

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX053119\
 Data File : VX009983.D
 Acq On : 31 May 2019 14:26
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

Quant Time: May 31 14:48:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	178364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	288255	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115140	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	122484	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.22%		
35) Dibromofluoromethane	5.50	113	88939	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.16%		
50) Toluene-d8	8.71	98	363336	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.74%		
62) 4-Bromofluorobenzene	11.13	95	124932	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.52%		

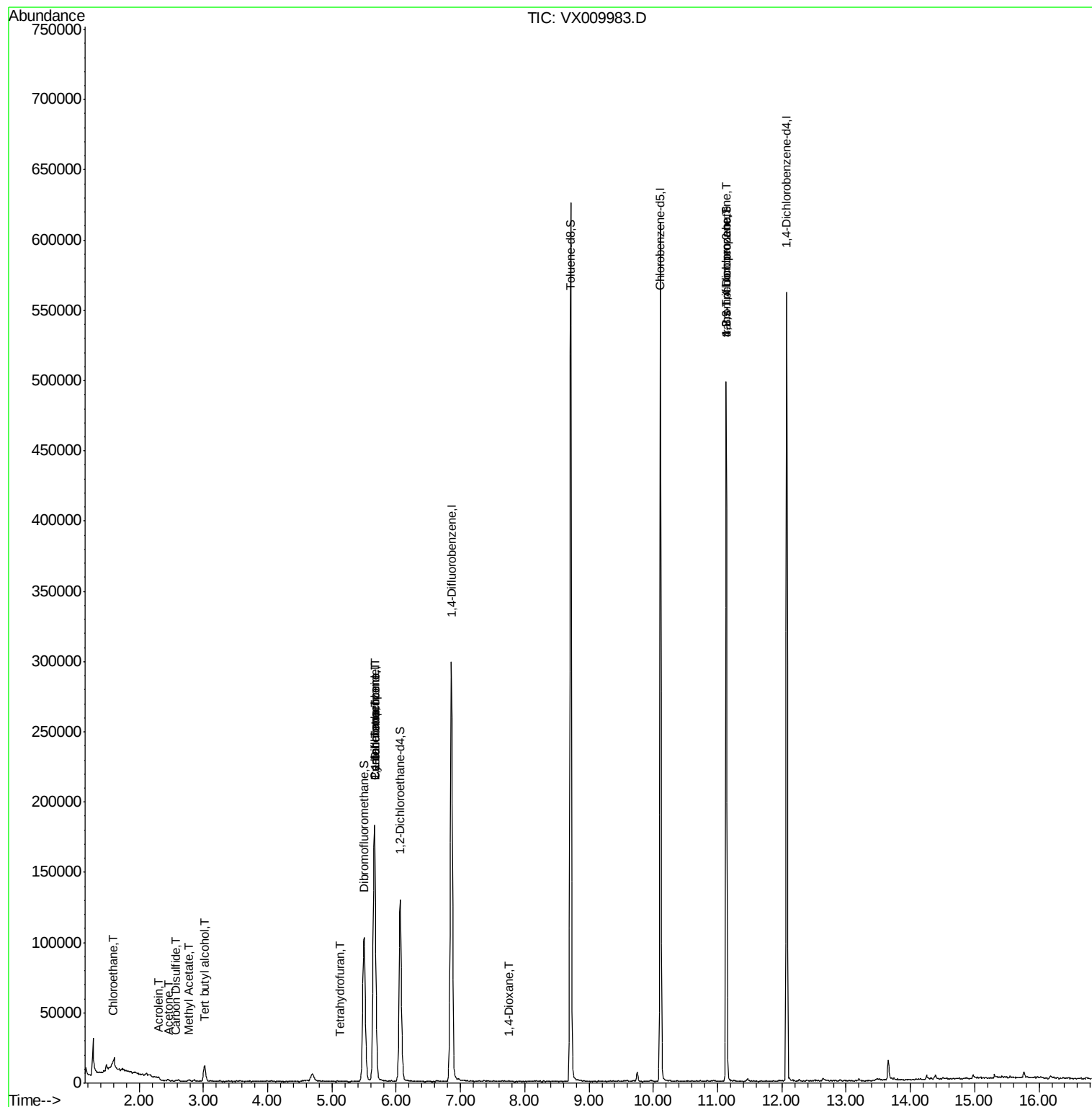
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	17359	10.676	ug/l #	56
11) Tert butyl alcohol	3.02	59	6729	10.852	ug/l #	81
13) Acrolein	2.29	56	102	21.309	ug/l #	1
16) Acetone	2.45	43	1510	1.037	ug/l #	76
17) Carbon Disulfide	2.57	76	957	0.558	ug/l #	76
18) Methyl Acetate	2.78	43	1569	0.463	ug/l	98
29) Tetrahydrofuran	5.13	42	484	0.333	ug/l #	43
31) Cyclohexane	5.66	56	4166	1.087	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14607	4.994	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16697	6.607	ug/l #	16
49) 1,4-Dioxane	7.75	88	74	1.222	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	63863	23.195	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63863	57.387	ug/l #	10

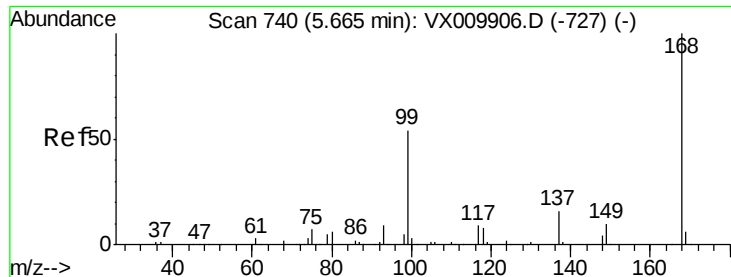
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

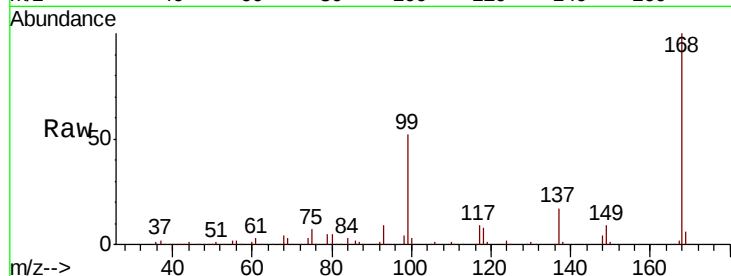
I.BLK

Tgt Ion:168 Resp: 178364

Ion Ratio Lower Upper

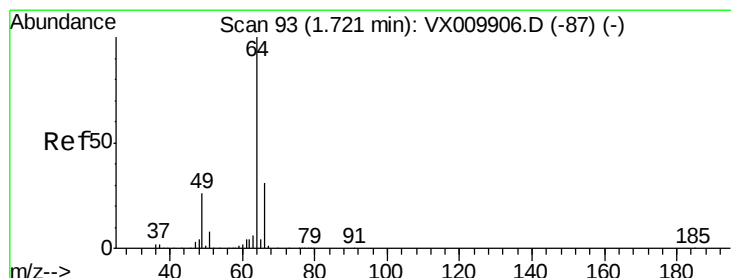
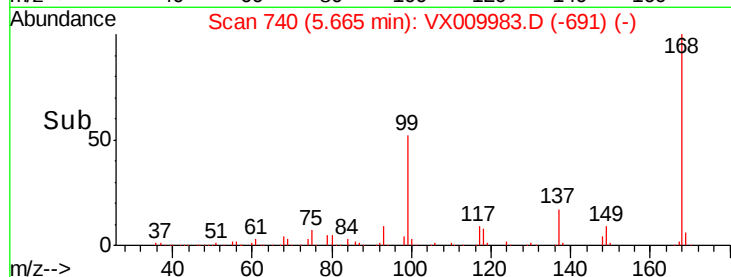
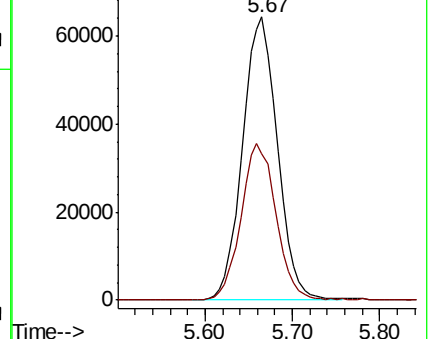
168 100

99 51.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 10.676 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX009983.D

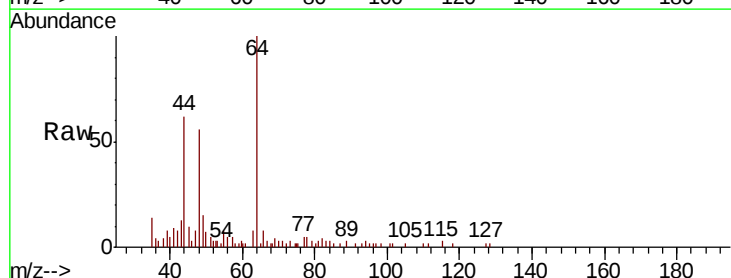
Acq: 31 May 2019 14:26

Tgt Ion: 64 Resp: 17359

Ion Ratio Lower Upper

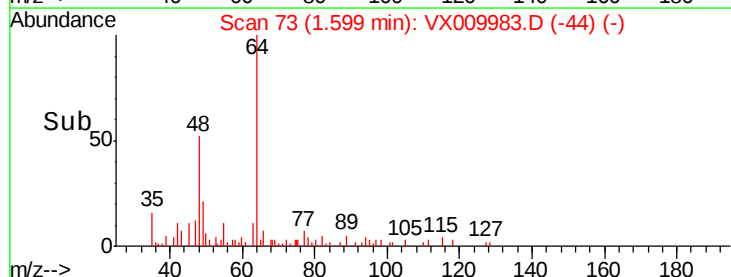
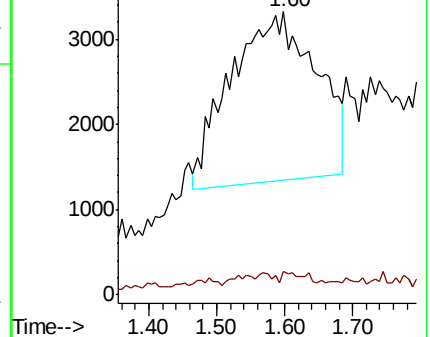
64 100

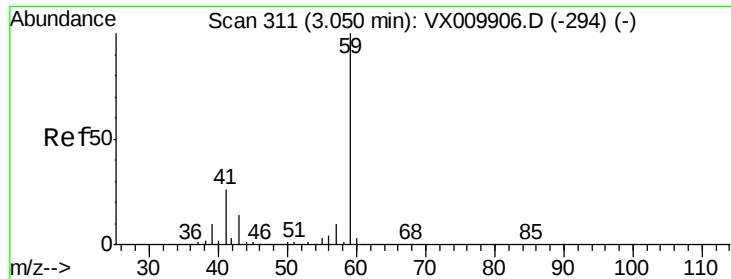
66 7.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

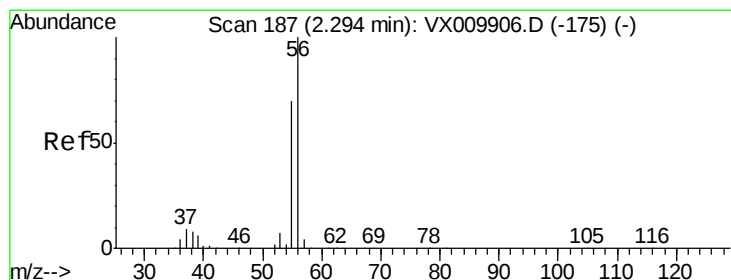
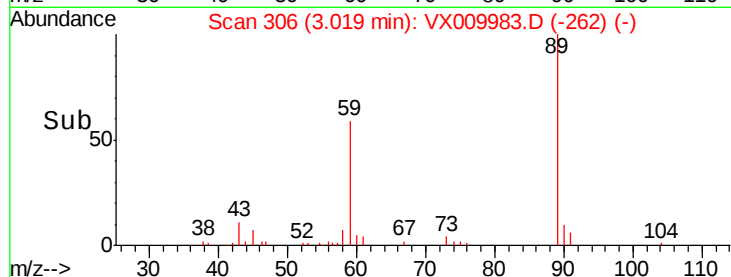
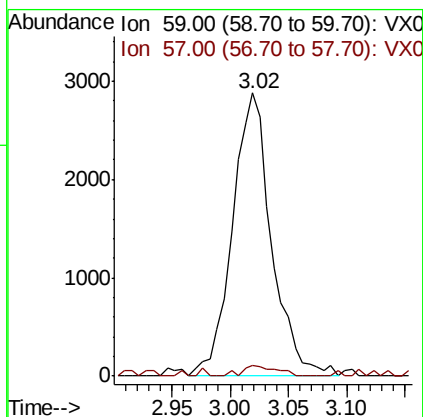
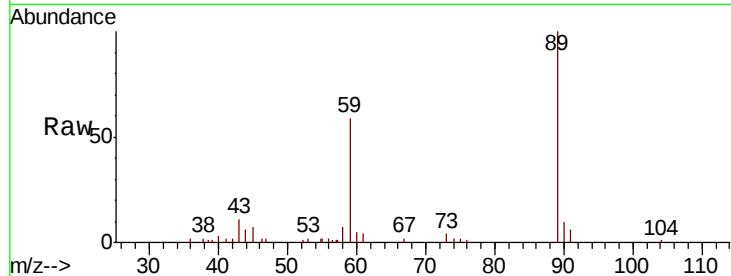




#11
Tert butyl alcohol
Concen: 10.852 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009983.D
Acq: 31 May 2019 14:26

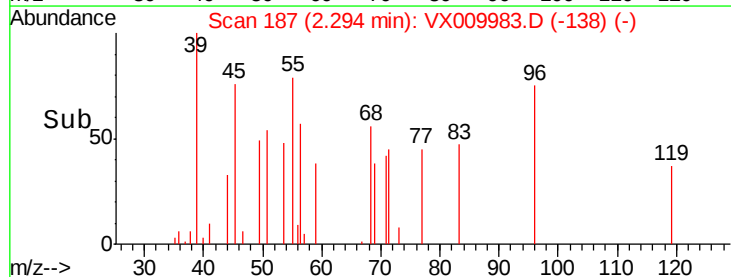
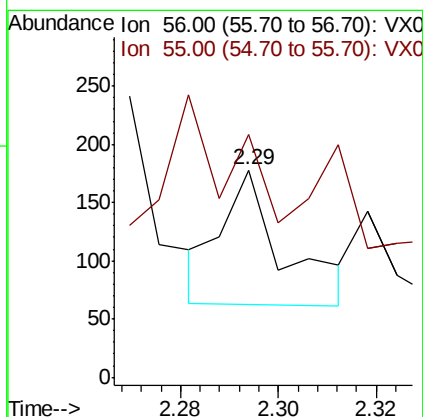
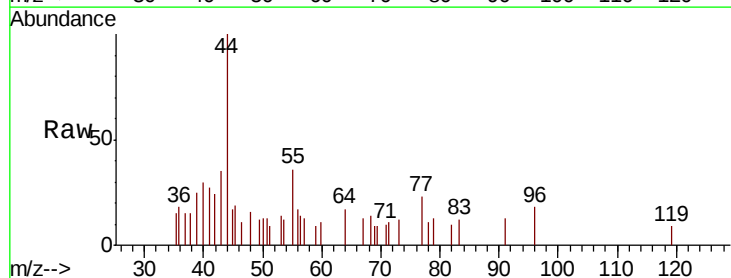
Instrument :
MSVOA_X
ClientSampled :
I.BLK

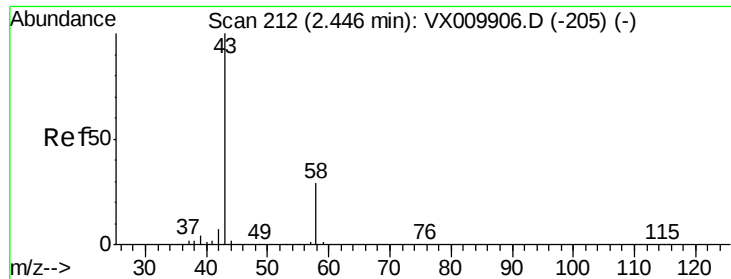
Tgt Ion: 59 Resp: 6729
Ion Ratio Lower Upper
59 100
57 3.3 8.2 12.2#



#13
Acrolein
Concen: 21.309 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009983.D
Acq: 31 May 2019 14:26

Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 168.6 57.0 85.4#





#16

Acetone

Concen: 1.037 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

Instrument :

MSVOA_X

ClientSampled :

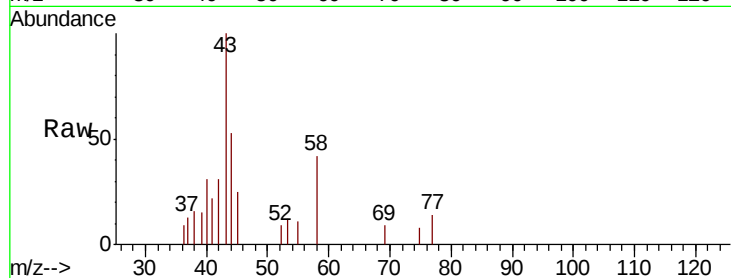
I.BLK

Tgt Ion: 43 Resp: 1510

Ion Ratio Lower Upper

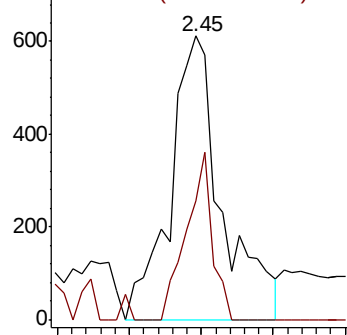
43 100

58 41.8 23.2 34.8#

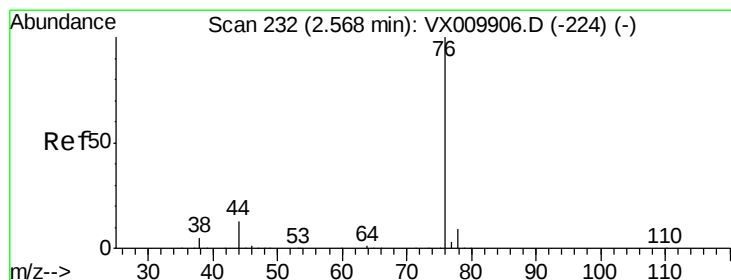
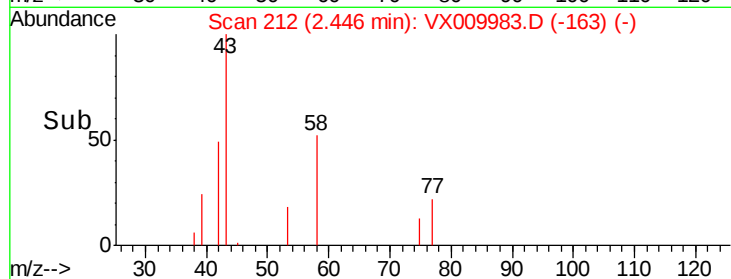


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.558 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009983.D

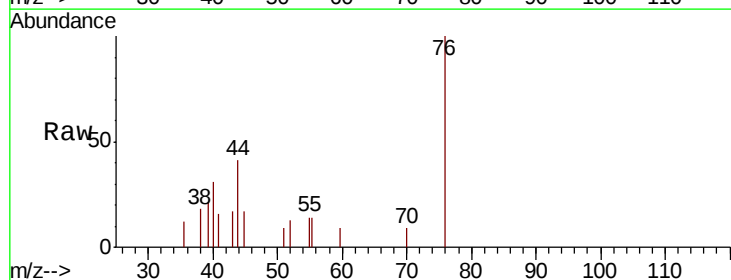
Acq: 31 May 2019 14:26

Tgt Ion: 76 Resp: 957

Ion Ratio Lower Upper

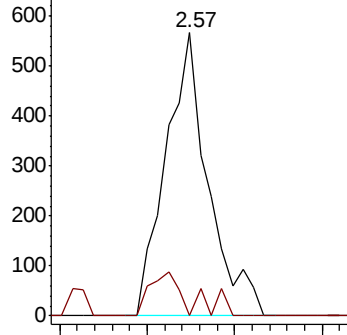
76 100

78 0.0 7.0 10.6#

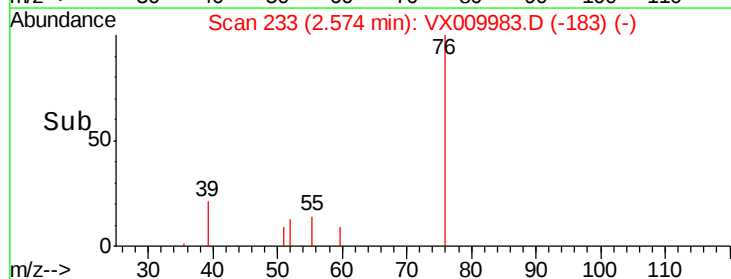


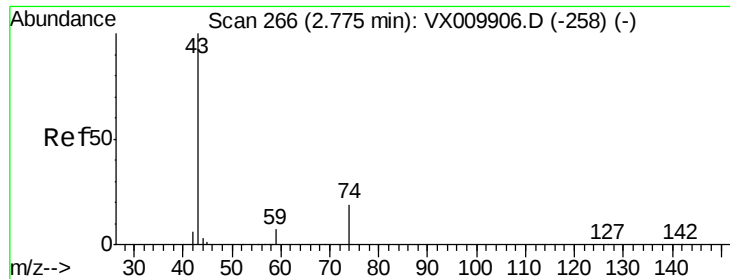
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->





#18

Methyl Acetate

Concen: 0.463 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

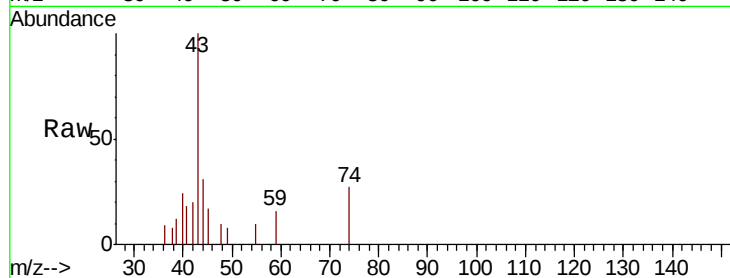
I.BLK

Tgt Ion: 43 Resp: 1569

Ion Ratio Lower Upper

43 100

74 18.9 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

800

600

400

200

0

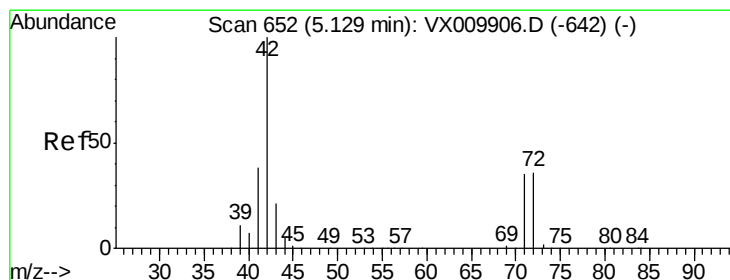
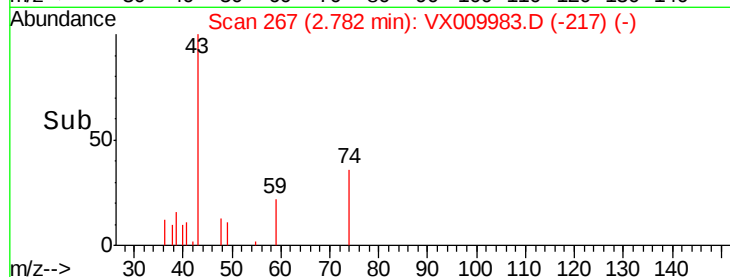
2.70

2.75

2.80

2.85

Time-->



#29

Tetrahydrofuran

Concen: 0.333 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

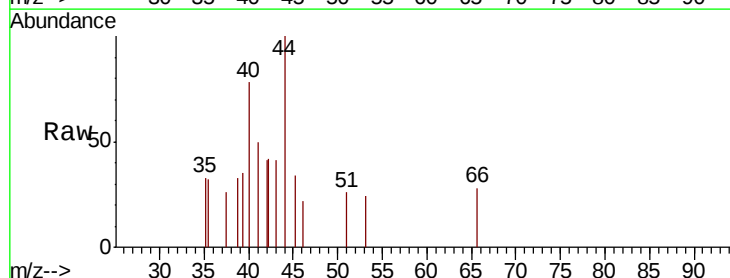
Tgt Ion: 42 Resp: 484

Ion Ratio Lower Upper

42 100

72 0.0 29.2 43.8#

71 4.1 27.6 41.4#



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

250

200

150

100

50

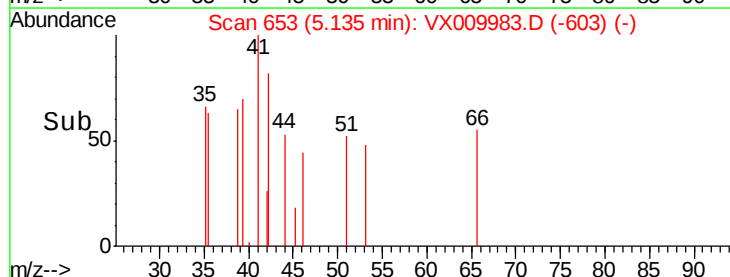
0

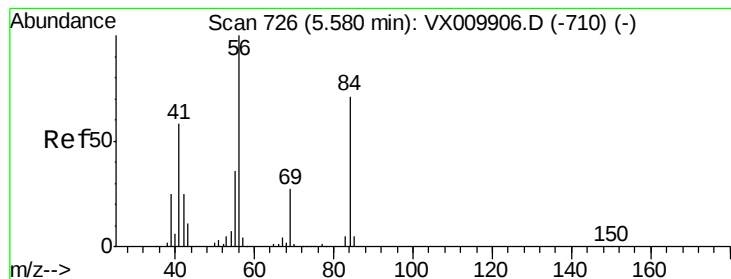
5.10

5.15

5.20

Time-->





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

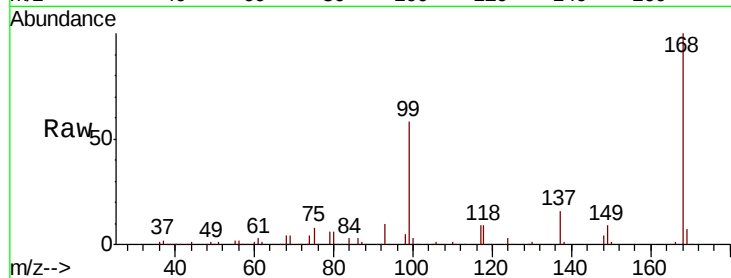
Tgt Ion: 56 Resp: 4166

Ion Ratio Lower Upper

56 100

69 171.6 21.6 32.4#

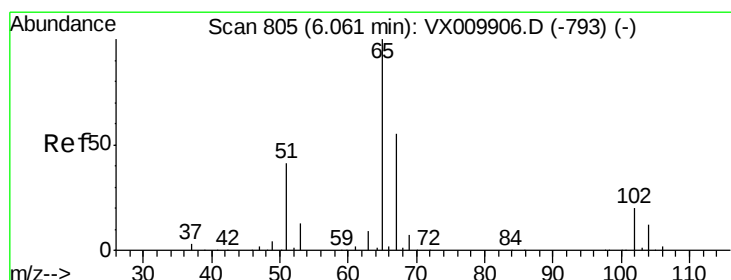
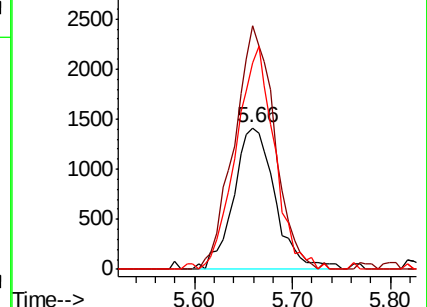
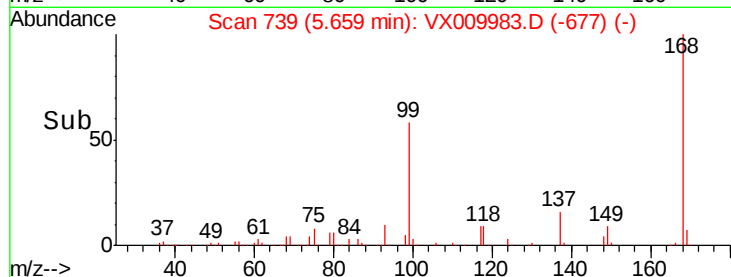
84 145.3 56.8 85.2#



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: 48.614 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009983.D

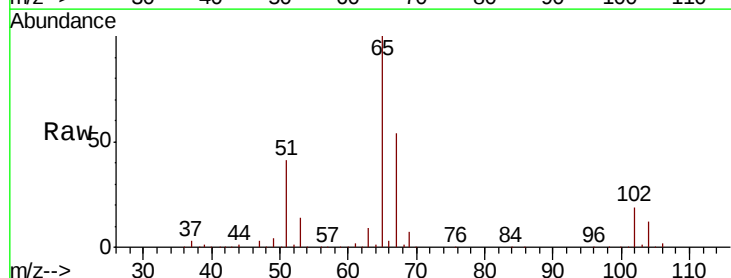
Acq: 31 May 2019 14:26

Tgt Ion: 65 Resp: 122484

Ion Ratio Lower Upper

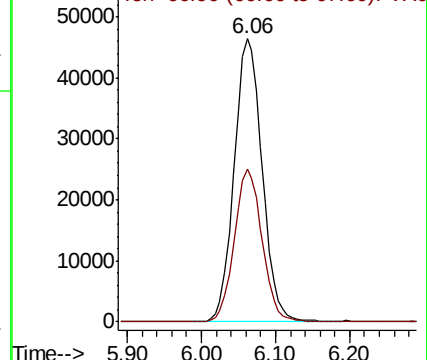
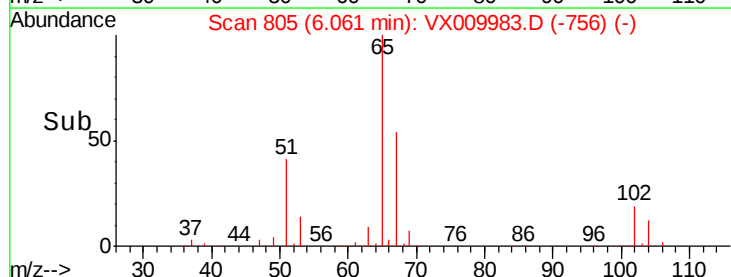
65 100

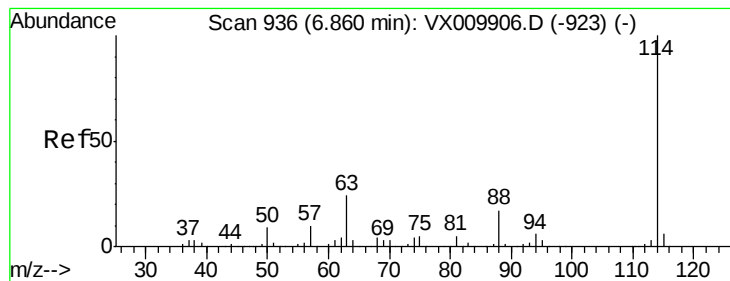
67 53.3 0.0 108.4



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

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I.BLK

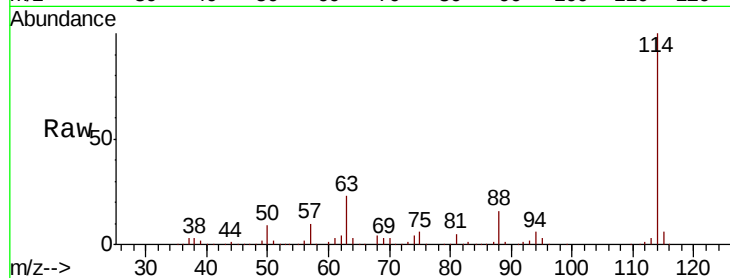
Tgt Ion:114 Resp: 288255

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.4

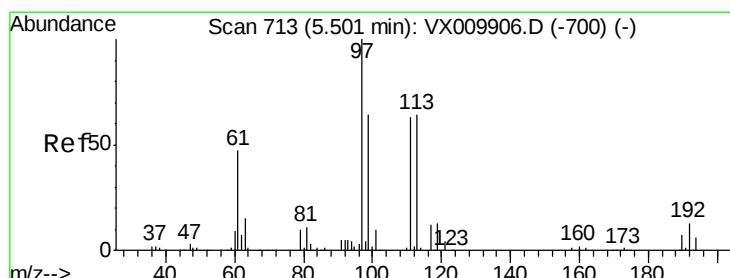
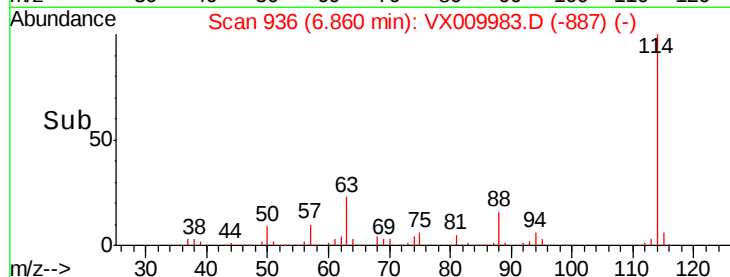
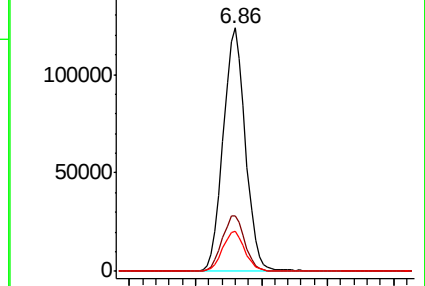
88 16.5 0.0 33.0



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: 49.076 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

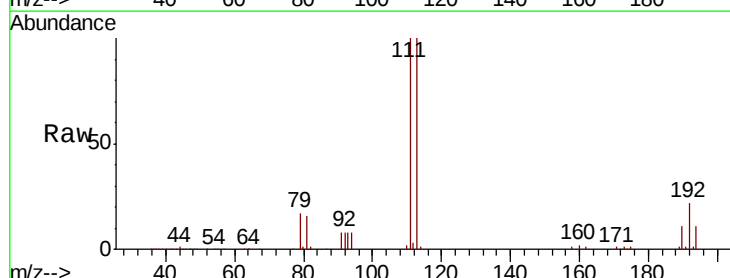
Tgt Ion:113 Resp: 88939

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

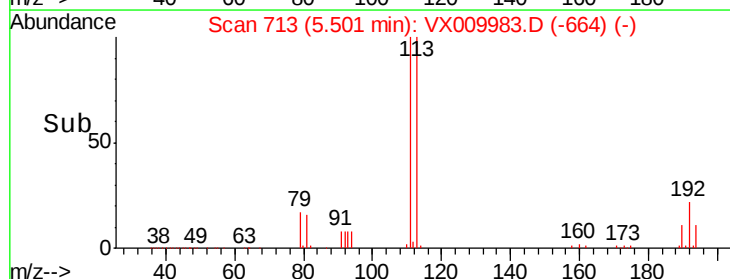
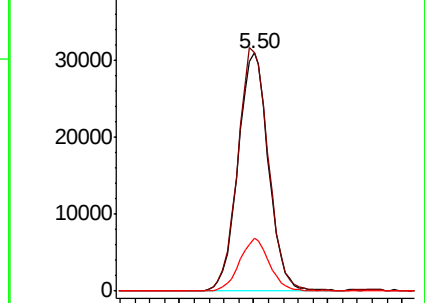
192 21.5 17.1 25.7

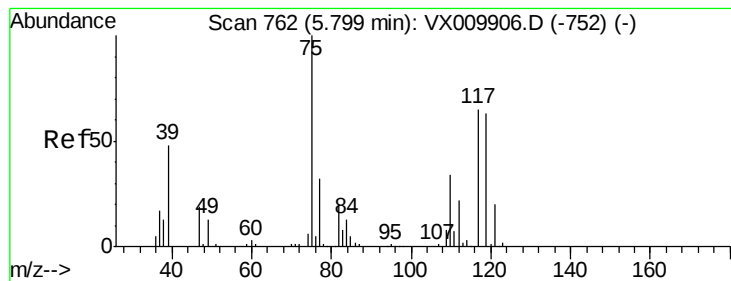


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.994 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

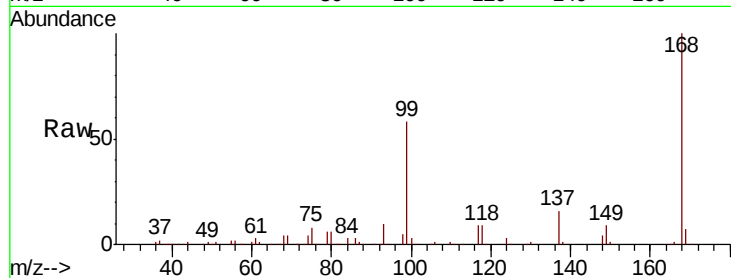
Tgt Ion: 75 Resp: 14607

Ion Ratio Lower Upper

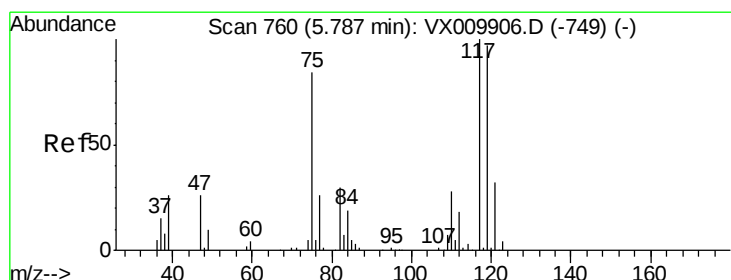
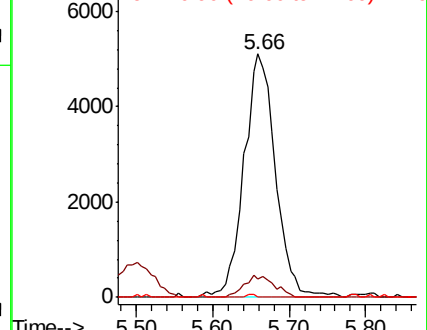
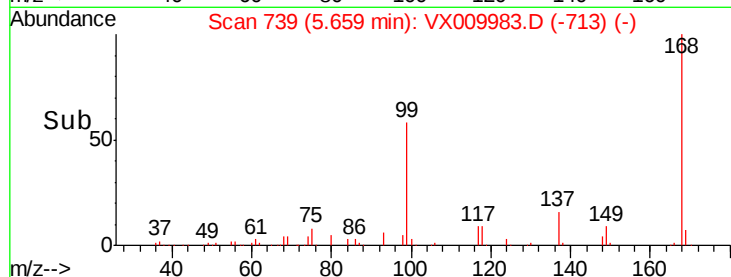
75 100

110 8.5 16.7 50.1#

77 0.3 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX009983.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.607 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

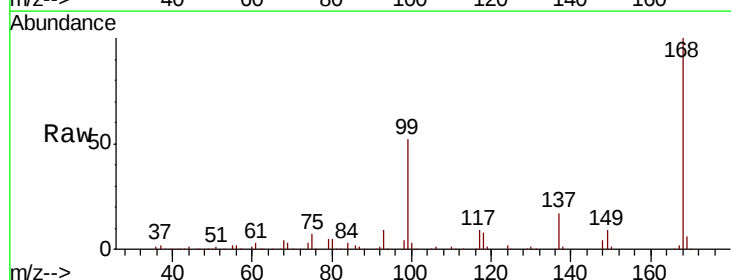
Tgt Ion: 117 Resp: 16697

Ion Ratio Lower Upper

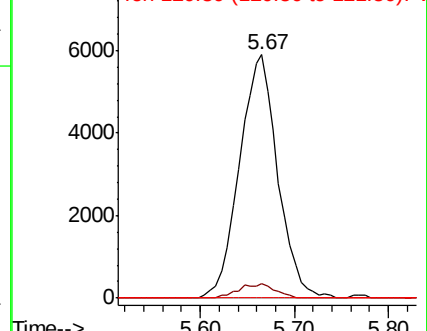
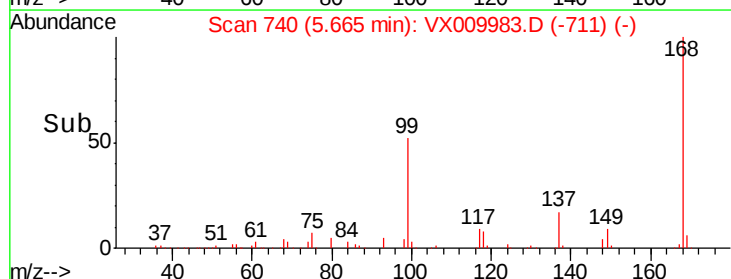
117 100

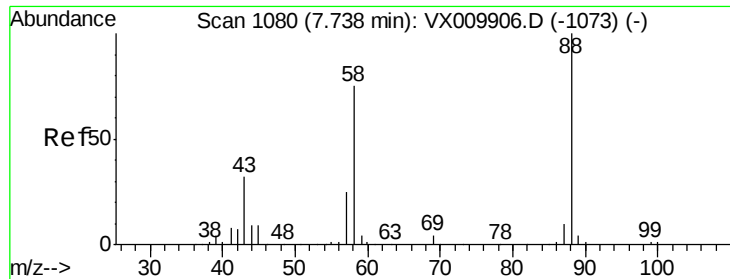
119 6.2 77.3 115.9#

121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): VX009983.D (-711) (-)

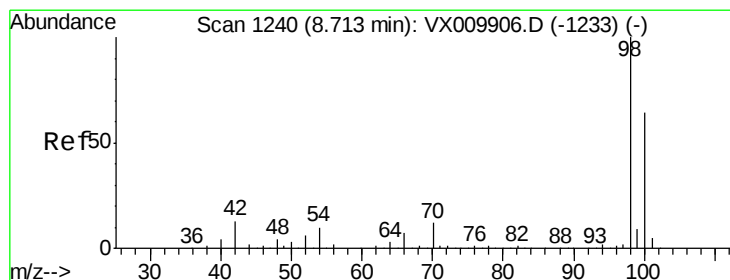
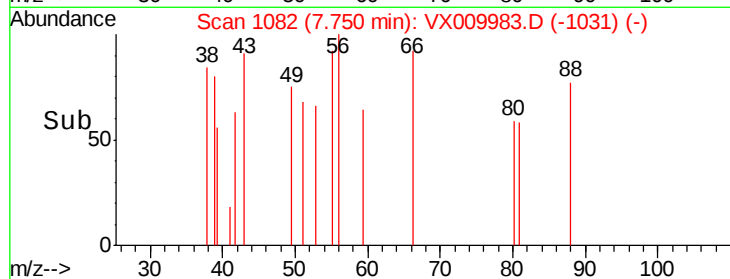
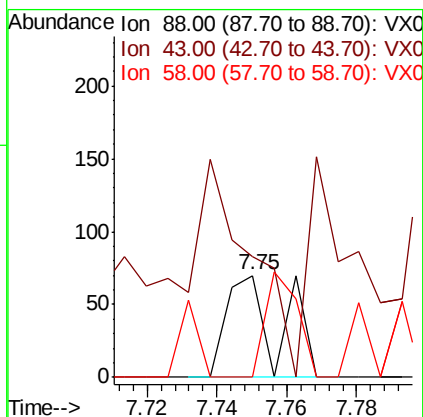
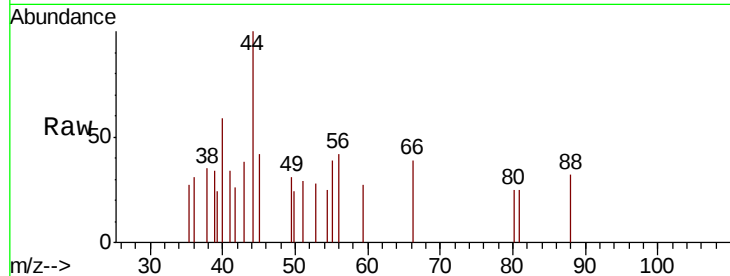




#49
1,4-Dioxane
Concen: 1.222 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX009983.D
Acq: 31 May 2019 14:26

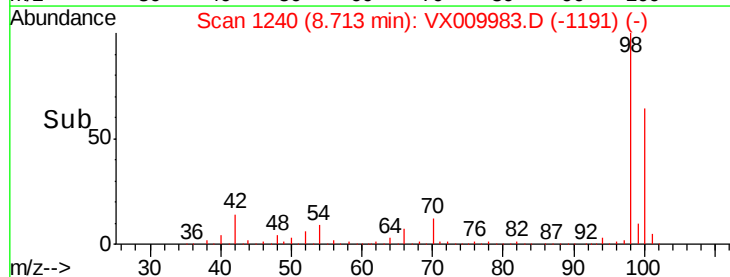
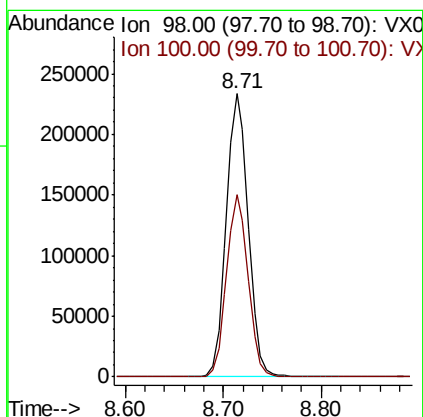
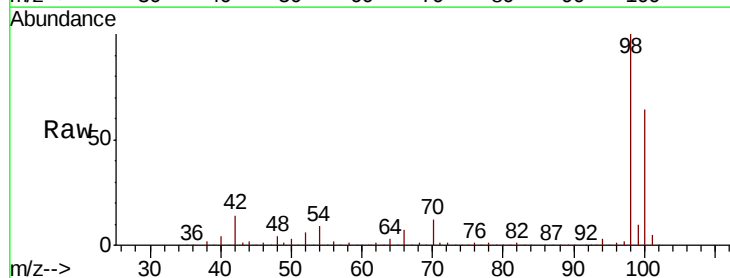
Instrument :
MSVOA_X
ClientSampled :
I.BLK

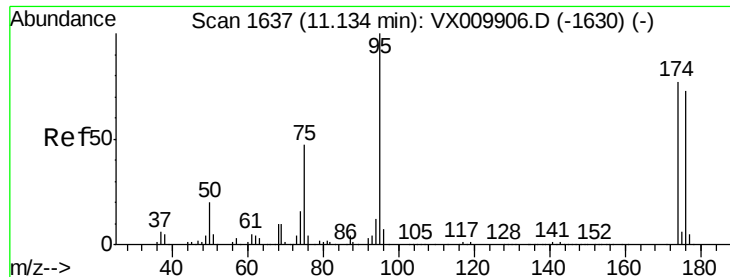
Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 181.1 30.2 45.4#
58 62.2 64.0 96.0#



#50
Toluene-d8
Concen: 49.372 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009983.D
Acq: 31 May 2019 14:26

Tgt Ion: 98 Resp: 363336
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 47.264 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

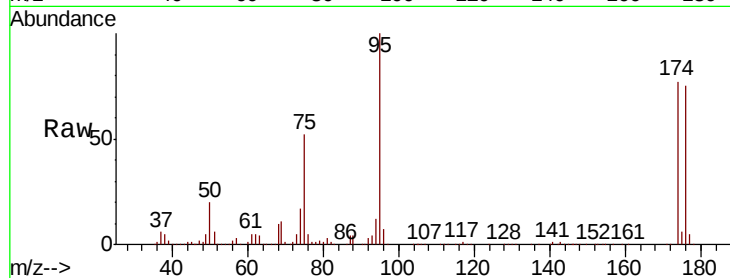
Tgt Ion: 95 Resp: 124932

Ion Ratio Lower Upper

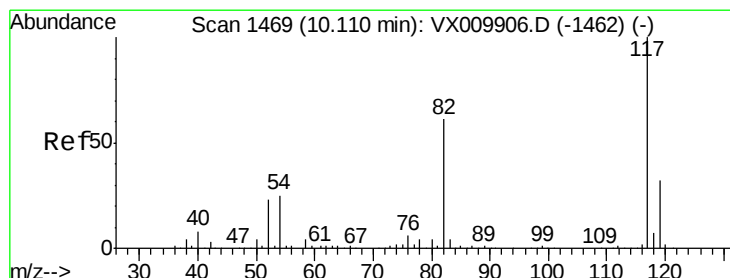
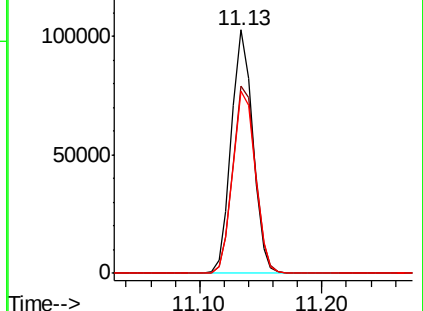
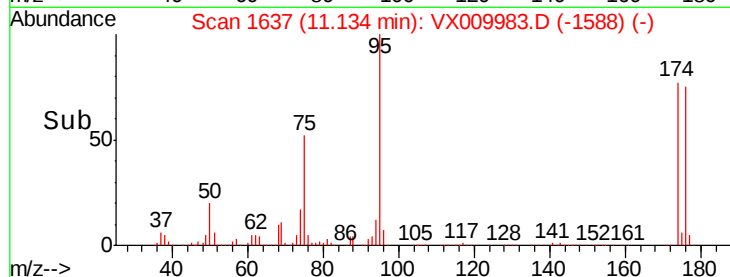
95 100

174 80.8 0.0 160.4

176 78.6 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009983.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

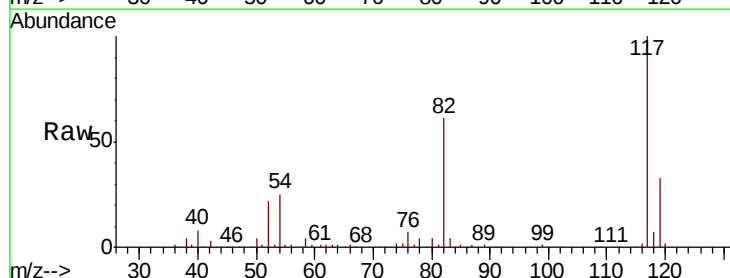
Tgt Ion: 117 Resp: 256613

Ion Ratio Lower Upper

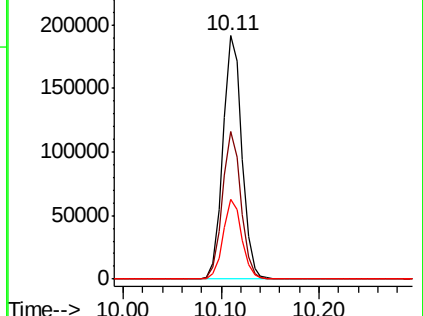
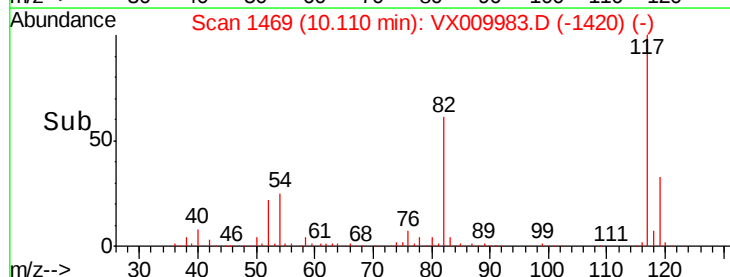
117 100

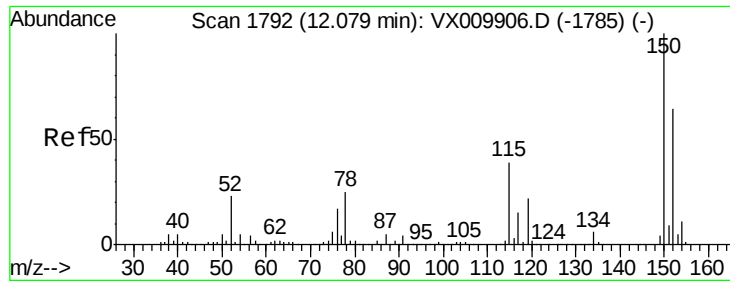
82 60.7 49.2 73.8

119 32.7 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VX009983.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

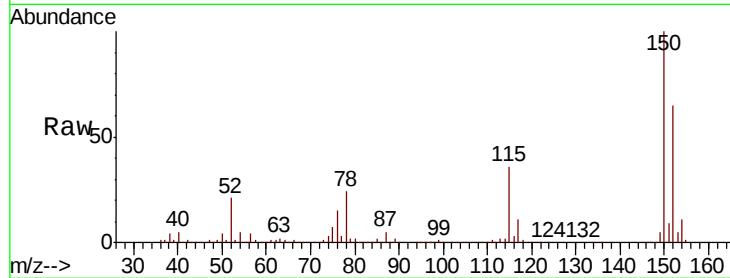
Tgt Ion:152 Resp: 115140

Ion Ratio Lower Upper

152 100

115 58.8 41.4 124.2

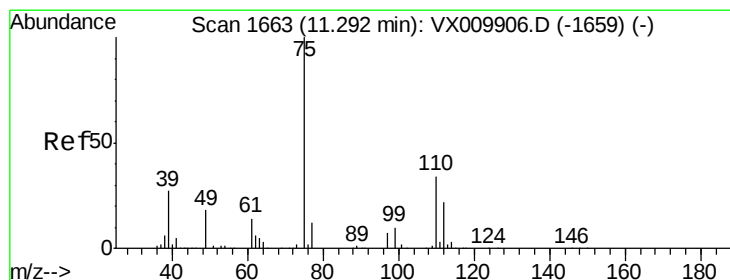
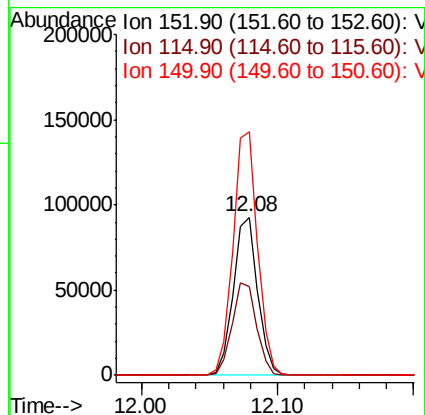
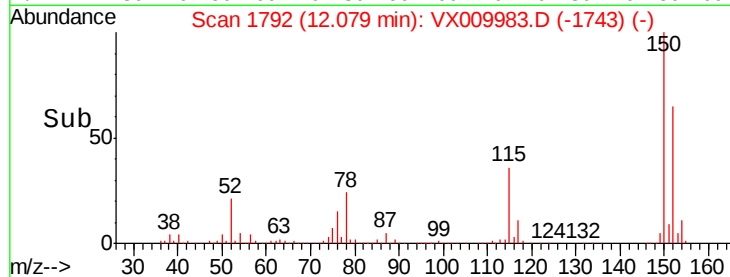
150 155.9 0.0 345.2



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: 23.195 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009983.D

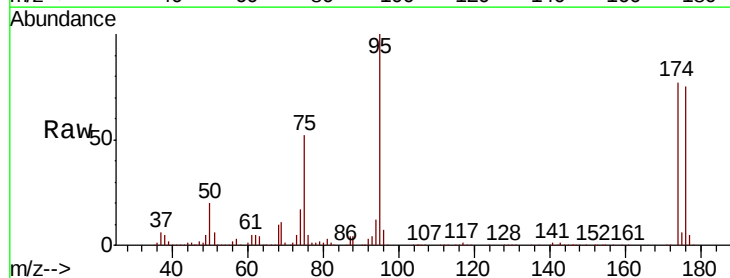
Acq: 31 May 2019 14:26

Tgt Ion: 75 Resp: 63863

Ion Ratio Lower Upper

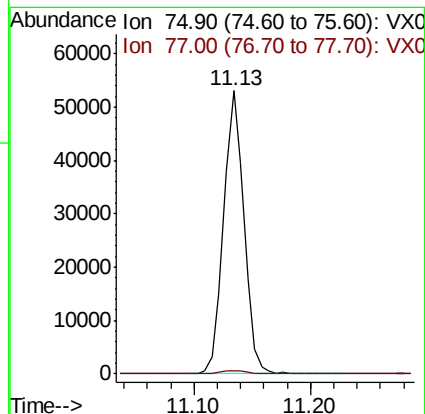
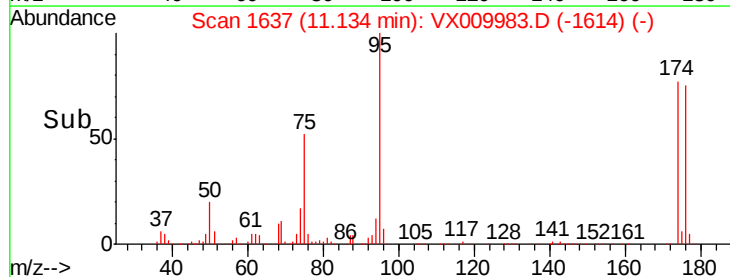
75 100

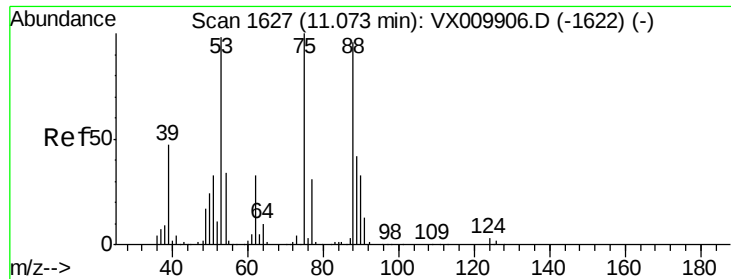
77 1.4 22.1 66.1#



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: 57.387 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009983.D

Acq: 31 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

Tgt Ion: 75 Resp: 63863

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.0 34.2 51.4#

