

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
 Data File : VX000470.D
 Acq On : 27 Mar 2018 20:20
 Operator : JC/MD
 Sample : J1749-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-03-032618

Quant Time: Mar 28 06:55:12 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	5.68	168	100583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	185770	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	180766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93009	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	76035	57.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.82%	
35) Dibromofluoromethane	5.52	113	60403	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	8.73	98	232158	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.15	95	77528	39.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.70%	

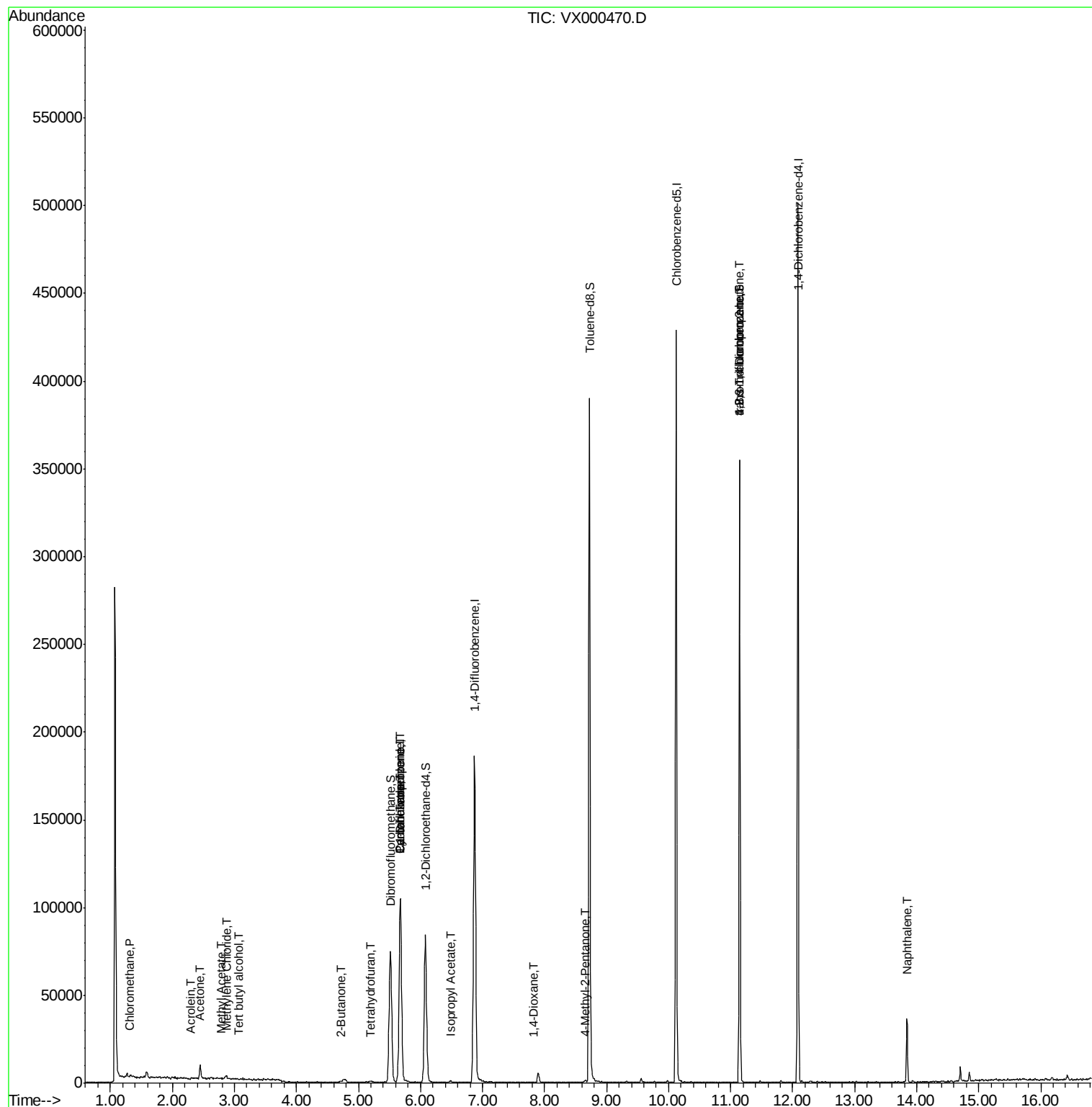
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	543	0.46	ug/l #	82
6) Chloroethane	1.77	64	542	Below Cal	#	44
11) Tert butyl alcohol	3.07	59	202	0.45	ug/l #	72
13) Acrolein	2.29	56	53	14.92	ug/l #	1
16) Acetone	2.45	43	7586	6.95	ug/l	97
18) Methyl Acetate	2.78	43	602	0.26	ug/l #	67
20) Methylene Chloride	2.87	84	860	0.68	ug/l	89
25) 2-Butanone	4.71	43	1500	1.22	ug/l #	84
29) Tetrahydrofuran	5.20	42	698	0.92	ug/l #	40
31) Cyclohexane	5.67	56	2438	1.47	ug/l #	55
36) 1,1-Dichloropropene	5.68	75	8160	4.69	ug/l #	52
38) Carbon Tetrachloride	5.68	117	9989	5.47	ug/l #	17
43) Isopropyl Acetate	6.49	43	1038	0.29	ug/l	97
49) 1,4-Dioxane	7.83	88	22	0.61	ug/l #	26
51) 4-Methyl-2-Pentanone	8.66	43	949	0.35	ug/l	95
74) N-amyl acetate	6.49	43	1038	Below Cal	#	97
76) 1,2,3-Trichloropropane	11.15	75	45923	22.97	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	45923	74.38	ug/l #	9
95) Naphthalene	13.84	128	21556	2.84	ug/l	99

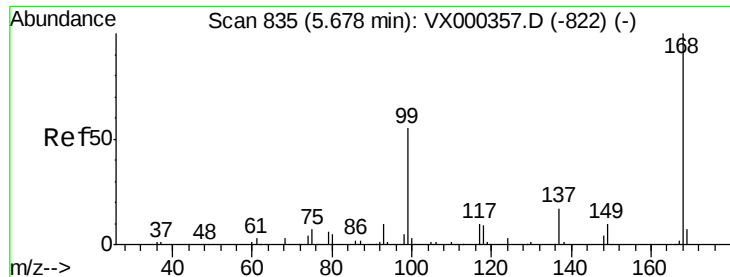
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
Data File : VX000470.D
Acq On : 27 Mar 2018 20:20
Operator : JC/MD
Sample : J1749-06 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BU-03-032618

Quant Time: Mar 28 06:55:12 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

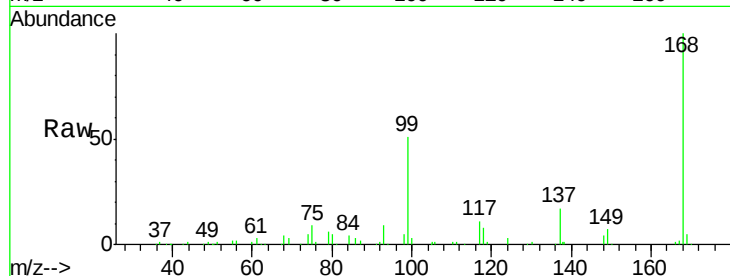
BU-03-032618

Tgt Ion:168 Resp: 100583

Ion Ratio Lower Upper

168 100

99 51.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

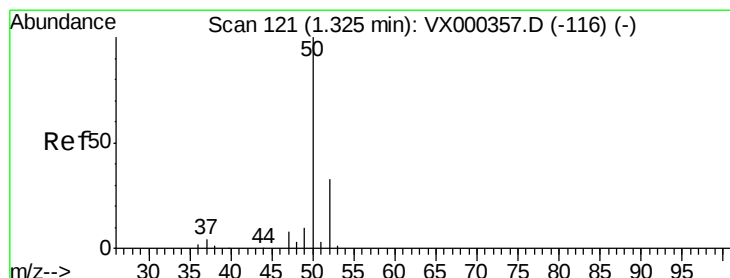
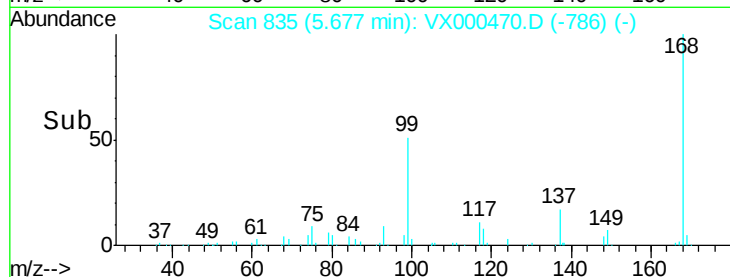
20000

10000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.46 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX000470.D

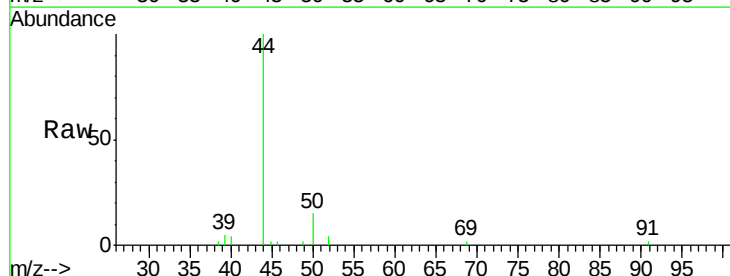
Acq: 27 Mar 2018 20:20

Tgt Ion: 50 Resp: 543

Ion Ratio Lower Upper

50 100

52 23.9 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

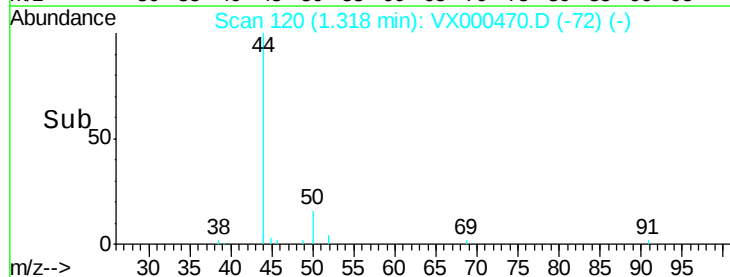
200

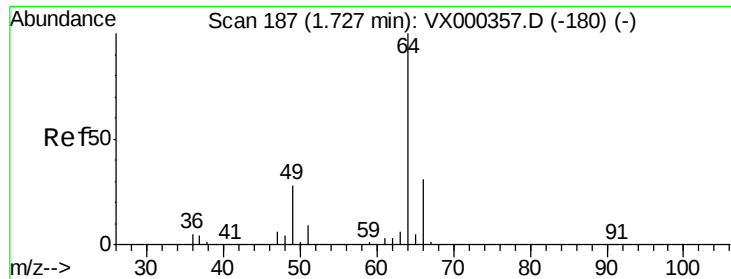
100

0

1.30 1.32 1.34 1.36

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.77 min Scan# 194

Delta R.T. 0.04 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

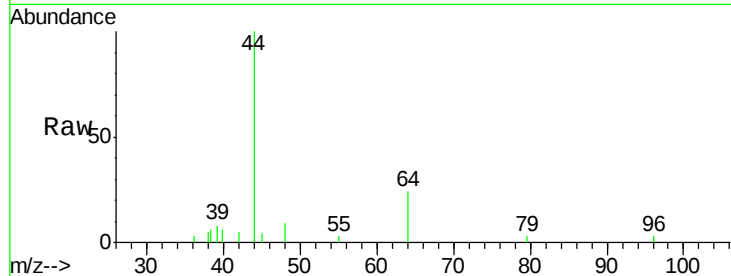
BU-03-032618

Tgt Ion: 64 Resp: 542

Ion Ratio Lower Upper

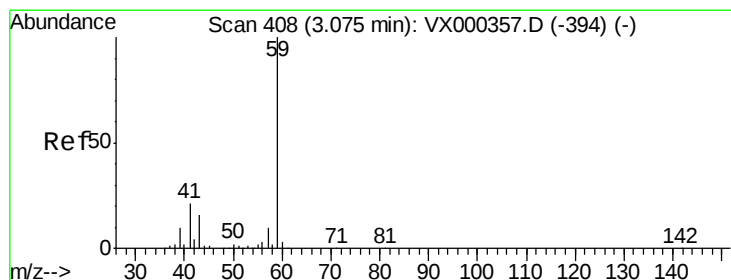
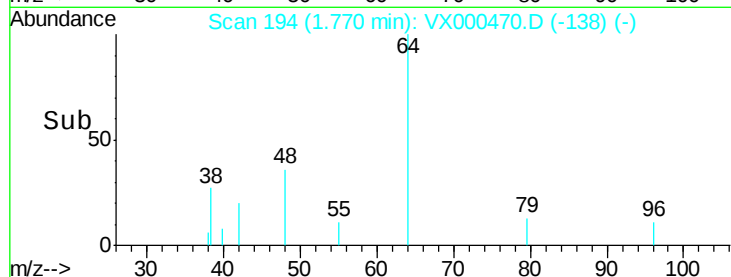
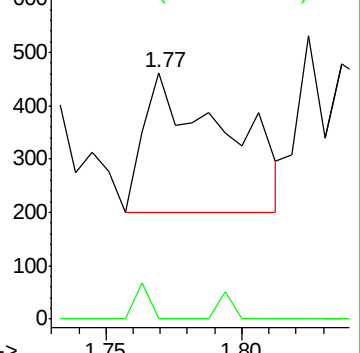
64 100

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: 0.45 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000470.D

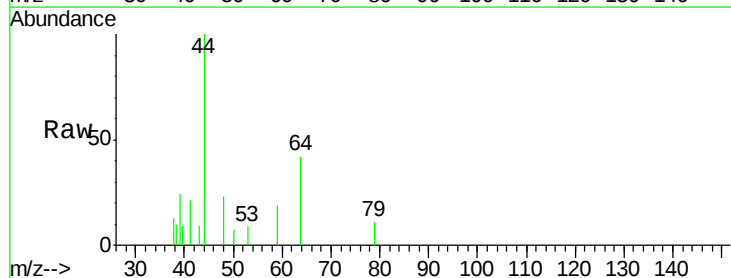
Acq: 27 Mar 2018 20:20

Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

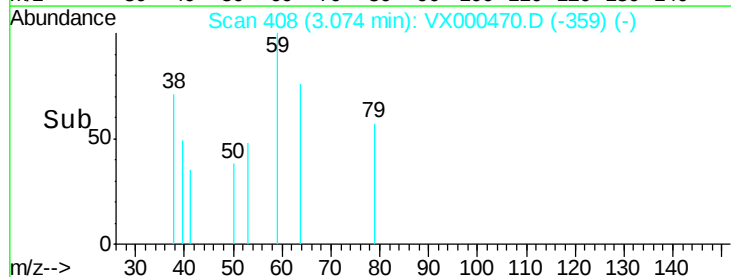
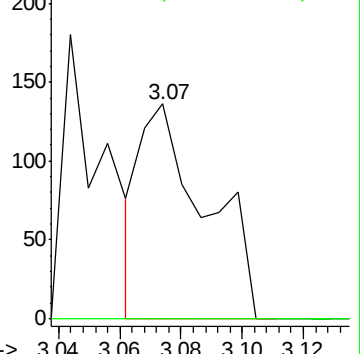
59 100

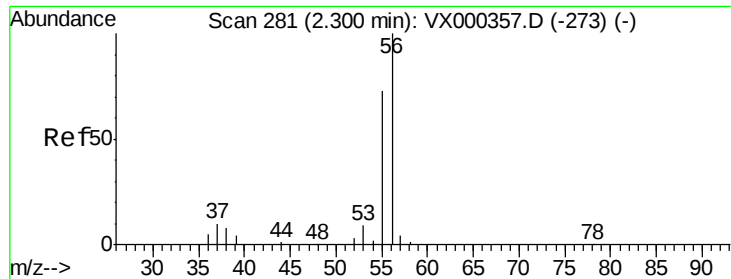
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.92 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

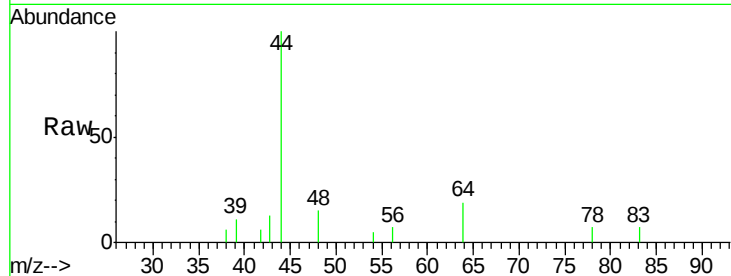
BU-03-032618

Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

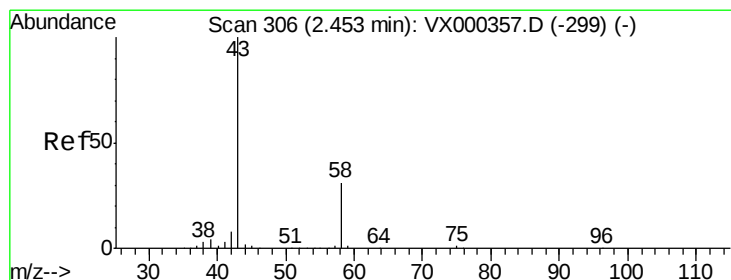
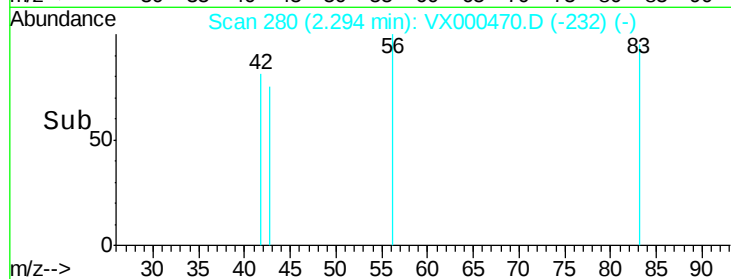
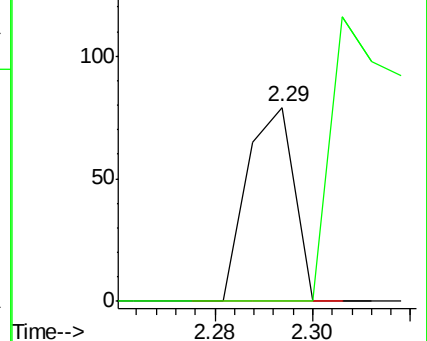
56 100

55 252.8 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 6.95 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000470.D

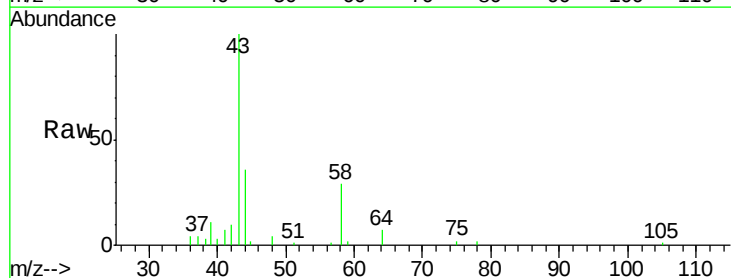
Acq: 27 Mar 2018 20:20

Tgt Ion: 43 Resp: 7586

Ion Ratio Lower Upper

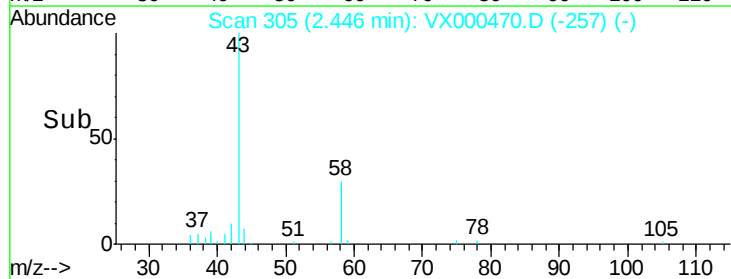
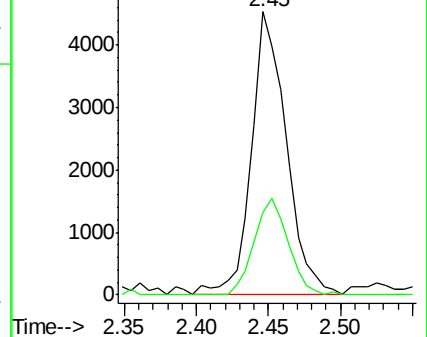
43 100

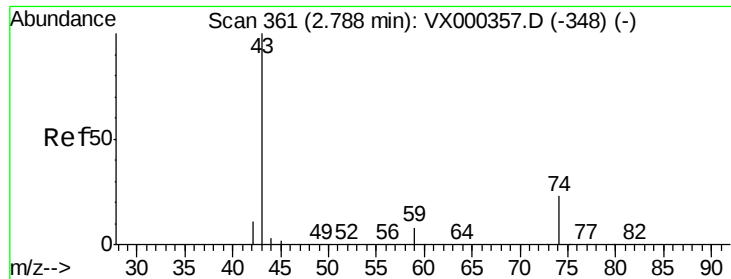
58 29.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

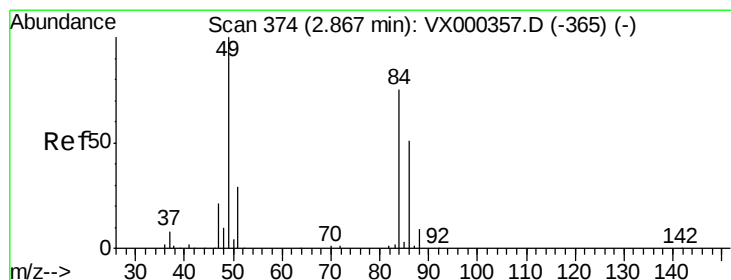
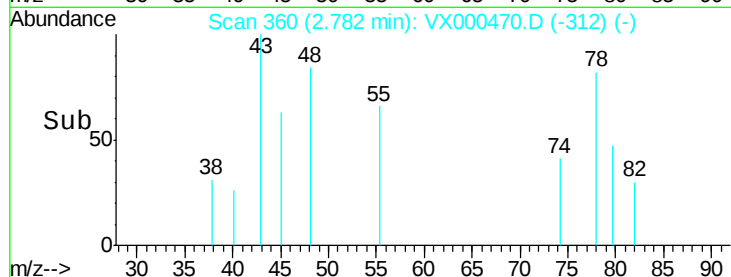
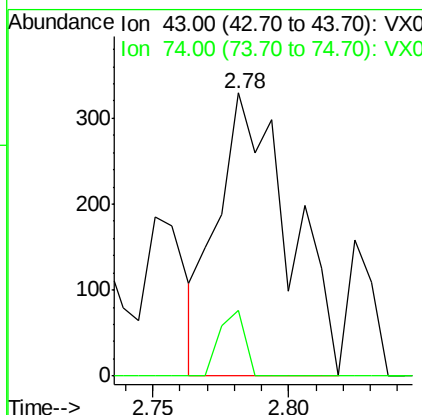
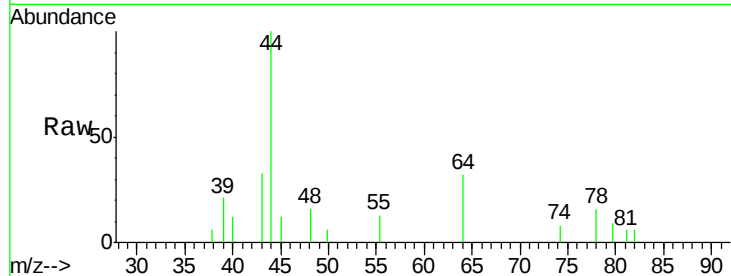




#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000470.D
Acq: 27 Mar 2018 20:20

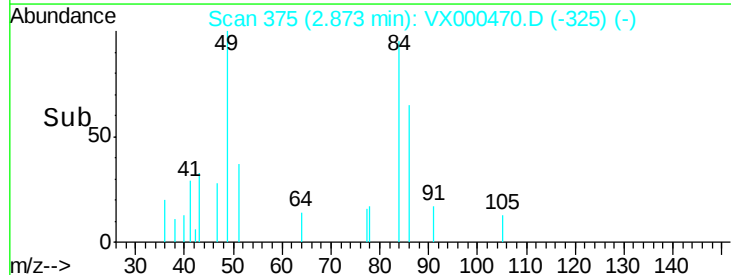
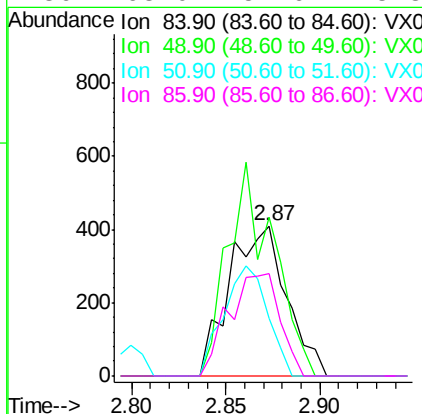
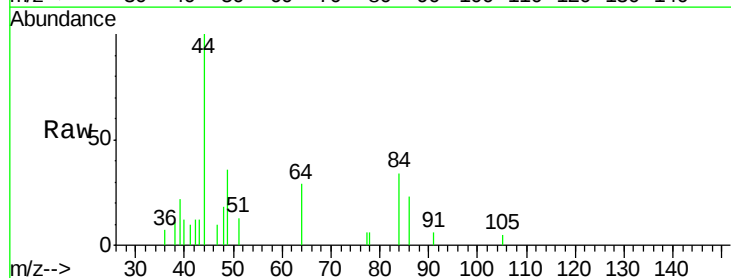
Instrument :
MSVOA_X
ClientSampleId :
BU-03-032618

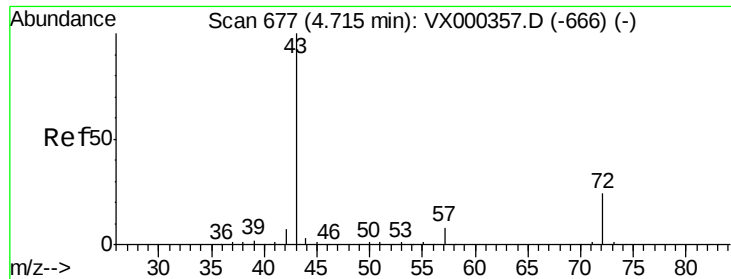
Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
74 8.1 19.4 29.2#



#20
Methylene Chloride
Concen: 0.68 ug/l
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX000470.D
Acq: 27 Mar 2018 20:20

Tgt Ion: 84 Resp: 860
Ion Ratio Lower Upper
84 100
49 105.4 100.6 151.0
51 38.5 31.6 47.4
86 68.0 52.6 78.8





#25

2-Butanone

Concen: 1.22 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

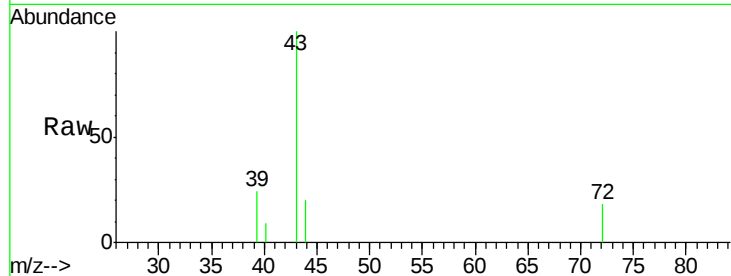
BU-03-032618

Tgt Ion: 43 Resp: 1500

Ion Ratio Lower Upper

43 100

72 18.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

600

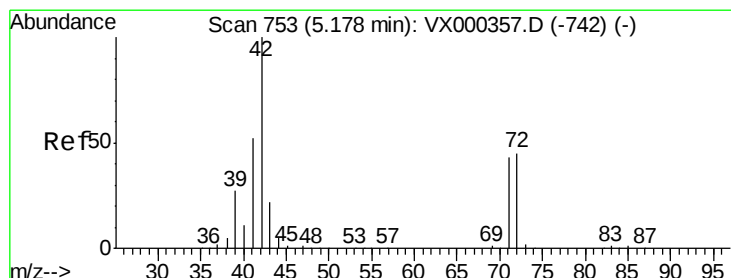
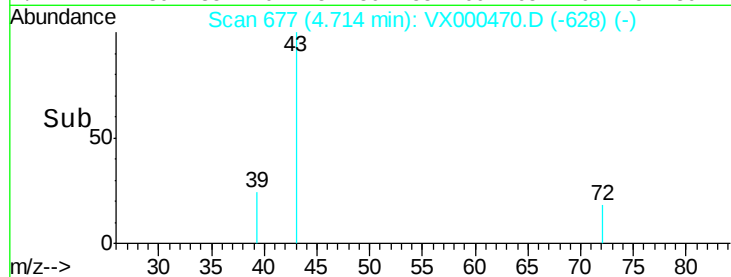
400

200

0

4.65 4.70 4.75 4.80

Time-->



#29

Tetrahydrofuran

Concen: 0.92 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.02 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

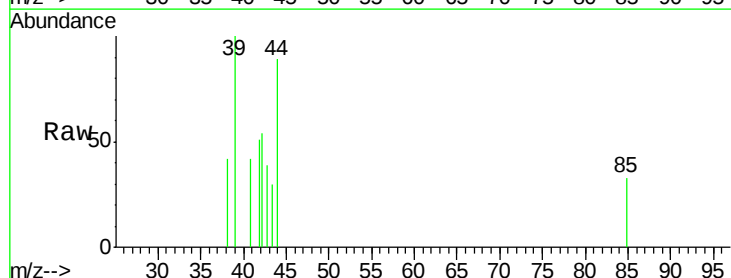
Tgt Ion: 42 Resp: 698

Ion Ratio Lower Upper

42 100

72 11.0 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

5.20

300

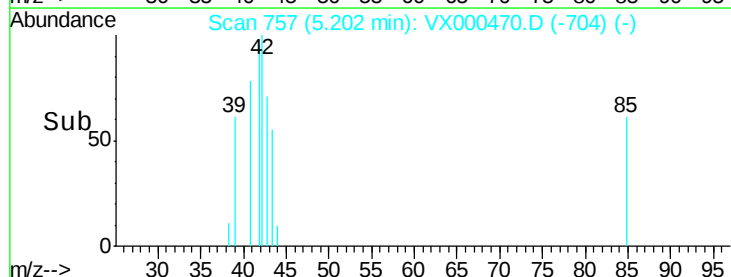
200

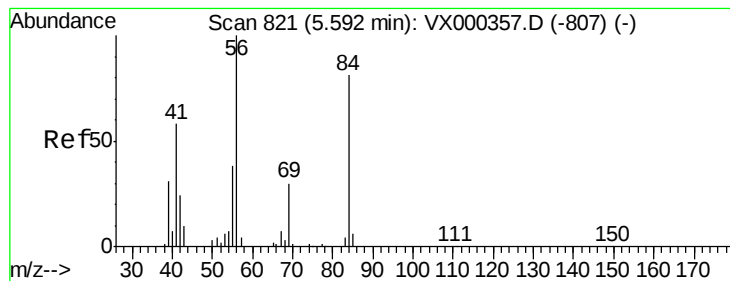
100

0

5.10 5.15 5.20 5.25

Time-->





#31

Cyclohexane

Concen: 1.47 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618

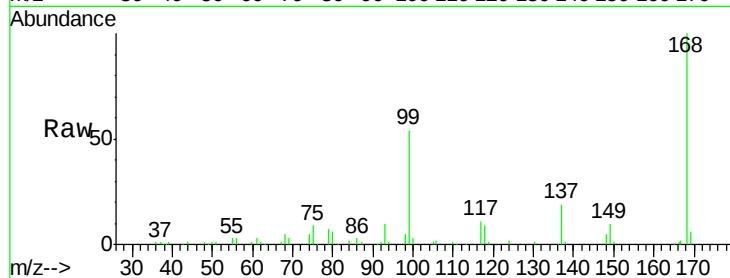
Tgt Ion: 56 Resp: 2438

Ion Ratio Lower Upper

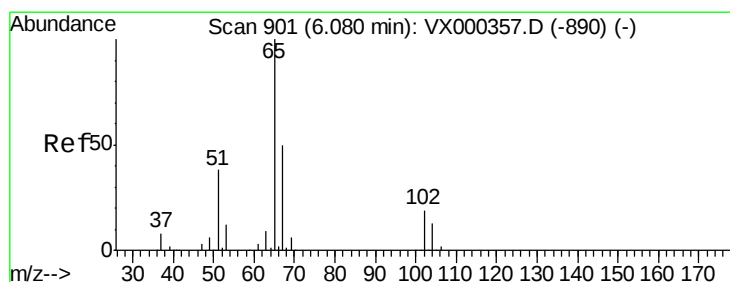
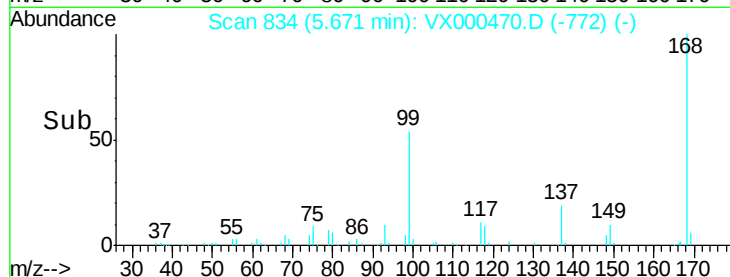
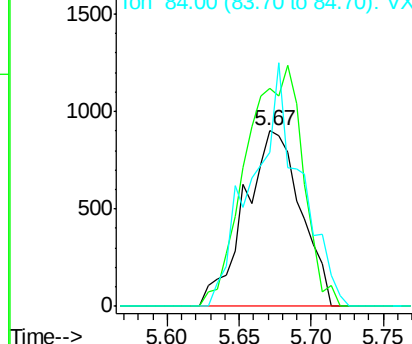
56 100

69 124.2 23.4 35.0#

84 87.5 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: 57.91 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000470.D

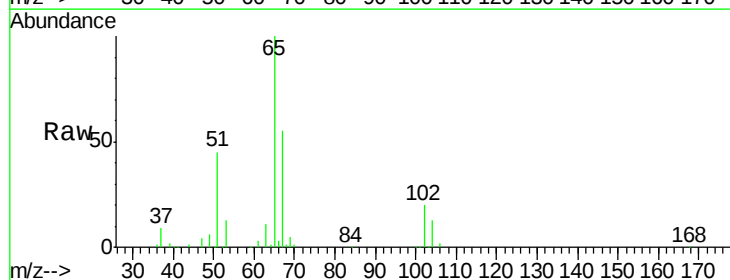
Acq: 27 Mar 2018 20:20

Tgt Ion: 65 Resp: 76035

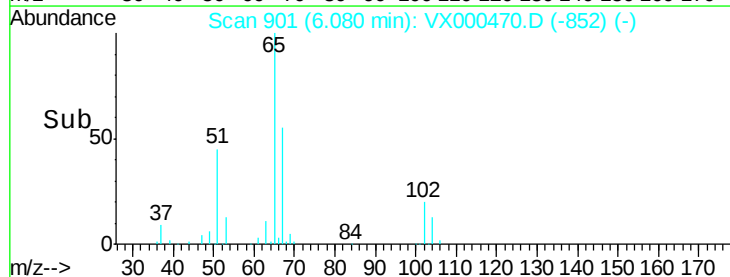
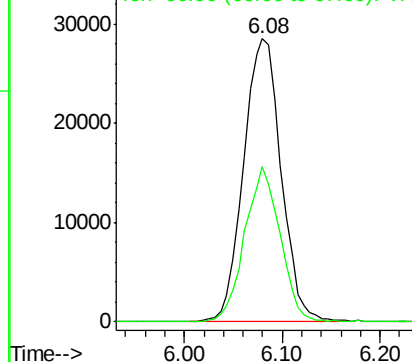
Ion Ratio Lower Upper

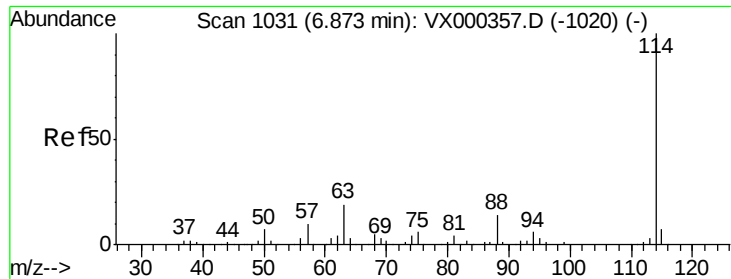
65 100

67 51.7 0.0 103.2



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

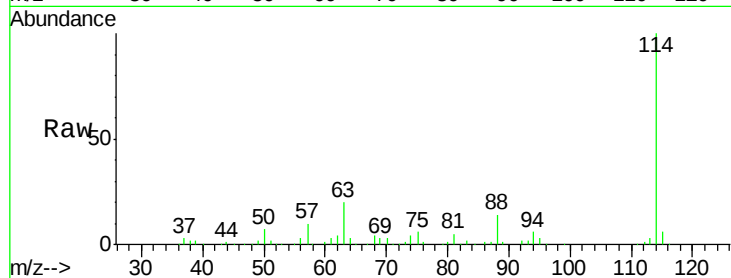




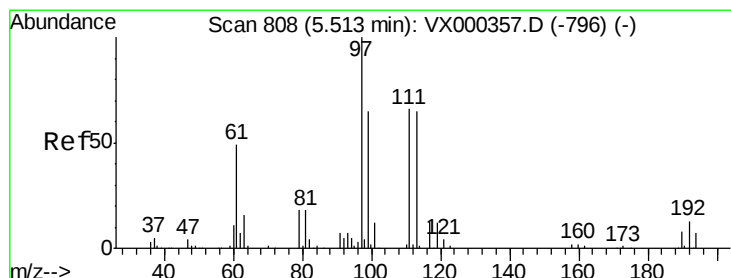
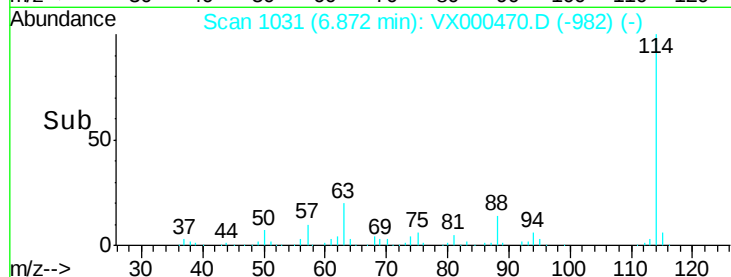
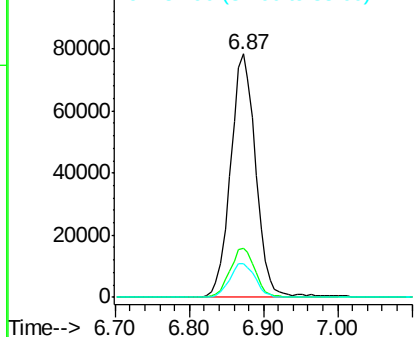
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000470.D
 Acq: 27 Mar 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-03-032618

Tgt Ion:114 Resp: 185770
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.4
 88 13.7 0.0 27.0

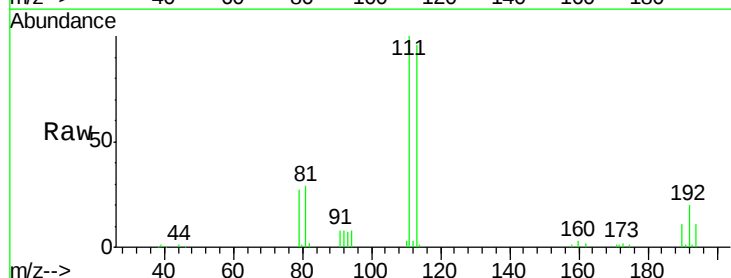


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

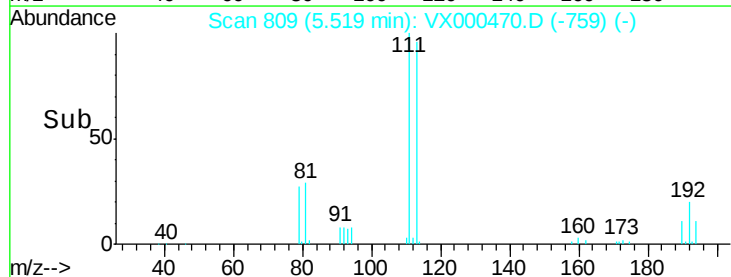
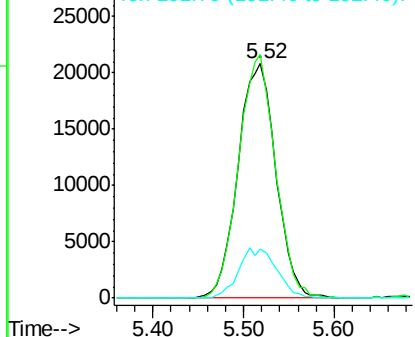


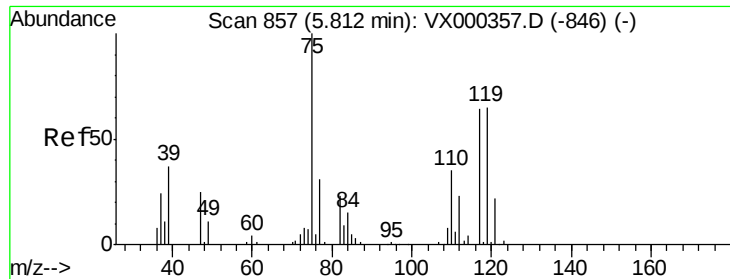
#35
 Dibromofluoromethane
 Concen: 51.60 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000470.D
 Acq: 27 Mar 2018 20:20

Tgt Ion:113 Resp: 60403
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.4 123.6
 192 21.3 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: 4.69 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618

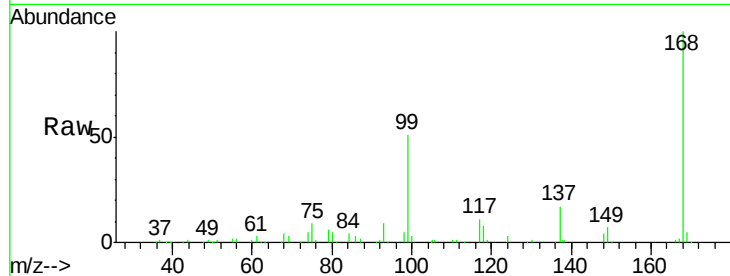
Tgt Ion: 75 Resp: 8160

Ion Ratio Lower Upper

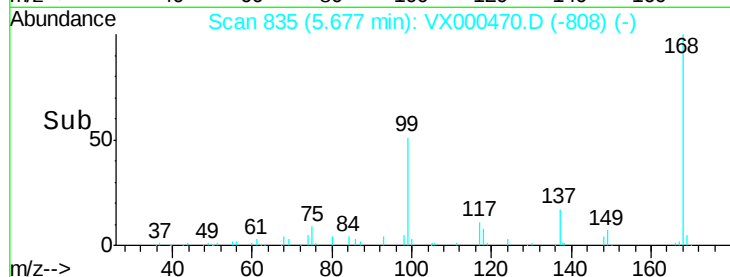
75 100

110 11.5 17.9 53.7#

77 0.0 24.0 36.0#



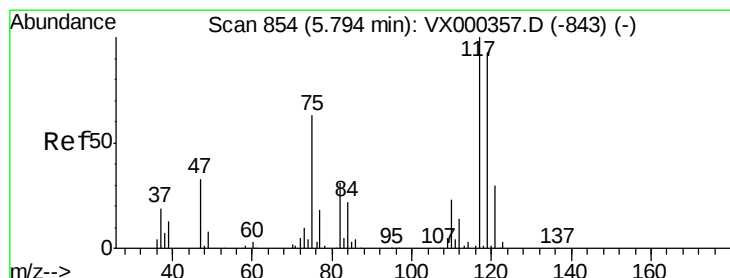
Abundance Ion 74.90 (74.60 to 75.60): VX000470.D (-808) (-)



Ion 109.90 (109.60 to 110.60): VX000470.D (-808) (-)

Ion 76.90 (76.60 to 77.60): VX000470.D (-808) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.47 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

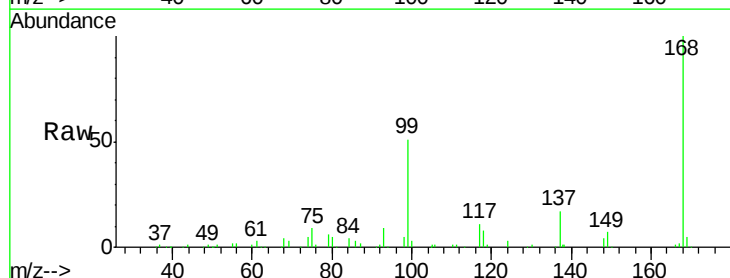
Tgt Ion: 117 Resp: 9989

Ion Ratio Lower Upper

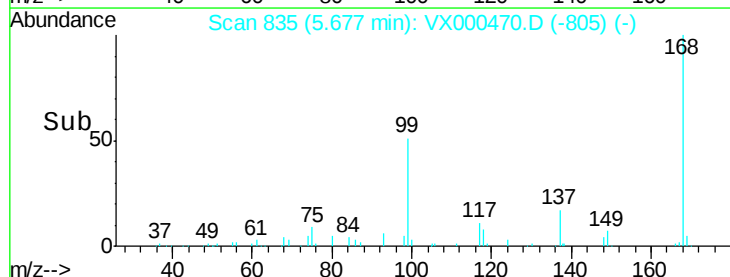
117 100

119 6.8 77.4 116.2#

121 0.0 24.8 37.2#



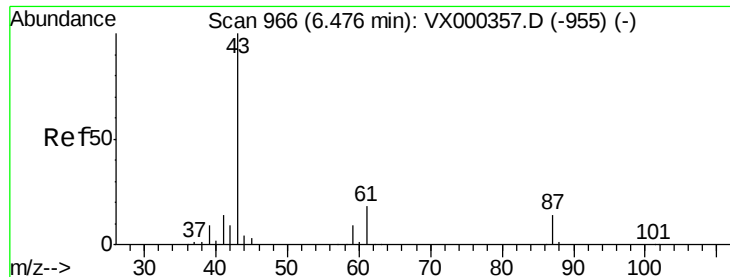
Abundance Ion 116.80 (116.50 to 117.50): VX000470.D (-805) (-)



Ion 118.80 (118.50 to 119.50): VX000470.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX000470.D (-805) (-)

Time-->



#43

Isopropyl Acetate

Concen: 0.29 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618

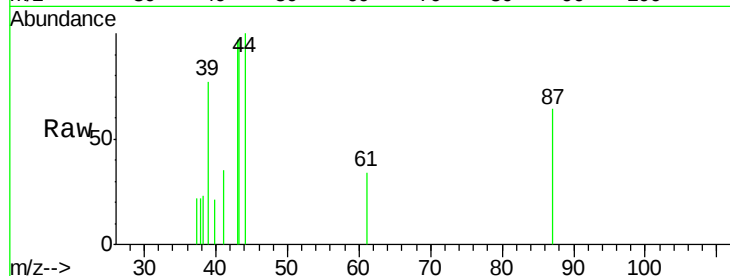
Tgt Ion: 43 Resp: 1038

Ion Ratio Lower Upper

43 100

61 19.5 14.4 21.6

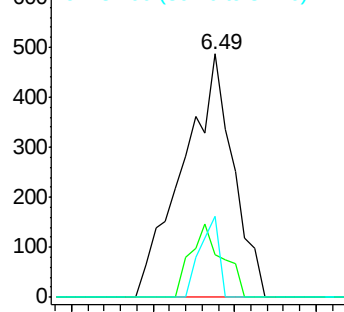
87 12.6 11.0 16.4



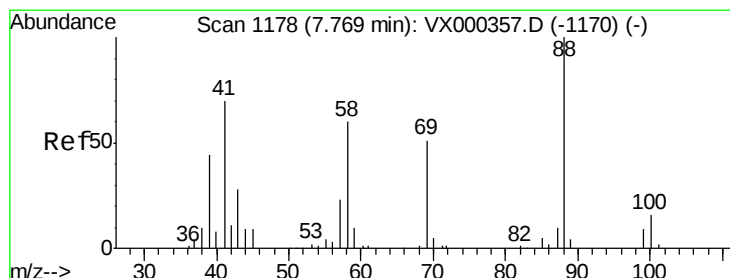
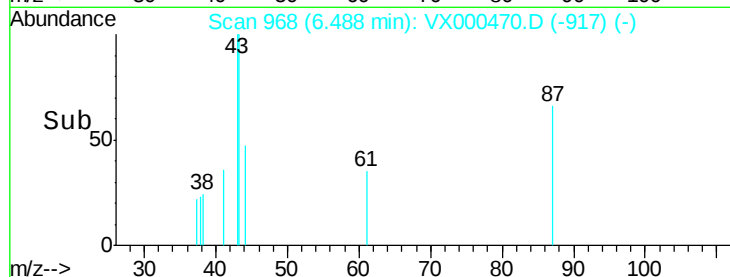
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#49

1,4-Dioxane

Concen: 0.61 ug/l

RT: 7.83 min Scan# 1188

Delta R.T. 0.06 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

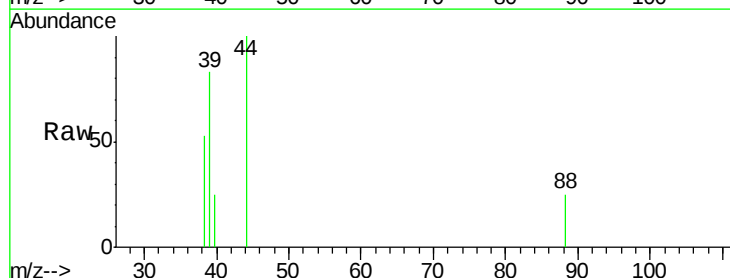
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 26.8 40.2#

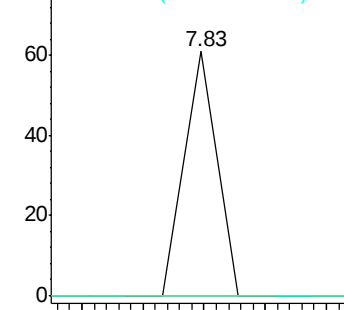
58 0.0 52.2 78.2#



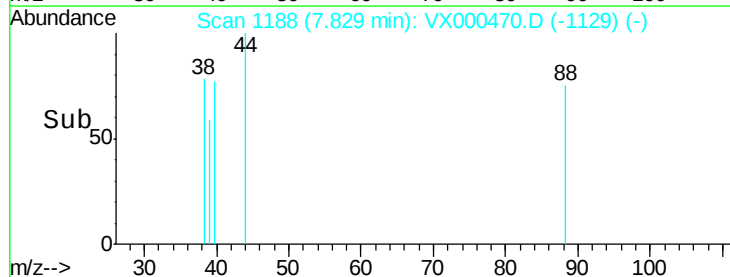
Abundance Ion 88.00 (87.70 to 88.70): VX0

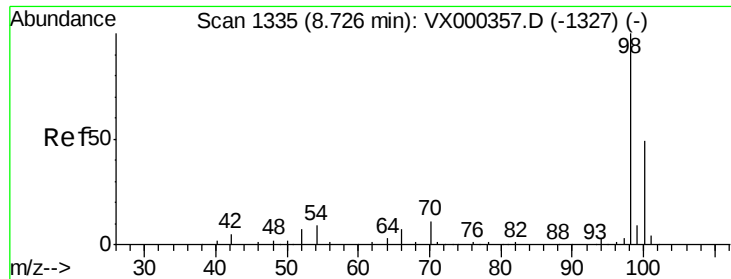
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#50

Toluene-d8

Concen: 47.89 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

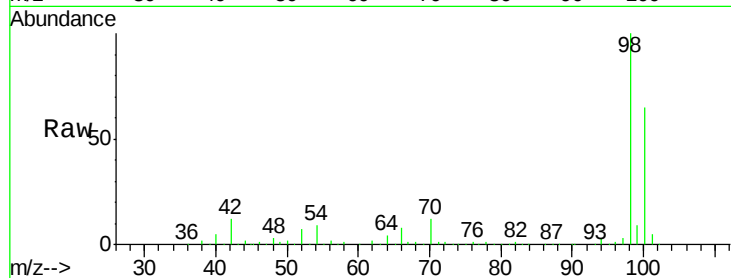
BU-03-032618

Tgt Ion: 98 Resp: 232158

Ion Ratio Lower Upper

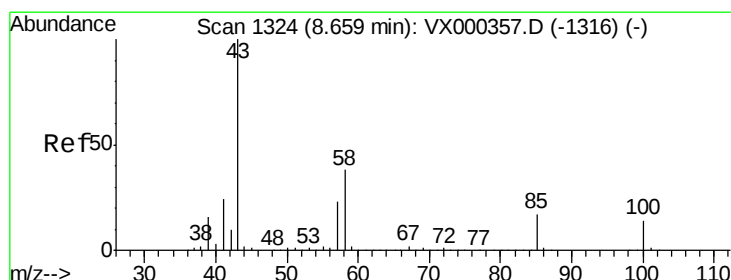
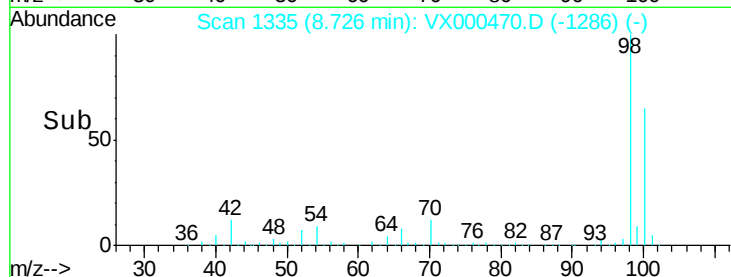
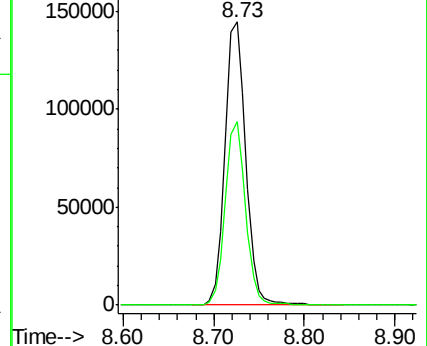
98 100

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): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000470.D

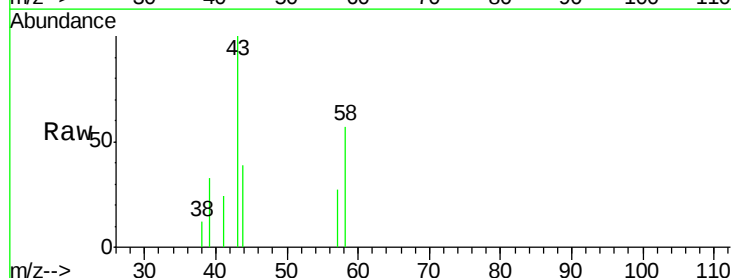
Acq: 27 Mar 2018 20:20

Tgt Ion: 43 Resp: 949

Ion Ratio Lower Upper

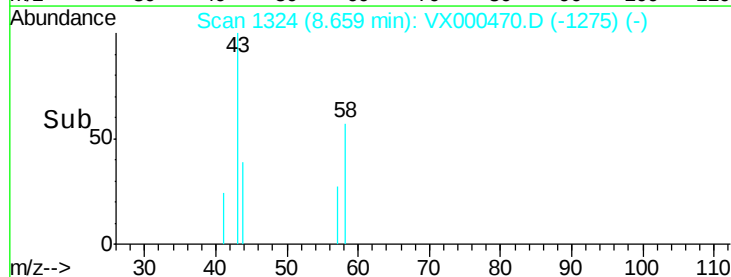
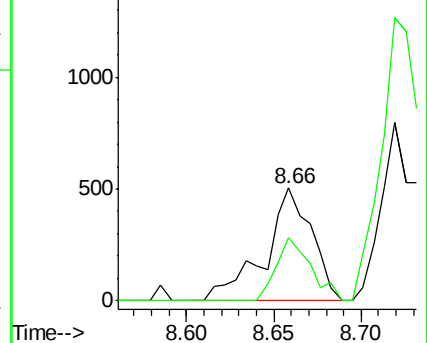
43 100

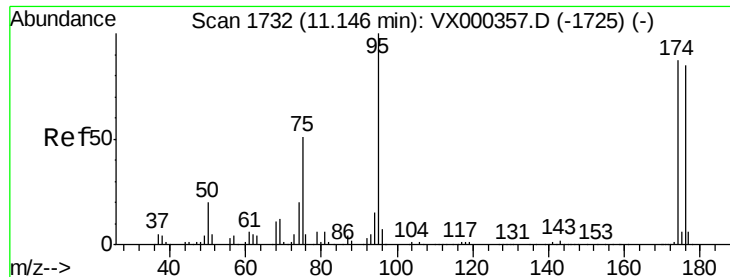
58 40.9 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 39.35 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618

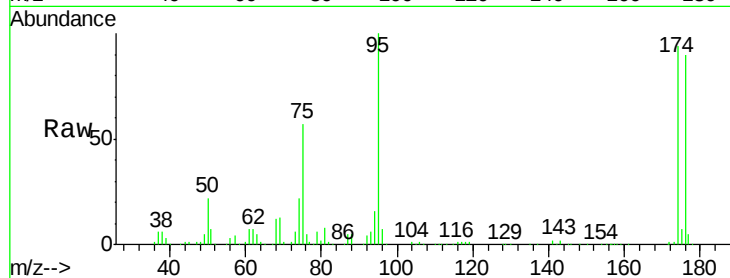
Tgt Ion: 95 Resp: 77528

Ion Ratio Lower Upper

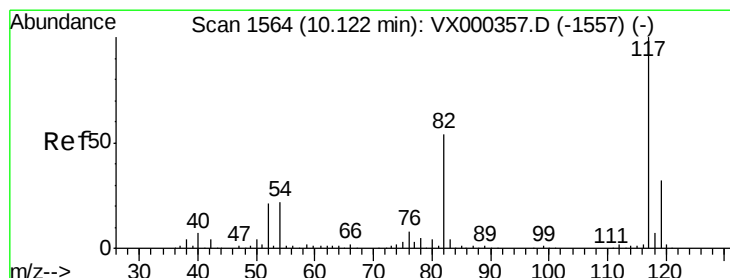
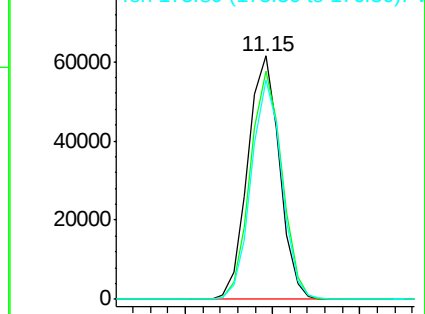
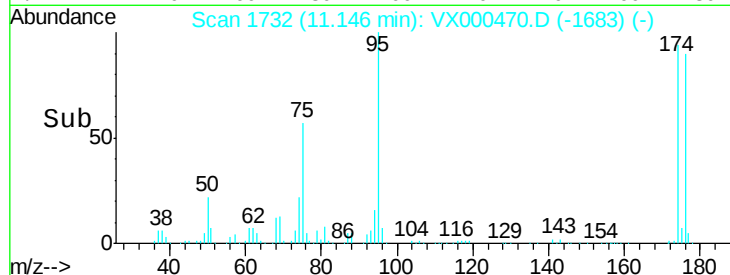
95 100

174 93.6 0.0 173.6

176 87.5 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000470.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

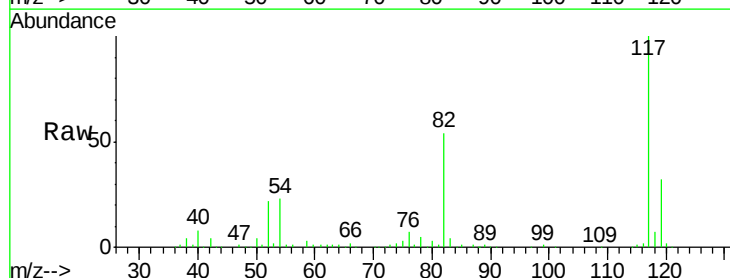
Tgt Ion: 117 Resp: 180766

Ion Ratio Lower Upper

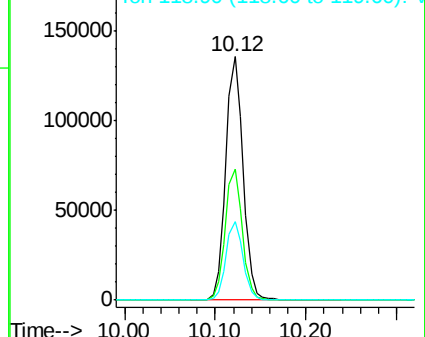
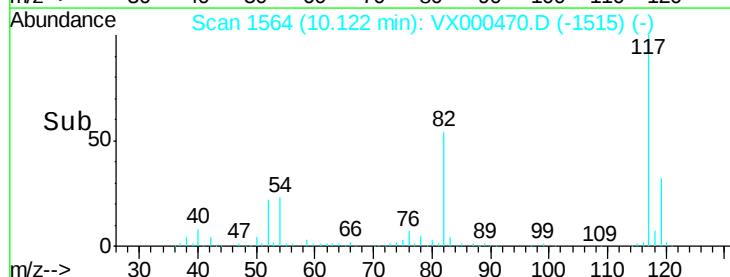
117 100

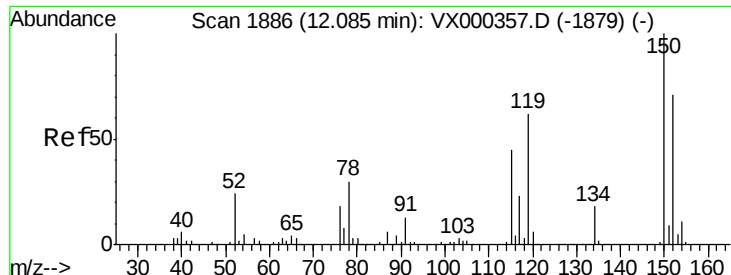
82 54.0 43.8 65.8

119 32.3 24.9 37.3



Abundance Ion 116.90 (116.60 to 117.60): VX000470.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618

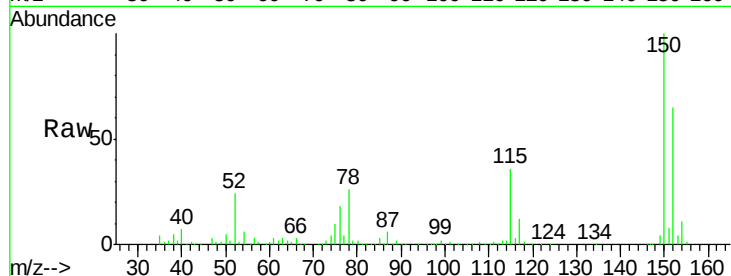
Tgt Ion:152 Resp: 93009

Ion Ratio Lower Upper

152 100

115 55.4 39.8 119.3

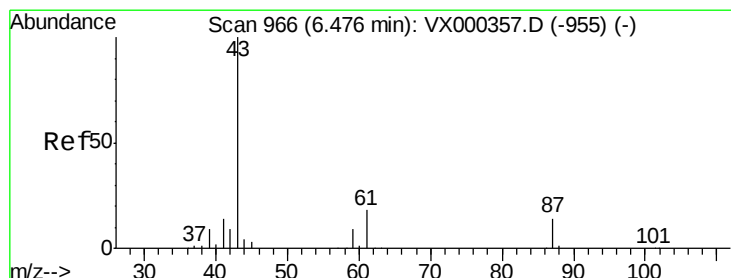
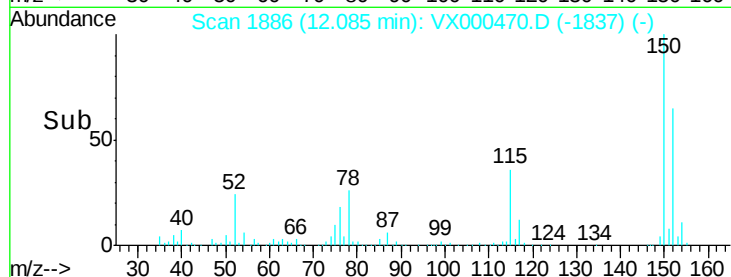
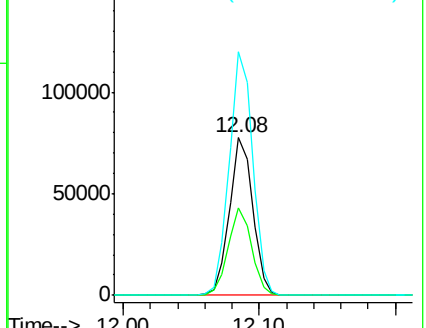
150 155.2 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Tgt Ion: 43 Resp: 1038

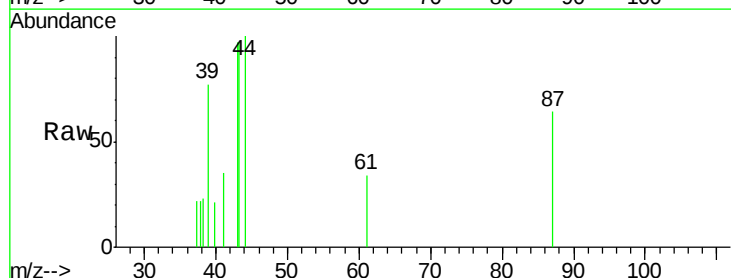
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.5 14.4 21.6

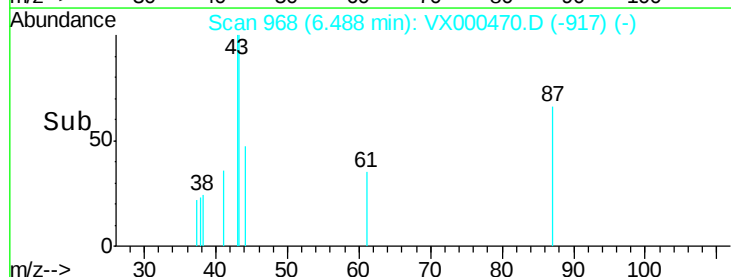
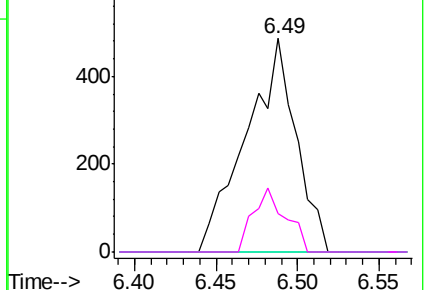


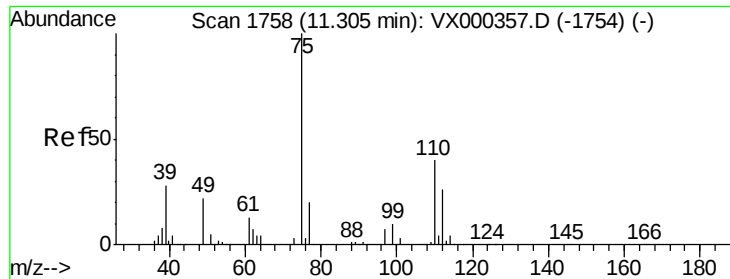
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

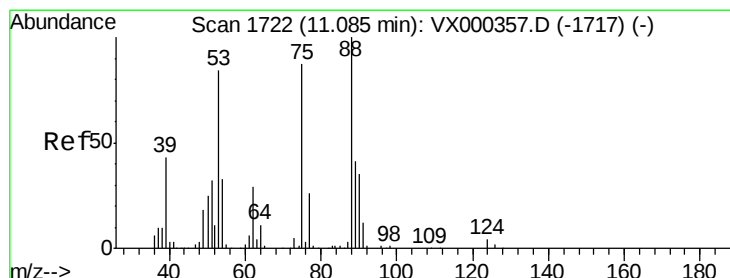
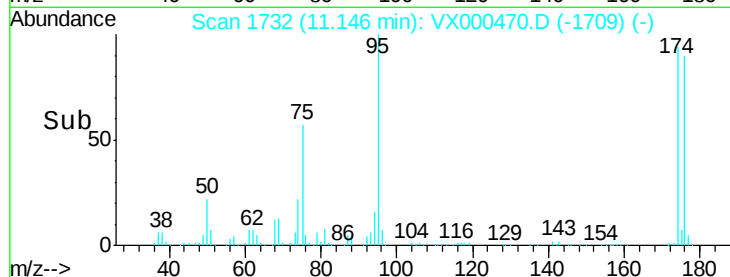
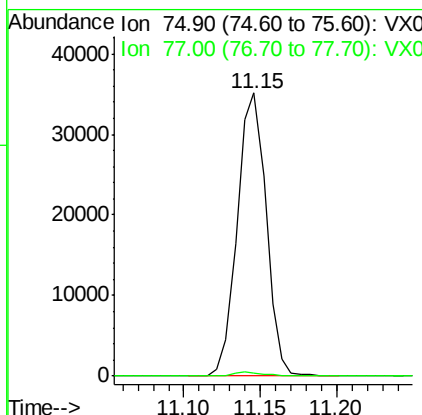
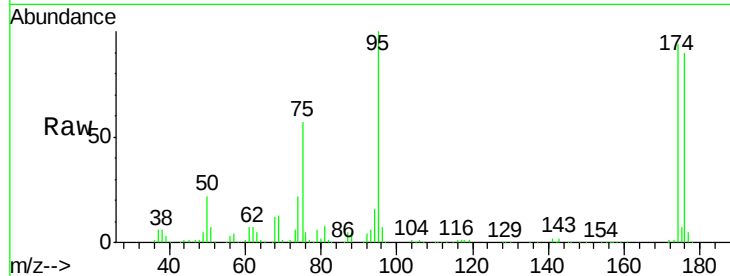




#76
 1,2,3-Trichloropropane
 Concen: 22.97 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000470.D
 Acq: 27 Mar 2018 20:20

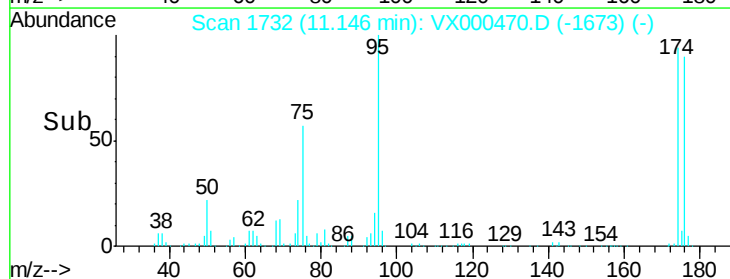
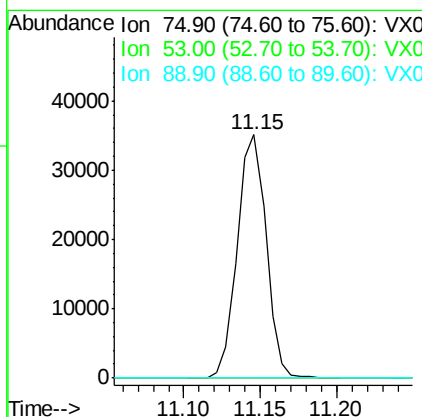
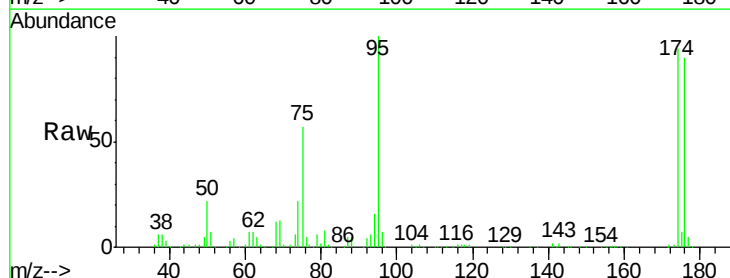
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-03-032618

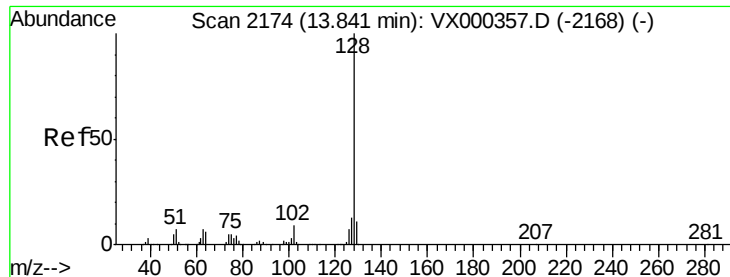
Tgt Ion: 75 Resp: 45923
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.38 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000470.D
 Acq: 27 Mar 2018 20:20

Tgt Ion: 75 Resp: 45923
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#





#95

Naphthalene

Concen: 2.84 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000470.D

Acq: 27 Mar 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618

Tgt Ion:128 Resp: 21556

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 11.4 8.9 13.3

