

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
 Data File : VX008625.D
 Acq On : 04 Apr 2019 10:26
 Operator : JC/SP
 Sample : VX0404WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBL01

Quant Time: Apr 05 07:01:52 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	198946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	332690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116353	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	139861	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
35) Dibromofluoromethane	5.49	113	103843	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	
50) Toluene-d8	8.71	98	413797	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	137105	45.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.30%	

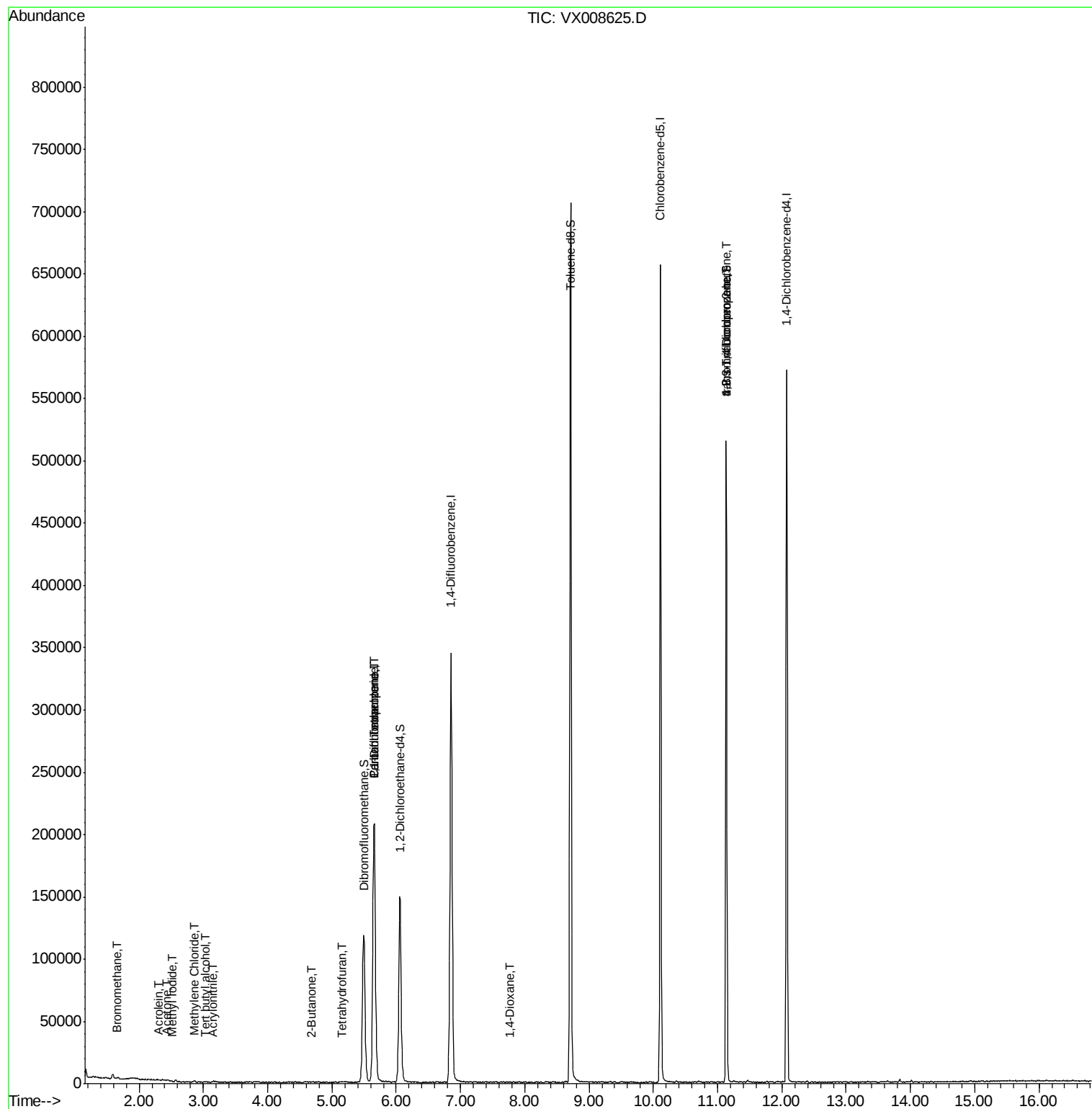
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	611	Below Cal	#	74
5) Bromomethane	1.65	94	508	2.206	ug/l	84
6) Chloroethane	1.72	64	128	Below Cal	#	43
10) Methyl Iodide	2.51	142	415	4.193	ug/l #	76
11) Tert butyl alcohol	3.04	59	307	0.452	ug/l #	76
13) Acrolein	2.29	56	240	0.712	ug/l #	52
15) Acrylonitrile	3.14	53	696	0.387	ug/l	99
16) Acetone	2.43	43	735	0.440	ug/l #	81
17) Carbon Disulfide	2.57	76	1576	Below Cal		99
20) Methylene Chloride	2.86	84	571	0.204	ug/l #	84
25) 2-Butanone	4.69	43	1021	0.387	ug/l #	53
28) Bromochloromethane	5.01	49	242	Below Cal	#	32
29) Tetrahydrofuran	5.15	42	964	0.550	ug/l #	38
36) 1,1-Dichloropropene	5.66	75	16173	4.447	ug/l #	51
38) Carbon Tetrachloride	5.66	117	19390	6.442	ug/l #	17
49) 1,4-Dioxane	7.76	88	42	0.583	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70215	21.967	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70215	60.554	ug/l #	9

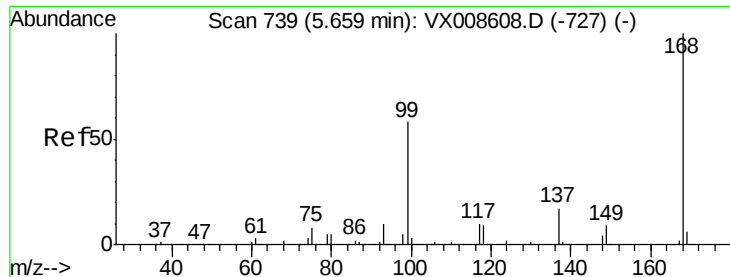
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

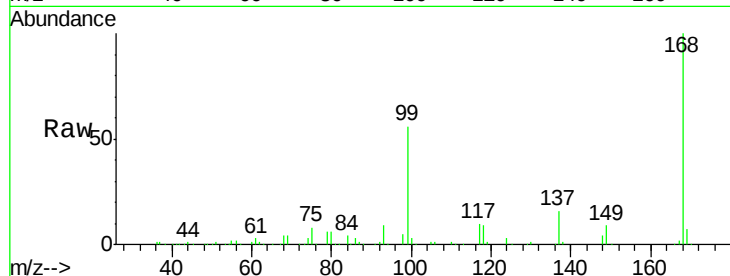
VX0404WBL01

Tgt Ion:168 Resp: 198946

Ion Ratio Lower Upper

168 100

99 56.2 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

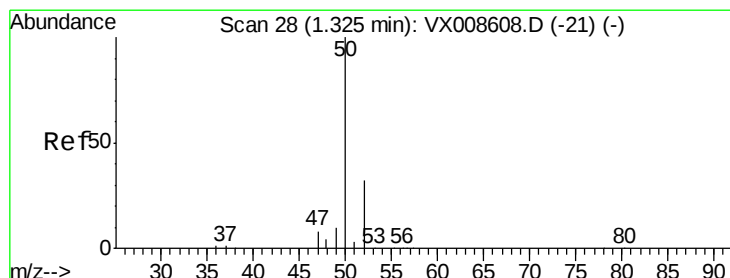
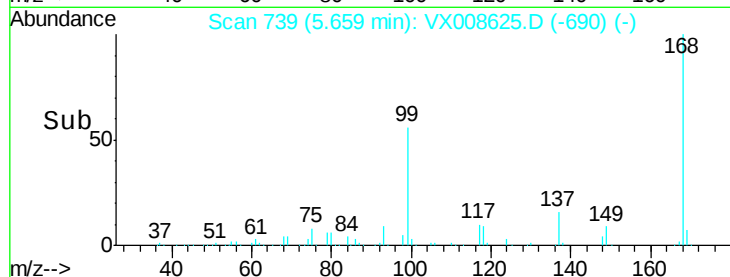
60000

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: VX008625.D

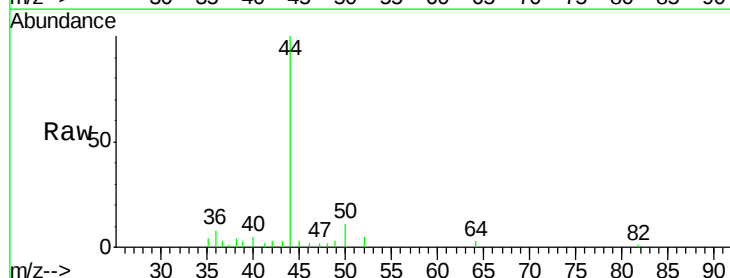
Acq: 04 Apr 2019 10:26

Tgt Ion: 50 Resp: 611

Ion Ratio Lower Upper

50 100

52 46.7 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

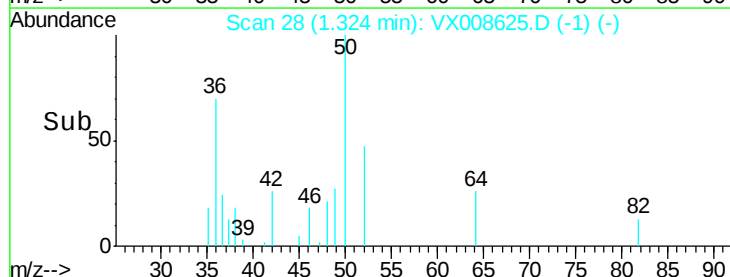
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.206 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

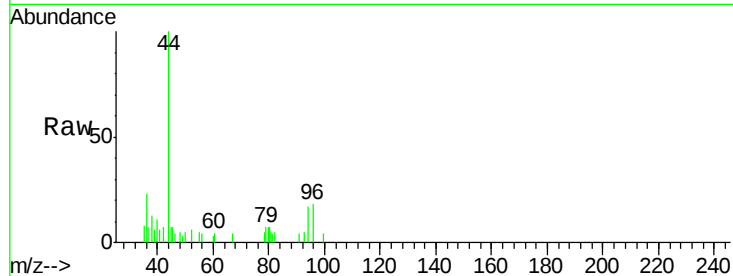
VX0404WBL01

Tgt Ion: 94 Resp: 508

Ion Ratio Lower Upper

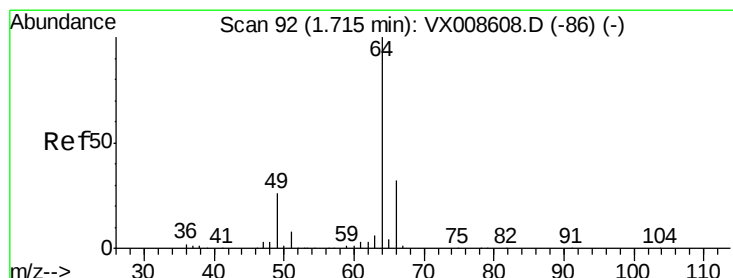
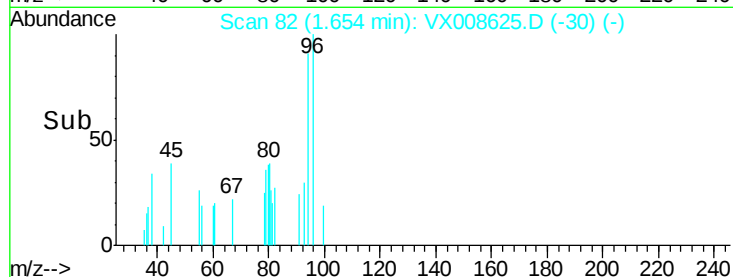
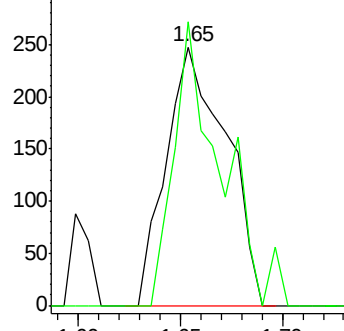
94 100

96 109.7 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: VX008625.D

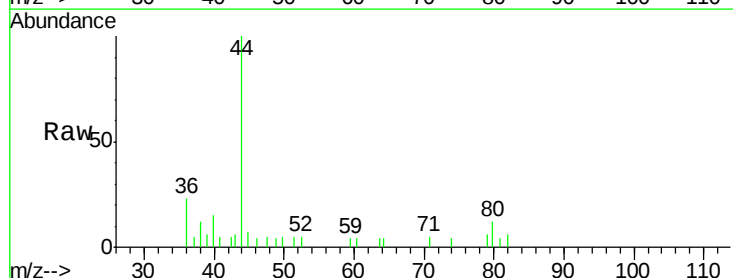
Acq: 04 Apr 2019 10:26

Tgt Ion: 64 Resp: 128

Ion Ratio Lower Upper

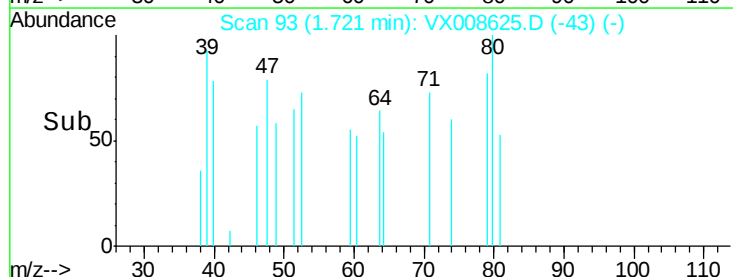
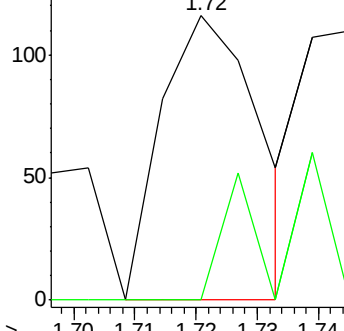
64 100

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

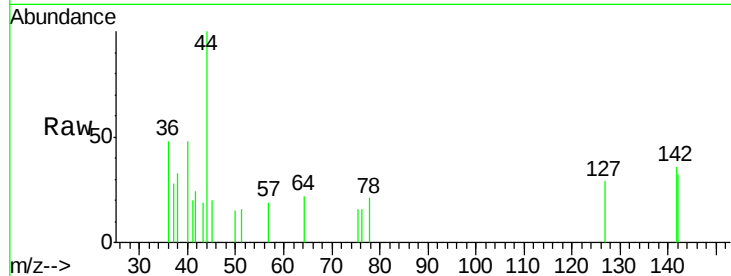




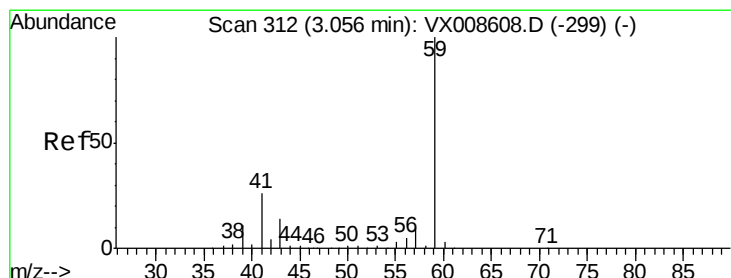
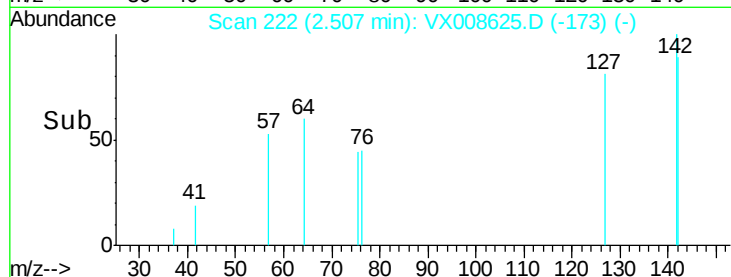
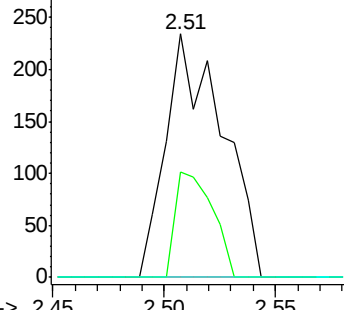
#10
Methyl Iodide
Concen: 4.193 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008625.D
Acq: 04 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL01

Tgt Ion: 142 Resp: 415
Ion Ratio Lower Upper
142 100
127 28.7 33.0 49.6#
141 0.0 11.4 17.2#

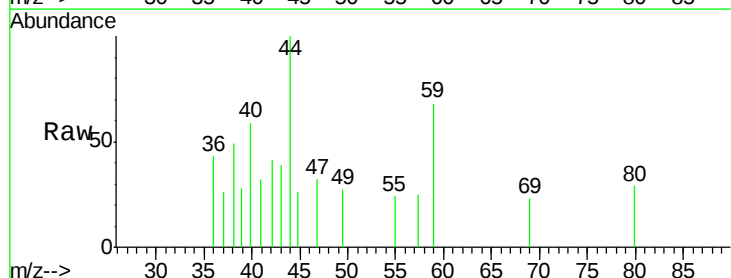


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

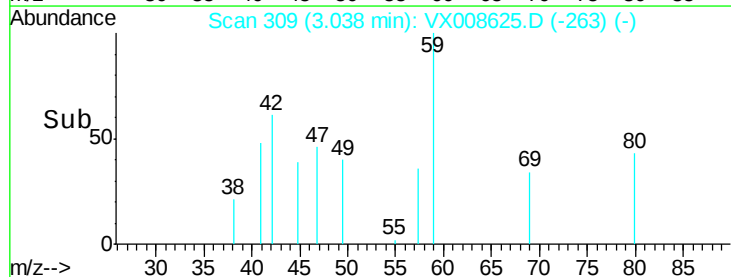
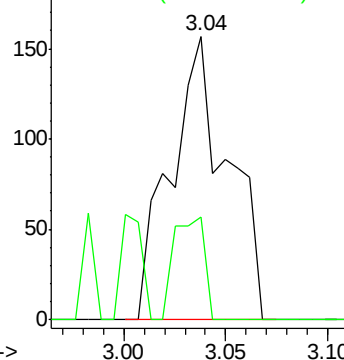


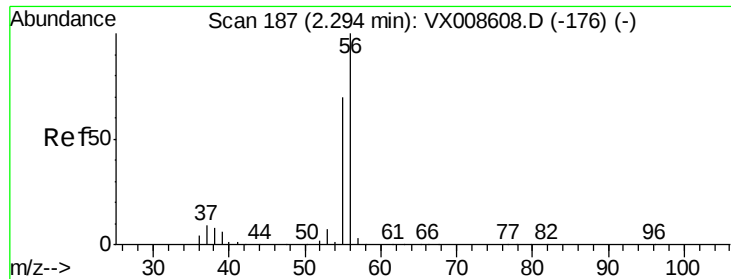
#11
Tert butyl alcohol
Concen: 0.452 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008625.D
Acq: 04 Apr 2019 10:26

Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
57 19.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.712 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

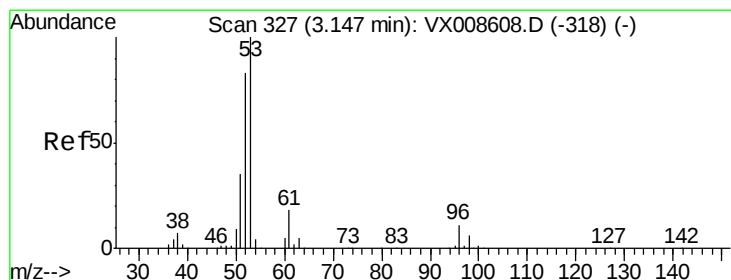
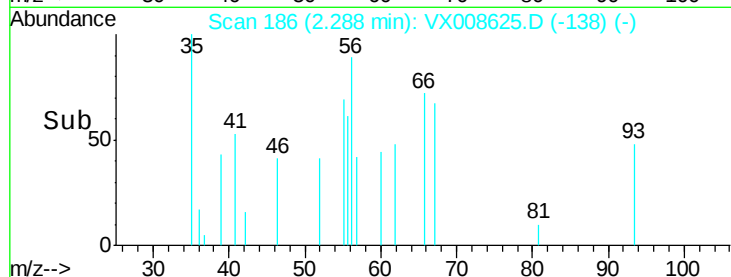
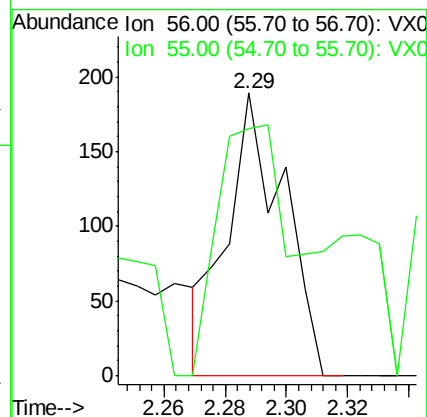
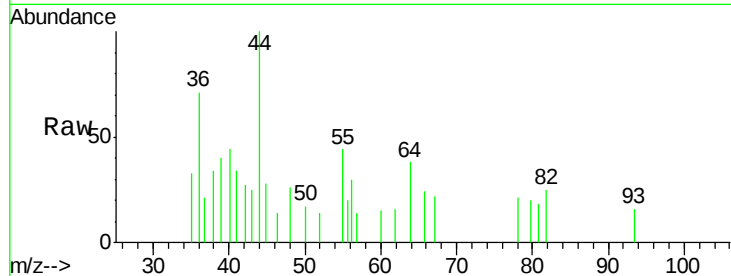
VX0404WBL01

Tgt Ion: 56 Resp: 240

Ion Ratio Lower Upper

56 100

55 112.9 58.0 87.0#



#15

Acrylonitrile

Concen: 0.387 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

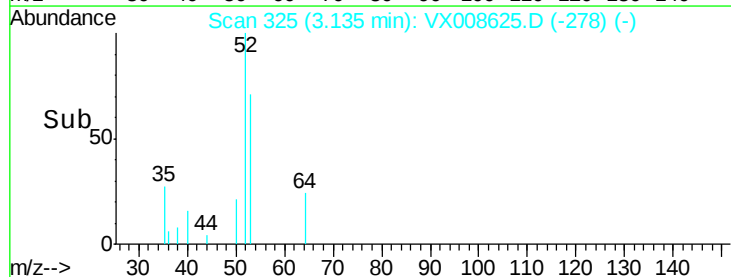
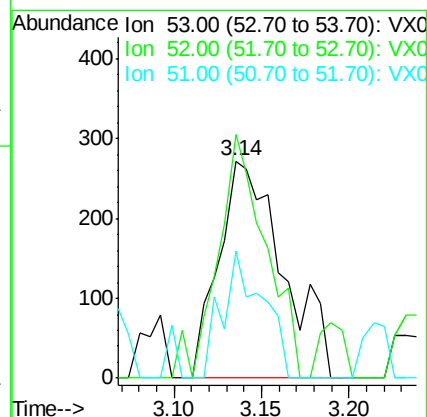
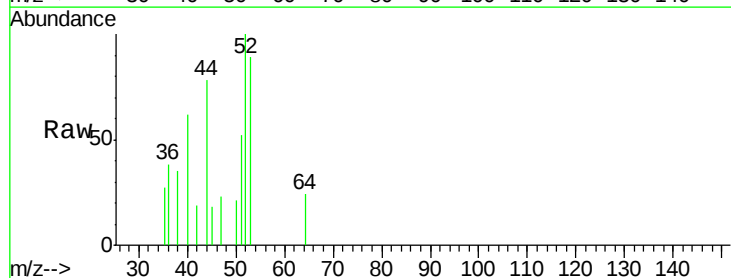
Tgt Ion: 53 Resp: 696

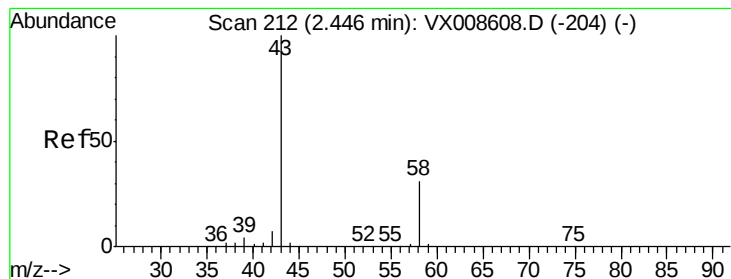
Ion Ratio Lower Upper

53 100

52 83.8 66.5 99.7

51 36.9 28.6 42.8





#16

Acetone

Concen: 0.440 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

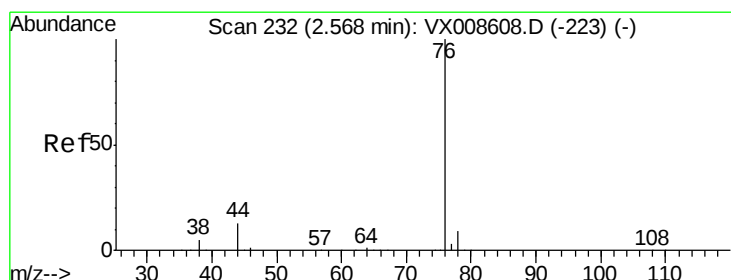
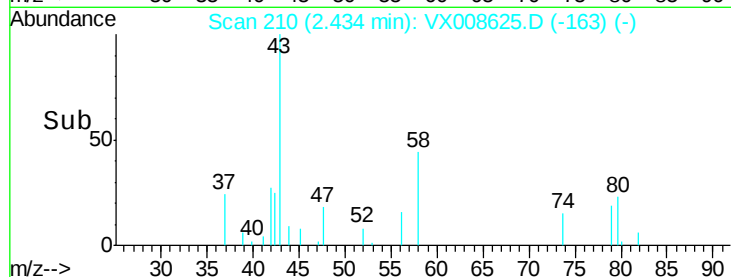
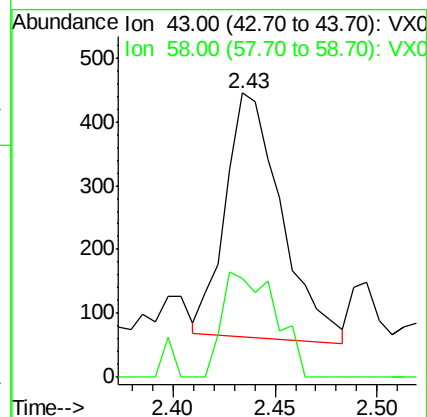
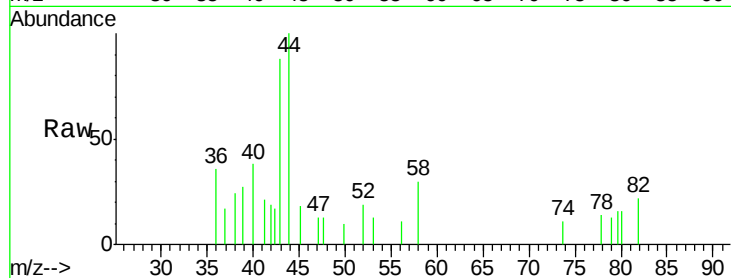
VX0404WBL01

Tgt Ion: 43 Resp: 735

Ion Ratio Lower Upper

43 100

58 41.4 24.8 37.2#



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008625.D

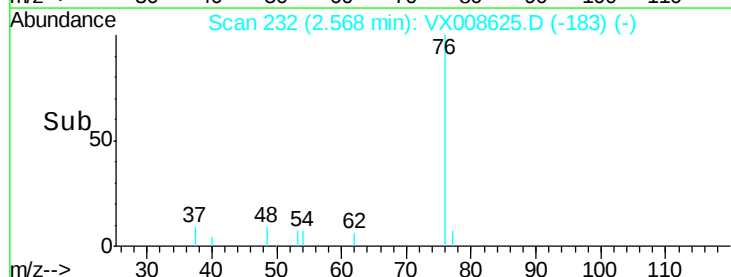
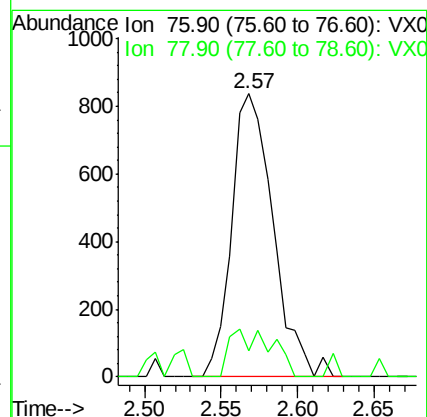
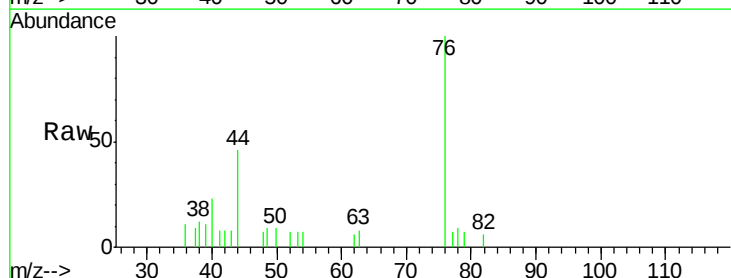
Acq: 04 Apr 2019 10:26

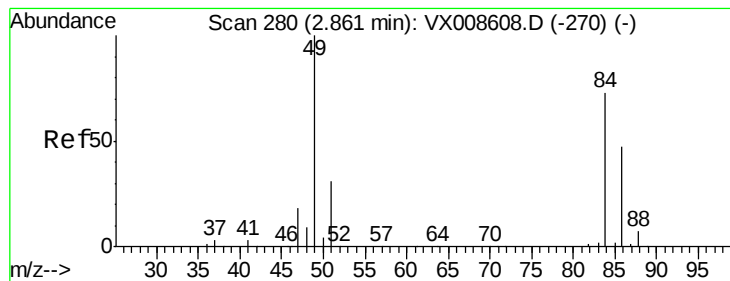
Tgt Ion: 76 Resp: 1576

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7





#20

Methylene Chloride

Concen: 0.204 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBL01

Tgt Ion: 84 Resp: 571

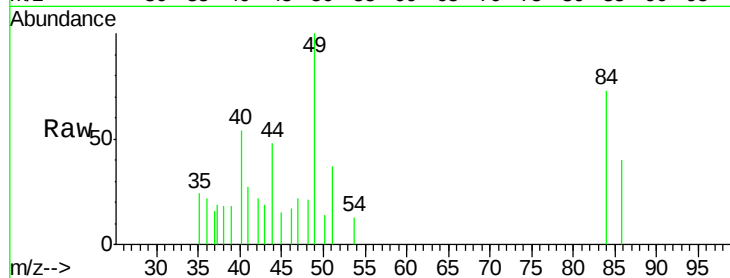
Ion Ratio Lower Upper

84 100

49 116.6 109.7 164.5

51 51.4 33.6 50.4#

86 54.4 51.4 77.2

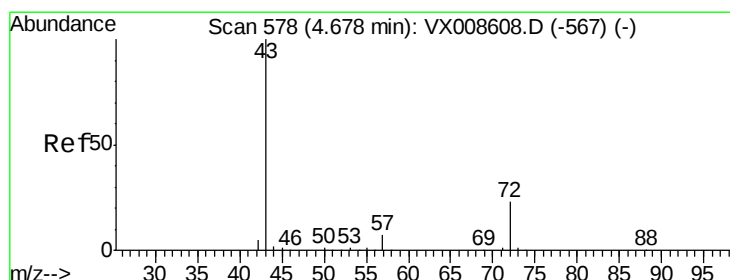
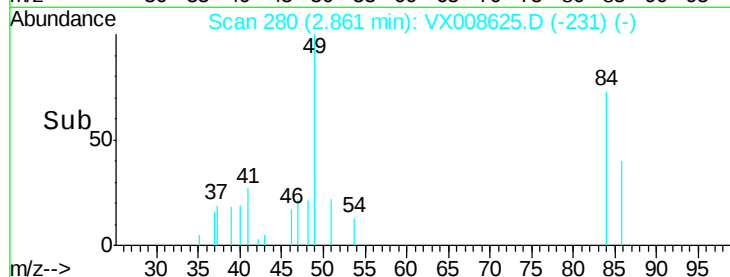
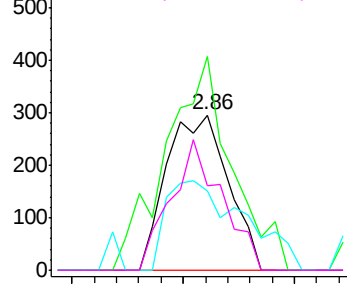


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.387 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX008625.D

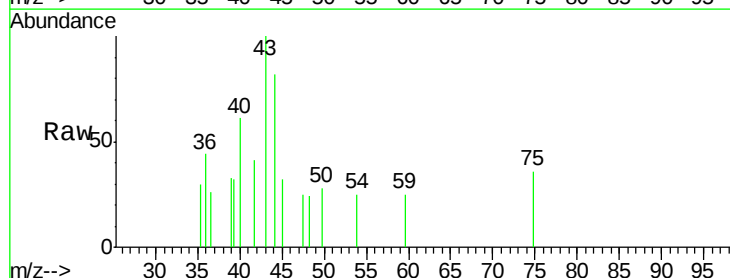
Acq: 04 Apr 2019 10:26

Tgt Ion: 43 Resp: 1021

Ion Ratio Lower Upper

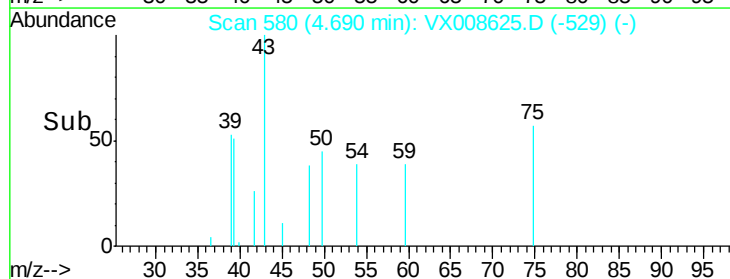
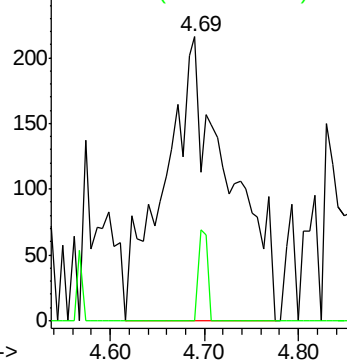
43 100

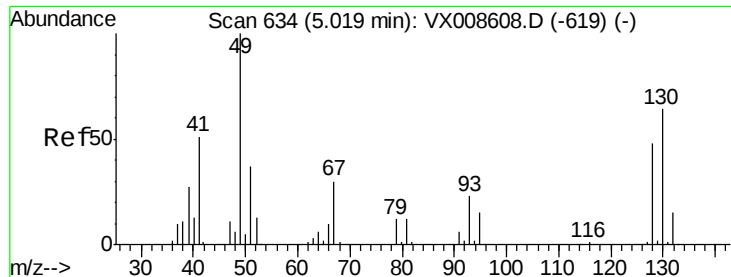
72 0.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

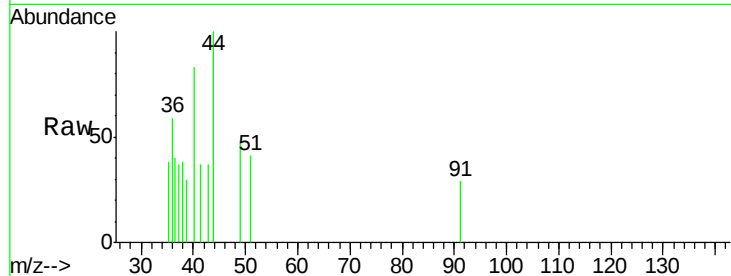
Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampled :
VX0404WBL01

Tgt Ion: 49 Resp: 242

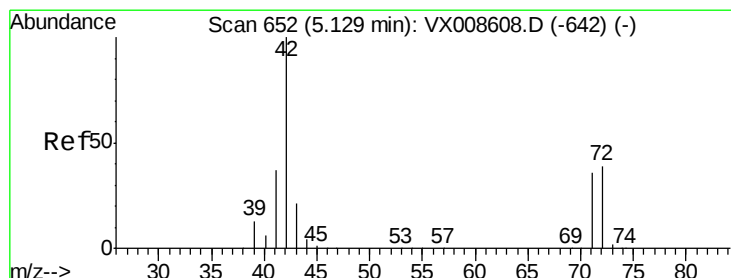
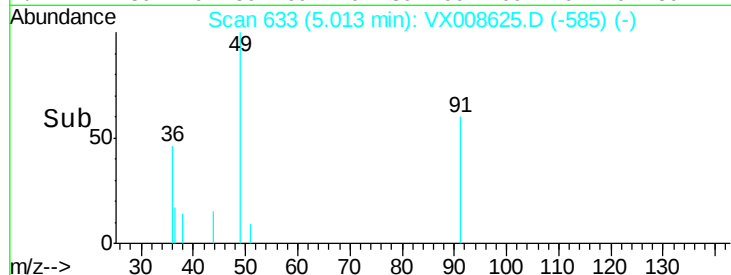
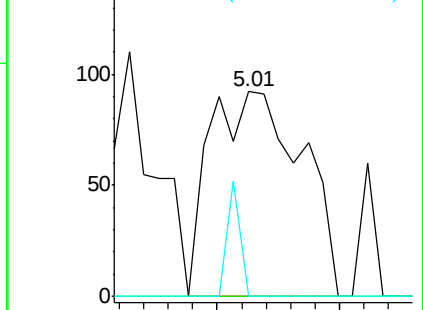
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	7.9	49.3	73.9#



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: 0.550 ug/l

RT: 5.15 min Scan# 656

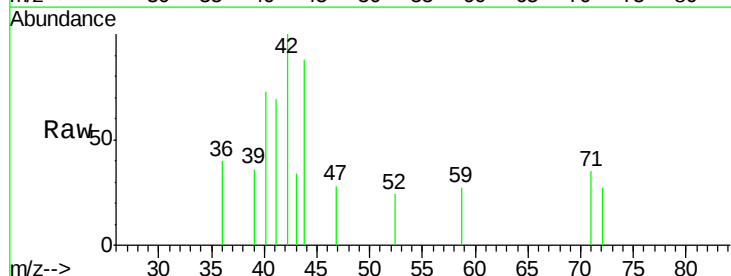
Delta R.T. 0.02 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

Tgt Ion: 42 Resp: 964

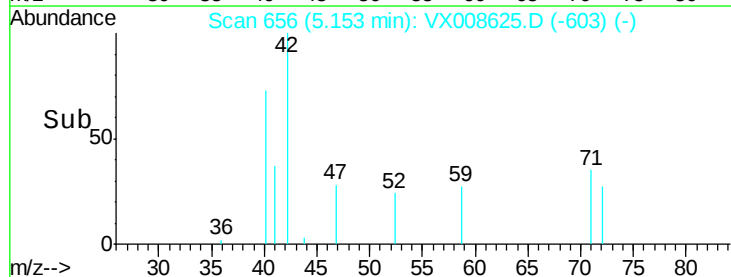
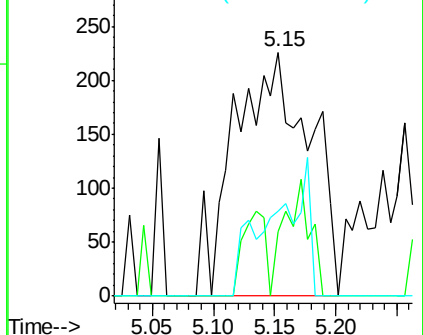
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.5	45.7#
71	0.0	28.6	43.0#

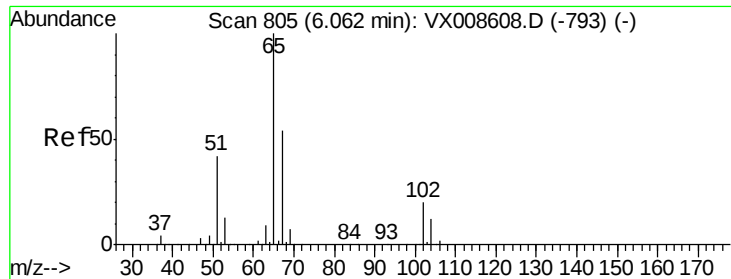


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

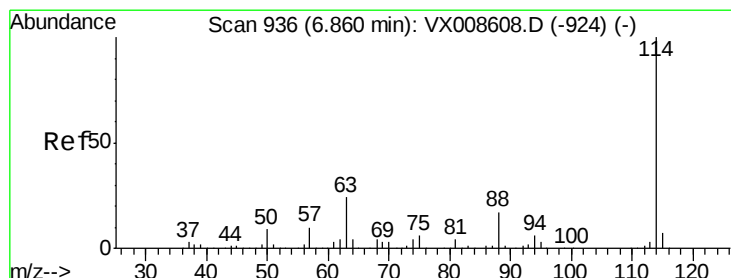
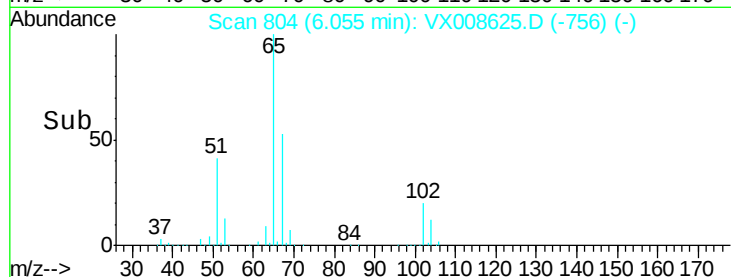
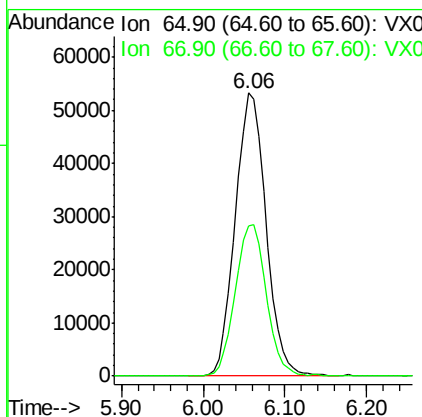
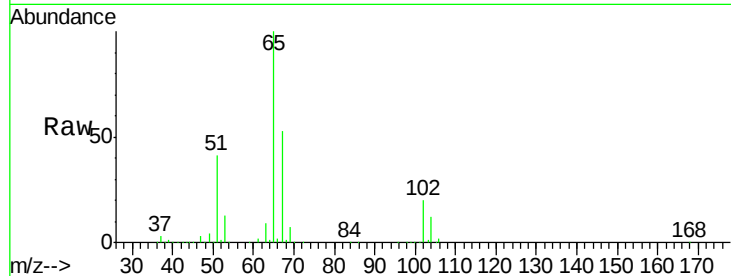




#33
 1,2-Dichloroethane-d4
 Concen: 48.199 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008625.D
 Acq: 04 Apr 2019 10:26

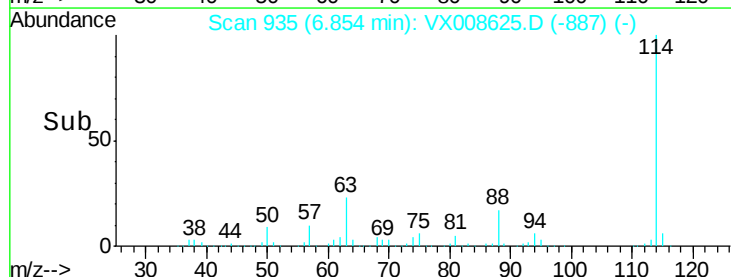
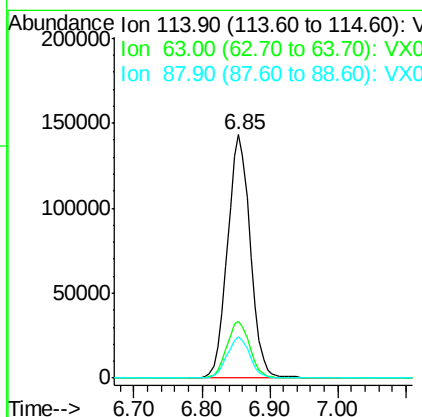
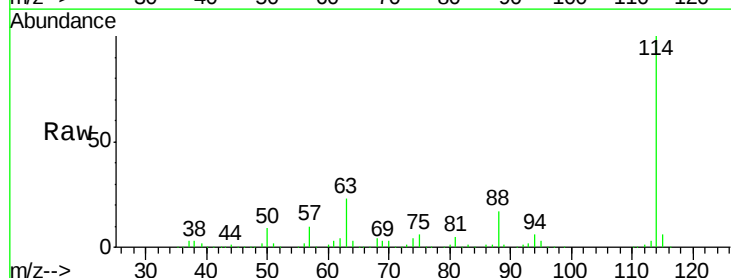
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBL01

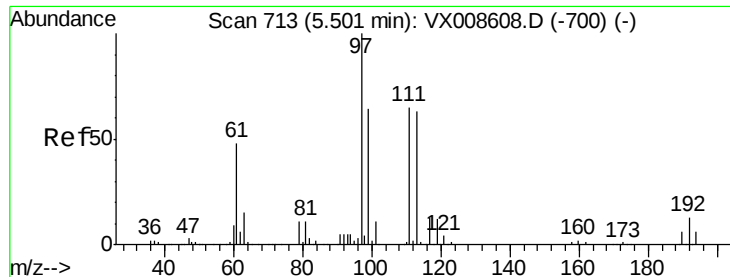
Tgt Ion: 65 Resp: 139861
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008625.D
 Acq: 04 Apr 2019 10:26

Tgt Ion: 114 Resp: 332690
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.8 0.0 34.0

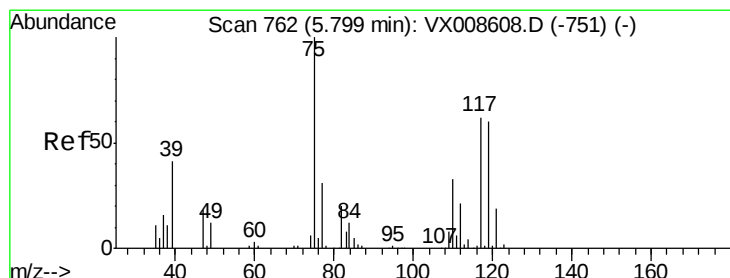
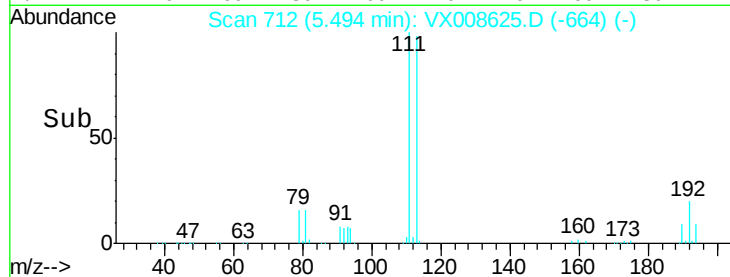
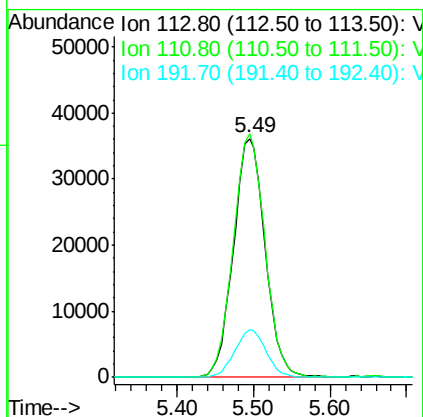
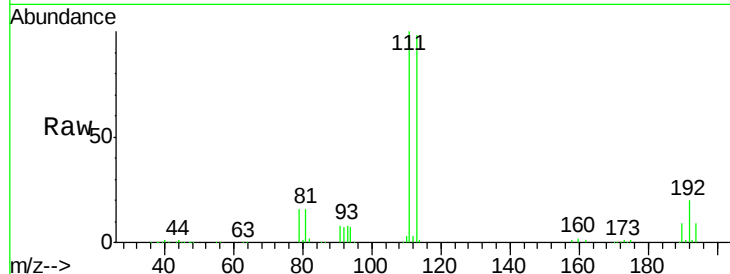




#35
 Dibromofluoromethane
 Concen: 48.819 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008625.D
 Acq: 04 Apr 2019 10:26

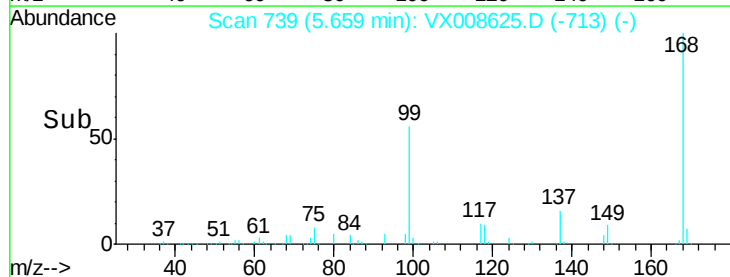
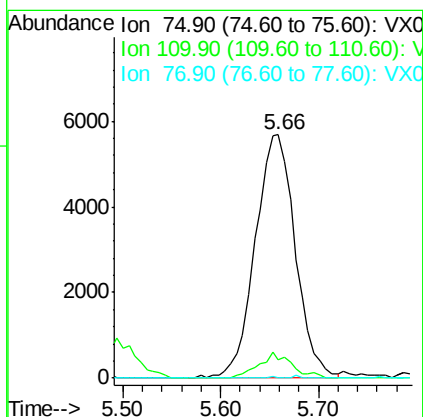
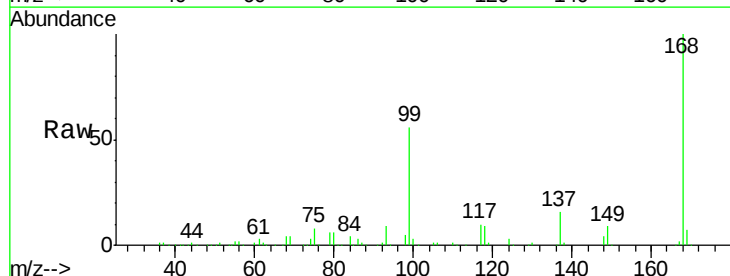
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBL01

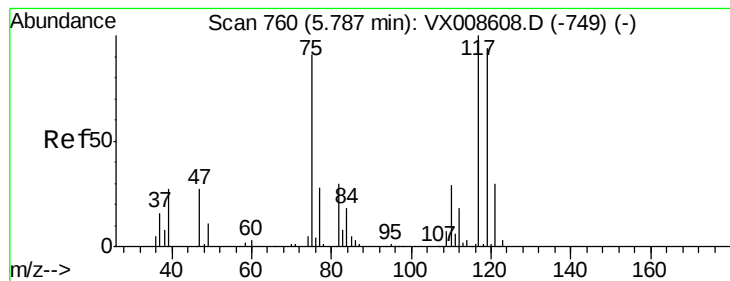
Tgt Ion:113 Resp: 103843
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.4 125.2
 192 19.8 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.447 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008625.D
 Acq: 04 Apr 2019 10:26

Tgt Ion: 75 Resp: 16173
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.4 49.2#
 77 0.1 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.442 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBL01

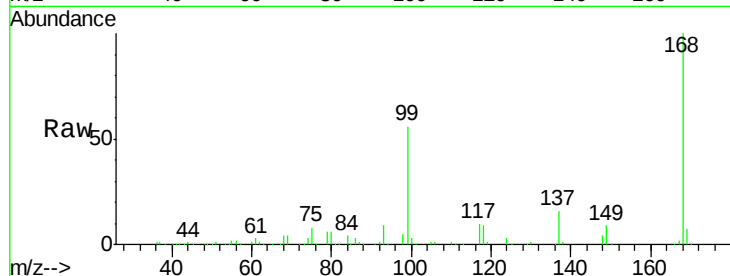
Tgt Ion:117 Resp: 19390

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

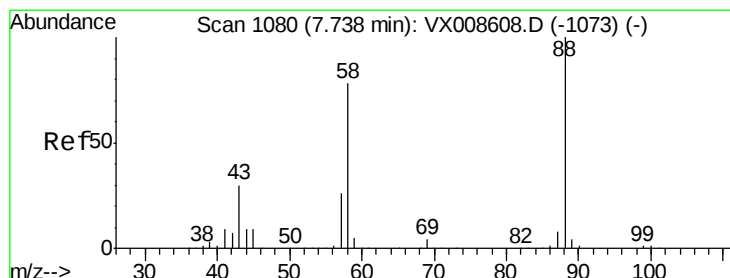
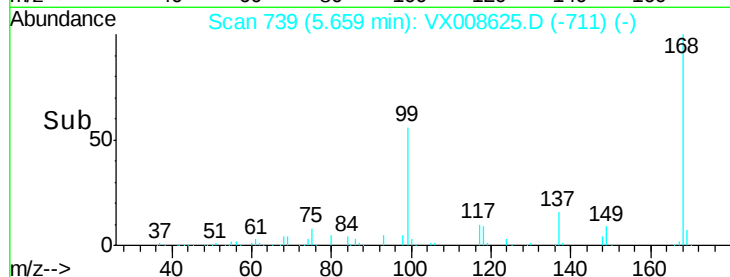
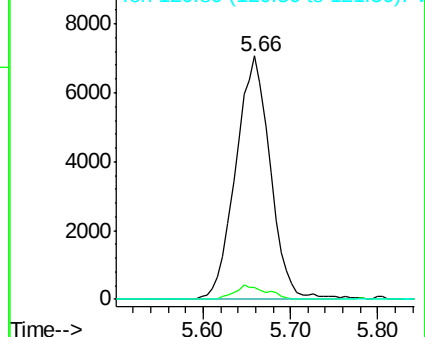
121 0.0 24.3 36.5#



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: 0.583 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

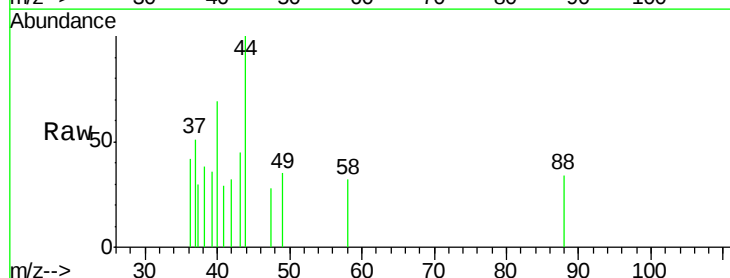
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

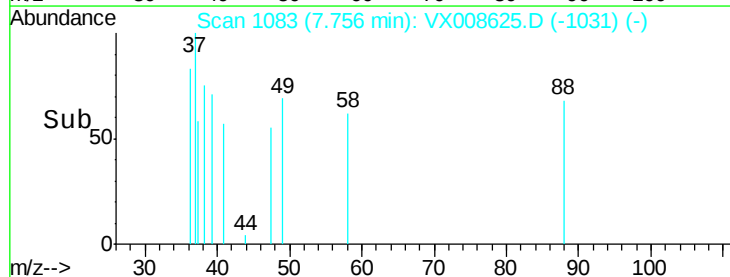
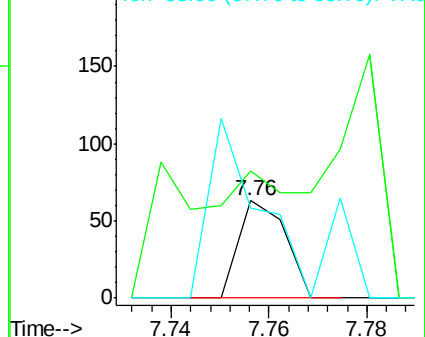
58 197.6 62.2 93.2#

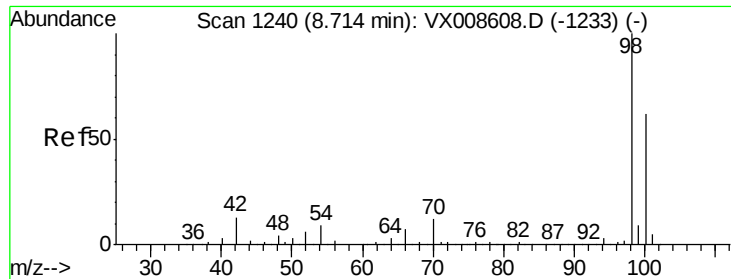


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

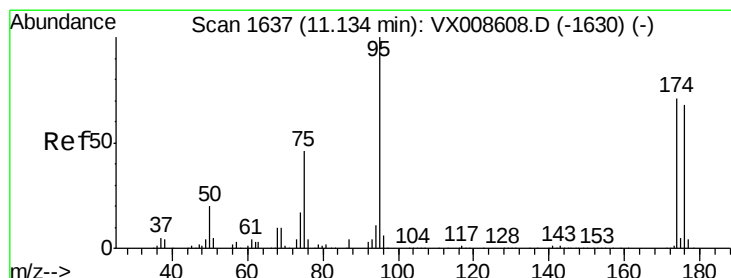
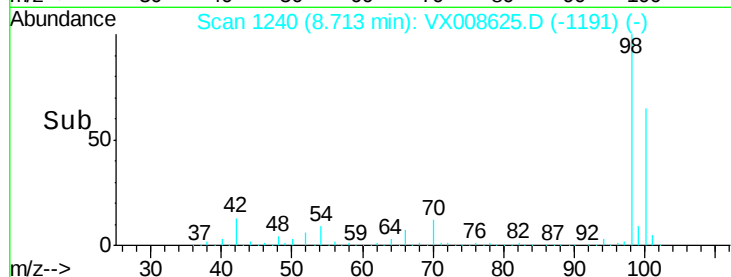
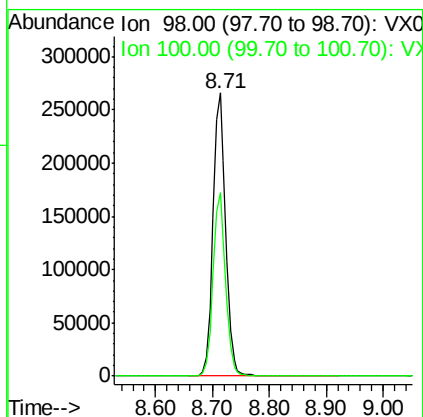
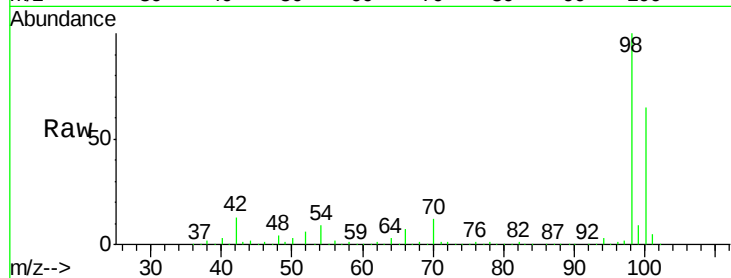




#50
Toluene-d8
Concen: 48.857 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008625.D
Acq: 04 Apr 2019 10:26

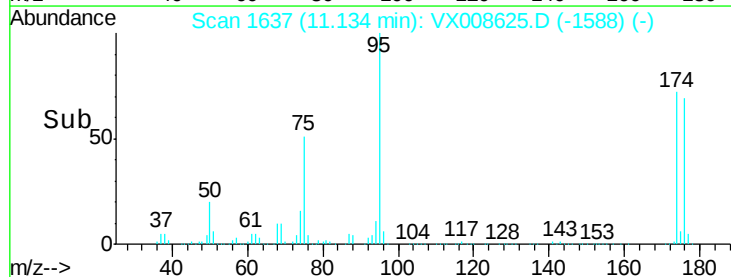
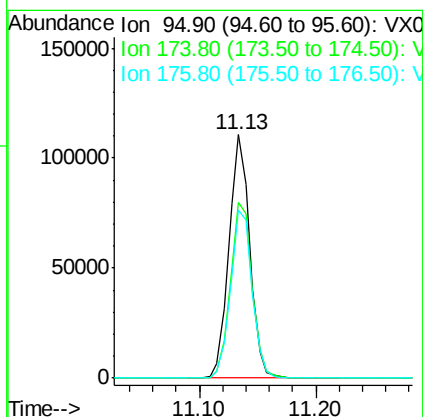
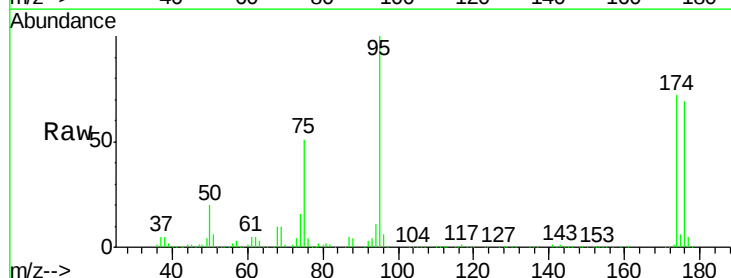
Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL01

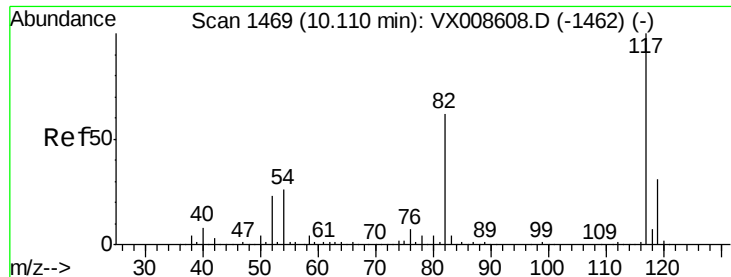
Tgt Ion: 98 Resp: 413797
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.650 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008625.D
Acq: 04 Apr 2019 10:26

Tgt Ion: 95 Resp: 137105
Ion Ratio Lower Upper
95 100
174 75.7 0.0 151.8
176 71.9 0.0 145.8

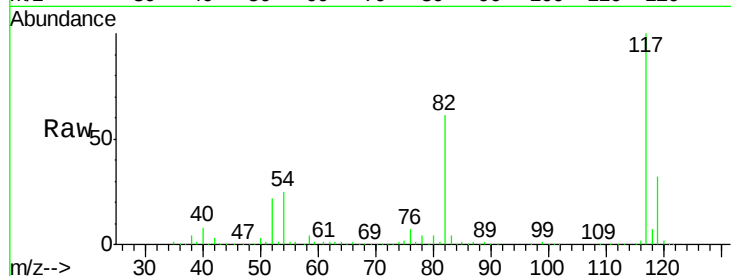




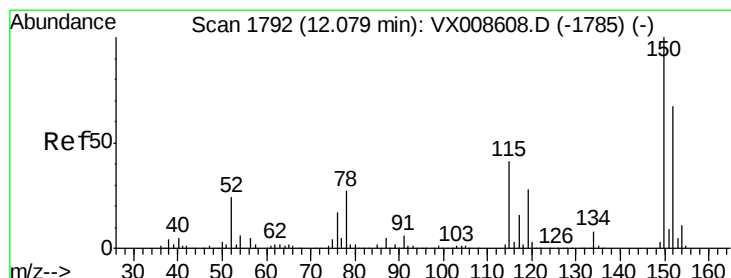
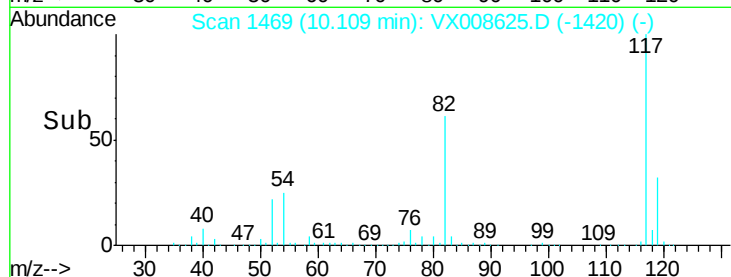
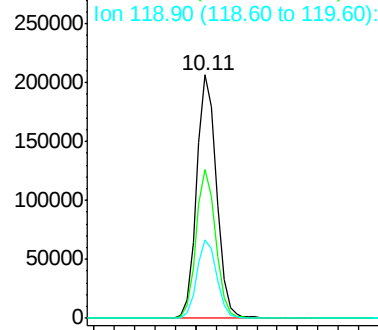
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008625.D
Acq: 04 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampled :
VX0404WBL01

Tgt Ion:117 Resp: 280231
Ion Ratio Lower Upper
117 100
82 61.2 49.6 74.4
119 32.3 25.0 37.4

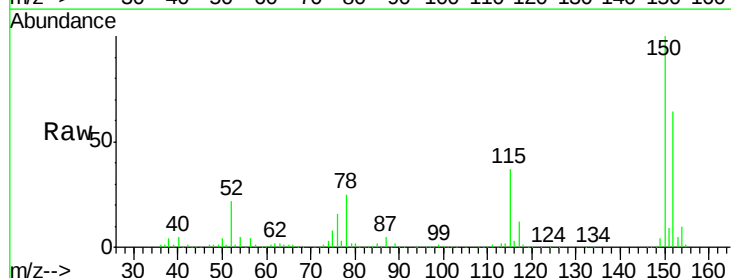


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

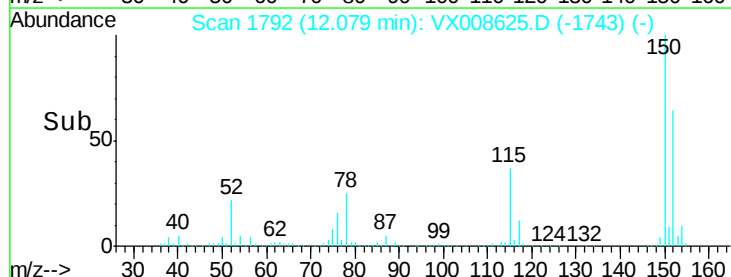
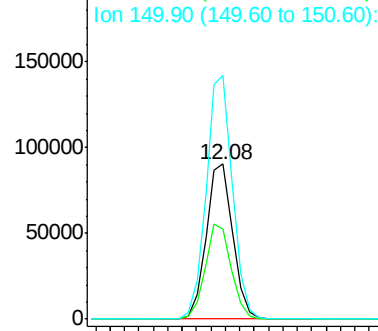


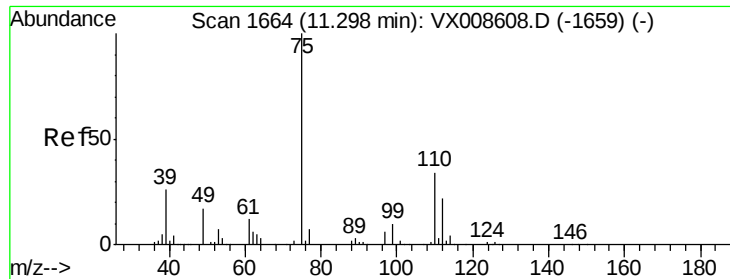
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008625.D
Acq: 04 Apr 2019 10:26

Tgt Ion:152 Resp: 116353
Ion Ratio Lower Upper
152 100
115 60.5 43.5 130.5
150 155.8 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: 21.967 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

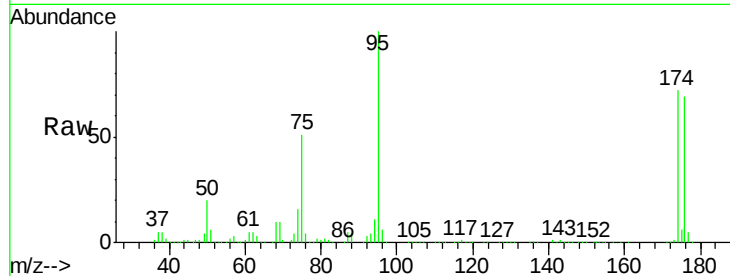
VX0404WBL01

Tgt Ion: 75 Resp: 70215

Ion Ratio Lower Upper

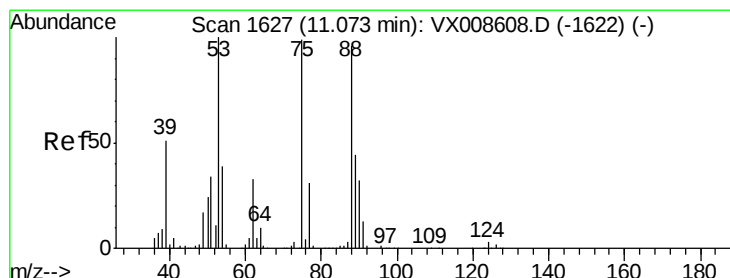
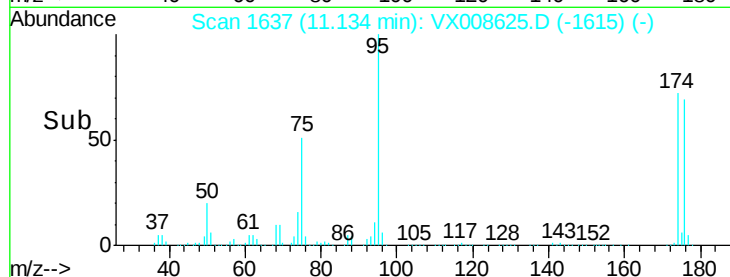
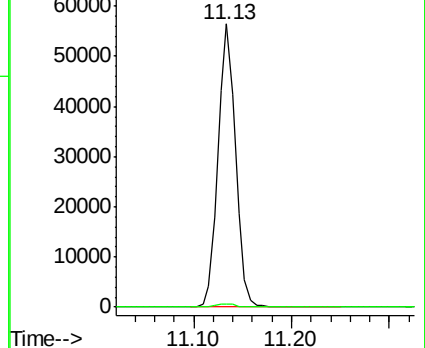
75 100

77 1.2 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: 60.554 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008625.D

Acq: 04 Apr 2019 10:26

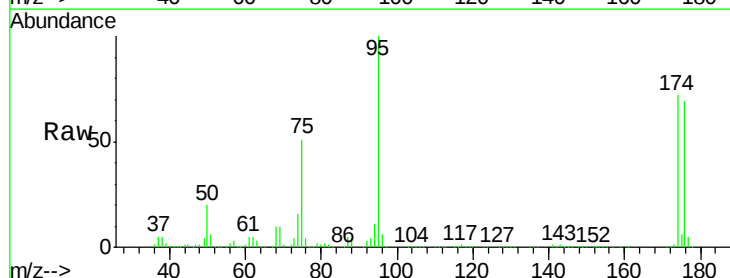
Tgt Ion: 75 Resp: 70215

Ion Ratio Lower Upper

75 100

53 0.2 81.3 121.9#

89 0.1 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

