

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030619\
 Data File : VX007860.D
 Acq On : 06 Mar 2019 15:06
 Operator : JC/SP
 Sample : VX0306WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBL01

Quant Time: Mar 07 07:48:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	308594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	482561	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	446549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210918	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	170436	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	5.50	113	156959	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	8.71	98	575990	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.13	95	210141	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	

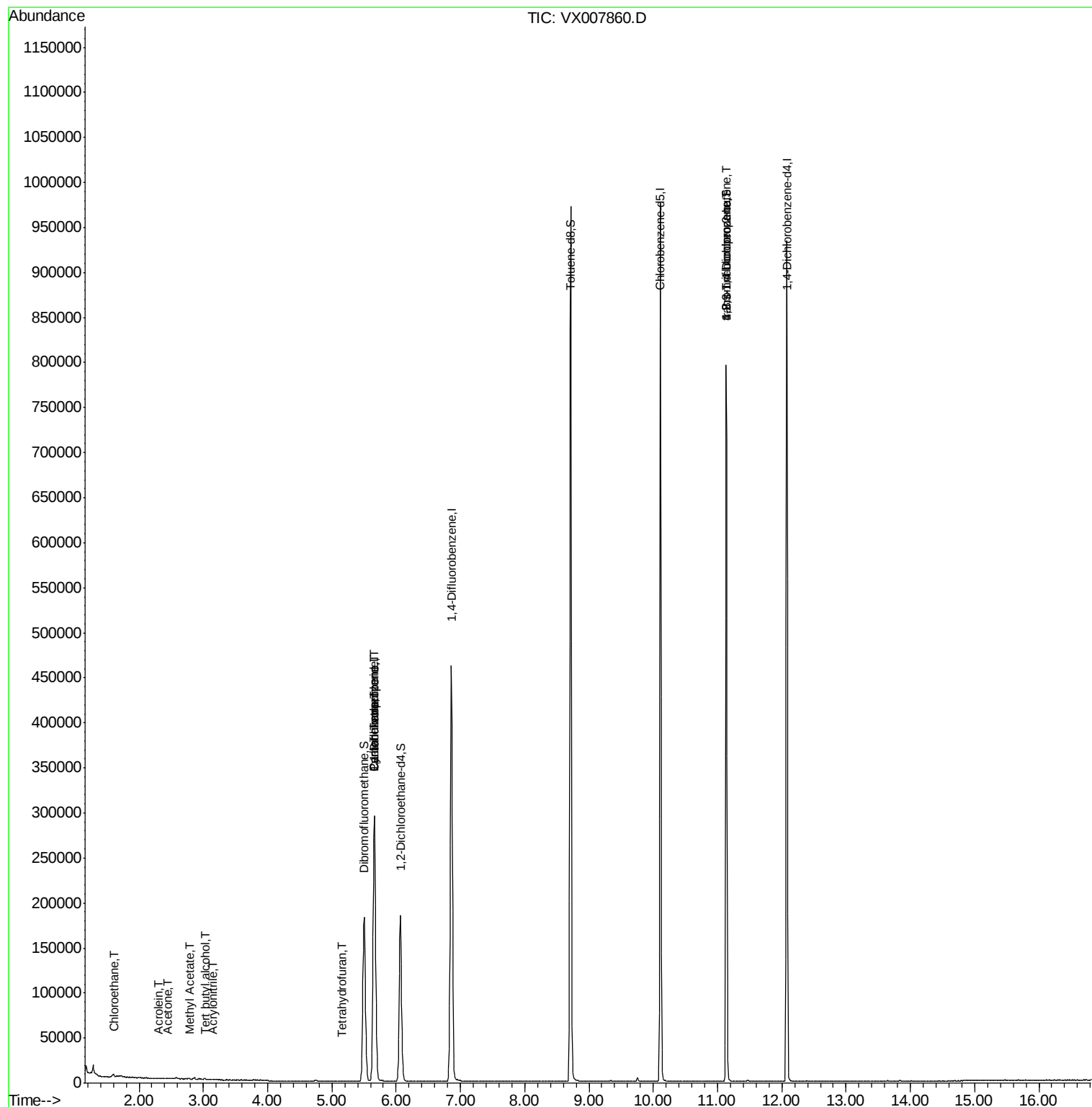
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	179	Below Cal	#	72
6) Chloroethane	1.62	64	5147	2.295	ug/l #	60
11) Tert butyl alcohol	3.03	59	701	0.963	ug/l #	73
13) Acrolein	2.30	56	121	1.833	ug/l	87
15) Acrylonitrile	3.15	53	383	0.208	ug/l	96
16) Acetone	2.45	43	508	0.270	ug/l #	88
17) Carbon Disulfide	2.57	76	1758	Below Cal	#	85
18) Methyl Acetate	2.78	43	984	0.246	ug/l #	75
29) Tetrahydrofuran	5.15	42	349	0.210	ug/l #	39
31) Cyclohexane	5.67	56	4682	0.936	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19495	4.462	ug/l #	49
38) Carbon Tetrachloride	5.66	117	26653	6.425	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	95929	21.674	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	95929	69.282	ug/l #	11

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

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Quant Time: Mar 07 07:48:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007860.D

Acq: 06 Mar 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

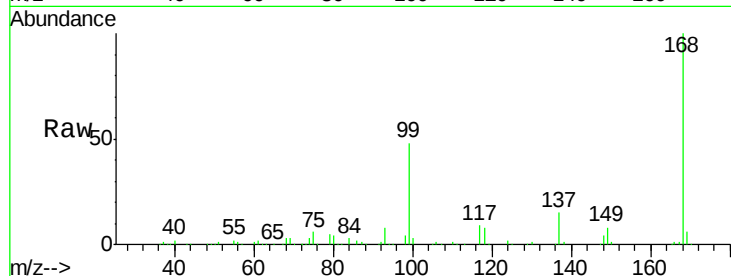
VX0306WBL01

Tgt Ion:168 Resp: 308594

Ion Ratio Lower Upper

168 100

99 48.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

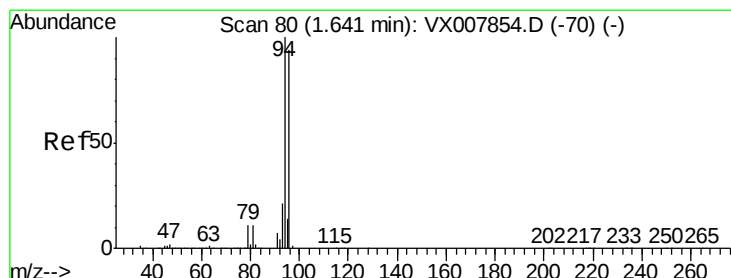
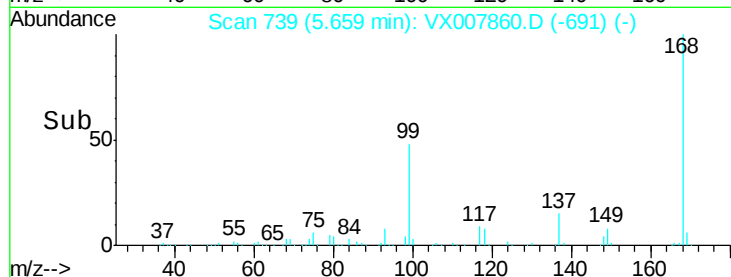
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX007860.D

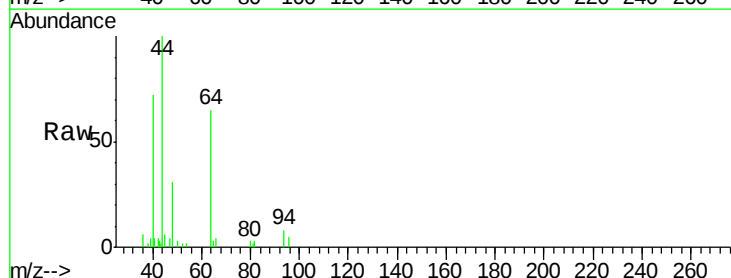
Acq: 06 Mar 2019 15:06

Tgt Ion: 94 Resp: 179

Ion Ratio Lower Upper

94 100

96 67.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

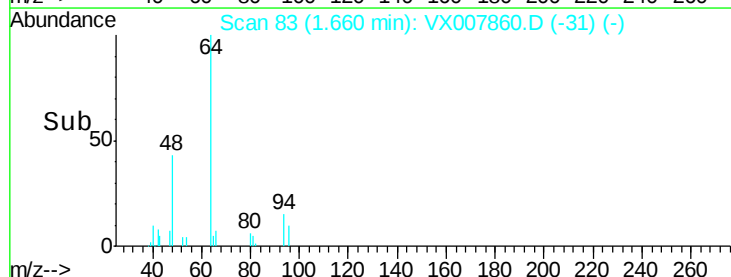
150

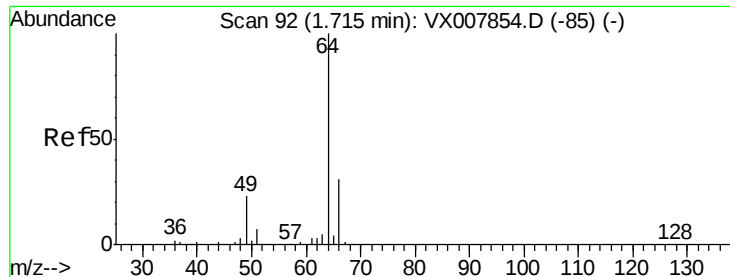
100

50

0

Time--> 1.62 1.64 1.66 1.68 1.70





#6

Chloroethane

Concen: 2.295 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.10 min

Lab File: VX007860.D

Acq: 06 Mar 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

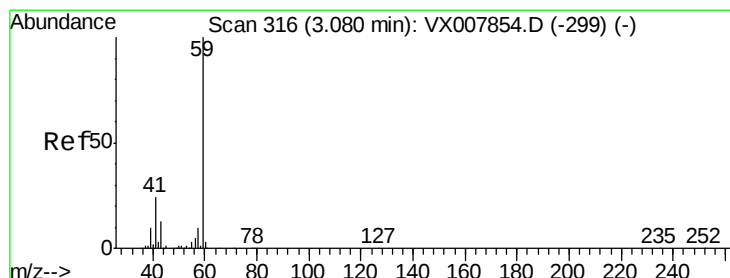
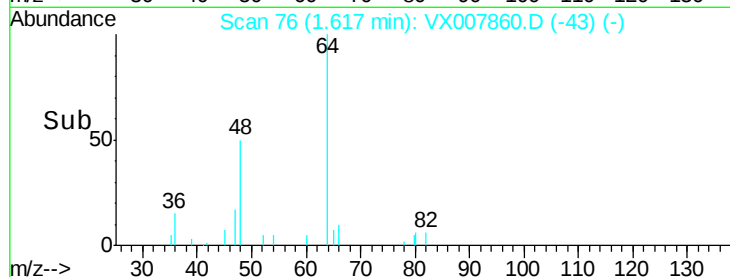
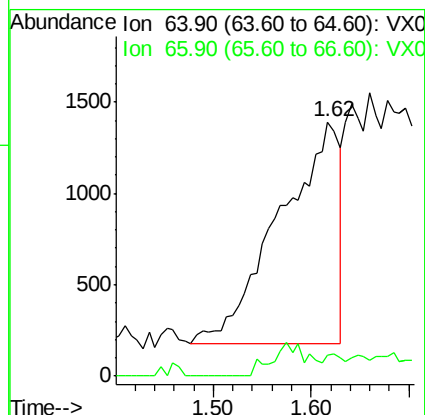
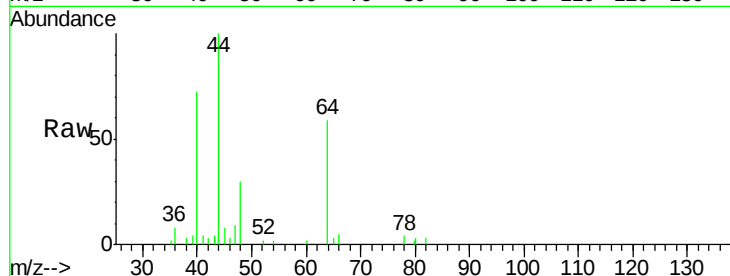
VX0306WBL01

Tgt Ion: 64 Resp: 5147

Ion Ratio Lower Upper

64 100

66 9.4 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.963 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007860.D

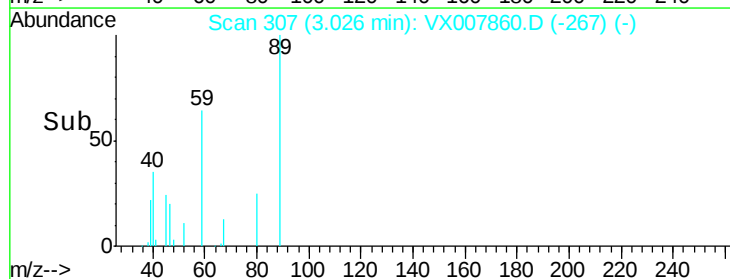
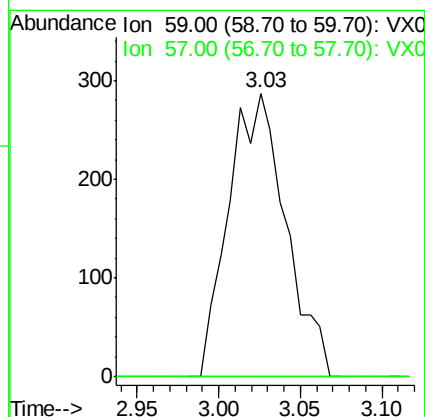
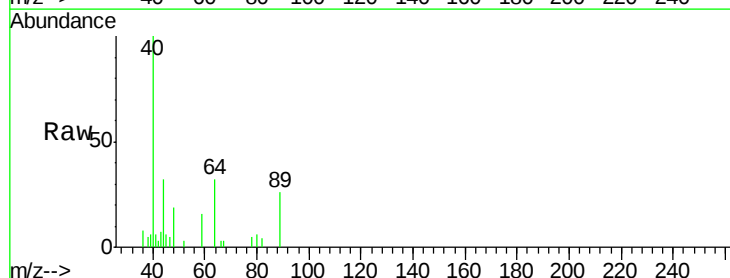
Acq: 06 Mar 2019 15:06

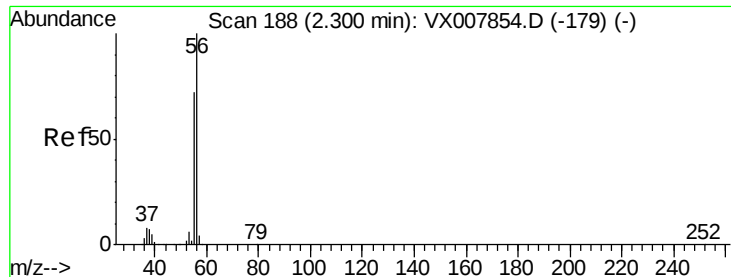
Tgt Ion: 59 Resp: 701

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 1.833 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007860.D

Acq: 06 Mar 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

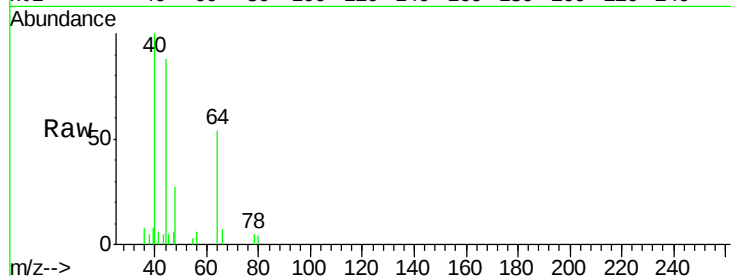
VX0306WBL01

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

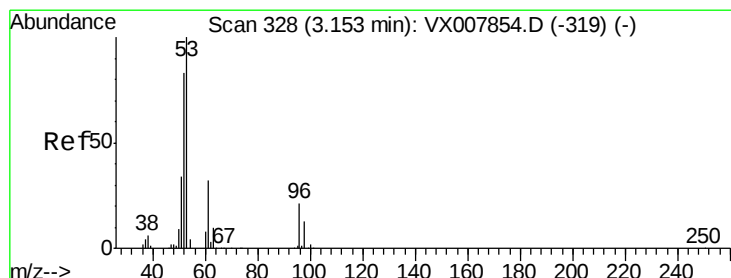
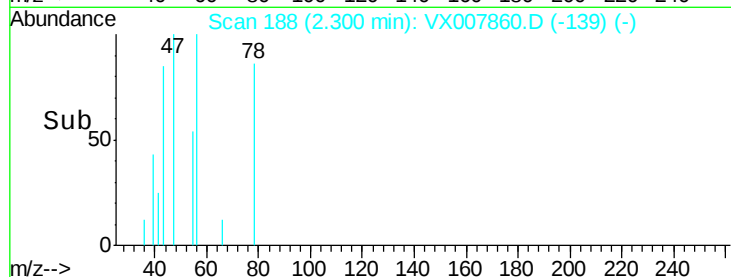
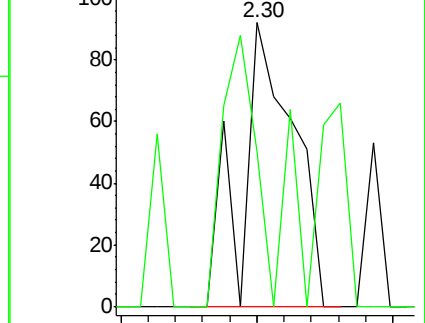
56 100

55 61.2 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.208 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007860.D

Acq: 06 Mar 2019 15:06

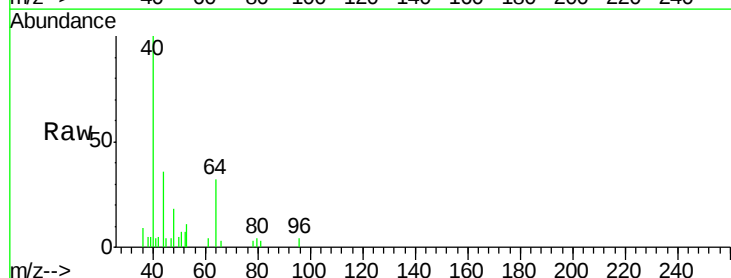
Tgt Ion: 53 Resp: 383

Ion Ratio Lower Upper

53 100

52 85.9 66.0 99.0

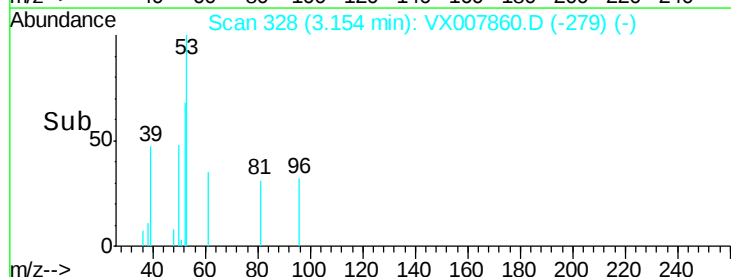
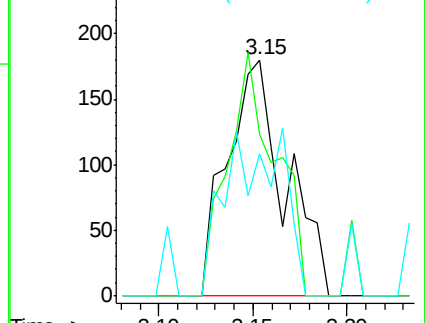
51 33.2 28.0 42.0

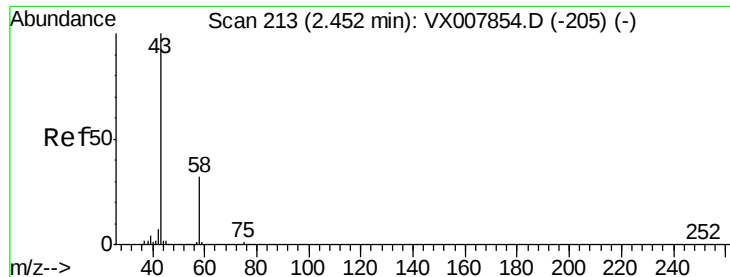


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.270 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007860.D

Acq: 06 Mar 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

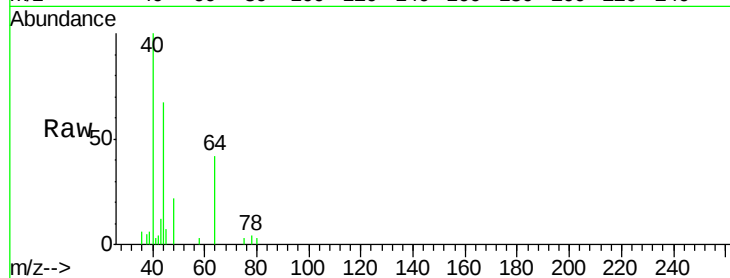
VX0306WBL01

Tgt Ion: 43 Resp: 508

Ion Ratio Lower Upper

43 100

58 25.5 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

250

200

150

100

50

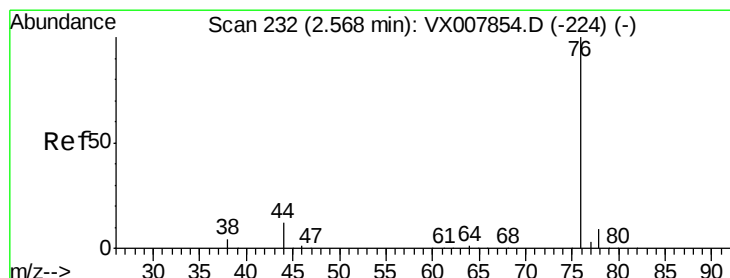
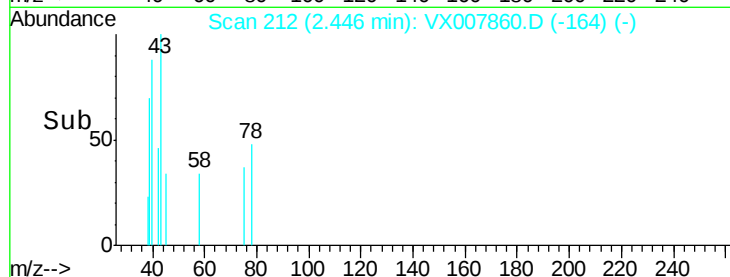
0

2.40

2.45

2.50

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007860.D

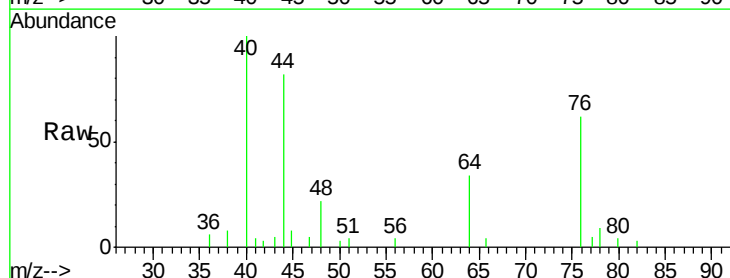
Acq: 06 Mar 2019 15:06

Tgt Ion: 76 Resp: 1758

Ion Ratio Lower Upper

76 100

78 14.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1000

800

600

400

200

0

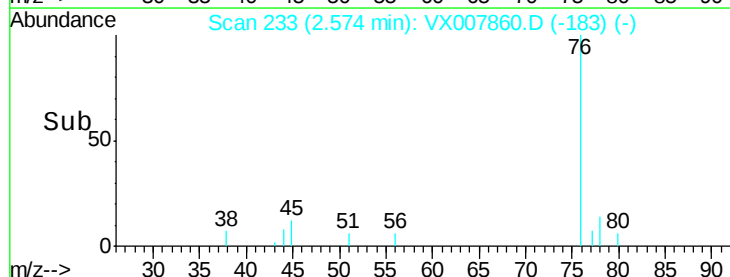
2.50

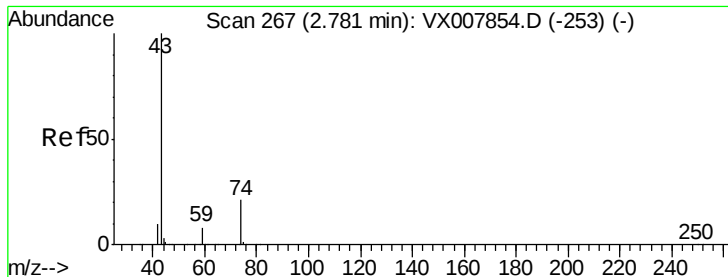
2.55

2.60

2.65

Time-->

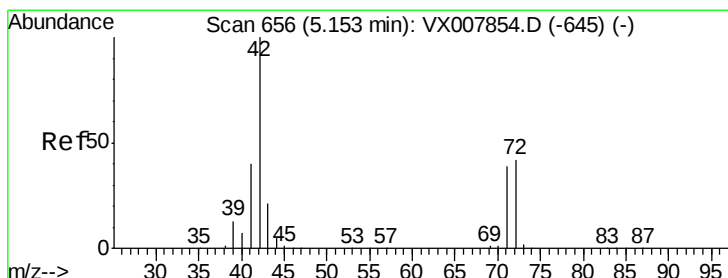
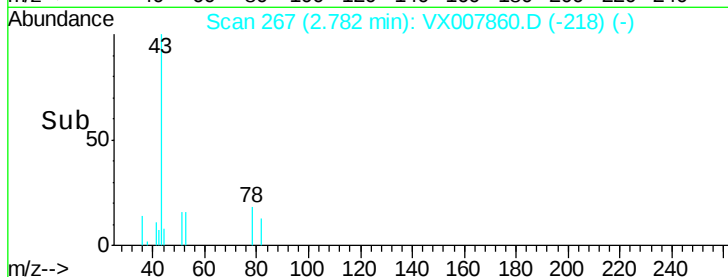
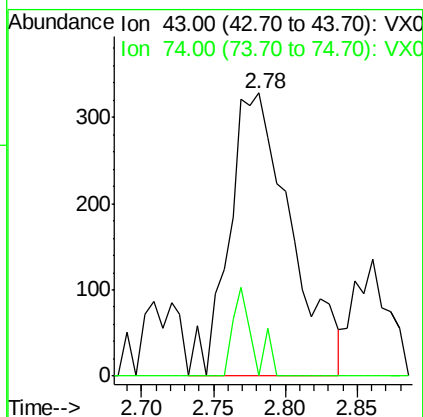
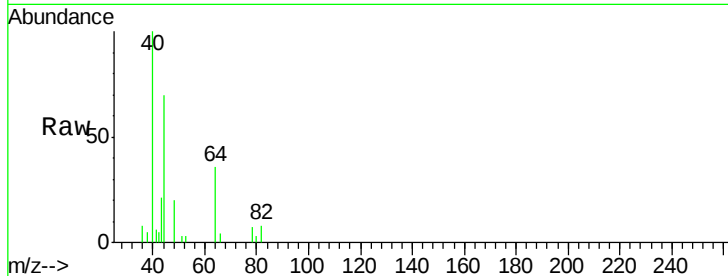




#18
Methyl Acetate
Concen: 0.246 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007860.D
Acq: 06 Mar 2019 15:06

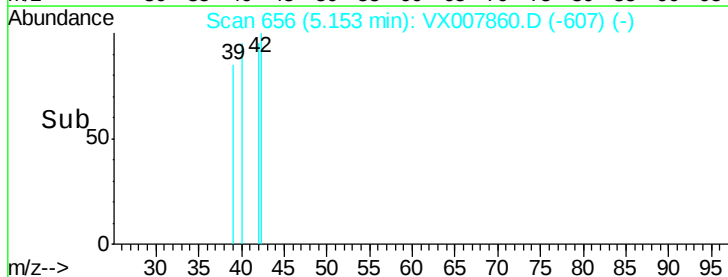
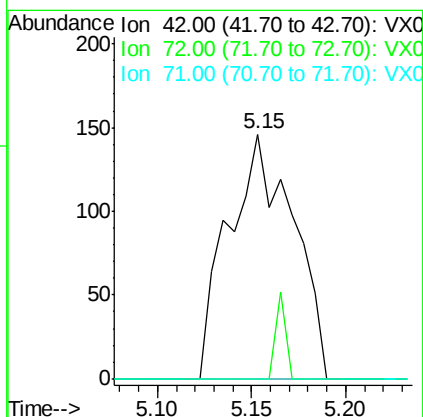
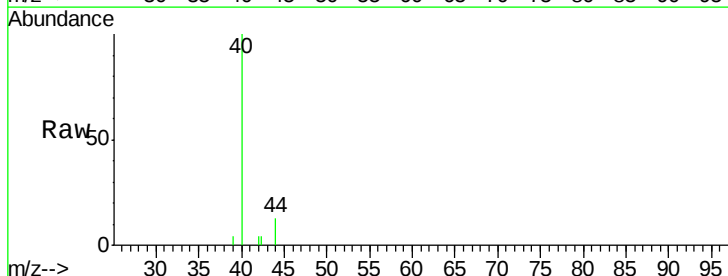
Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

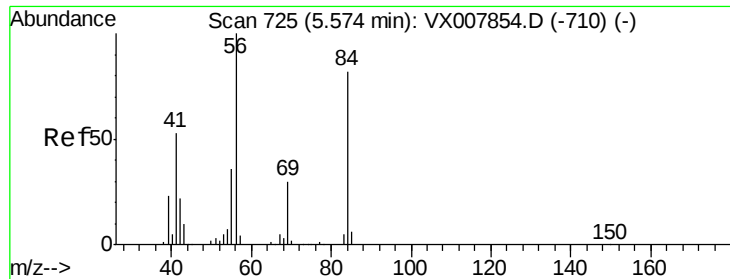
Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
74 10.3 17.8 26.6#



#29
Tetrahydrofuran
Concen: 0.210 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007860.D
Acq: 06 Mar 2019 15:06

Tgt Ion: 42 Resp: 349
Ion Ratio Lower Upper
42 100
72 5.4 33.8 50.6#
71 0.0 31.5 47.3#

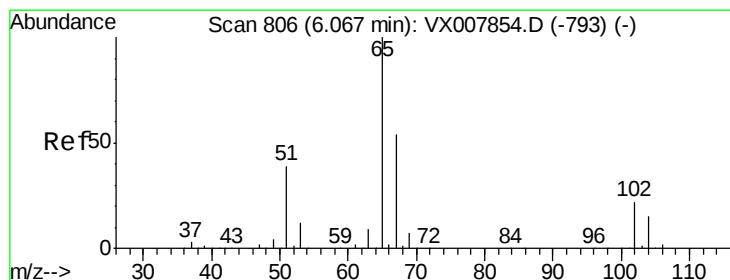
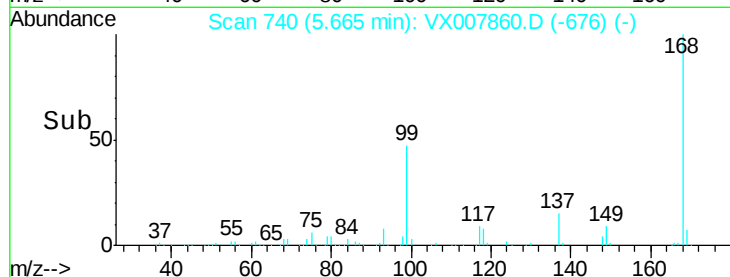
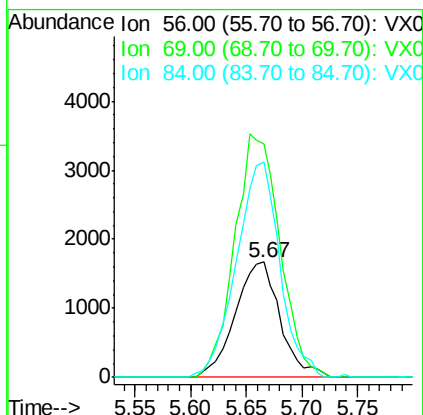
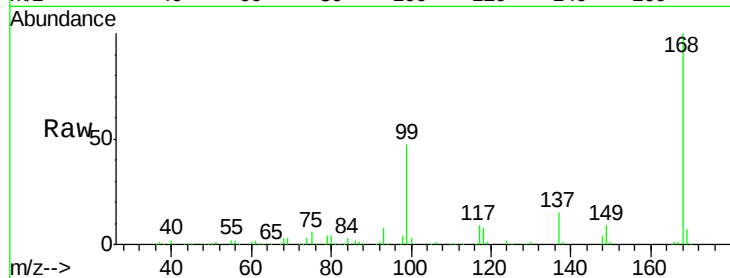




#31
Cyclohexane
Concen: 0.936 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007860.D
Acq: 06 Mar 2019 15:06

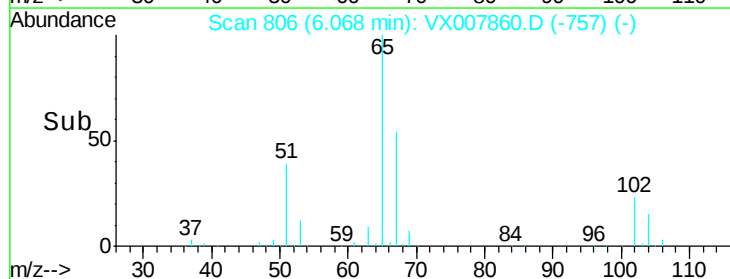
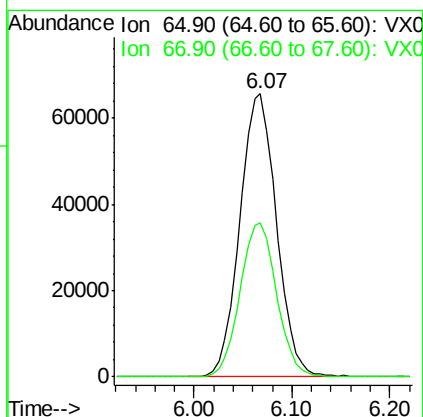
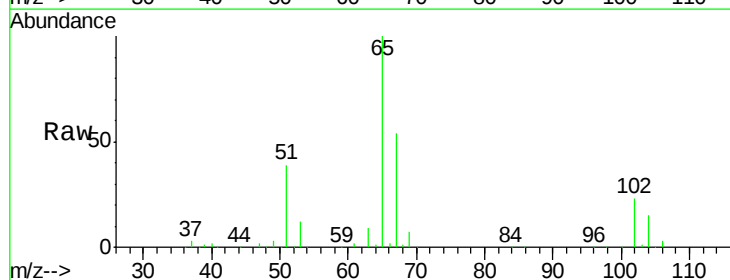
Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

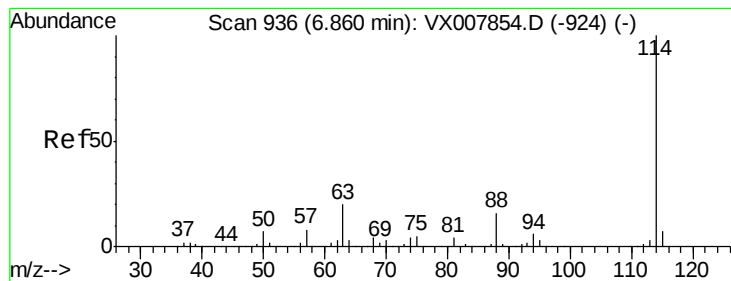
Tgt Ion: 56 Resp: 4682
Ion Ratio Lower Upper
56 100
69 201.9 24.0 36.0#
84 186.8 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 52.355 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007860.D
Acq: 06 Mar 2019 15:06

Tgt Ion: 65 Resp: 170436
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007860.D

Acq: 06 Mar 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBL01

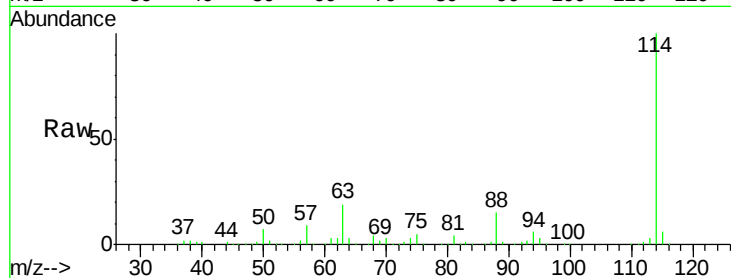
Tgt Ion:114 Resp: 482561

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

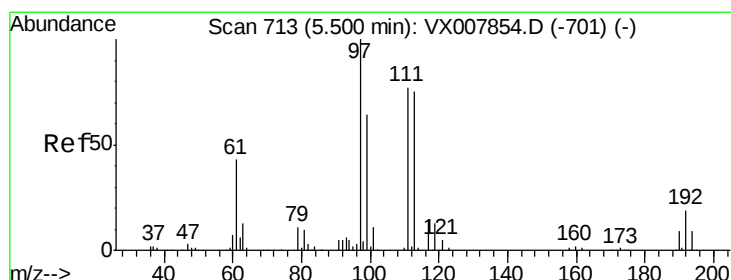
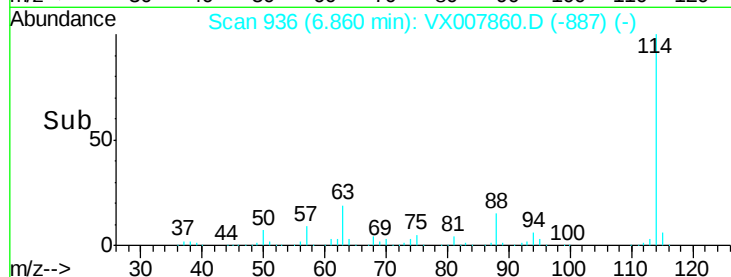
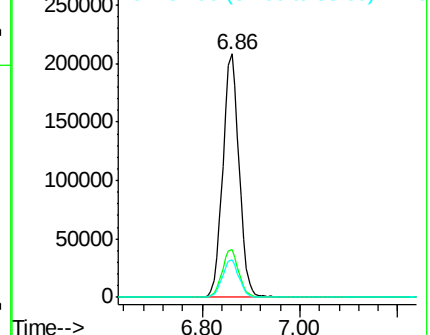
88 15.5 0.0 31.4



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: 50.849 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007860.D

Acq: 06 Mar 2019 15:06

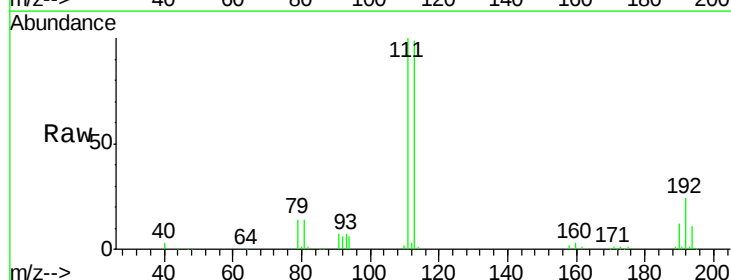
Tgt Ion:113 Resp: 156959

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

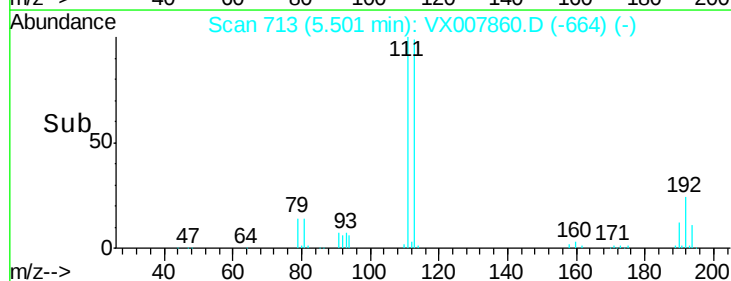
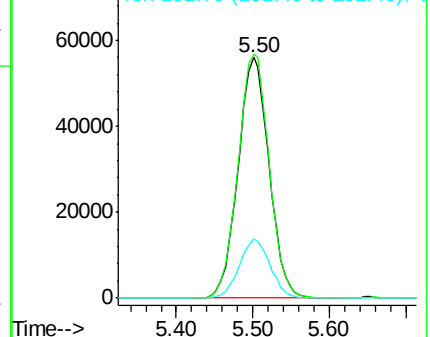
192 24.3 19.4 29.0

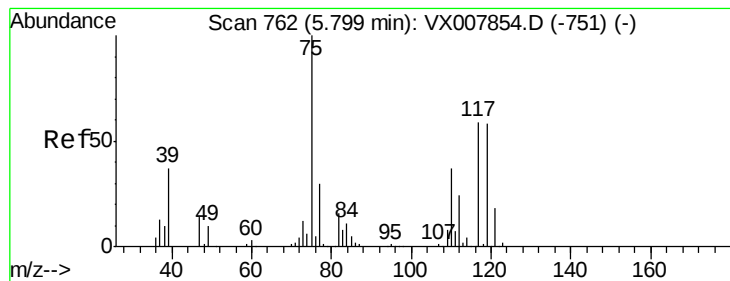


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.462 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007860.D

Acq: 06 Mar 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBL01

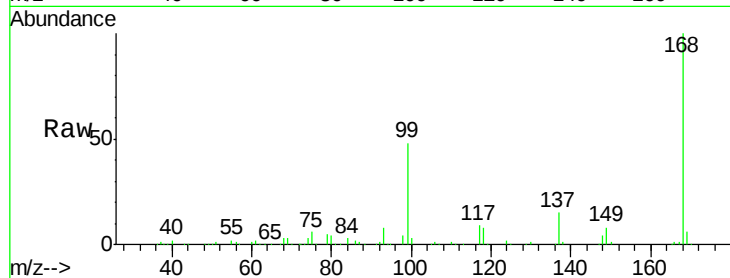
Tgt Ion: 75 Resp: 19495

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.0#

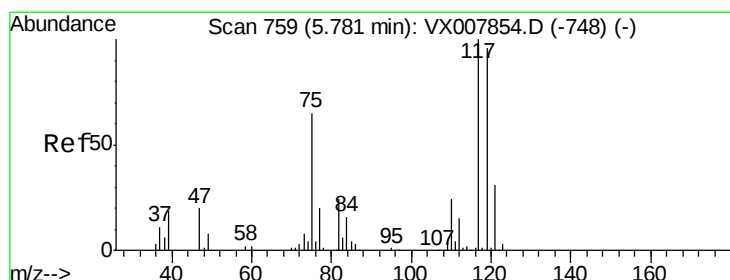
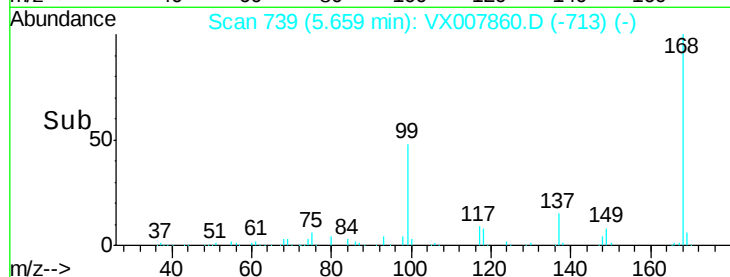
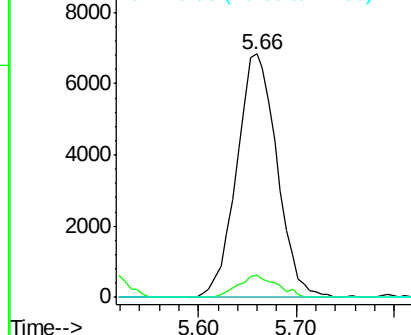
77 0.0 25.0 37.4#



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: 6.425 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007860.D

Acq: 06 Mar 2019 15:06

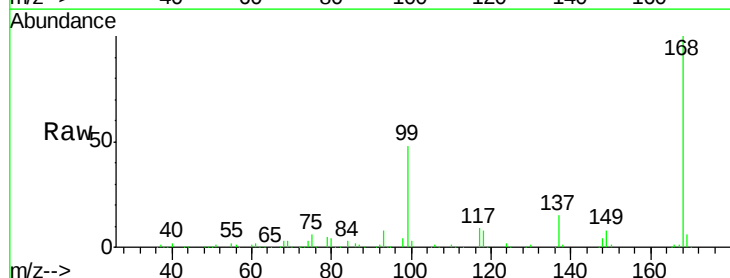
Tgt Ion: 117 Resp: 26653

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

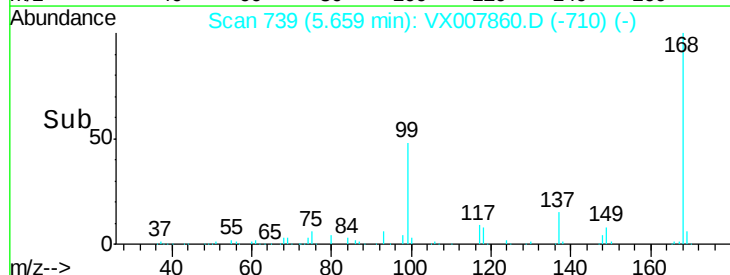
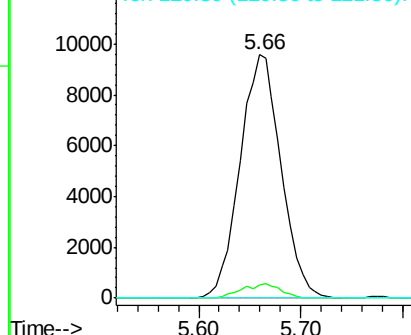
121 0.0 24.6 36.8#

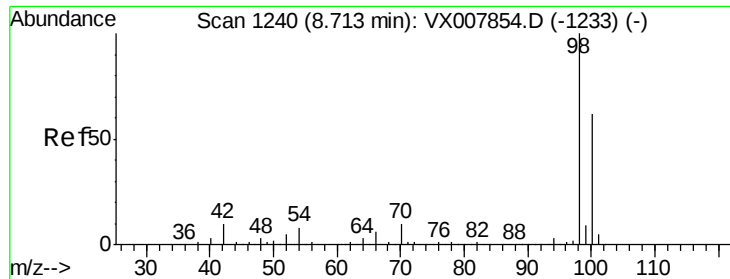


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

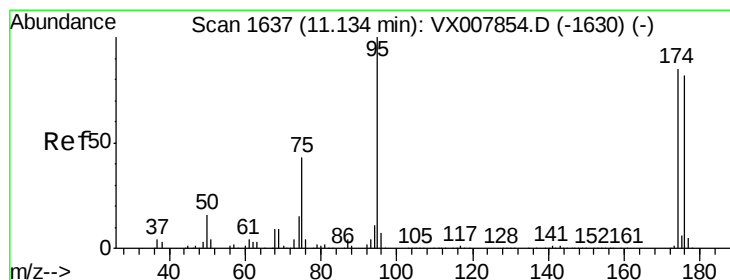
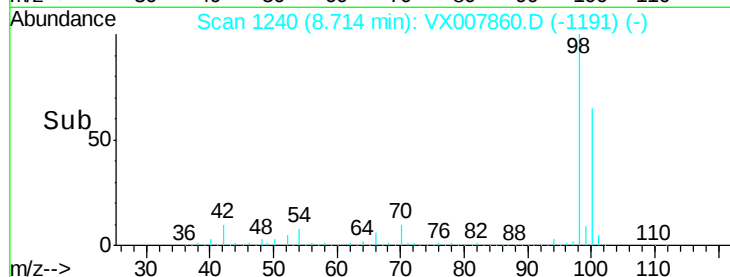
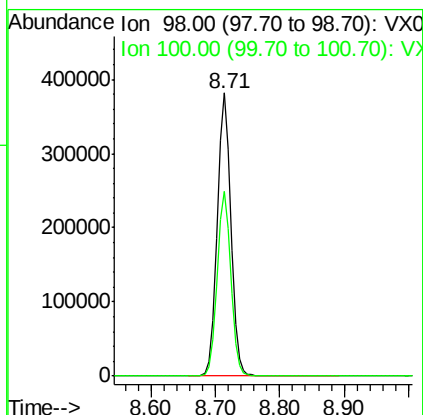
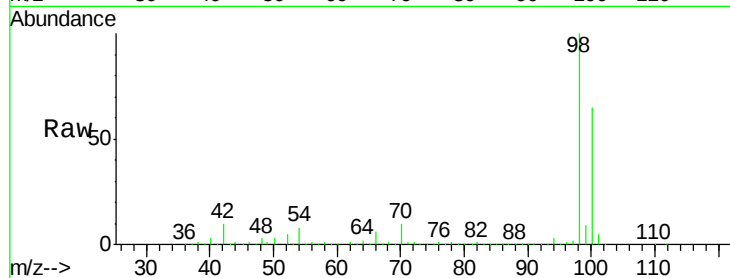




#50
Toluene-d8
Concen: 50.809 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007860.D
Acq: 06 Mar 2019 15:06

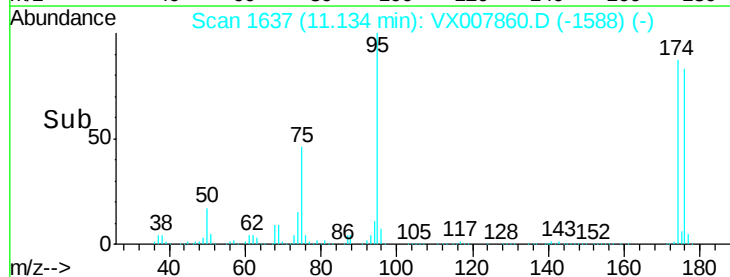
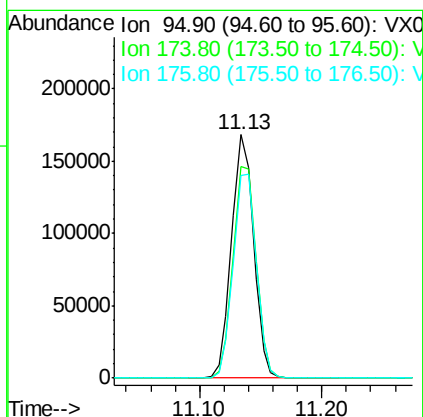
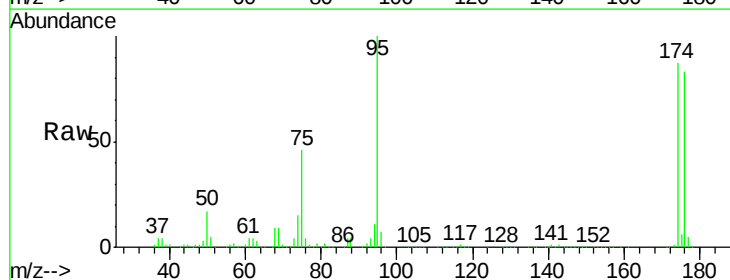
Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

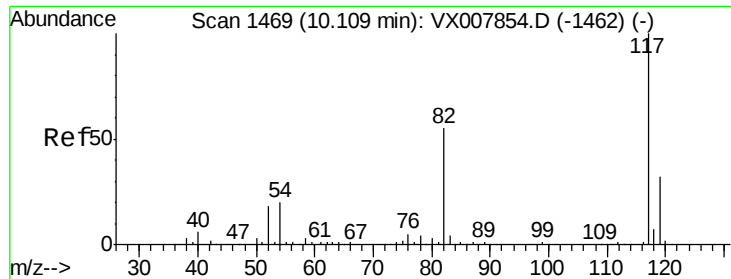
Tgt Ion: 98 Resp: 575990
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 52.872 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007860.D
Acq: 06 Mar 2019 15:06

Tgt Ion: 95 Resp: 210141
Ion Ratio Lower Upper
95 100
174 91.5 0.0 182.8
176 88.3 0.0 178.0

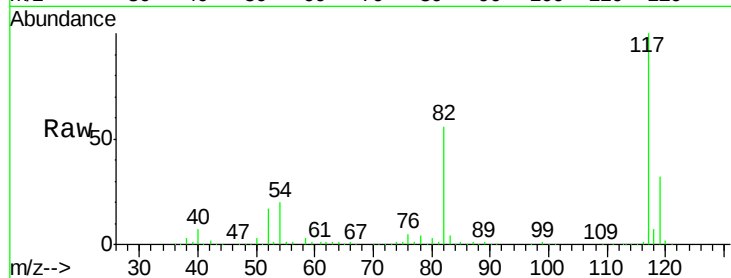




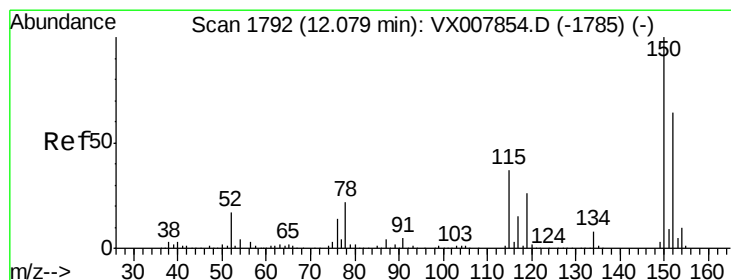
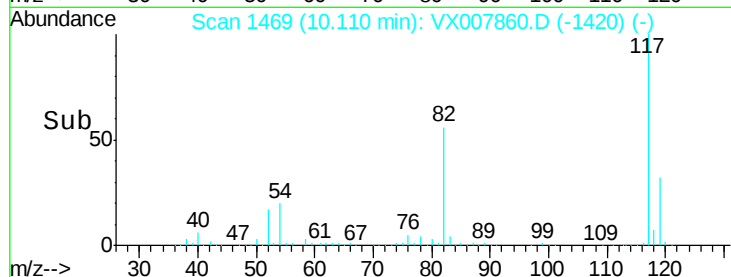
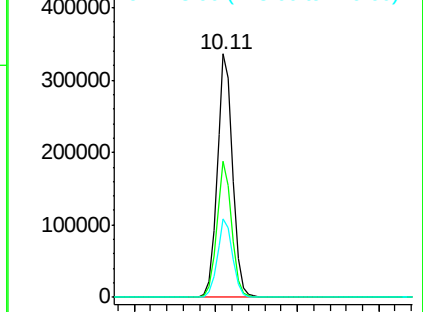
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007860.D
Acq: 06 Mar 2019 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Tgt Ion:117 Resp: 446549
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.2 25.3 37.9

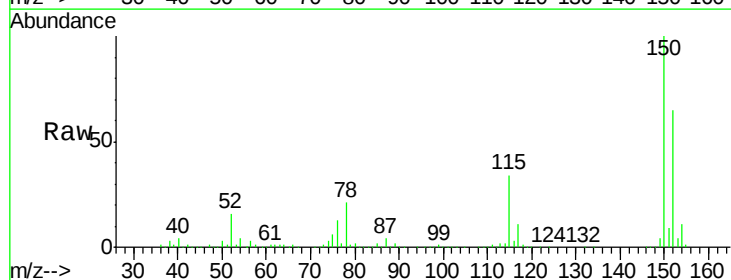


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

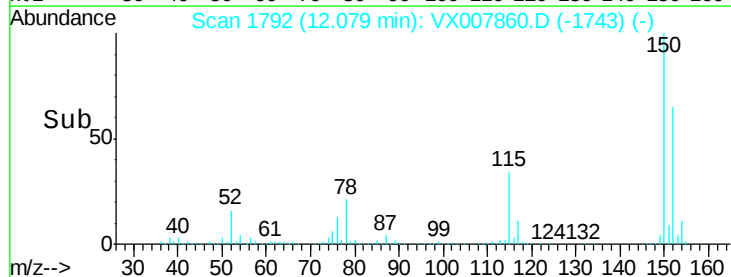
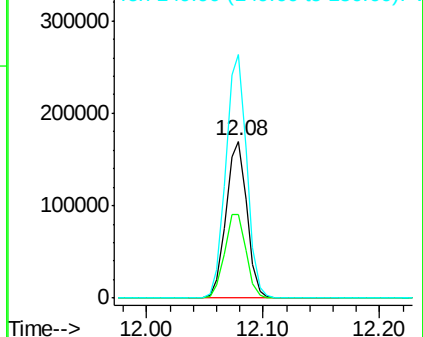


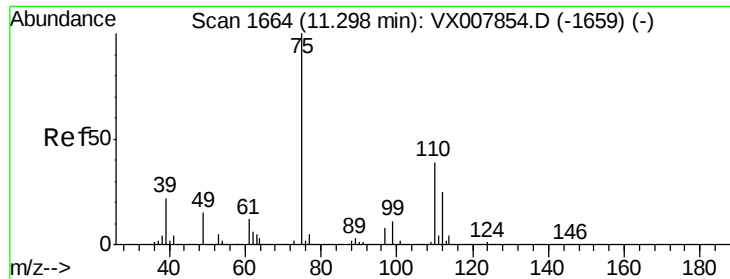
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007860.D
Acq: 06 Mar 2019 15:06

Tgt Ion:152 Resp: 210918
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 155.9 0.0 348.4



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

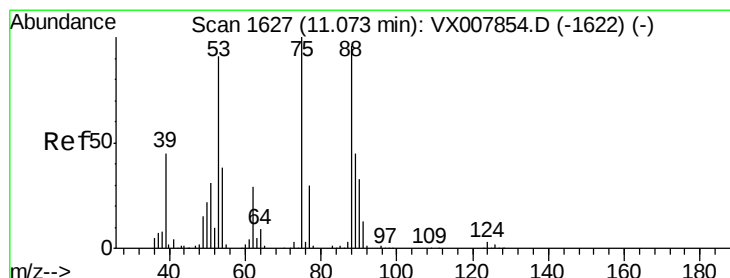
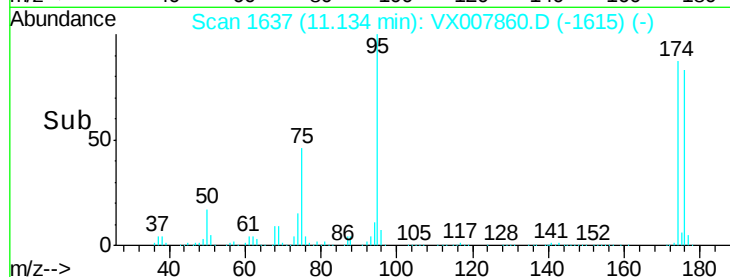
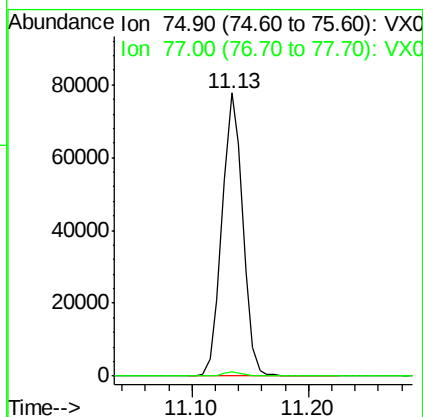
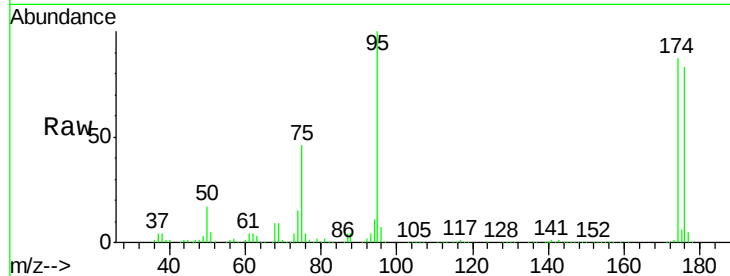




#76
 1,2,3-Trichloropropane
 Concen: 21.674 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007860.D
 Acq: 06 Mar 2019 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBL01

Tgt Ion: 75 Resp: 95929
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.282 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007860.D
 Acq: 06 Mar 2019 15:06

Tgt Ion: 75 Resp: 95929
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

