

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
 Data File : VX000481.D
 Acq On : 28 Mar 2018 11:33
 Operator : JC/MD
 Sample : VX0328WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBL01

Quant Time: Mar 29 04:07:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	125750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	224281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	229203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118937	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	90950	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	
35) Dibromofluoromethane	5.51	113	71994	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	8.72	98	291751	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.15	95	100296	41.72	ug/l	0.00
Spiked Amount			Recovery	=	83.44%	

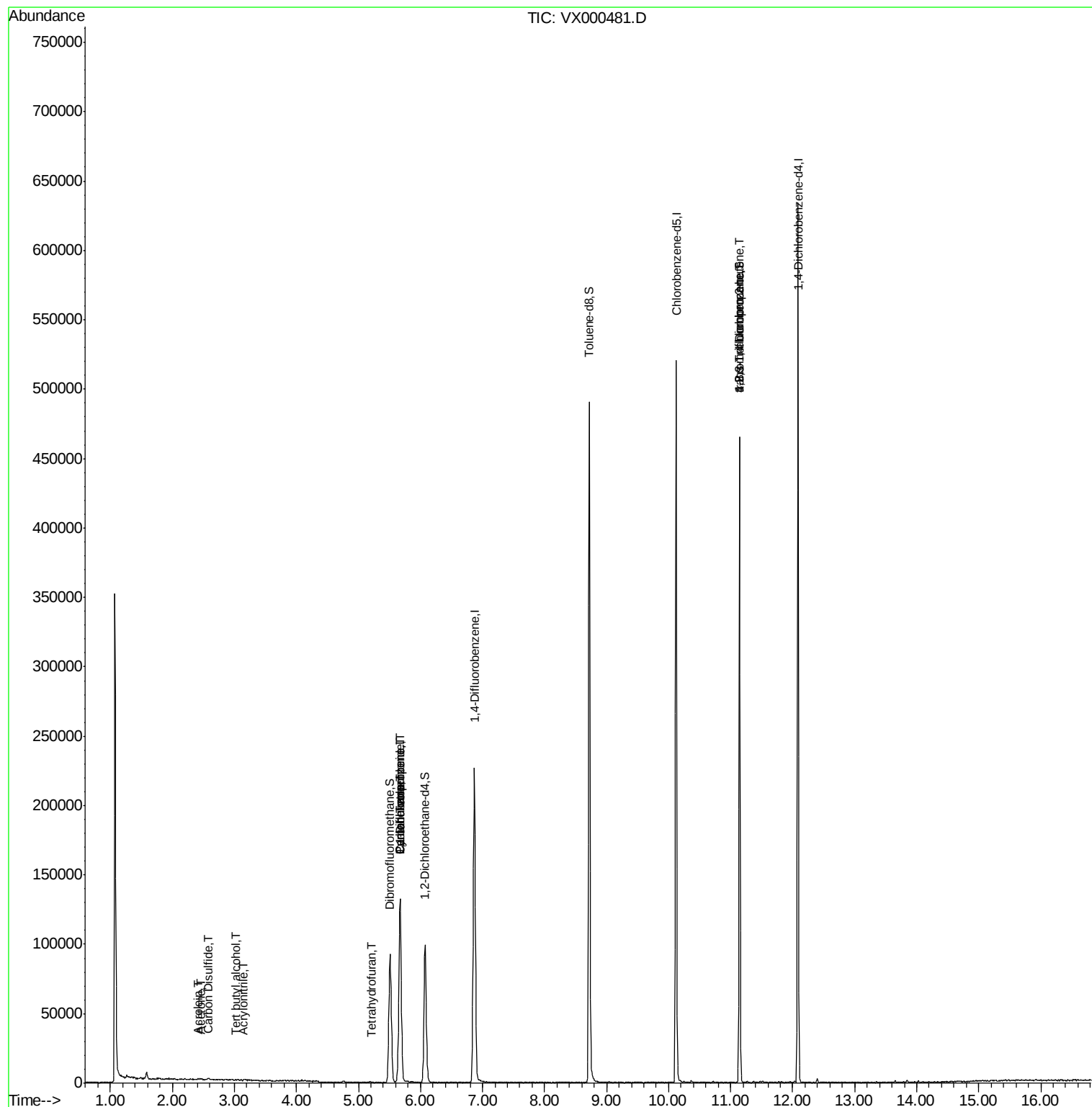
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	659	Below Cal	#	44
11) Tert butyl alcohol	3.02	59	300	0.53	ug/l #	90
13) Acrolein	2.42	56	30	14.73	ug/l #	1
14) Allyl chloride	2.72	41	186	Below Cal	#	22
15) Acrylonitrile	3.15	53	376	0.33	ug/l #	83
16) Acetone	2.45	43	687	0.50	ug/l #	44
17) Carbon Disulfide	2.57	76	1278	0.37	ug/l #	84
29) Tetrahydrofuran	5.20	42	497	0.53	ug/l #	31
31) Cyclohexane	5.67	56	2906	1.40	ug/l #	30
36) 1,1-Dichloropropene	5.67	75	9613	4.58	ug/l #	48
38) Carbon Tetrachloride	5.67	117	11850	5.38	ug/l #	14
74) N-amyl acetate	6.48	43	52	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	58612	22.93	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	58612	74.24	ug/l #	9

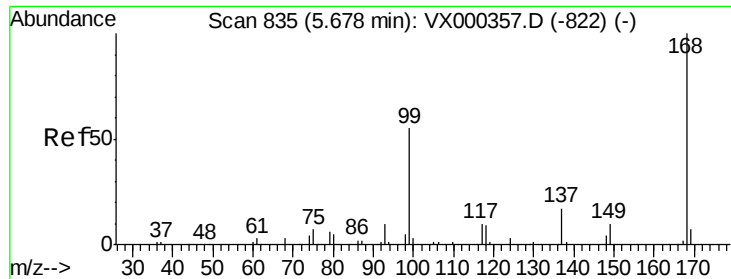
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampled :

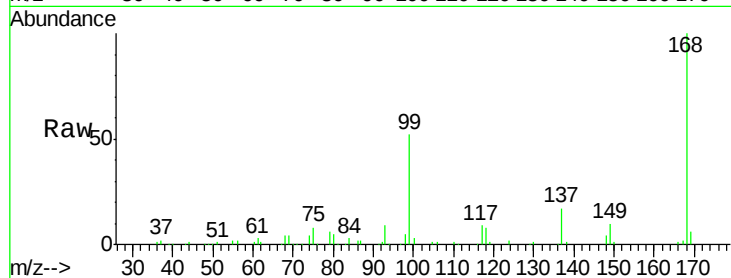
VX0328WBL01

Tgt Ion:168 Resp: 125750

Ion Ratio Lower Upper

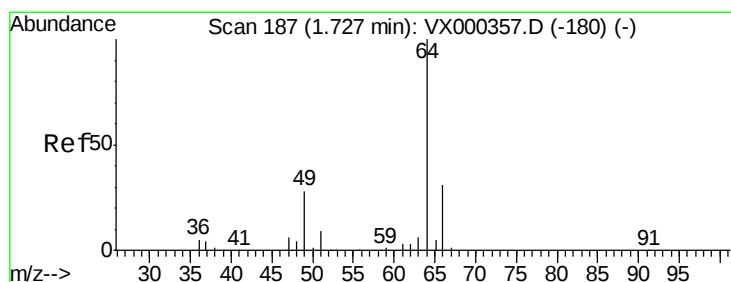
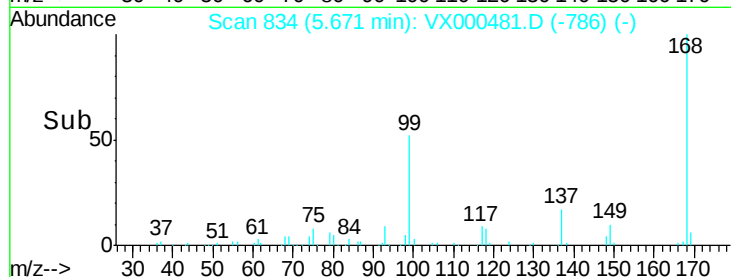
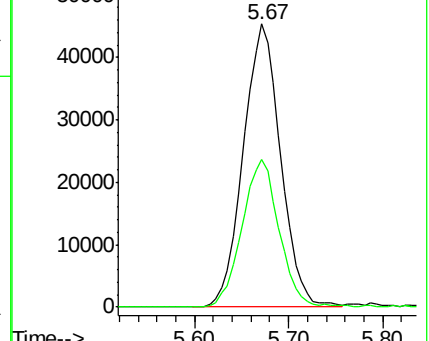
168 100

99 52.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000481.D

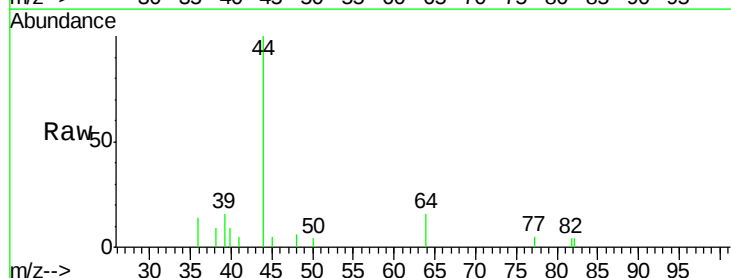
Acq: 28 Mar 2018 11:33

Tgt Ion: 64 Resp: 659

Ion Ratio Lower Upper

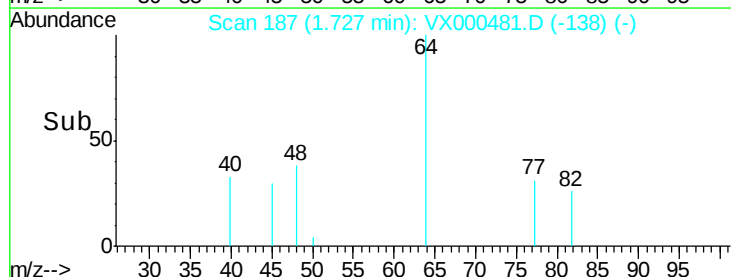
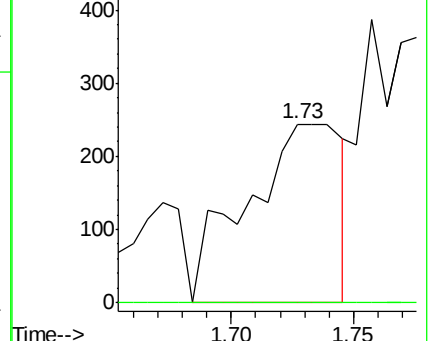
64 100

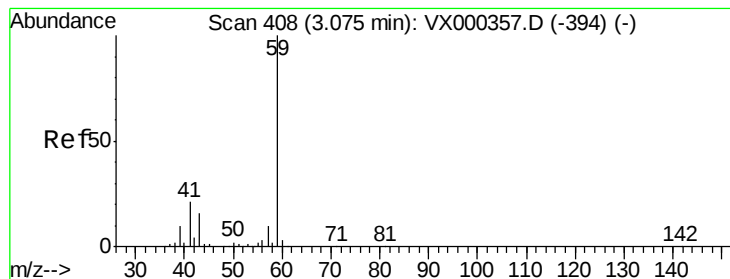
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 0.53 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.06 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

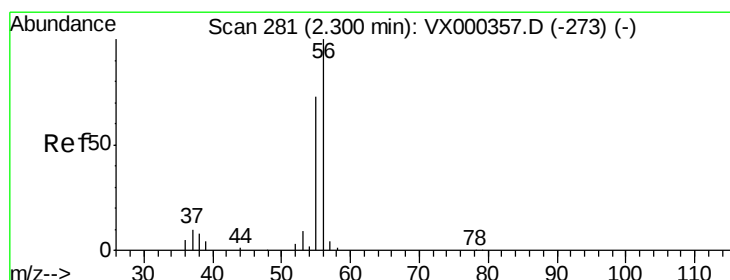
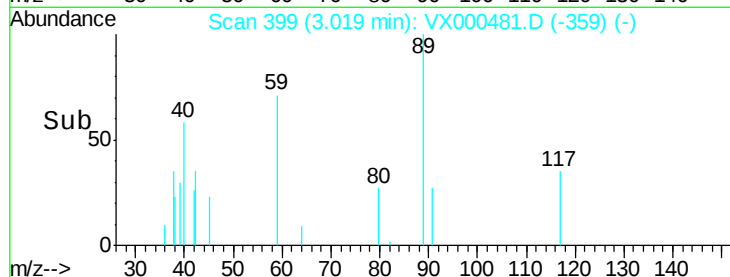
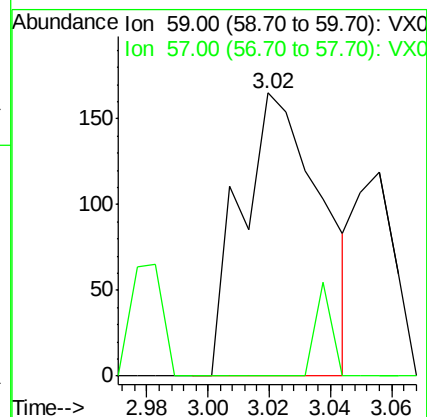
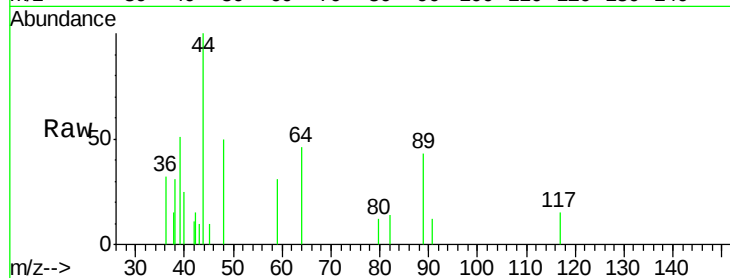
VX0328WBL01

Tgt Ion: 59 Resp: 300

Ion Ratio Lower Upper

59 100

57 6.7 8.4 12.6#



#13

Acrolein

Concen: 14.73 ug/l

RT: 2.42 min Scan# 300

Delta R.T. 0.12 min

Lab File: VX000481.D

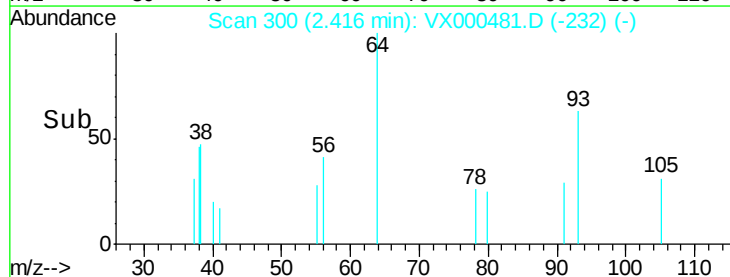
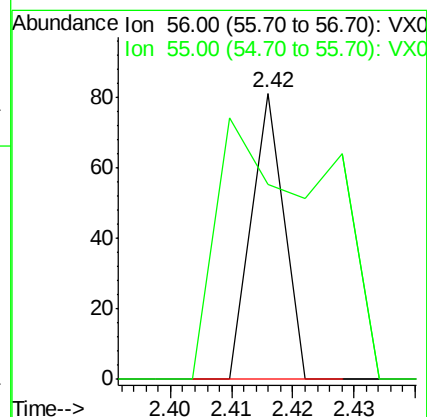
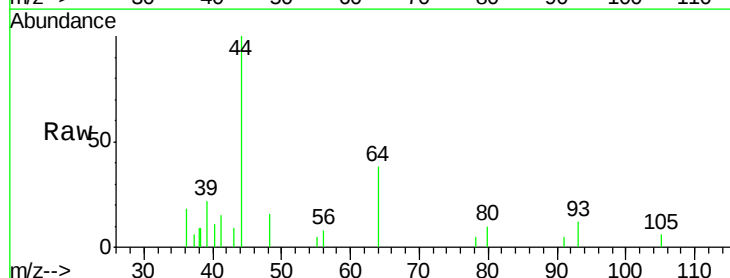
Acq: 28 Mar 2018 11:33

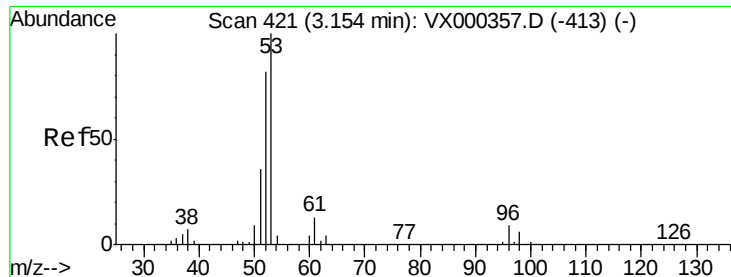
Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 296.7 58.8 88.2#





#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBL01

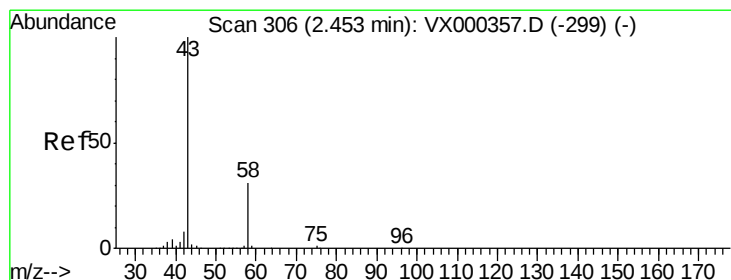
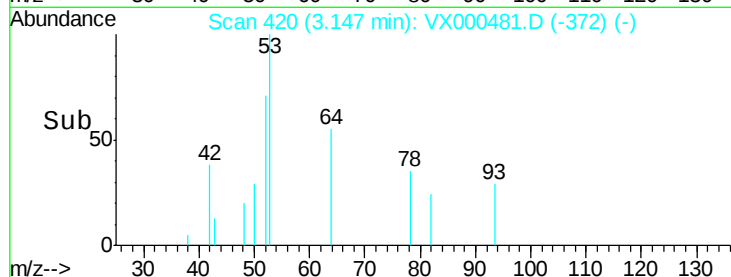
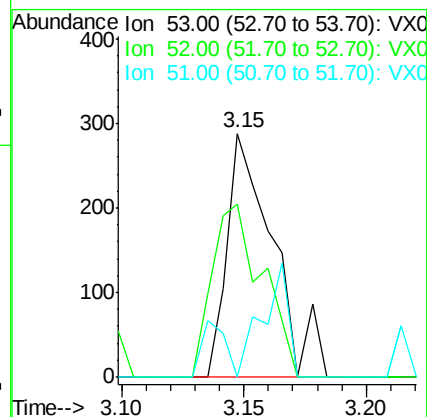
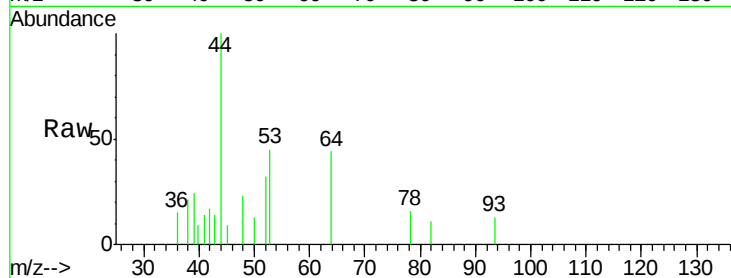
Tgt Ion: 53 Resp: 376

Ion Ratio Lower Upper

53 100

52 78.2 66.6 99.8

51 11.7 29.3 43.9#



#16

Acetone

Concen: 0.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000481.D

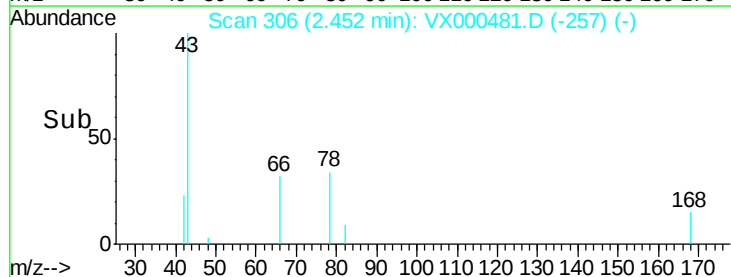
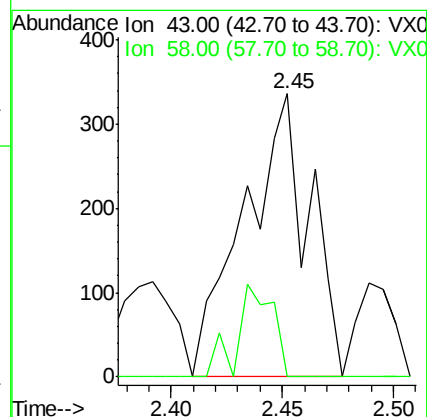
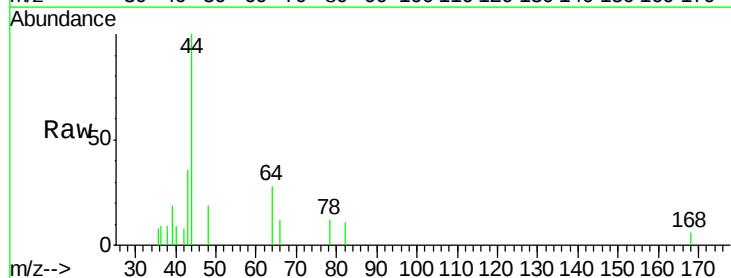
Acq: 28 Mar 2018 11:33

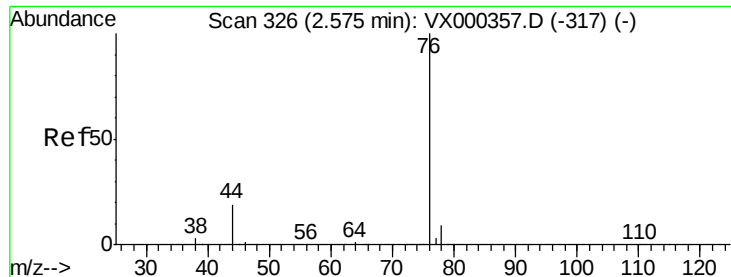
Tgt Ion: 43 Resp: 687

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#





#17

Carbon Disulfide

Concen: 0.37 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

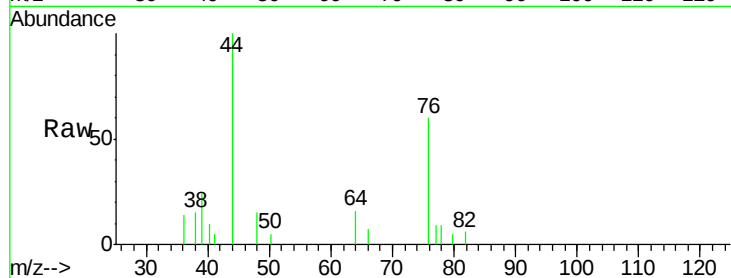
VX0328WBL01

Tgt Ion: 76 Resp: 1278

Ion Ratio Lower Upper

76 100

78 14.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

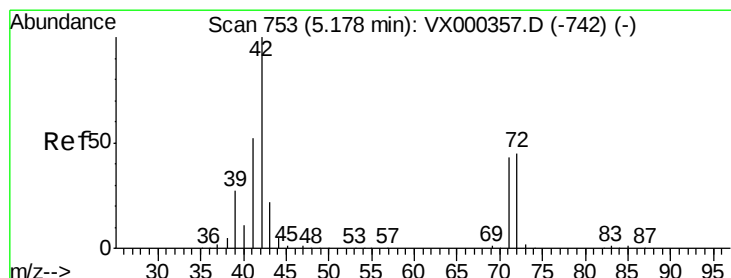
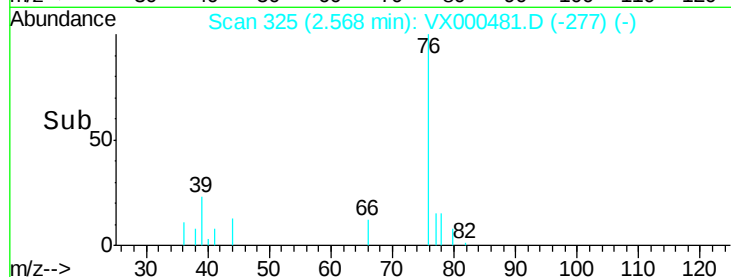
400

200

0

2.55 2.60

Time-->



#29

Tetrahydrofuran

Concen: 0.53 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.02 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

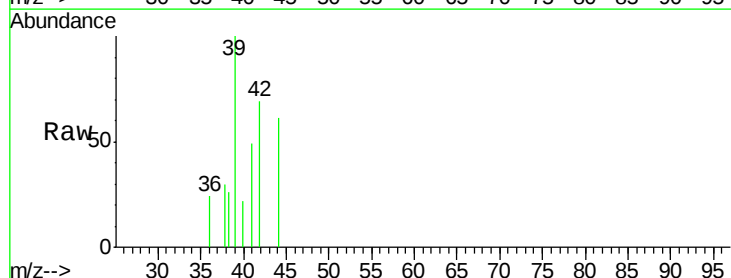
Tgt Ion: 42 Resp: 497

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

71 0.0 34.4 51.6#



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

200

150

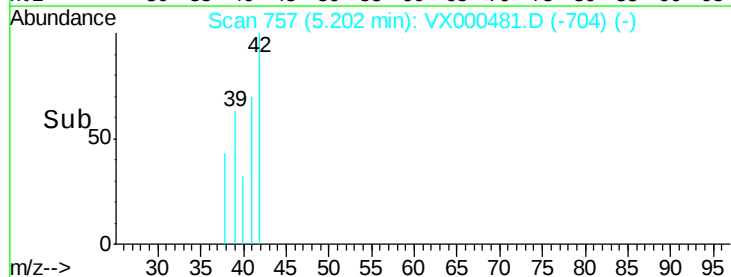
100

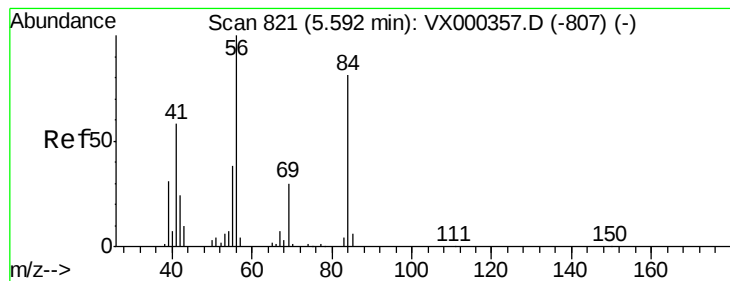
50

0

5.15 5.20 5.25

Time-->





#31

Cyclohexane

Concen: 1.40 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.07 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBL01

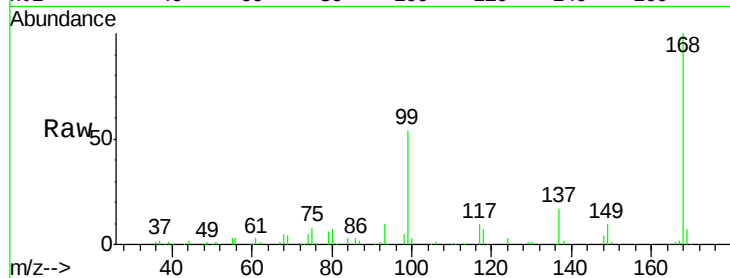
Tgt Ion: 56 Resp: 2906

Ion Ratio Lower Upper

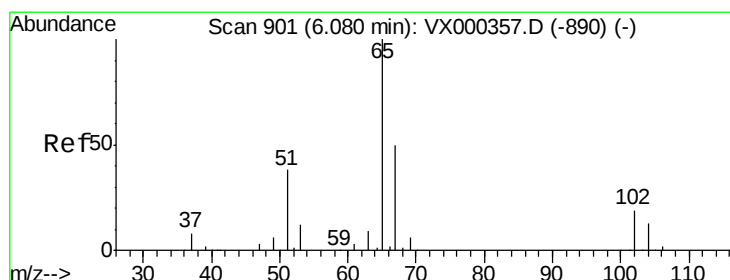
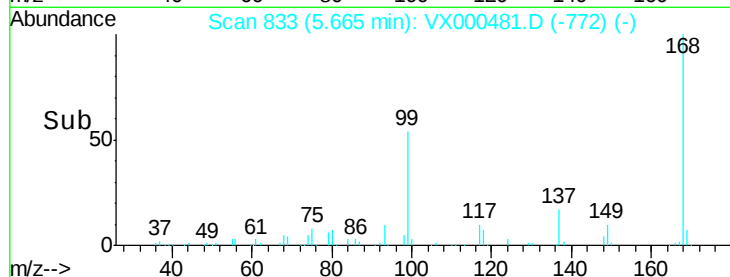
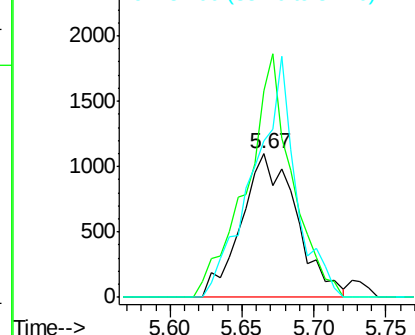
56 100

69 144.1 23.4 35.0#

84 109.0 71.0 106.4#



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: 55.41 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000481.D

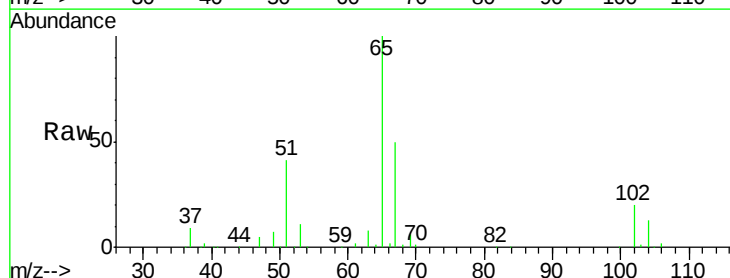
Acq: 28 Mar 2018 11:33

Tgt Ion: 65 Resp: 90950

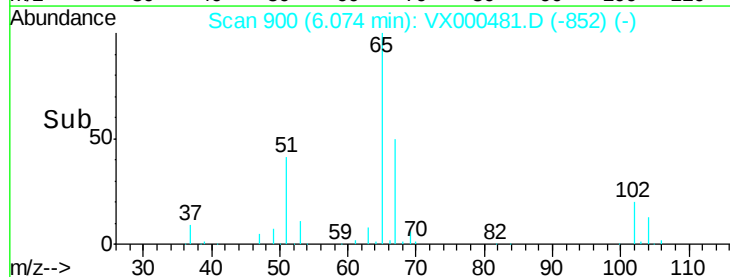
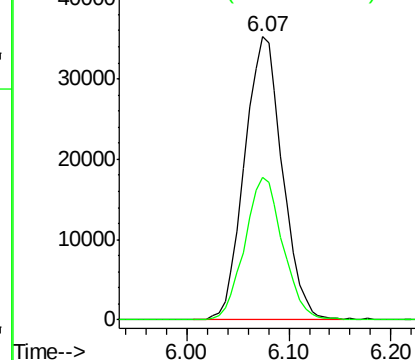
Ion Ratio Lower Upper

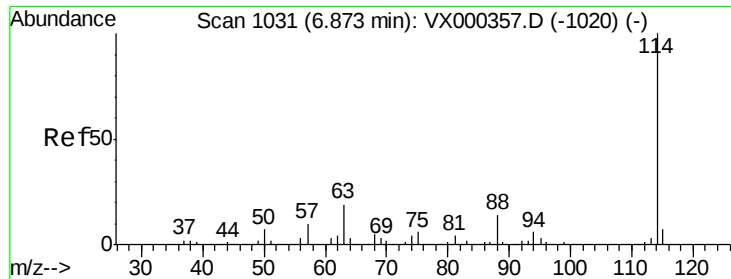
65 100

67 50.6 0.0 103.2



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

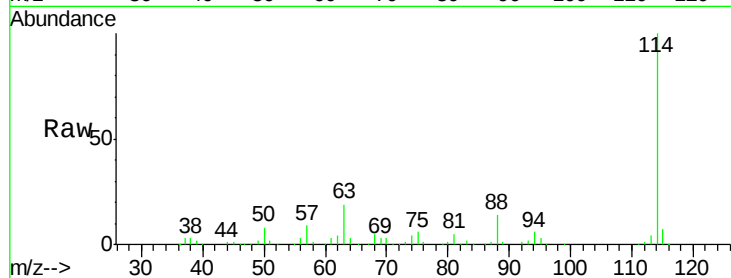




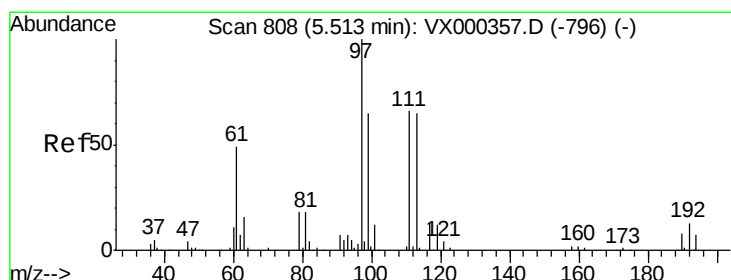
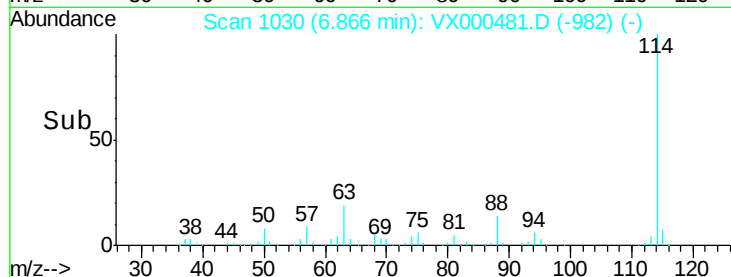
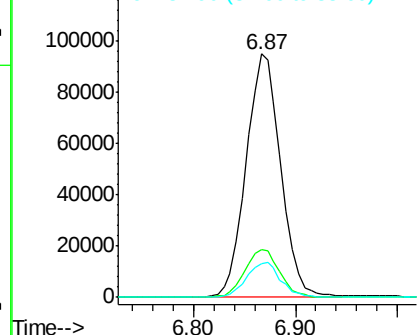
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000481.D
 Acq: 28 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBL01

Tgt Ion:114 Resp: 224281
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 14.0 0.0 27.0

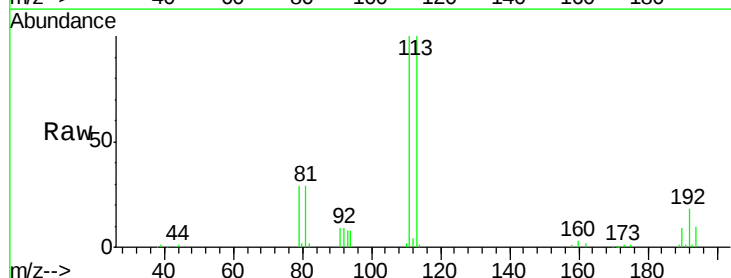


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

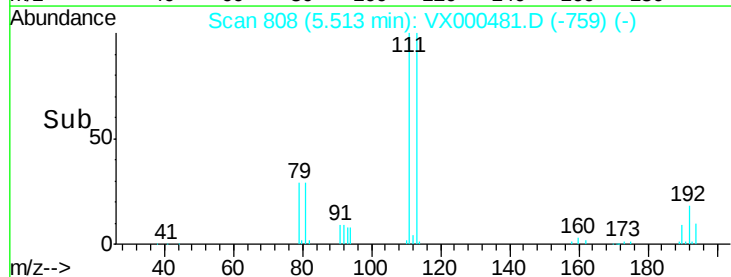
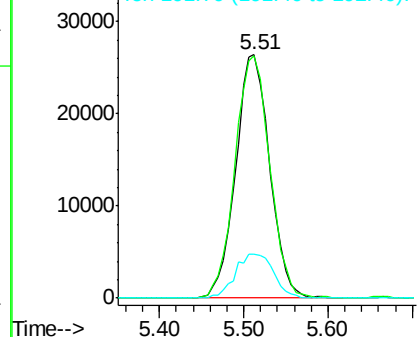


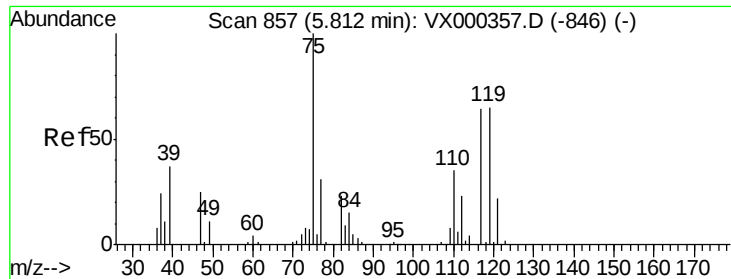
#35
 Dibromofluoromethane
 Concen: 50.95 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000481.D
 Acq: 28 Mar 2018 11:33

Tgt Ion:113 Resp: 71994
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.4 123.6
 192 20.4 15.8 23.6



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

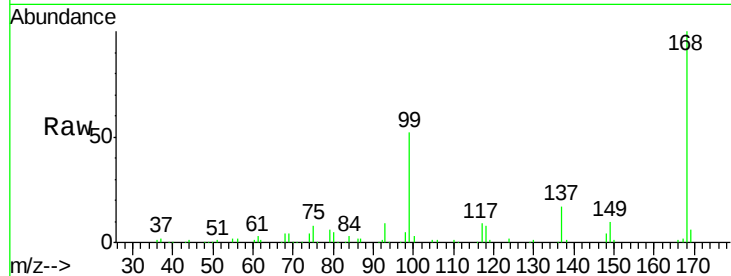




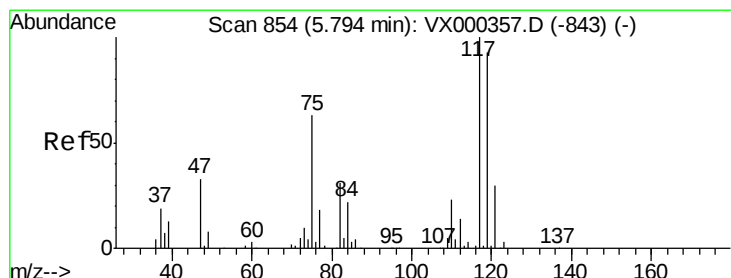
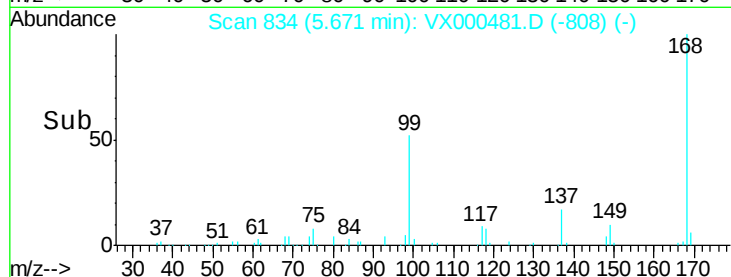
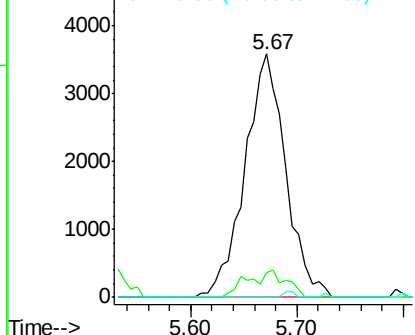
#36
 1,1-Dichloropropene
 Concen: 4.58 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000481.D
 Acq: 28 Mar 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBL01

Tgt Ion: 75 Resp: 9613
 Ion Ratio Lower Upper
 75 100
 110 6.0 17.9 53.7#
 77 0.6 24.0 36.0#

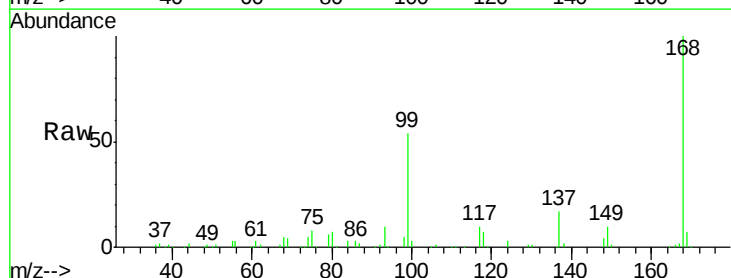


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

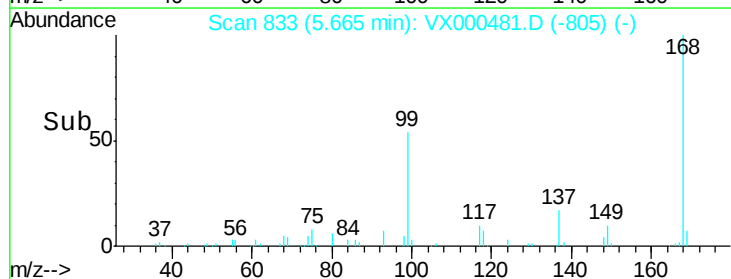
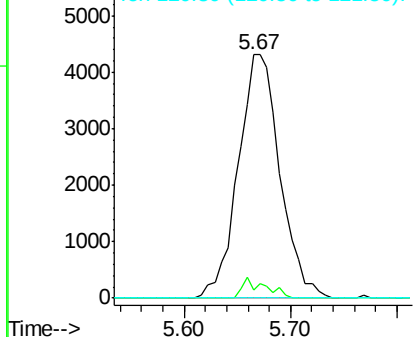


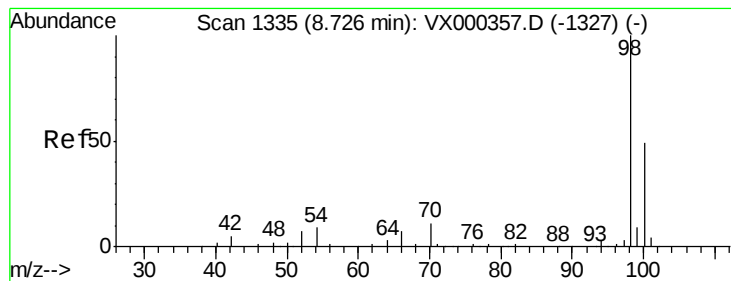
#38
 Carbon Tetrachloride
 Concen: 5.38 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX000481.D
 Acq: 28 Mar 2018 11:33

Tgt Ion: 117 Resp: 11850
 Ion Ratio Lower Upper
 117 100
 119 3.2 77.4 116.2#
 121 0.0 24.8 37.2#



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: 49.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

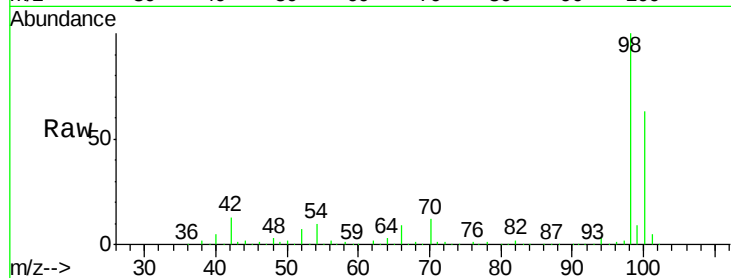
VX0328WBL01

Tgt Ion: 98 Resp: 291751

Ion Ratio Lower Upper

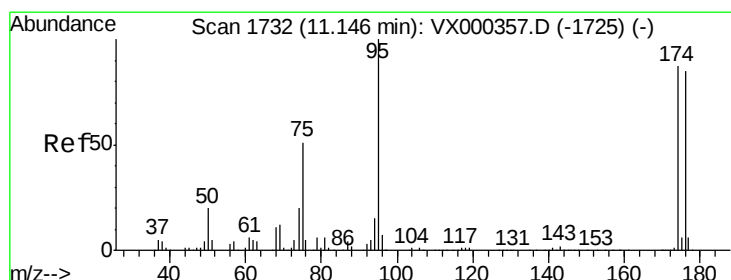
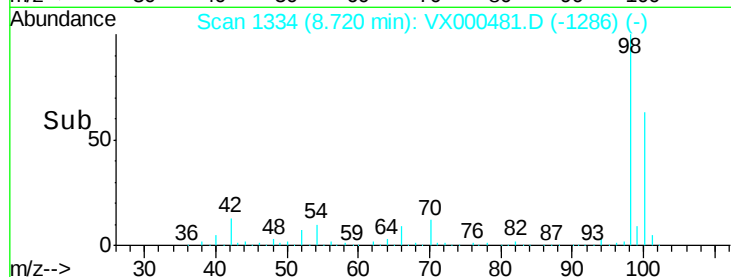
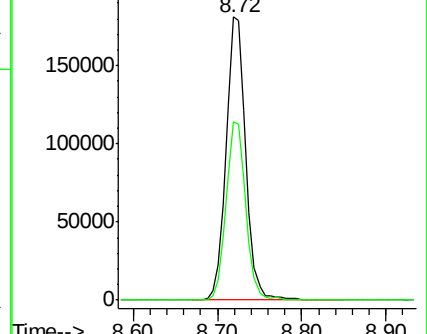
98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 41.72 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

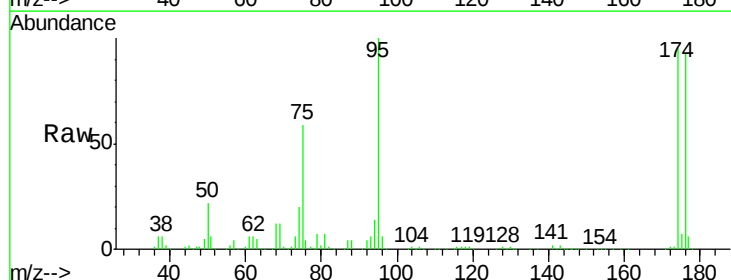
Tgt Ion: 95 Resp: 100296

Ion Ratio Lower Upper

95 100

174 92.4 0.0 173.6

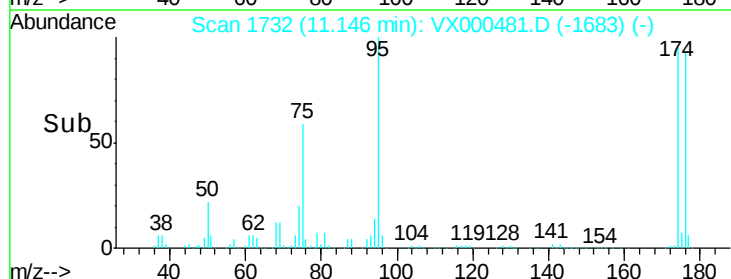
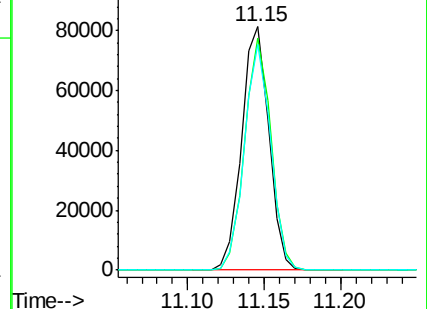
176 89.9 0.0 164.6

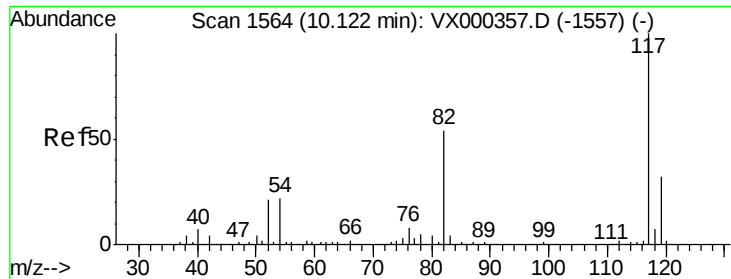


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

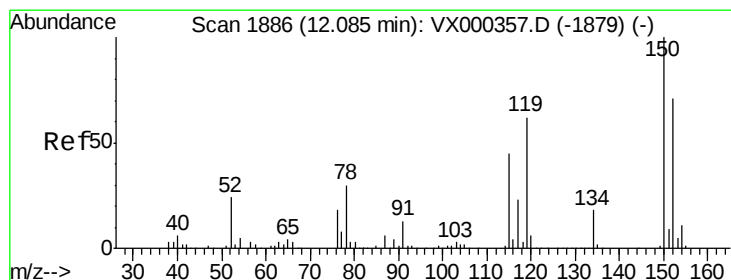
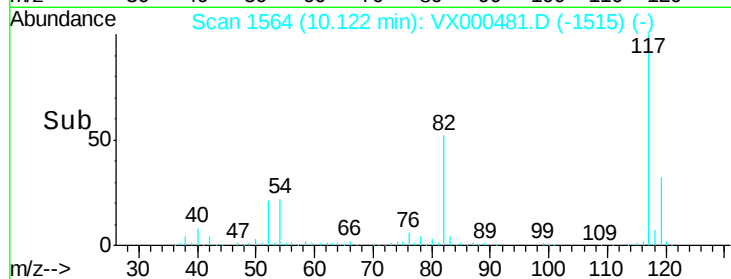
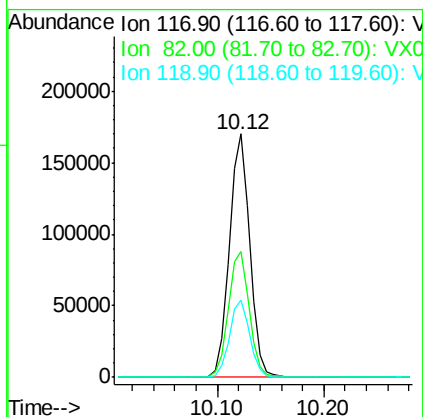
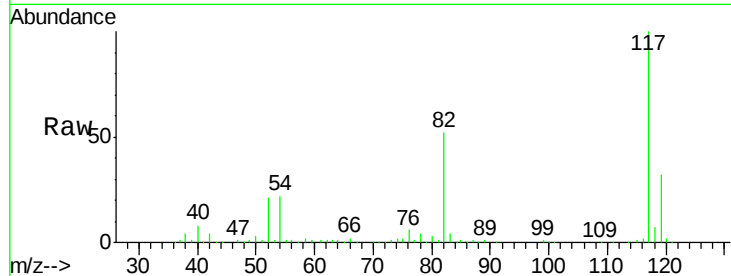




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000481.D
Acq: 28 Mar 2018 11:33

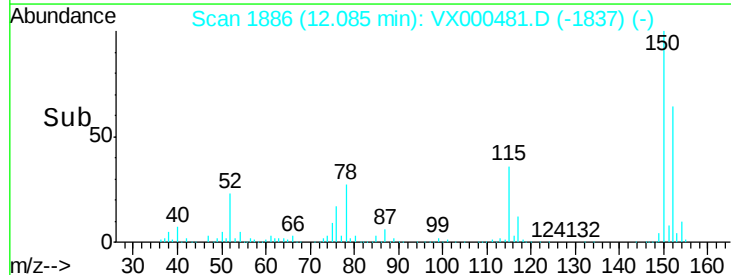
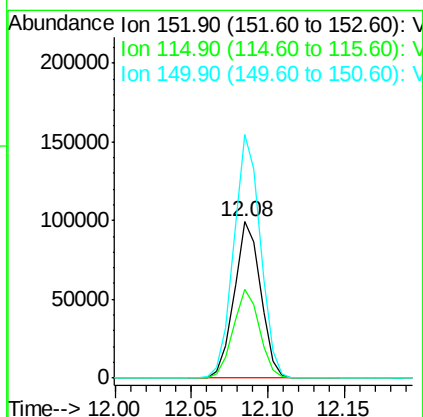
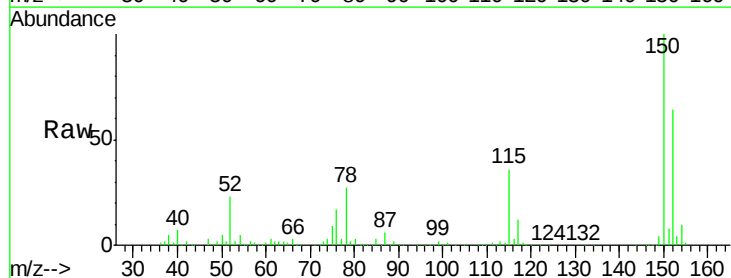
Instrument :
MSVOA_X
ClientSampled :
VX0328WBL01

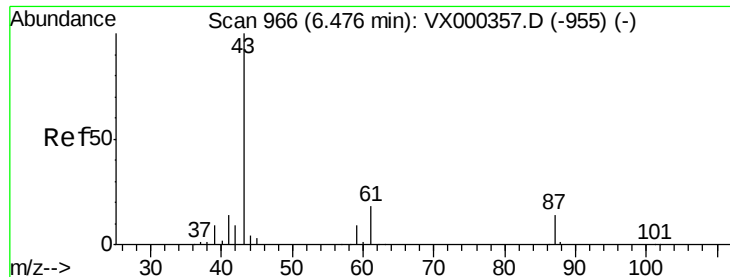
Tgt Ion:117 Resp: 229203
Ion Ratio Lower Upper
117 100
82 51.8 43.8 65.8
119 31.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000481.D
Acq: 28 Mar 2018 11:33

Tgt Ion:152 Resp: 118937
Ion Ratio Lower Upper
152 100
115 56.3 39.8 119.3
150 156.6 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBL01

Tgt Ion: 43 Resp: 52

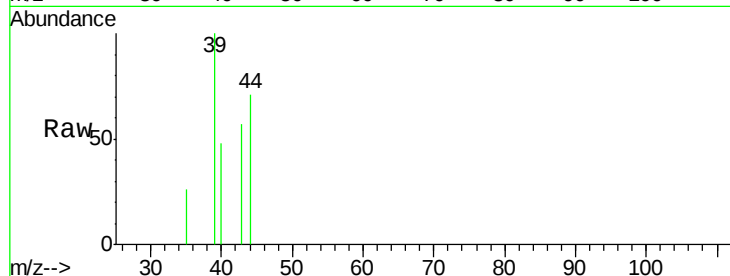
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

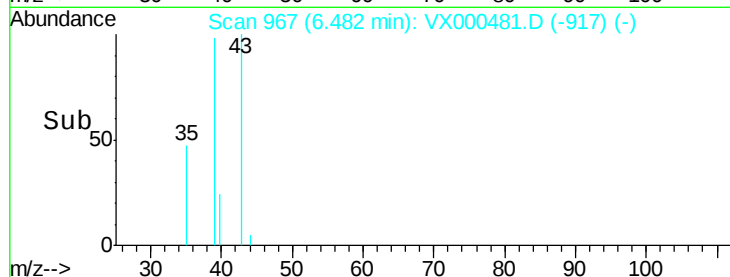
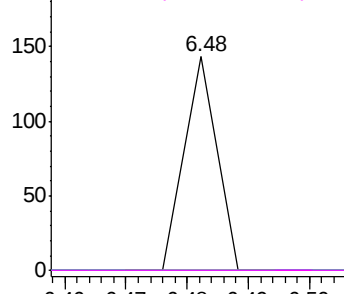


Abundance Ion 43.00 (42.70 to 43.70): VX0

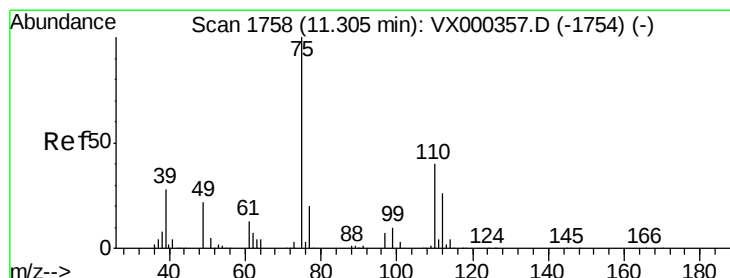
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.93 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000481.D

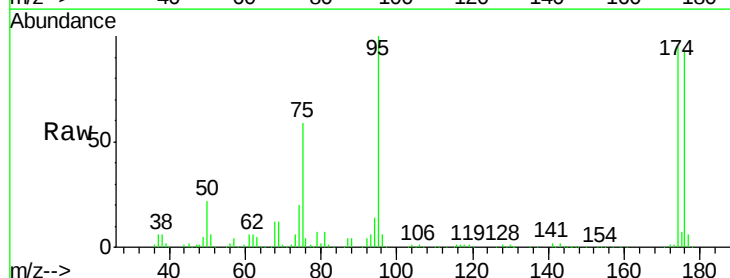
Acq: 28 Mar 2018 11:33

Tgt Ion: 75 Resp: 58612

Ion Ratio Lower Upper

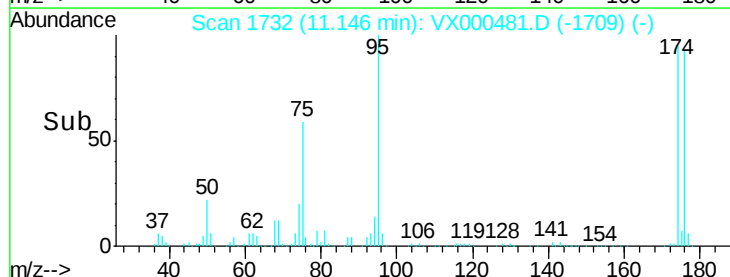
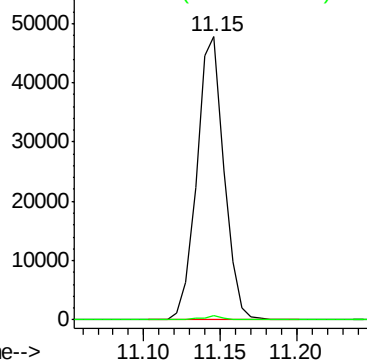
75 100

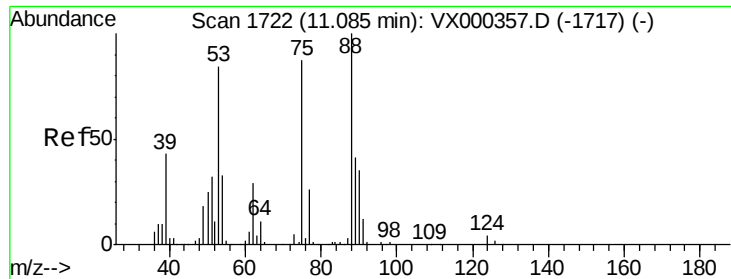
77 1.1 21.4 64.2#



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: 74.24 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000481.D

Acq: 28 Mar 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBL01

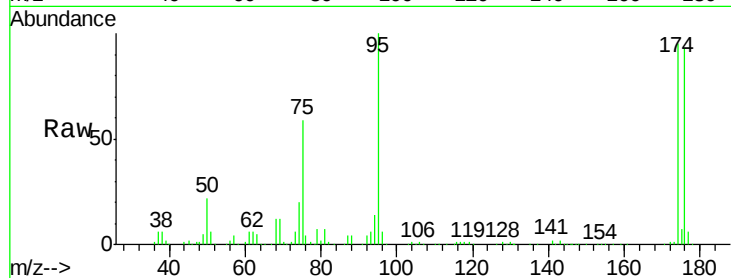
Tgt Ion: 75 Resp: 58612

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



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

