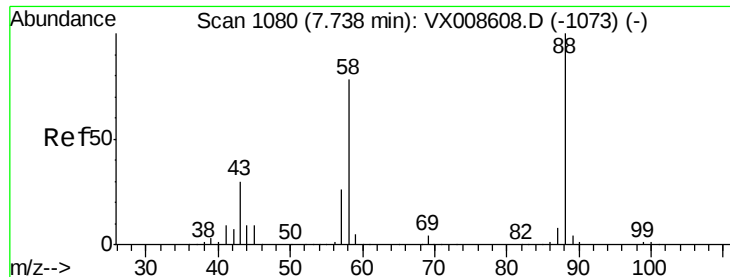
#38
 Carbon Tetrachloride
 Concen: 6.584 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX008767.D
 Acq: 09 Apr 2019 13:41

Tgt Ion: 117 Resp: 18595
 Ion Ratio Lower Upper
 117 100
 119 6.5 75.0 112.6#
 121 0.0 24.3 36.5#



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: 0.266 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Instrument :

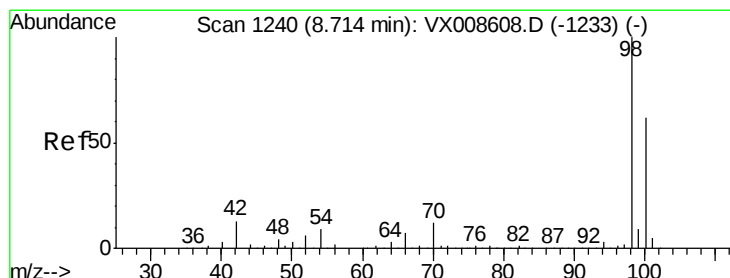
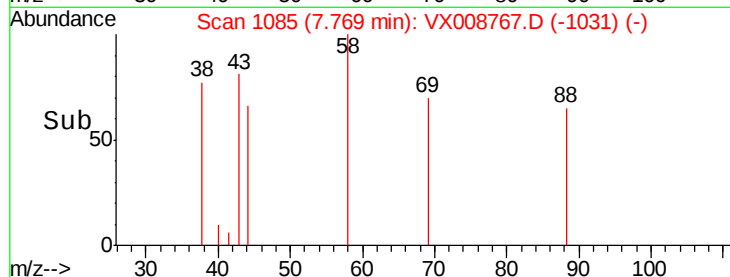
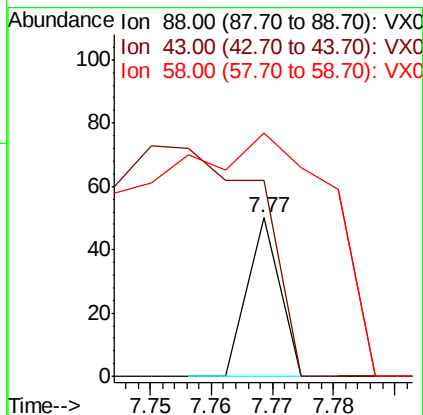
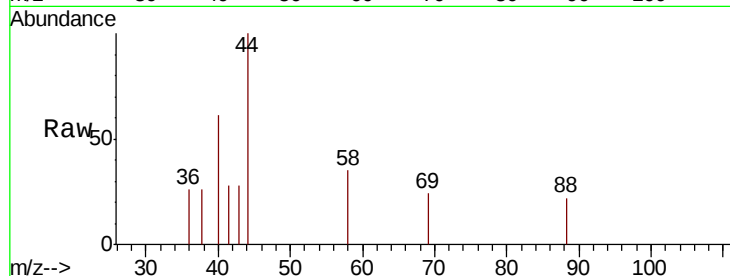
MSVOA_X

ClientSampleId :

VX0409MBL02

Tgt Ion: 88 Resp: 18

Ion	Ratio	Lower	Upper
88	100		
43	666.7	28.6	43.0#
58	1044.4	62.2	93.2#



#50

Toluene-d8

Concen: 49.057 ug/l

RT: 8.71 min Scan# 1240

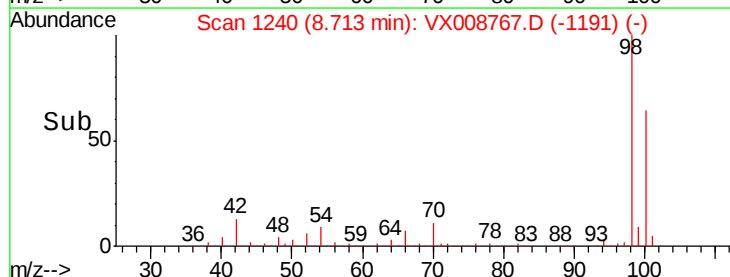
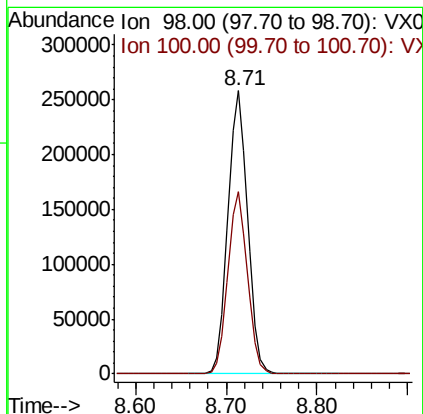
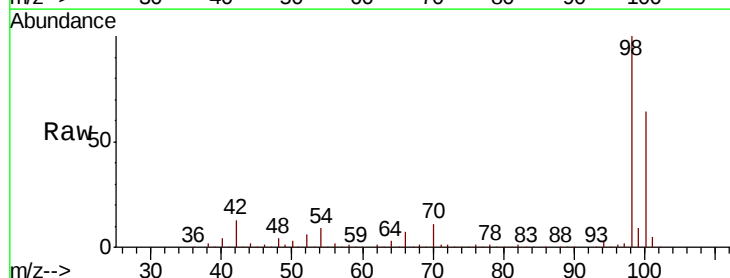
Delta R.T. -0.00 min

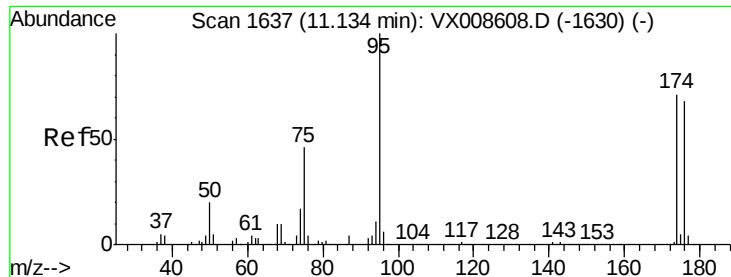
Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Tgt Ion: 98 Resp: 389834

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0





#62

4-Bromofluorobenzene

Concen: 44.049 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

VX0409MBL02

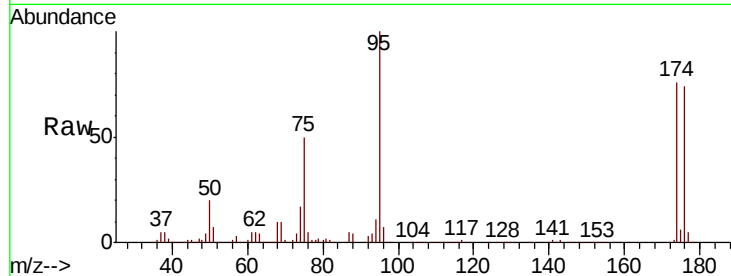
Tgt Ion: 95 Resp: 124130

Ion Ratio Lower Upper

95 100

174 78.4 0.0 151.8

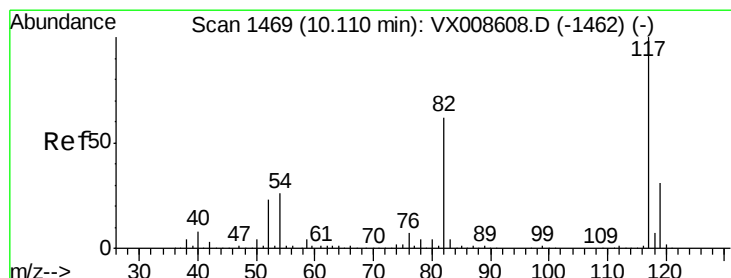
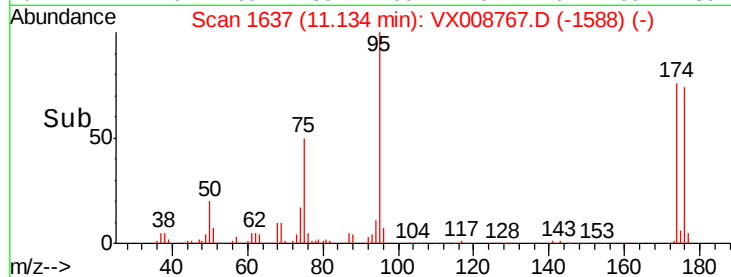
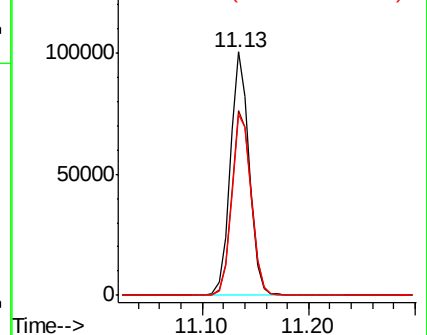
176 76.8 0.0 145.8



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# 1469

Delta R.T. -0.00 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

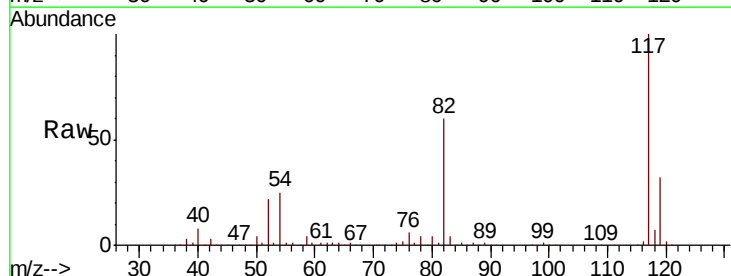
Tgt Ion: 117 Resp: 265248

Ion Ratio Lower Upper

117 100

82 59.7 49.6 74.4

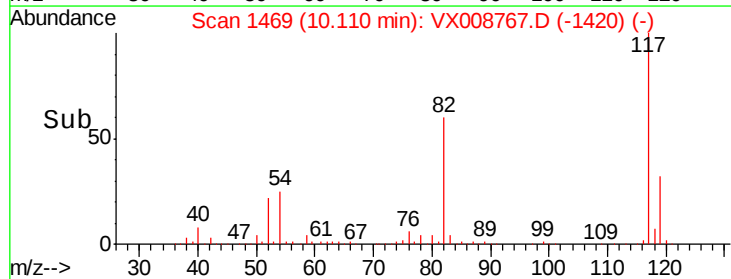
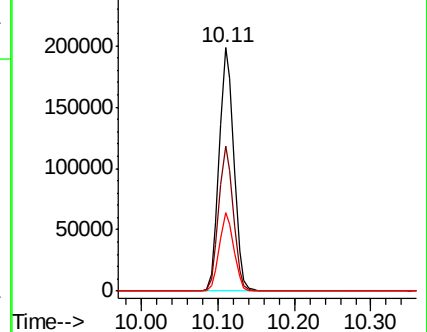
119 32.4 25.0 37.4

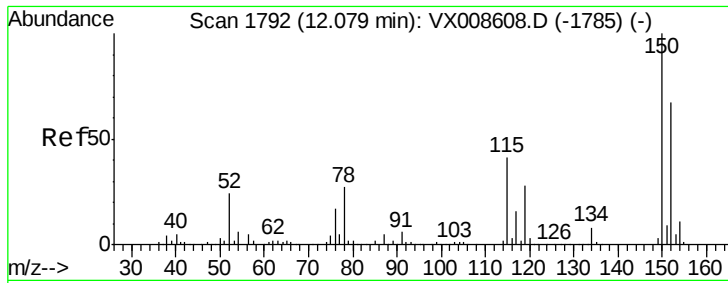


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBL02

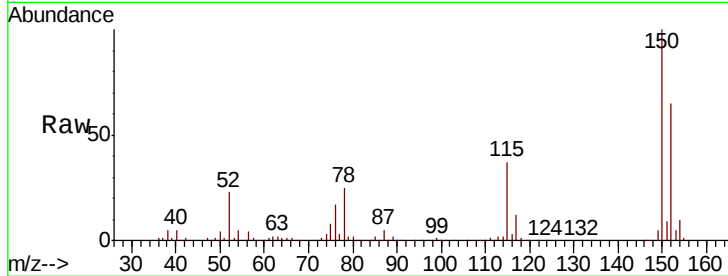
Tgt Ion:152 Resp: 108043

Ion Ratio Lower Upper

152 100

115 60.3 43.5 130.5

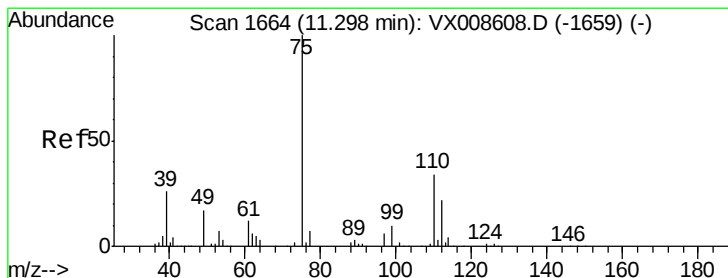
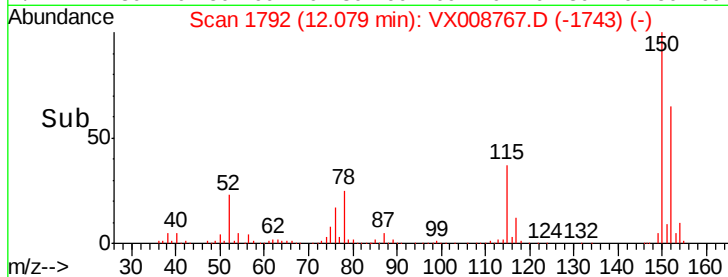
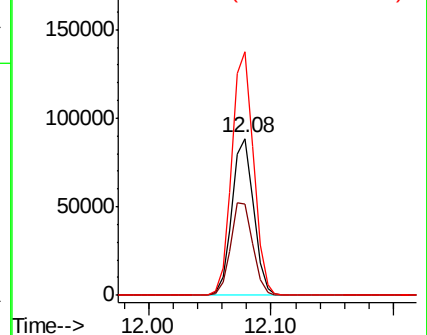
150 156.0 0.0 348.8



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: 21.253 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008767.D

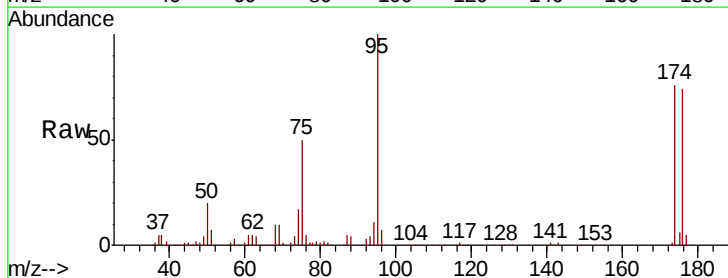
Acq: 09 Apr 2019 13:41

Tgt Ion: 75 Resp: 63079

Ion Ratio Lower Upper

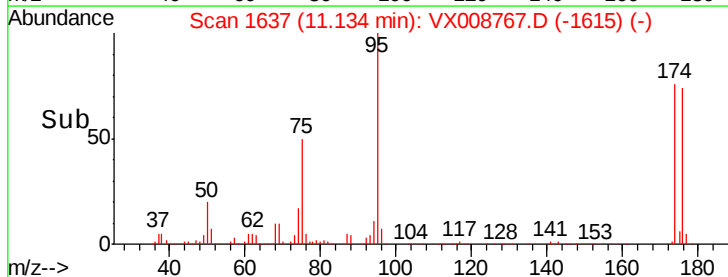
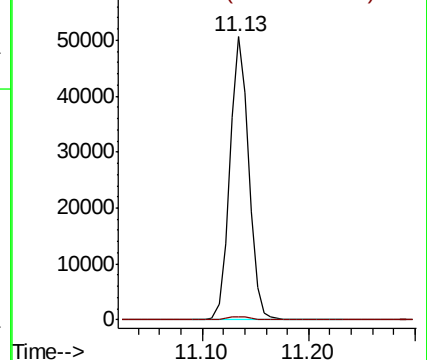
75 100

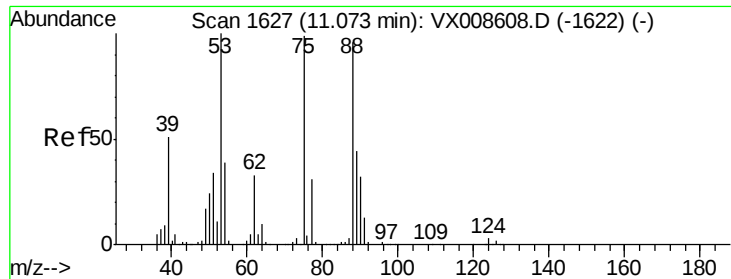
77 1.6 22.3 66.8#



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: 58.584 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008767.D

Acq: 09 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0409MBL02

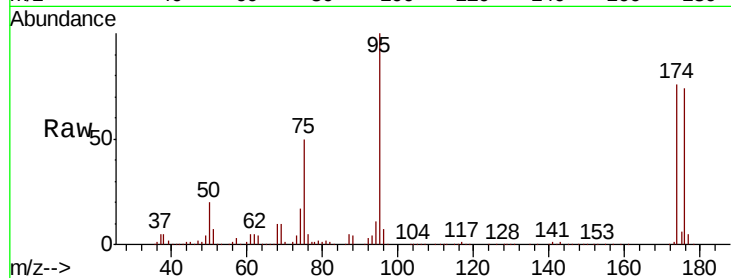
Tgt Ion: 75 Resp: 63079

Ion Ratio Lower Upper

75 100

53 0.2 81.3 121.9#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

