

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008903.D
 Acq On : 12 Apr 2019 22:31
 Operator : JC/SP
 Sample : VX0412WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBL02

Quant Time: Apr 13 05:03:25 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	5.67	168	187588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300157	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	260889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110629	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	124050	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	
35) Dibromofluoromethane	5.50	113	89388	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	8.71	98	376809	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	125740	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

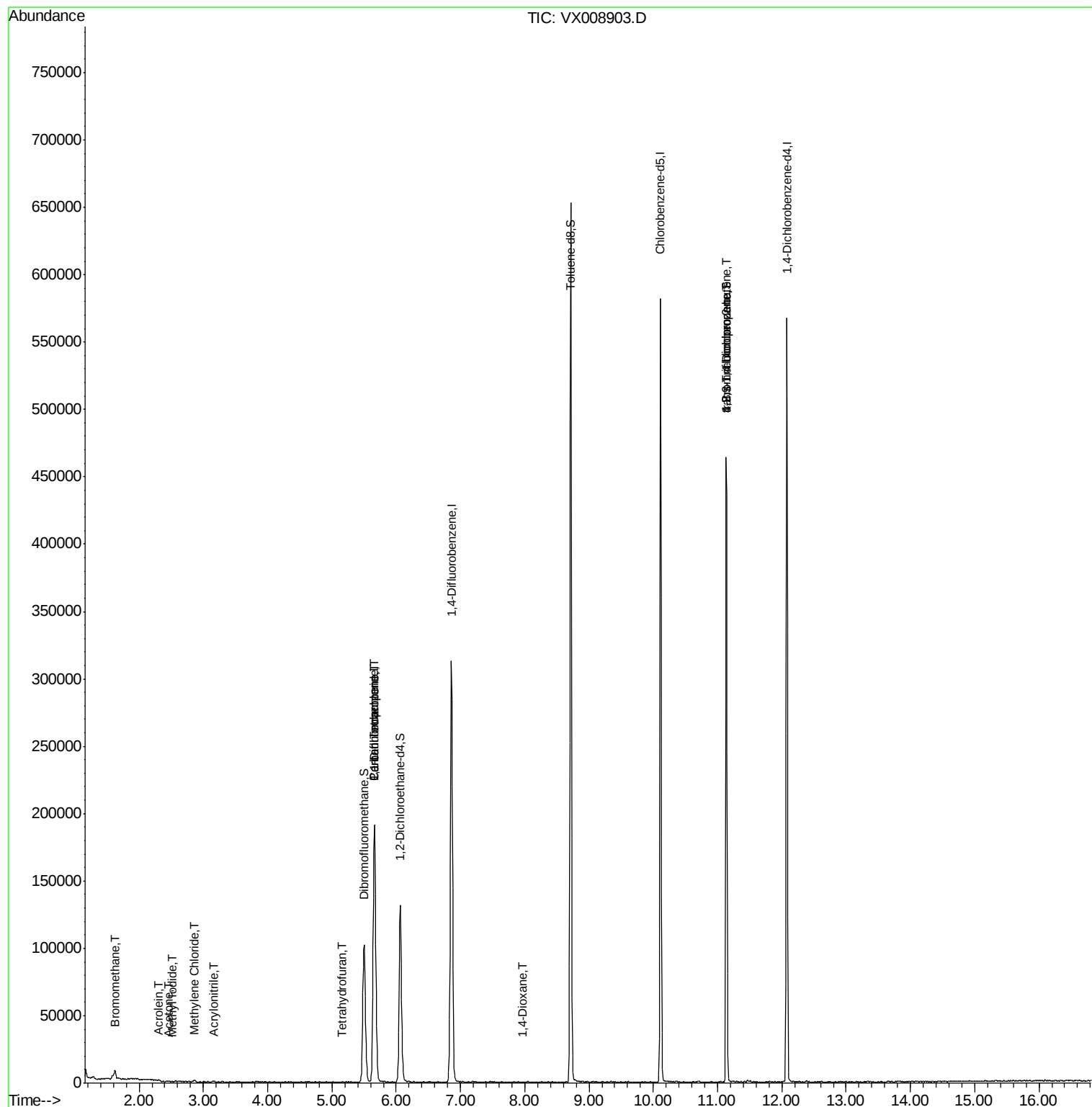
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	353	Below Cal		94
5) Bromomethane	1.64	94	591	2.281	ug/l	86
6) Chloroethane	1.71	64	128	Below Cal	#	43
10) Methyl Iodide	2.51	142	340	4.168	ug/l #	90
13) Acrolein	2.29	56	177	0.557	ug/l #	76
15) Acrylonitrile	3.16	53	367	0.216	ug/l #	93
16) Acetone	2.45	43	463	0.294	ug/l #	81
17) Carbon Disulfide	2.57	76	1203	Below Cal		100
20) Methylene Chloride	2.85	84	621	0.235	ug/l	93
28) Bromochloromethane	4.97	49	86	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	352	0.213	ug/l #	42
36) 1,1-Dichloropropene	5.66	75	14730	4.489	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17639	6.495	ug/l #	17
49) 1,4-Dioxane	7.96	88	21	0.323	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63573	20.918	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63573	57.663	ug/l #	9

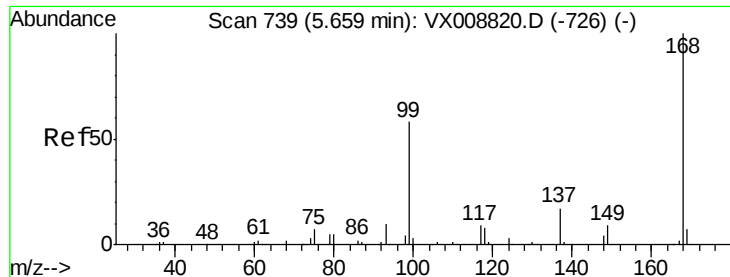
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :
VX0412WBL02

Quant Time: Apr 13 05:03:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

Instrument :

MSVOA_X

ClientSampleId :

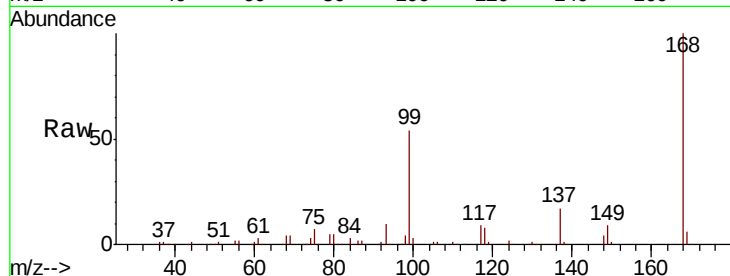
VX0412WBL02

Tot Ion:168 Resp: 187588

Ion Ratio Lower Upper

168 100

99 54.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

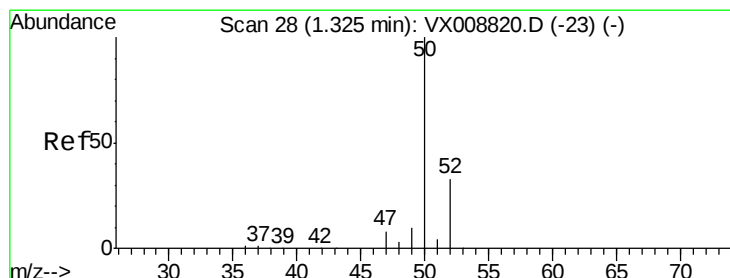
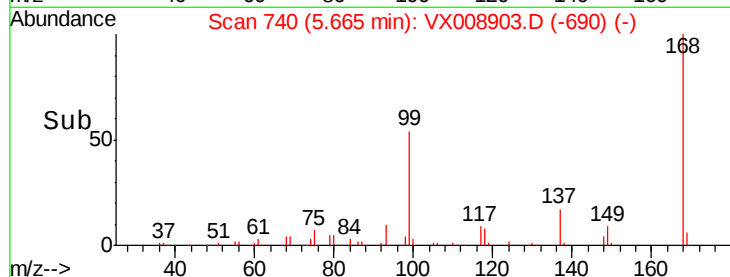
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008903.D

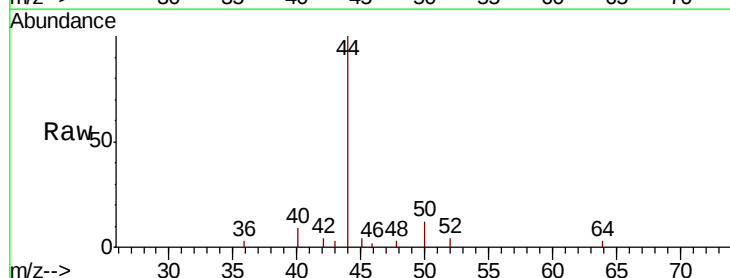
Acq: 12 Apr 2019 22:31

Tgt Ion: 50 Resp: 353

Ion Ratio Lower Upper

50 100

52 35.9 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

300

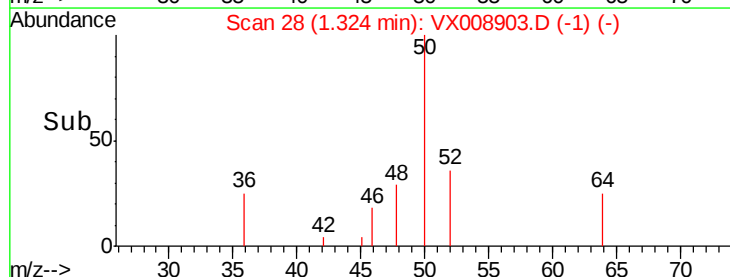
200

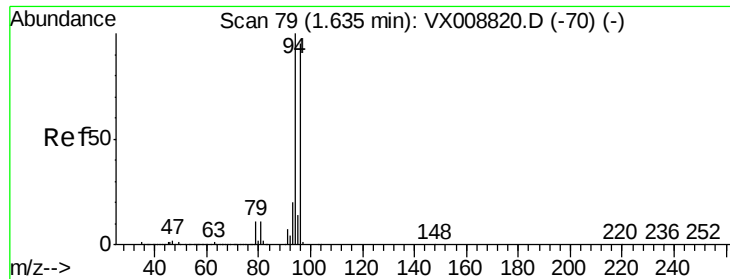
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.281 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

Instrument :

MSVOA_X

ClientSampleId :

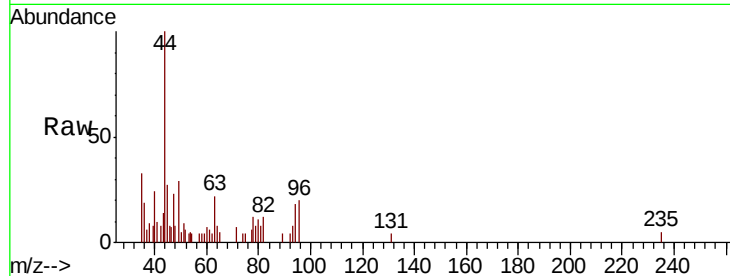
VX0412WBL02

Tot Ion: 94 Resp: 591

Ion Ratio Lower Upper

94 100

96 107.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

164

250

200

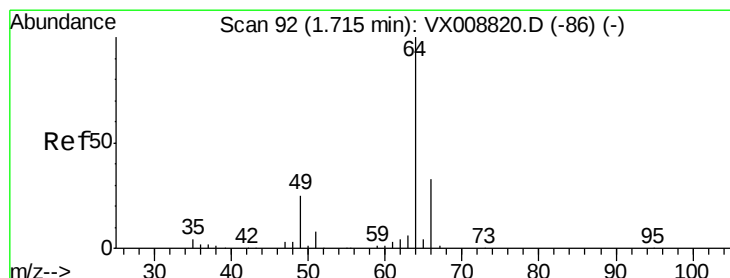
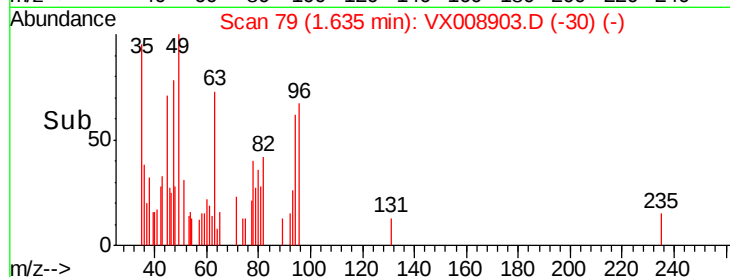
150

100

50

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008903.D

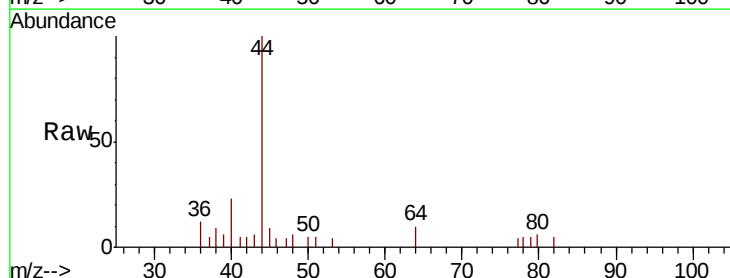
Acq: 12 Apr 2019 22:31

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

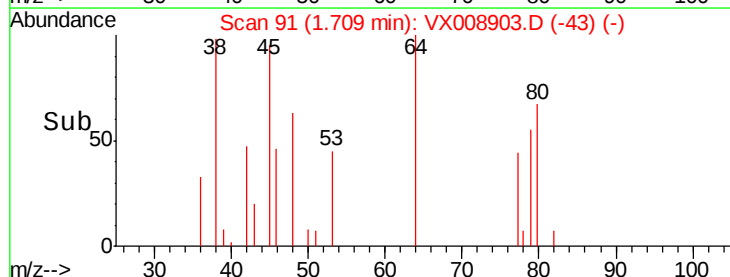
1.71

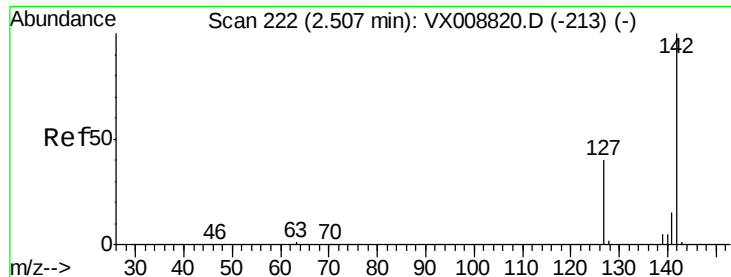
100

50

0

Time-->

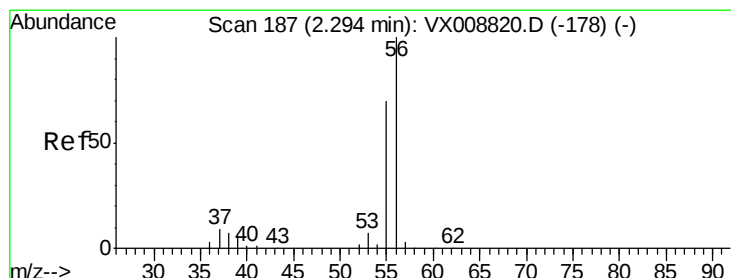
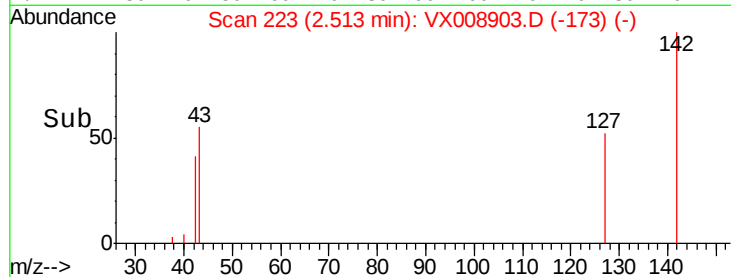
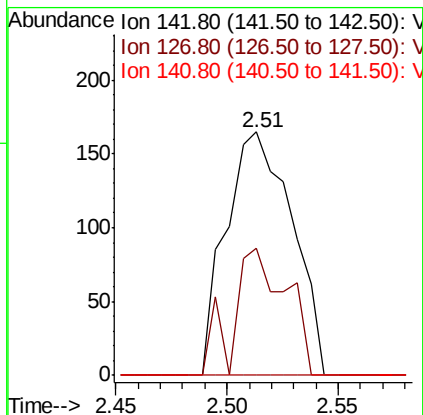
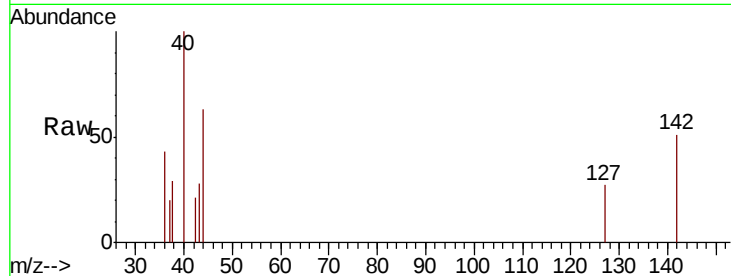




#10
Methvl Iodide
Concen: 4.168 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008903.D
Acq: 12 Apr 2019 22:31

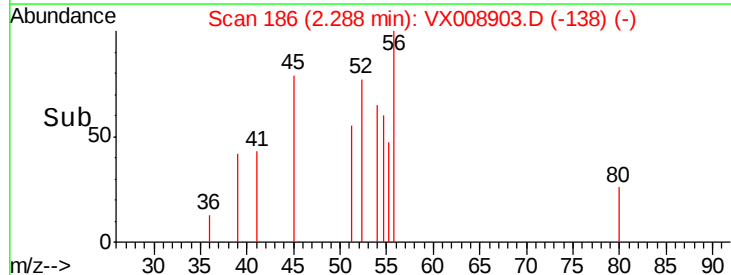
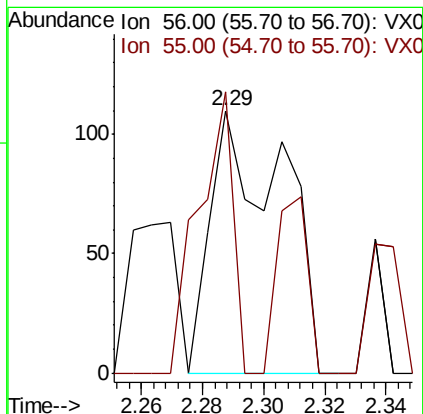
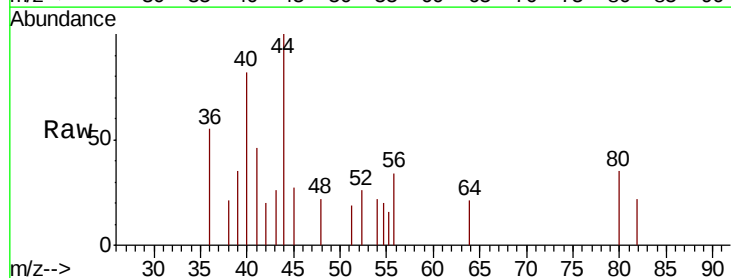
Instrument :
MSVOA_X
ClientSampleId :
VX0412WBL02

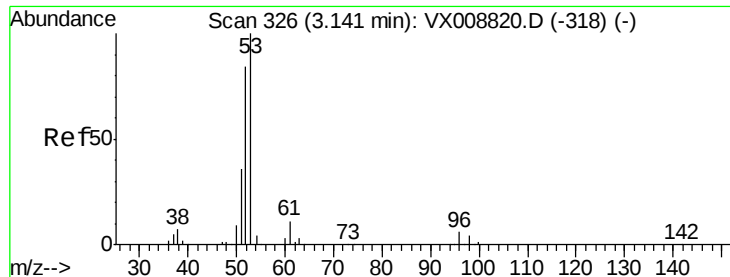
Tot Ion:142 Resp: 340
Ion Ratio Lower Upper
142 100
127 42.4 33.0 49.6
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.557 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008903.D
Acq: 12 Apr 2019 22:31

Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 52.5 58.0 87.0#





#15

Acrylonitrile

Concen: 0.216 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBL02

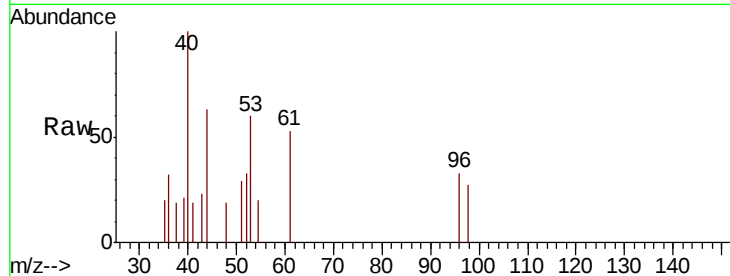
Tot Ion: 53 Resp: 367

Ion Ratio Lower Upper

53 100

52 83.9 66.5 99.7

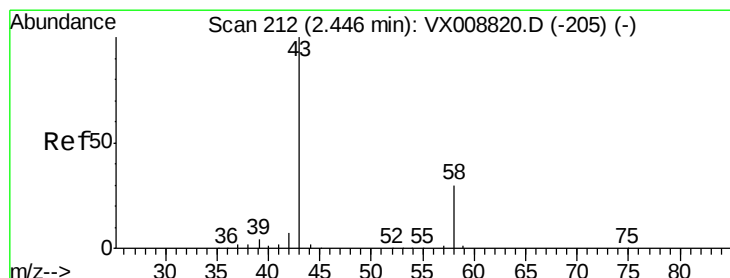
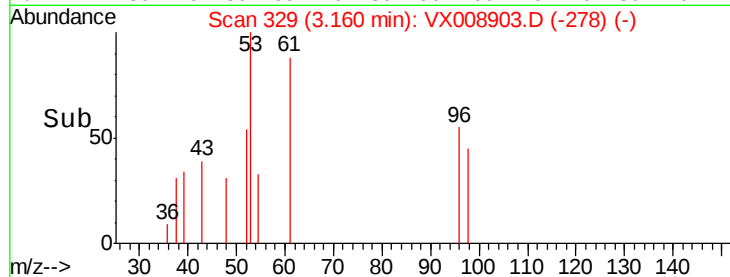
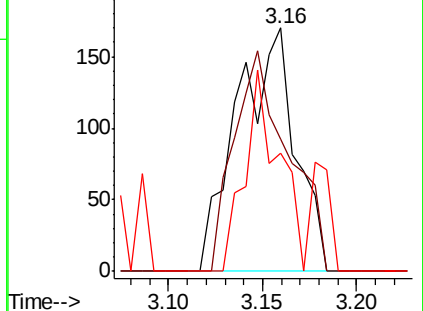
51 48.0 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.294 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008903.D

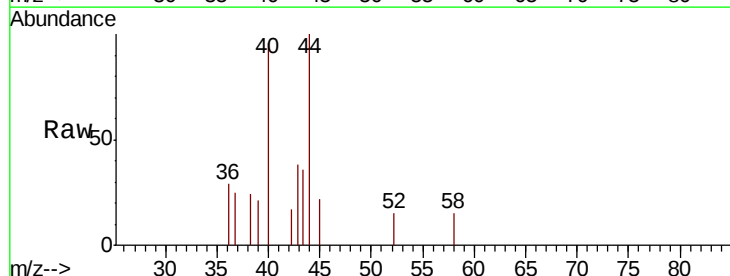
Acq: 12 Apr 2019 22:31

Tgt Ion: 43 Resp: 463

Ion Ratio Lower Upper

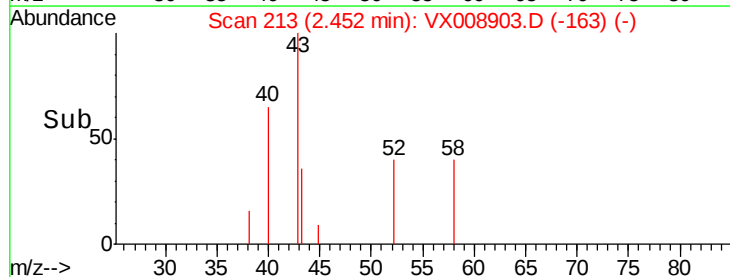
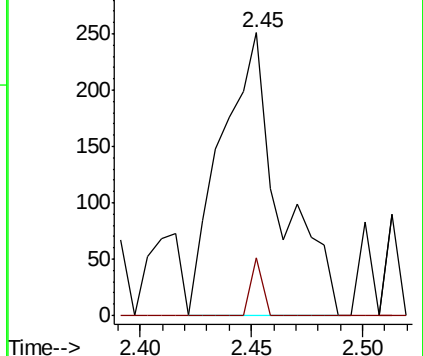
43 100

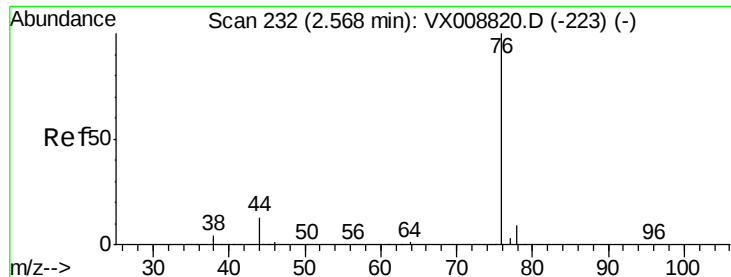
58 20.3 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

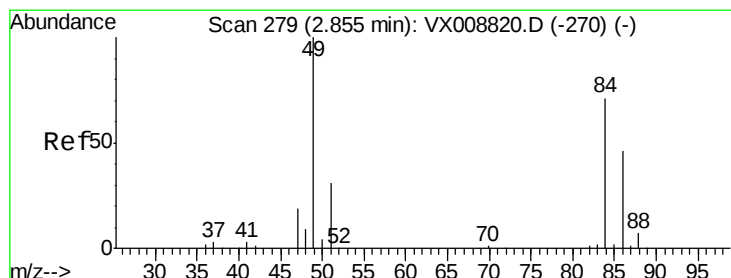
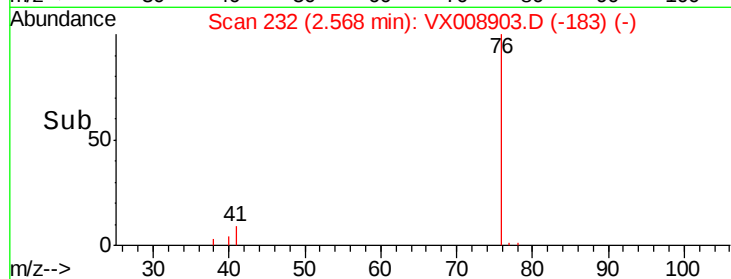
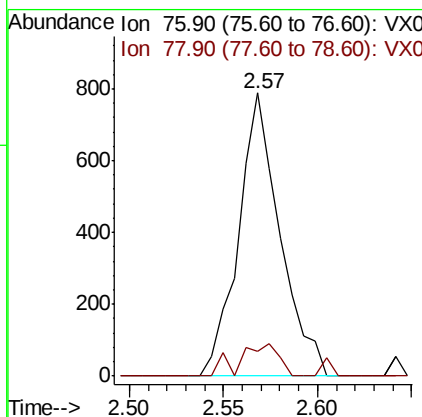
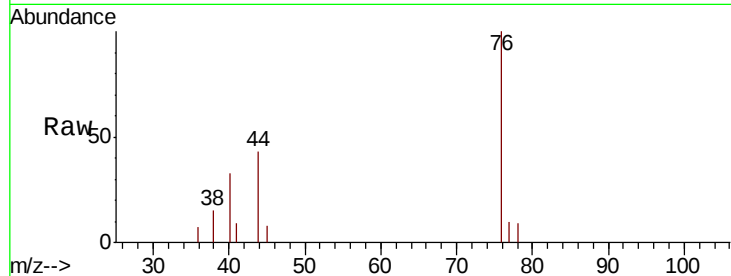




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008903.D
Acq: 12 Apr 2019 22:31

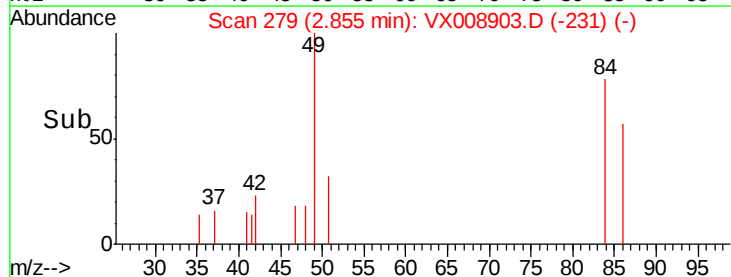
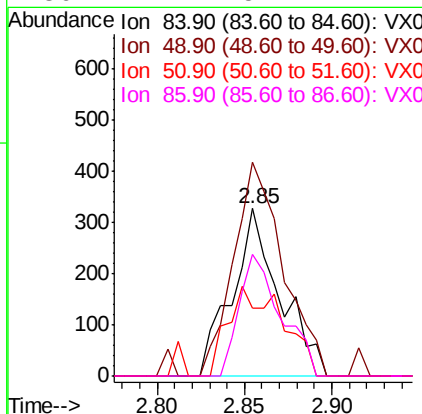
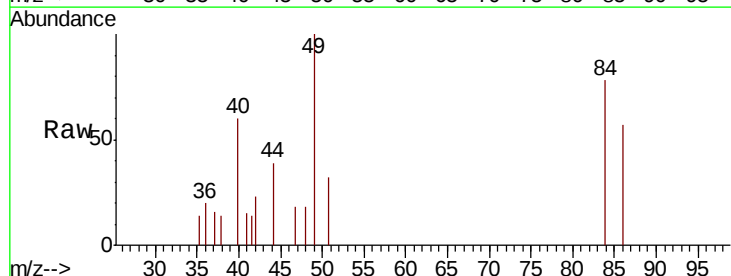
Instrument :
MSVOA_X
ClientSampleId :
VX0412WBL02

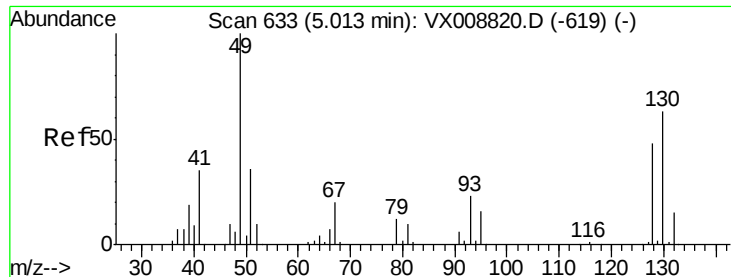
Tot Ion: 76 Resp: 1203
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#20
Methylene Chloride
Concen: 0.235 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008903.D
Acq: 12 Apr 2019 22:31

Tgt Ion: 84 Resp: 621
Ion Ratio Lower Upper
84 100
49 127.9 109.7 164.5
51 40.8 33.6 50.4
86 72.7 51.4 77.2





#28

Bromochloromethane

Concen: Below Cal

RT: 4.97 min Scan# 626

Delta R.T. -0.05 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBL02

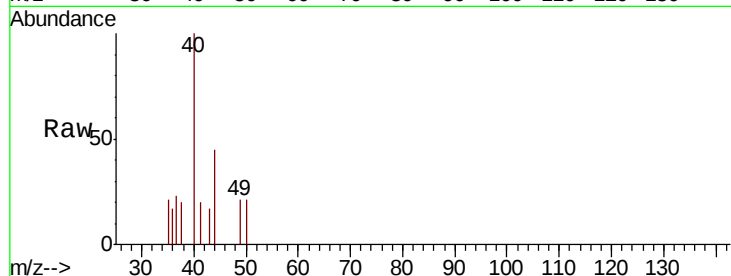
Tot Ion: 49 Resp: 86

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

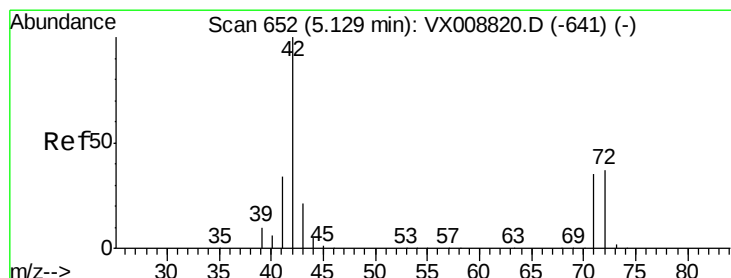
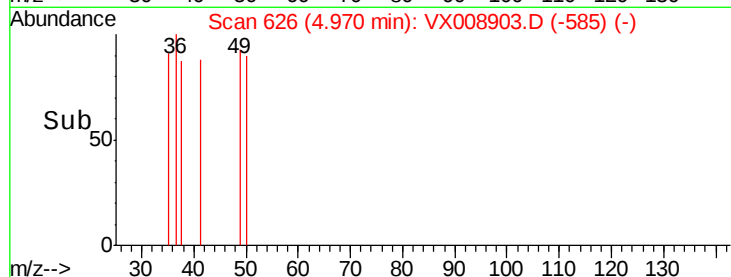
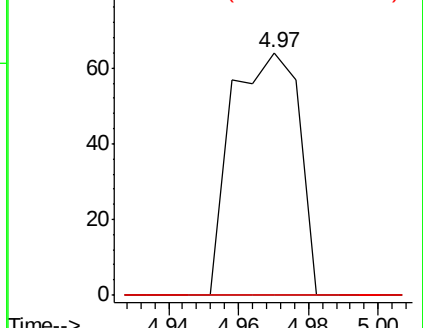
130 0.0 49.3 73.9#



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: 0.213 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

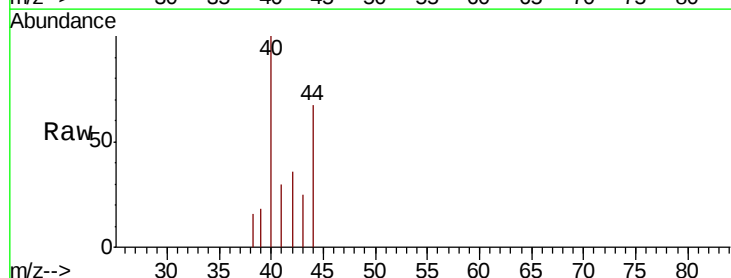
Tgt Ion: 42 Resp: 352

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

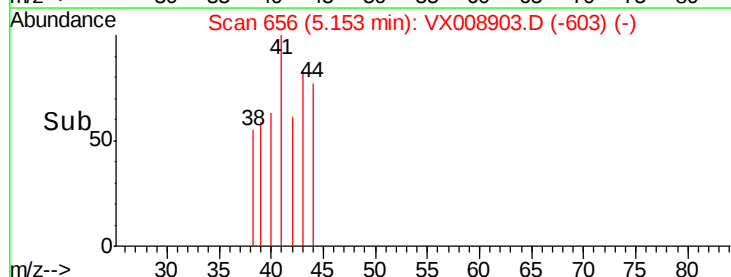
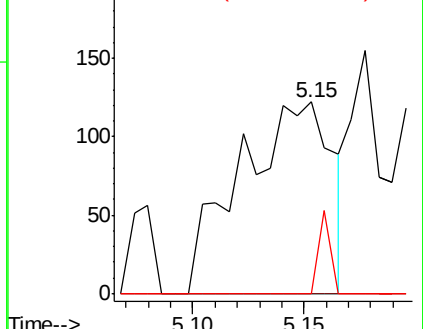
71 5.4 28.6 43.0#

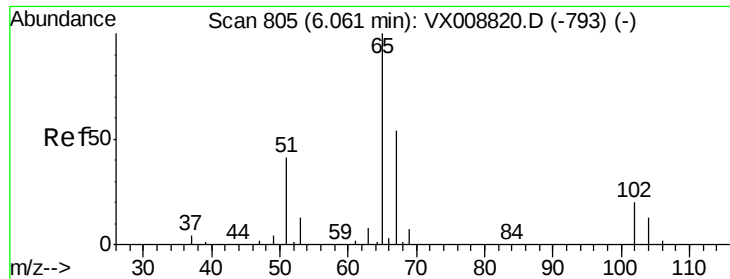


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.339 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

Instrument :

MSVOA_X

ClientSampleId :

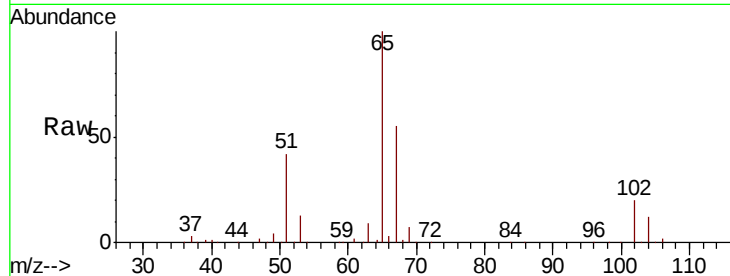
VX0412WBL02

Tot Ion: 65 Resp: 124050

Ion Ratio Lower Upper

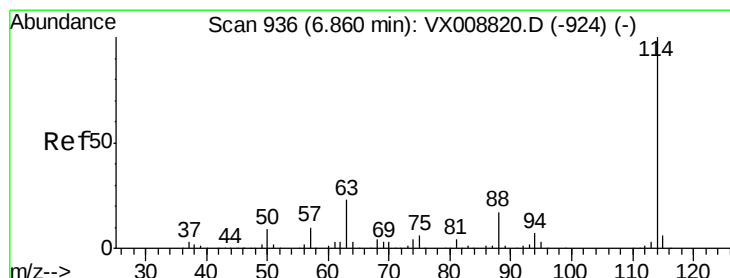
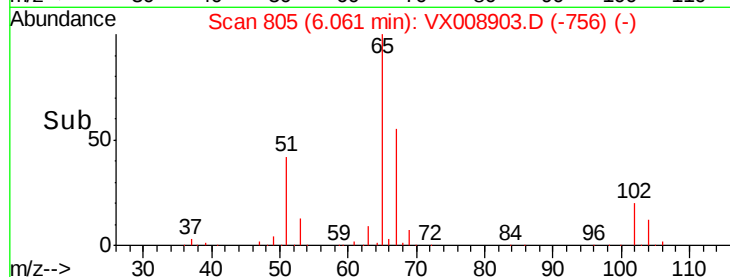
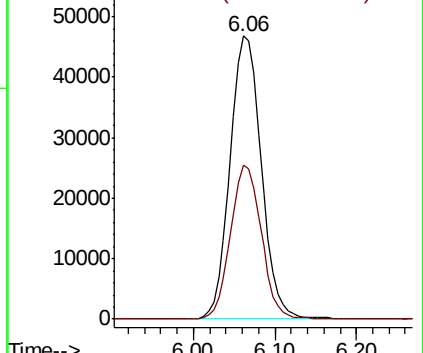
65 100

67 53.9 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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

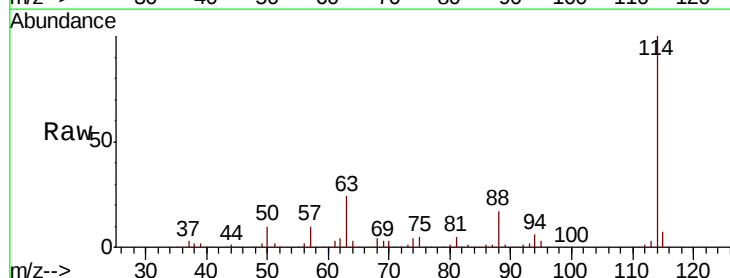
Tgt Ion: 114 Resp: 300157

Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.2

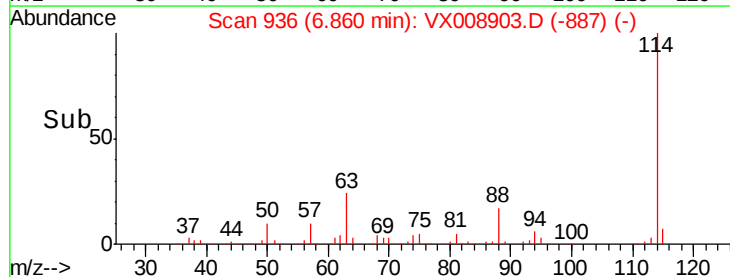
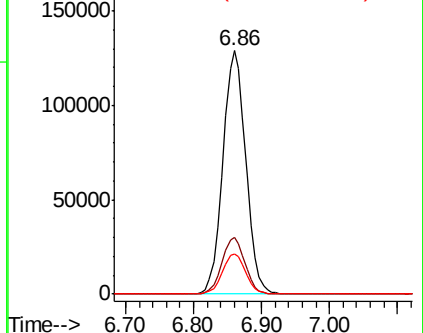
88 16.7 0.0 34.0

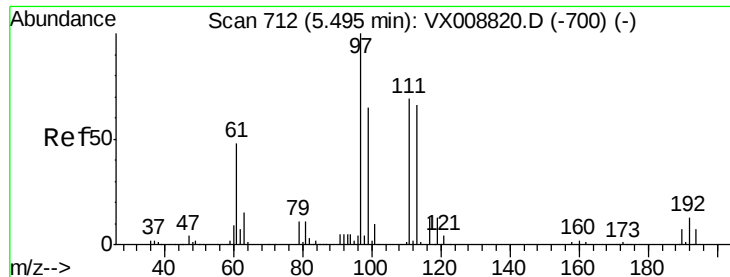


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.578 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBL02

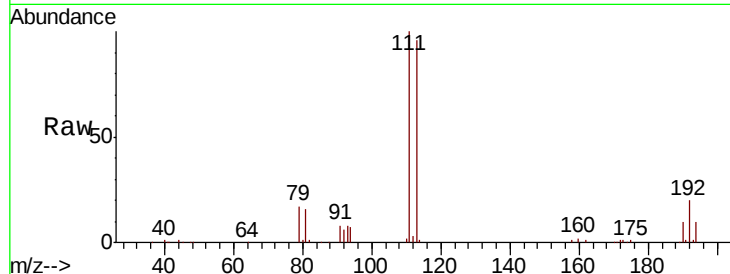
Tot Ion:113 Resp: 89388

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

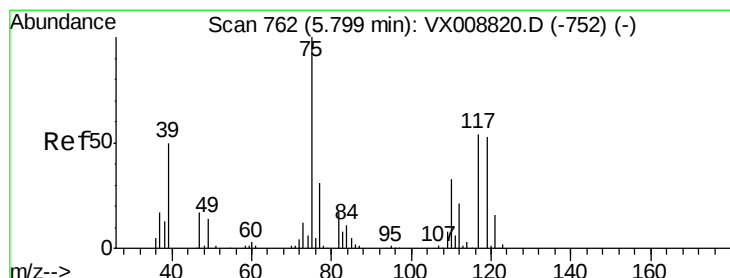
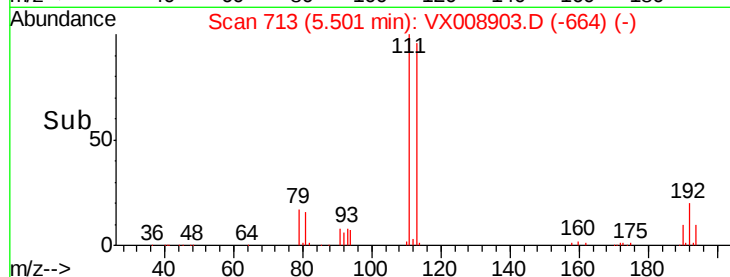
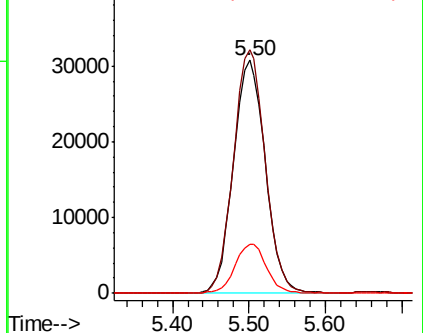
192 20.6 16.1 24.1



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: 4.489 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

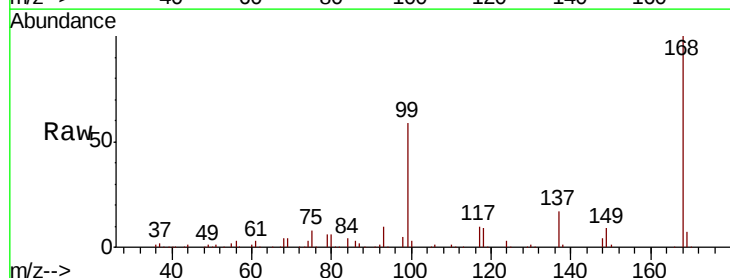
Tgt Ion: 75 Resp: 14730

Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.2#

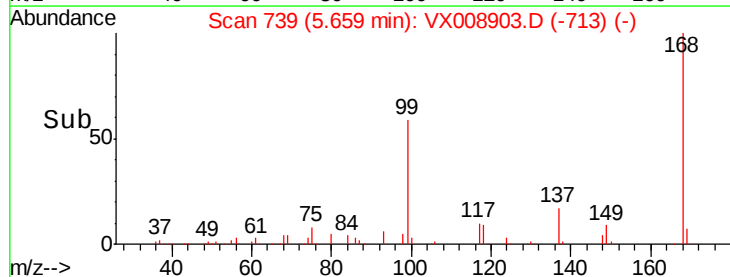
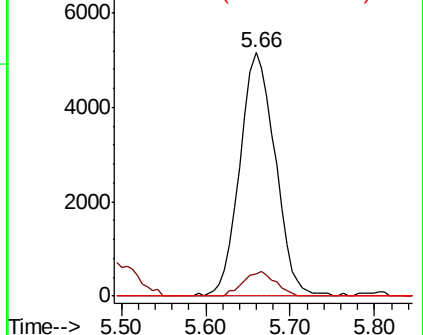
77 0.0 24.7 37.1#

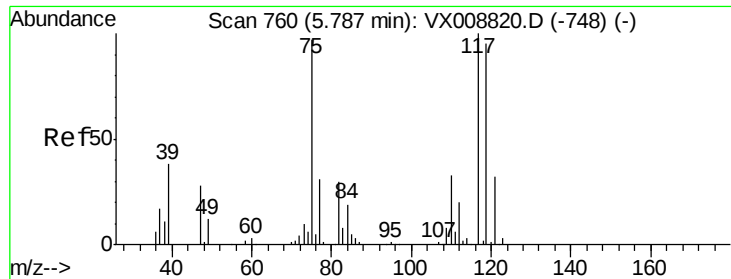


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

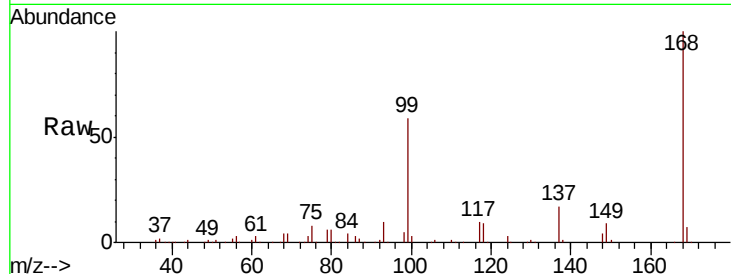




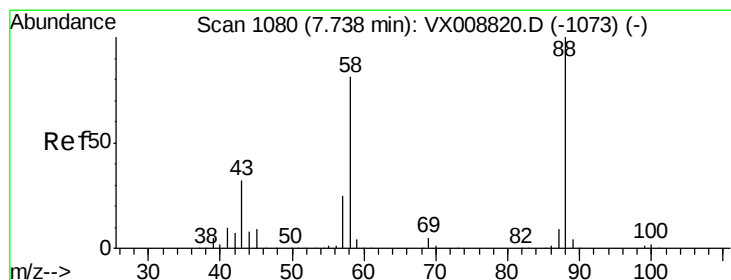
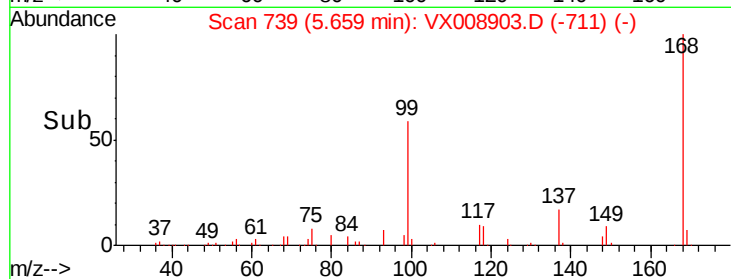
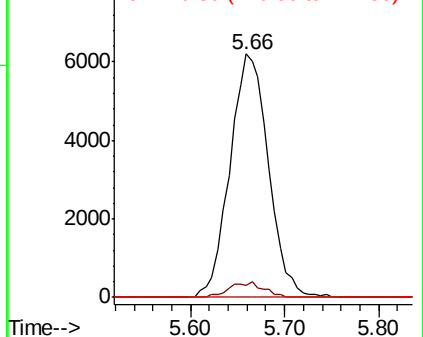
#38
Carbon Tetrachloride
Concen: 6.495 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008903.D
Acq: 12 Apr 2019 22:31

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBL02

Tot Ion:117 Resp: 17639
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 24.3 36.5#

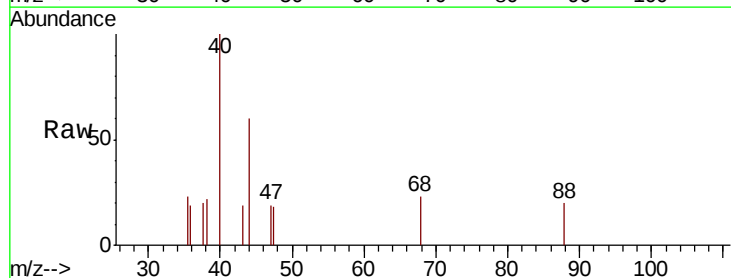


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

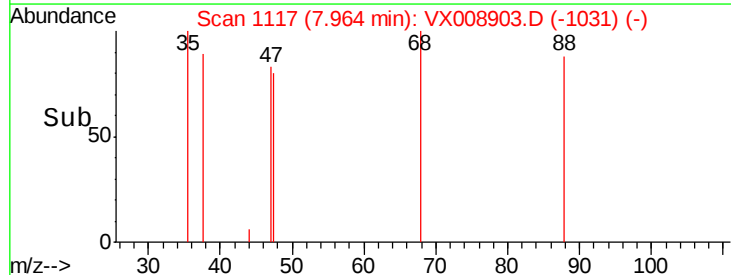
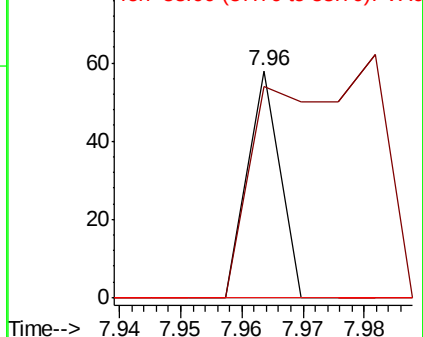


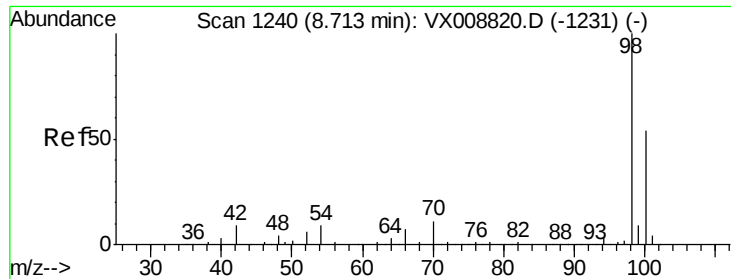
#49
1,4-Dioxane
Concen: 0.323 ug/l
RT: 7.96 min Scan# 1117
Delta R.T. 0.23 min
Lab File: VX008903.D
Acq: 12 Apr 2019 22:31

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 376.2 28.6 43.0#
58 0.0 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: 49.312 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

Instrument :

MSVOA_X

ClientSampleId :

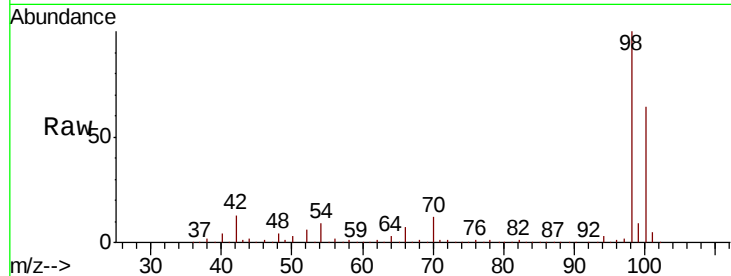
VX0412WBL02

Tot Ion: 98 Resp: 376809

Ion Ratio Lower Upper

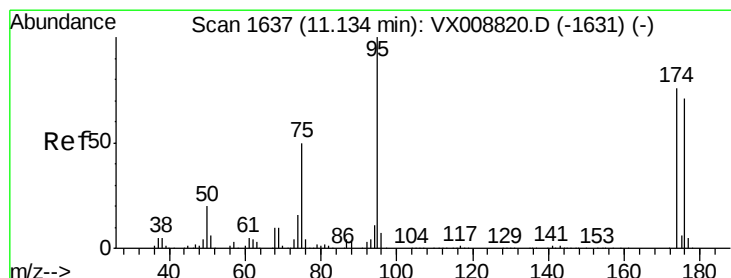
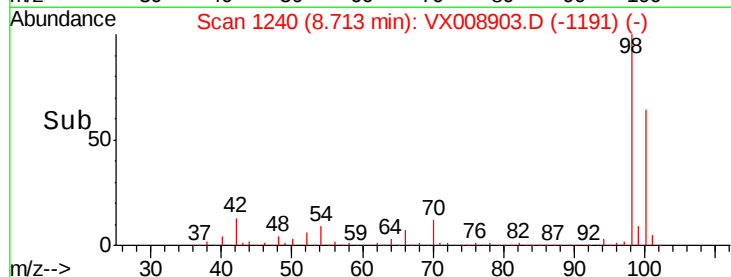
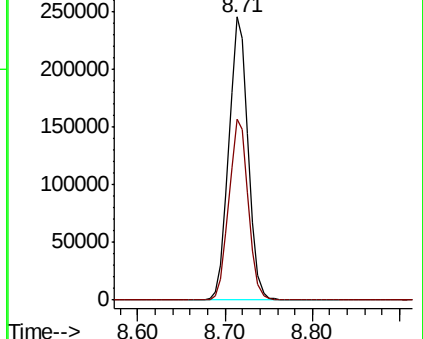
98 100

100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.403 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

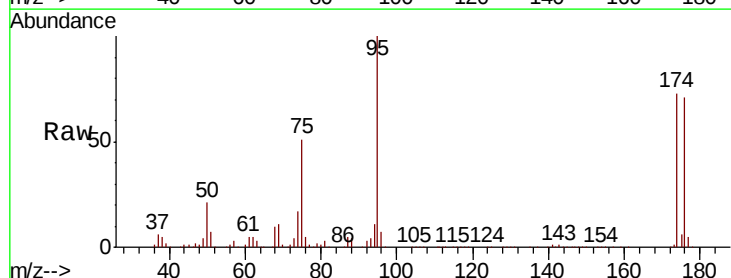
Tgt Ion: 95 Resp: 125740

Ion Ratio Lower Upper

95 100

174 78.2 0.0 151.8

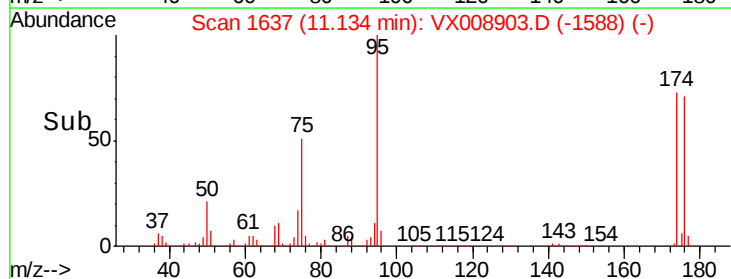
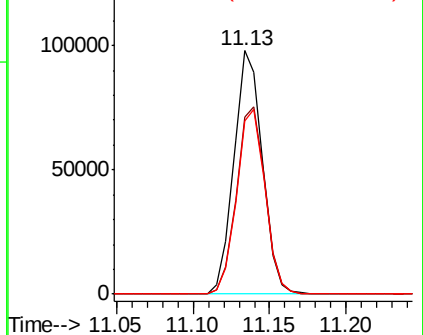
176 76.5 0.0 145.8

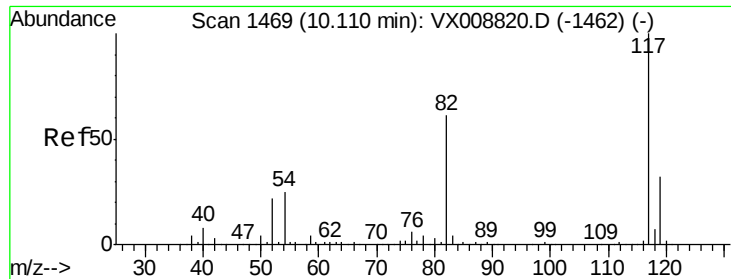


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

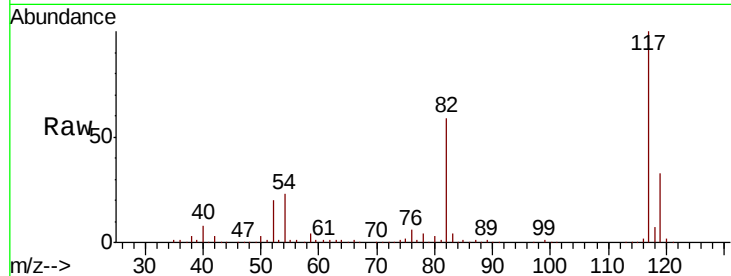




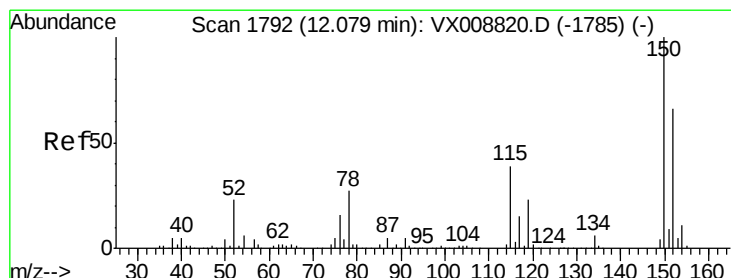
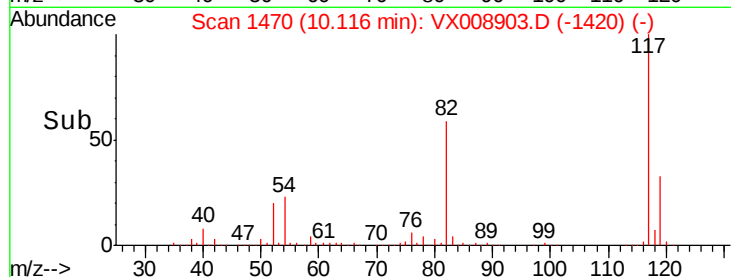
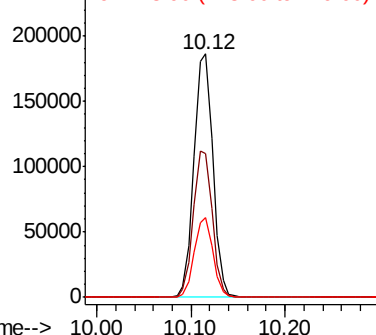
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008903.D
Acq: 12 Apr 2019 22:31

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBL02

Tot Ion:117 Resp: 260889
Ion Ratio Lower Upper
117 100
82 58.9 49.6 74.4
119 33.0 25.0 37.4

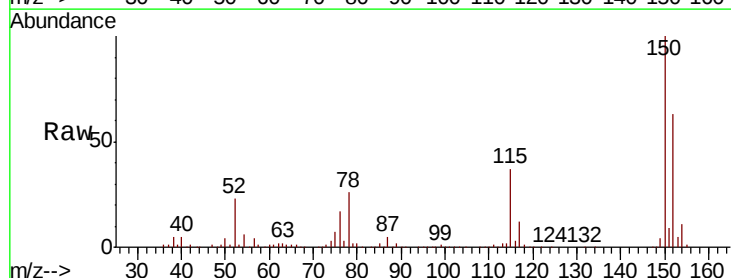


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

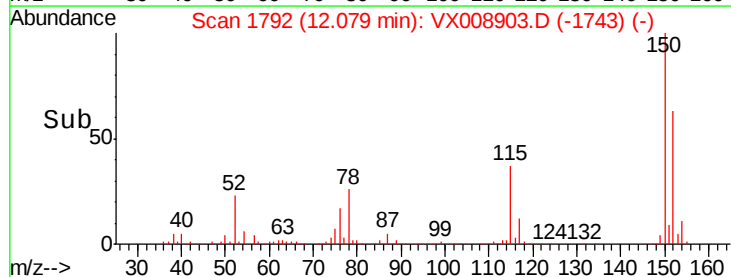
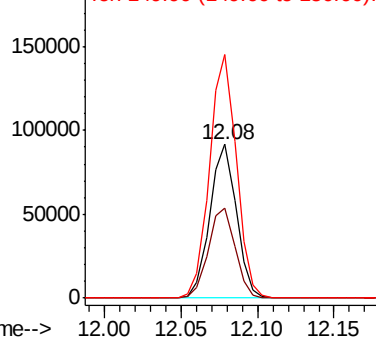


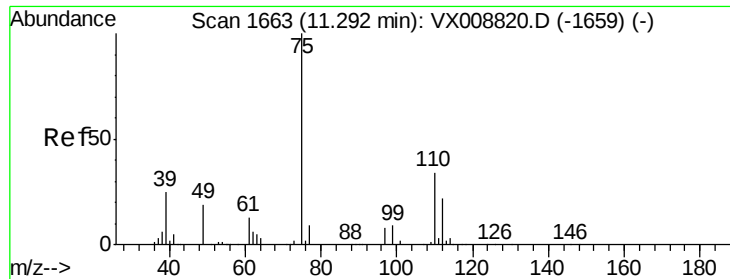
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008903.D
Acq: 12 Apr 2019 22:31

Tgt Ion:152 Resp: 110629
Ion Ratio Lower Upper
152 100
115 59.5 43.5 130.5
150 159.6 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: 20.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

Instrument :

MSVOA_X

ClientSampleId :

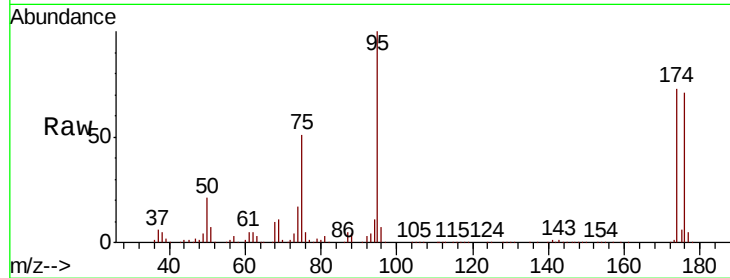
VX0412WBL02

Tot Ion: 75 Resp: 63573

Ion Ratio Lower Upper

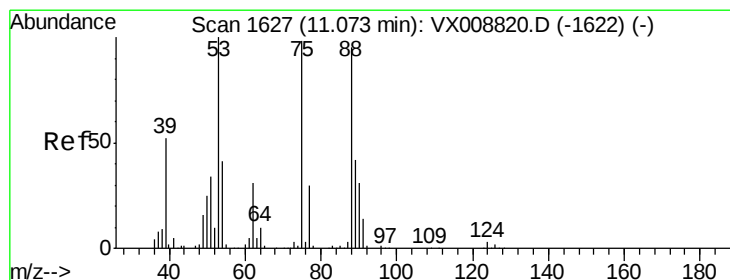
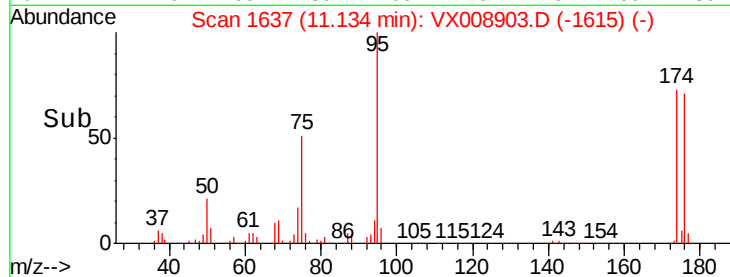
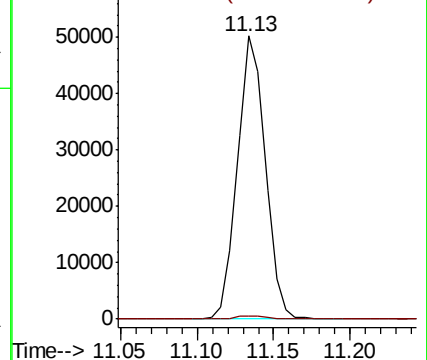
75 100

77 1.3 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: 57.663 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008903.D

Acq: 12 Apr 2019 22:31

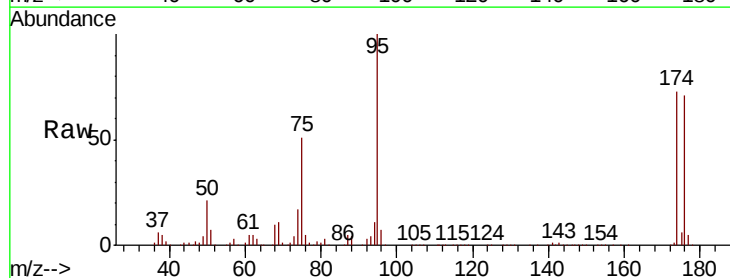
Tgt Ion: 75 Resp: 63573

Ion Ratio Lower Upper

75 100

53 0.0 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

