

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000448.D
 Acq On : 26 Mar 2018 18:20
 Operator : JC/MD
 Sample : J2052-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:54:45 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	101516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	176541	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	168256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79450	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	75240	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	5.51	113	59505	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	8.73	98	225953	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.15	95	72098	38.64	ug/l	0.00
Spiked Amount			Recovery	=	77.28%	

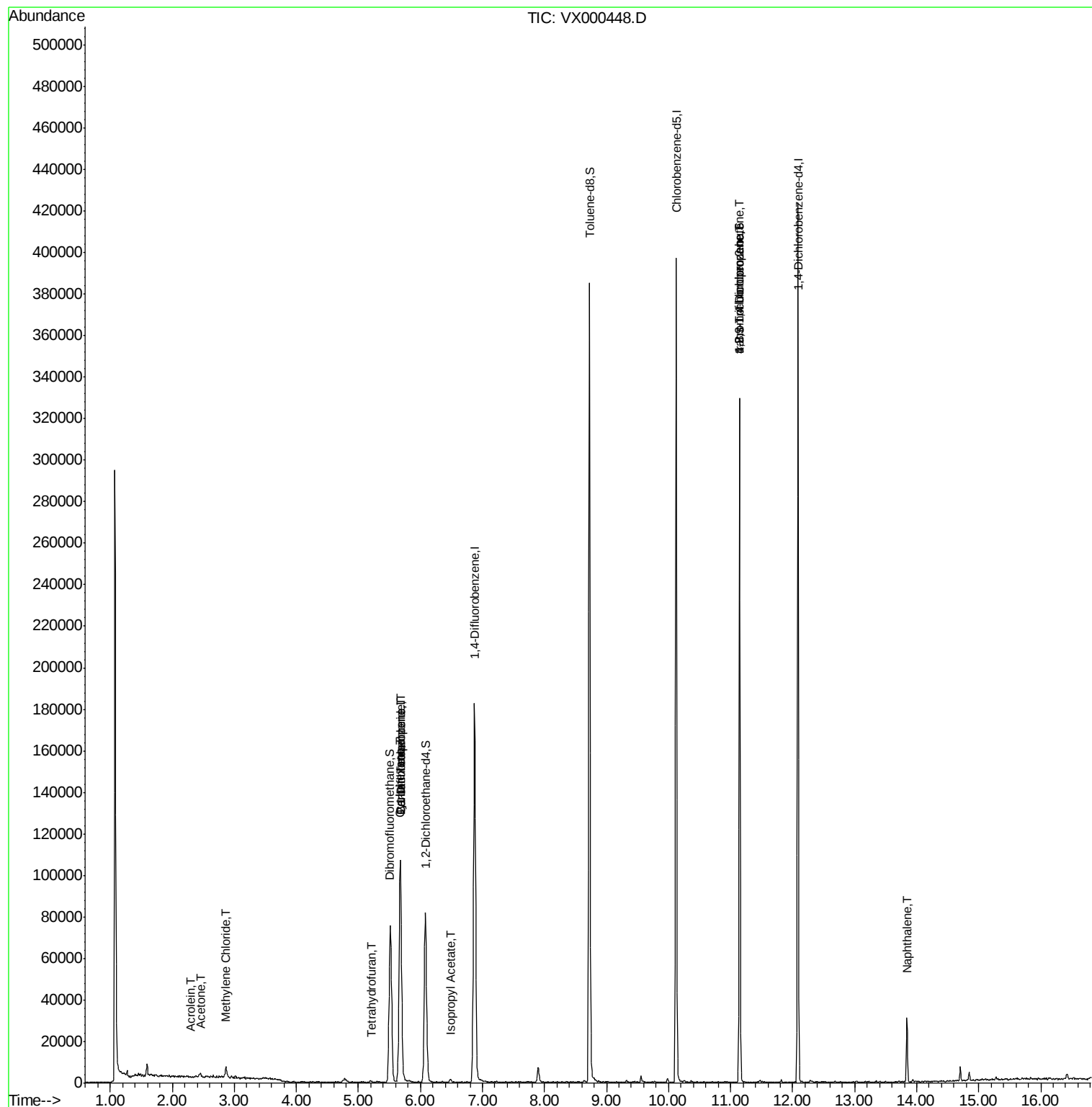
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	373	Below Cal	#	44
13) Acrolein	2.30	56	20	14.708	ug/l #	1
16) Acetone	2.45	43	2063	1.871	ug/l	92
20) Methylene Chloride	2.87	84	2044	1.605	ug/l #	77
29) Tetrahydrofuran	5.20	42	311	0.408	ug/l #	68
31) Cyclohexane	5.67	56	2600	1.555	ug/l #	72
36) 1,1-Dichloropropene	5.68	75	7615	4.605	ug/l #	46
38) Carbon Tetrachloride	5.68	117	10507	6.056	ug/l #	15
43) Isopropyl Acetate	6.48	43	1761	0.524	ug/l #	83
74) N-amyl acetate	6.48	43	1761	Below Cal	#	79
76) 1,2,3-Trichloropropane	11.15	75	41083	24.061	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	41083	77.898	ug/l #	9
95) Naphthalene	13.84	128	17513	2.698	ug/l	99

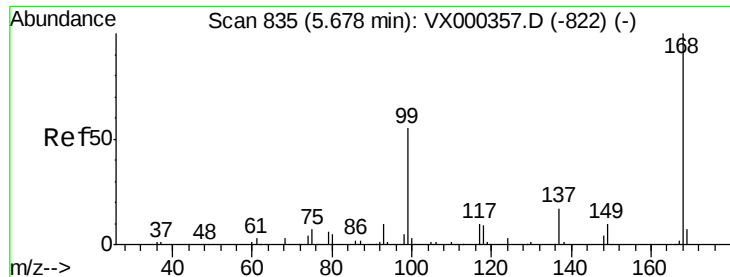
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

Instrument :

MSVOA_X

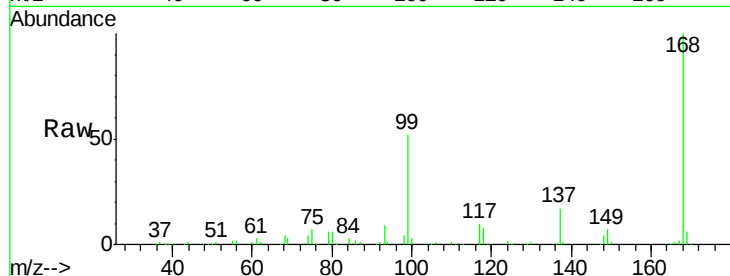
ClientSampled :

Tot Ion:168 Resp: 101516

Ion Ratio Lower Upper

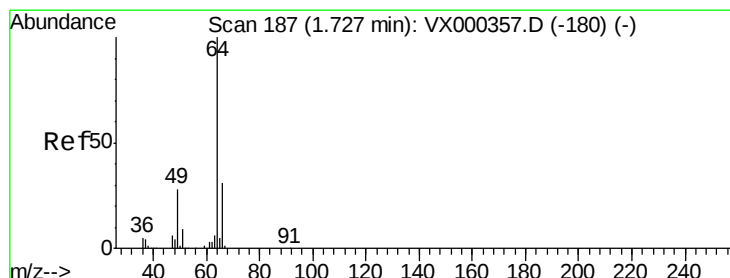
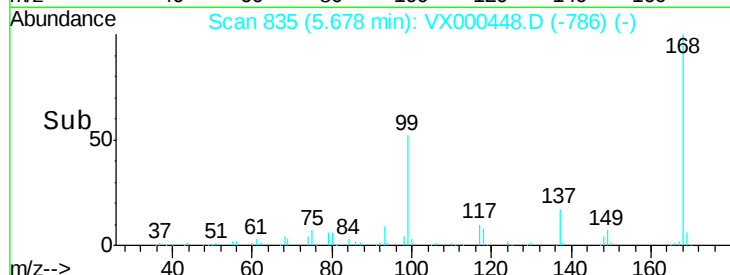
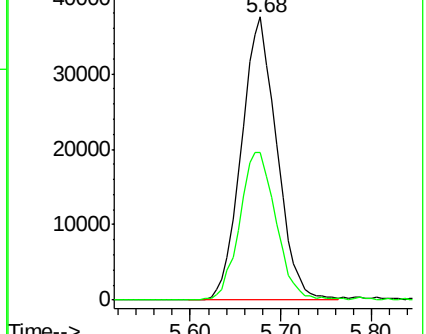
168 100

99 52.0 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: VX000448.D

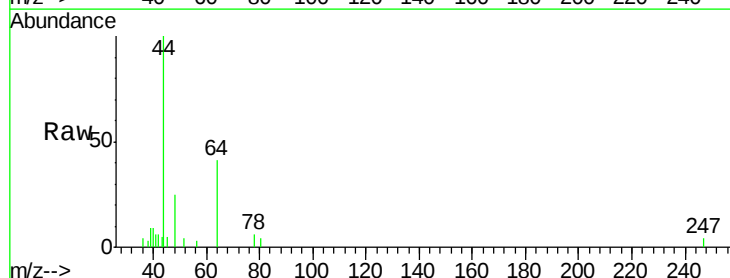
Acq: 26 Mar 2018 18:20

Tgt Ion: 64 Resp: 373

Ion Ratio Lower Upper

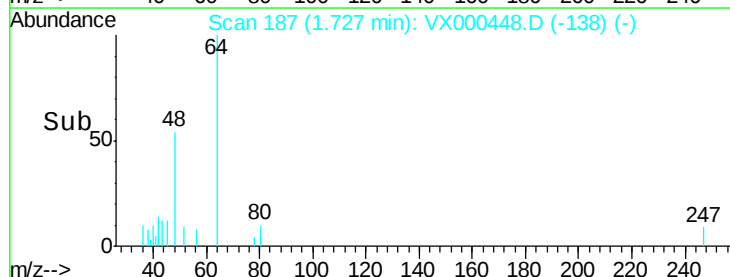
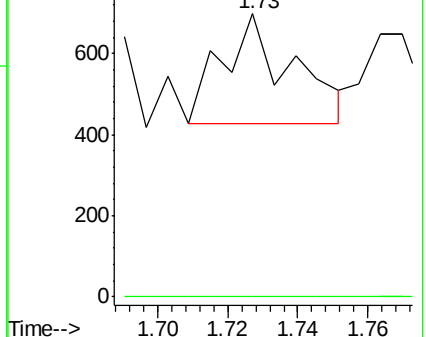
64 100

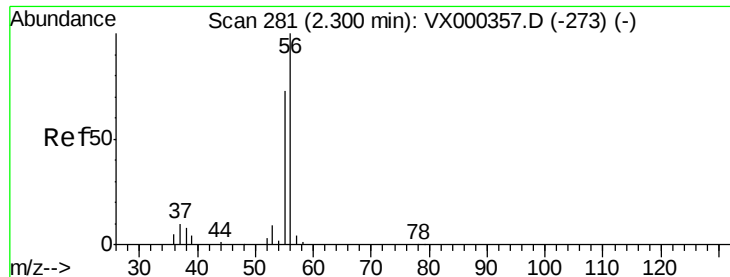
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 14.708 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

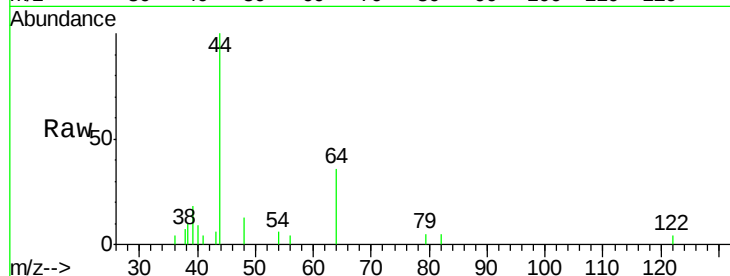
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 20

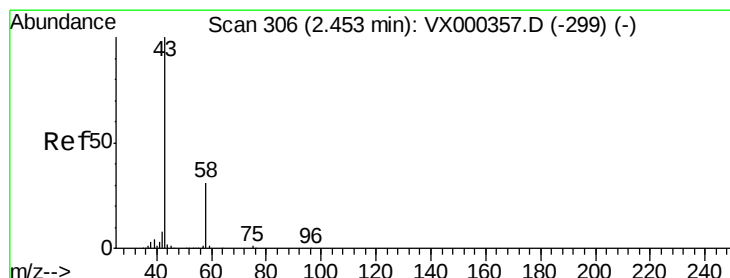
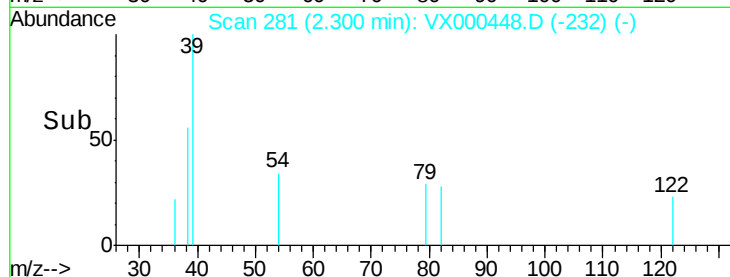
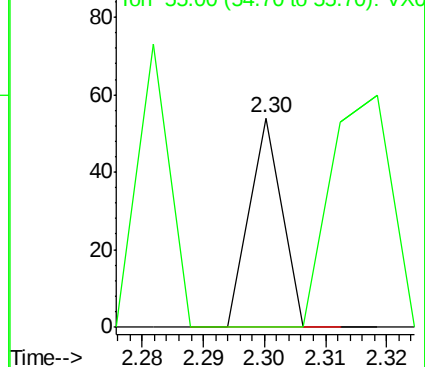
Ion Ratio Lower Upper

56 100

55 205.0 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: 1.871 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000448.D

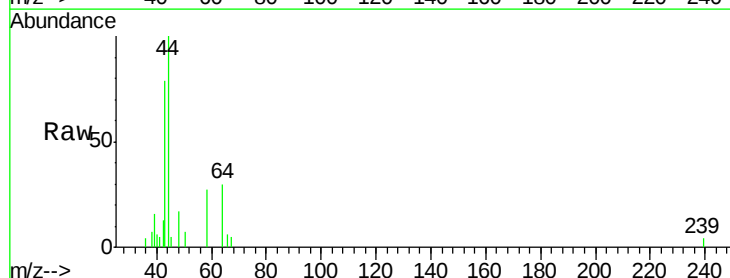
Acq: 26 Mar 2018 18:20

Tgt Ion: 43 Resp: 2063

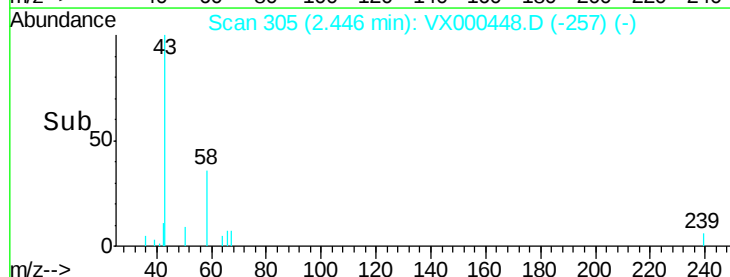
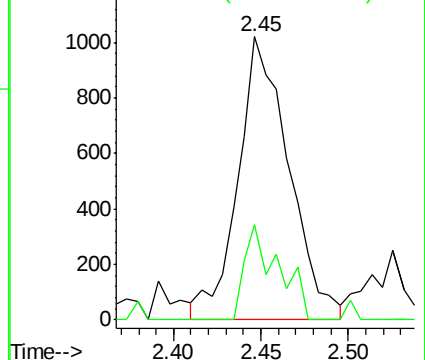
Ion Ratio Lower Upper

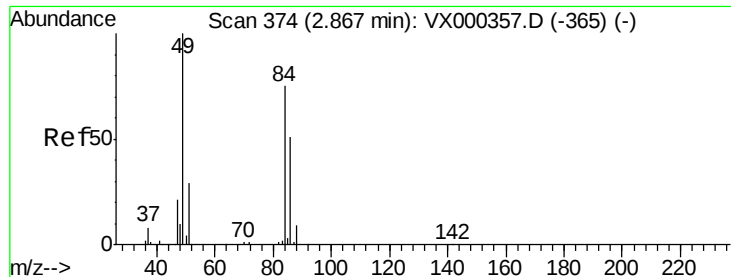
43 100

58 35.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 1.605 ug/l

RT: 2.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 2044

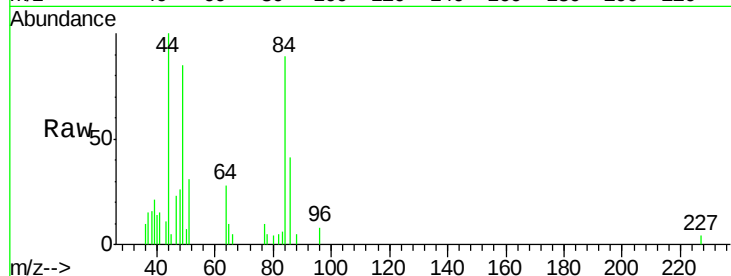
Ion Ratio Lower Upper

84 100

49 95.2 100.6 151.0#

51 34.7 31.6 47.4

86 46.1 52.6 78.8#

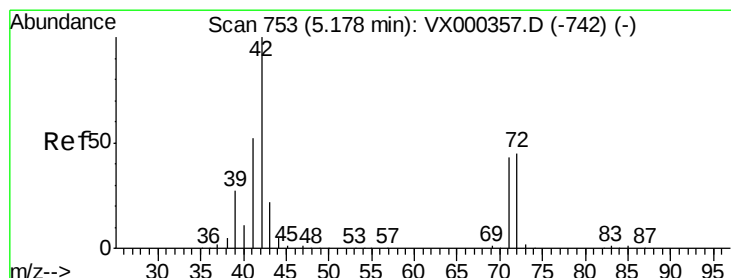
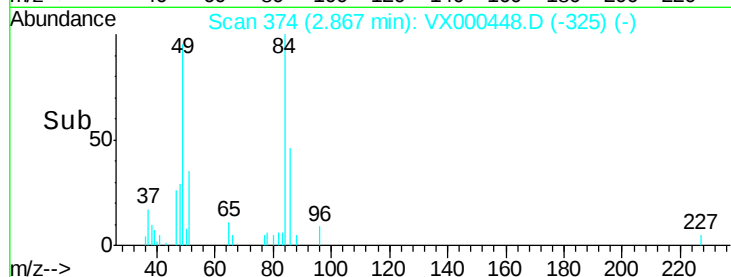
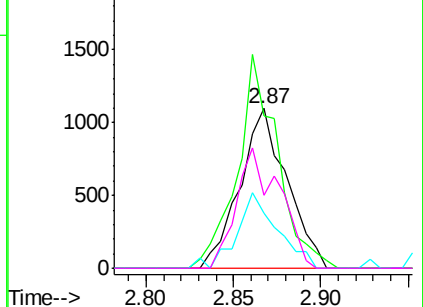


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 0.408 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.02 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

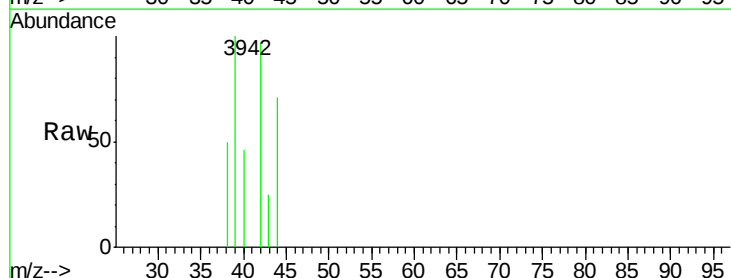
Tgt Ion: 42 Resp: 311

Ion Ratio Lower Upper

42 100

72 19.0 37.9 56.9#

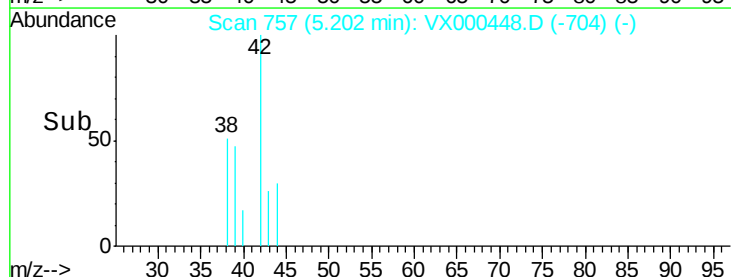
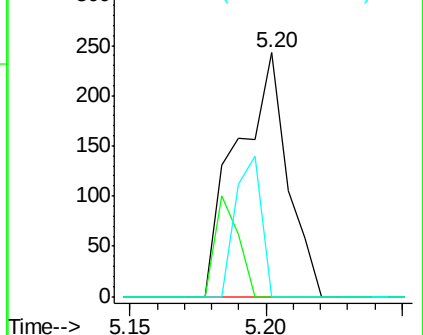
71 29.6 34.4 51.6#

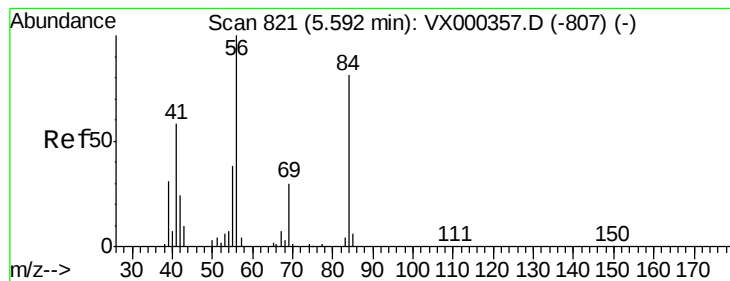


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.555 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.07 min

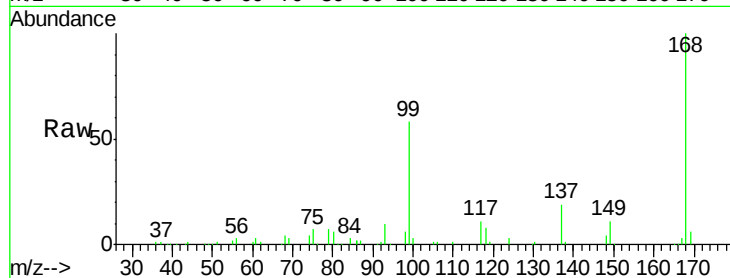
Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

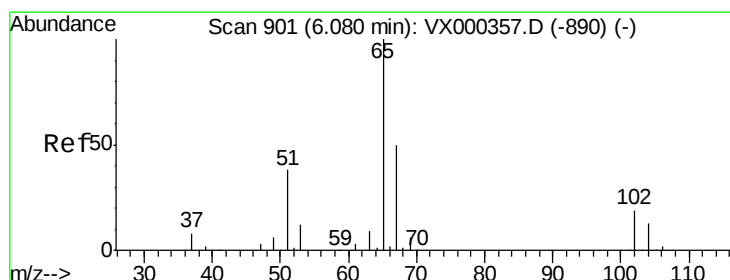
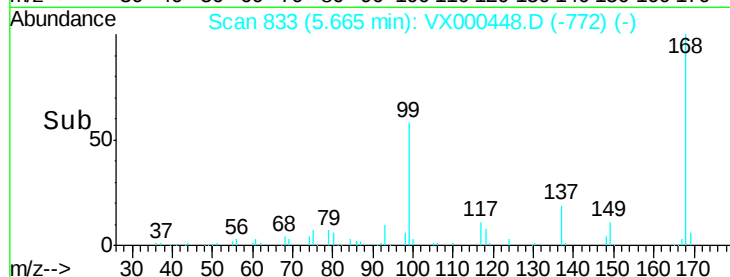
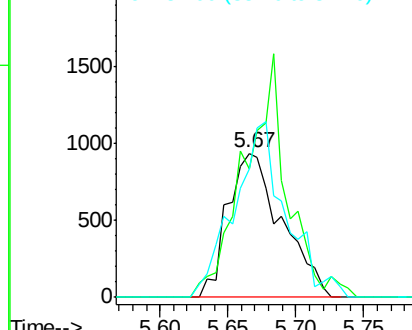
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 2600

Ion	Ratio	Lower	Upper
56	100		
69	88.8	23.4	35.0#
84	88.9	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: 56.779 ug/l

RT: 6.08 min Scan# 901

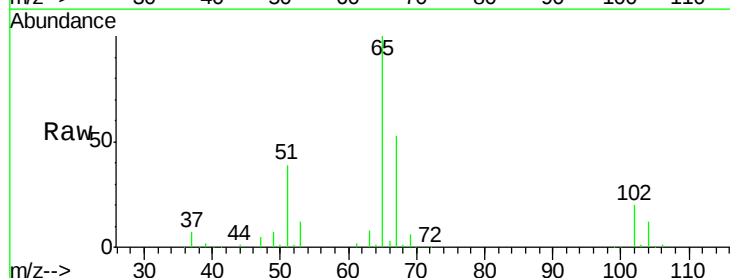
Delta R.T. -0.00 min

Lab File: VX000448.D

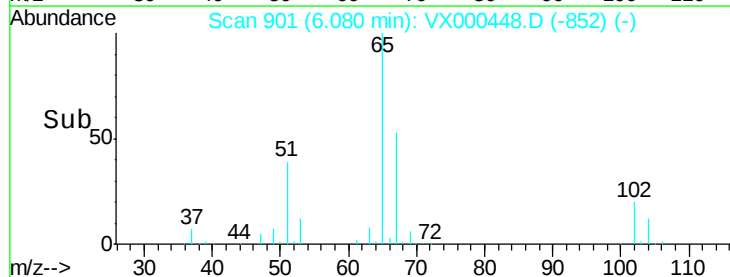
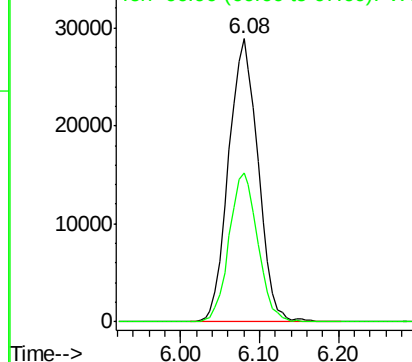
Acq: 26 Mar 2018 18:20

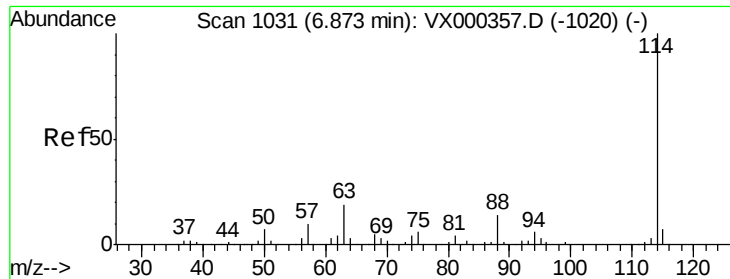
Tgt Ion: 65 Resp: 75240

Ion	Ratio	Lower	Upper
65	100		
67	50.9	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: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

Instrument :

MSVOA_X

ClientSampled :

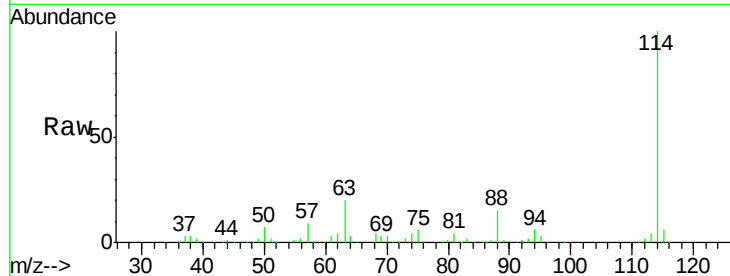
Tot Ion:114 Resp: 176541

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

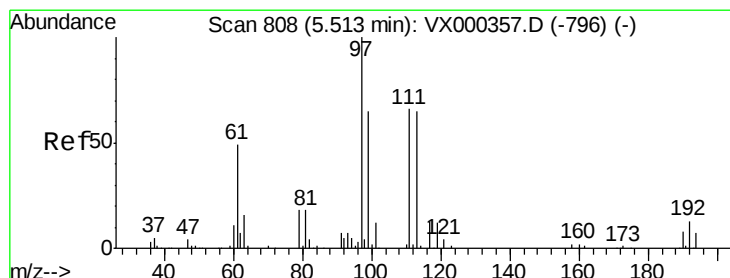
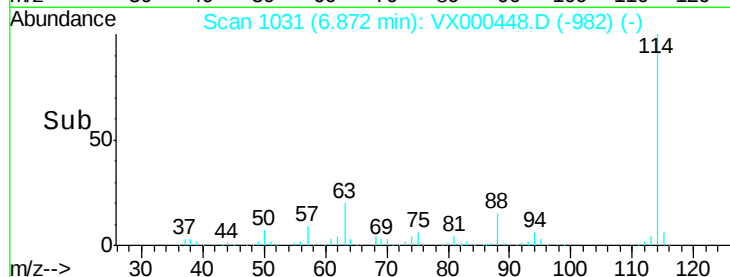
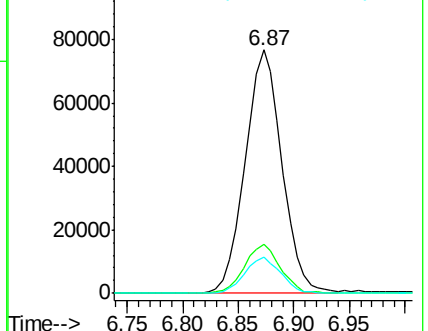
88 14.7 0.0 27.0



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: 53.494 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

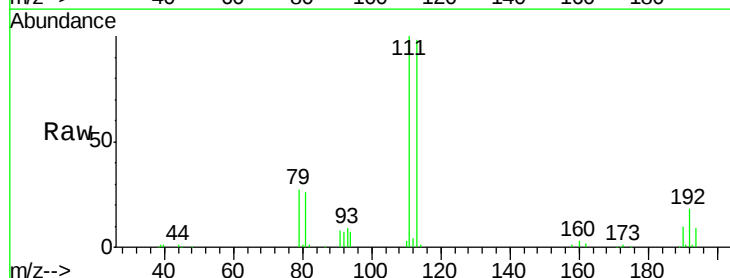
Tgt Ion:113 Resp: 59505

Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

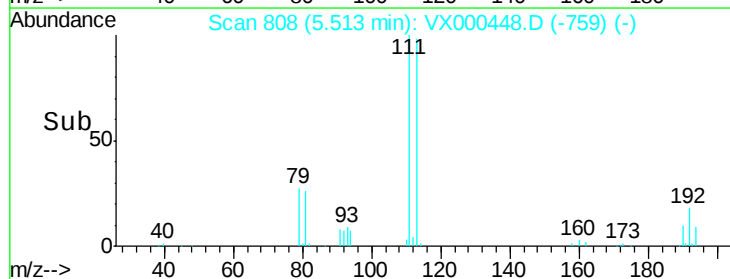
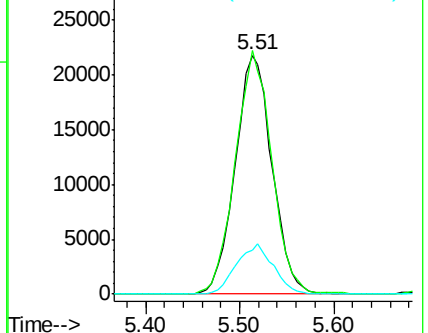
192 21.0 15.8 23.6

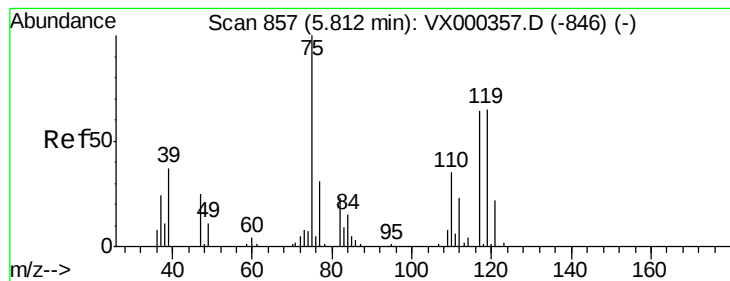


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.605 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

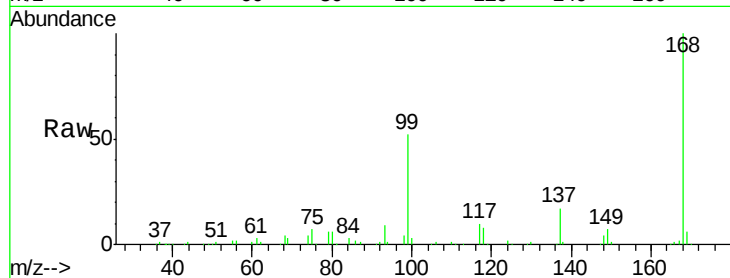
Tot Ion: 75 Resp: 7615

Ion Ratio Lower Upper

75 100

110 4.9 17.9 53.7#

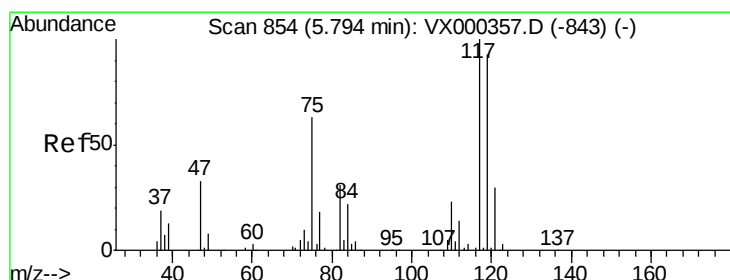
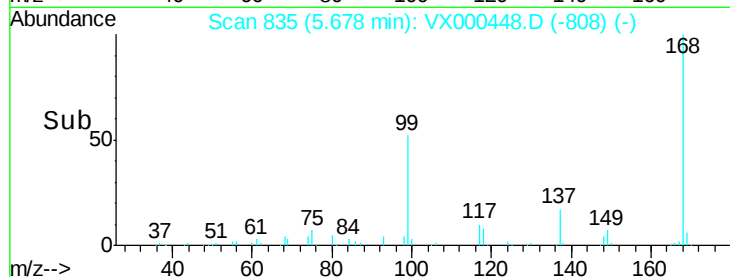
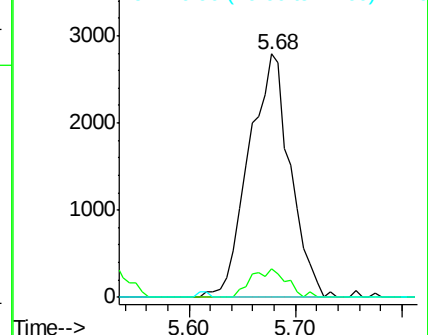
77 0.0 24.0 36.0#



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: 6.056 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

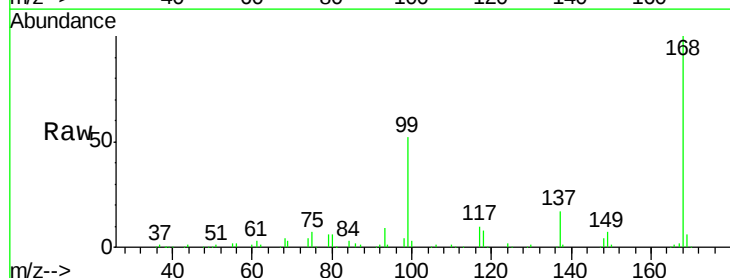
Tgt Ion: 117 Resp: 10507

Ion Ratio Lower Upper

117 100

119 4.2 77.4 116.2#

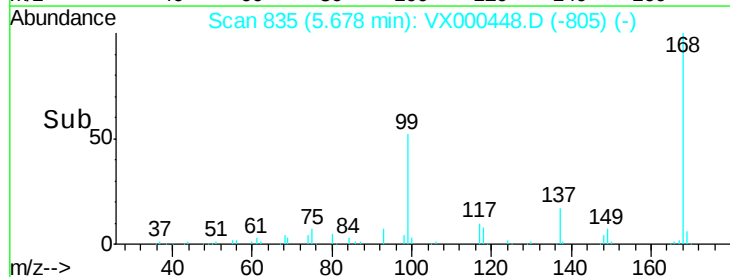
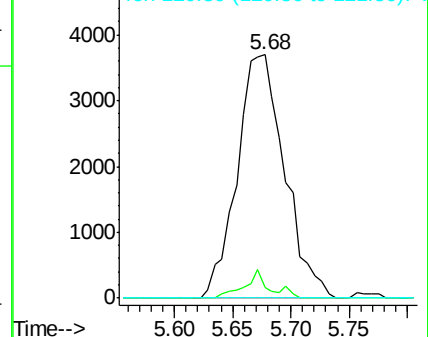
121 0.0 24.8 37.2#

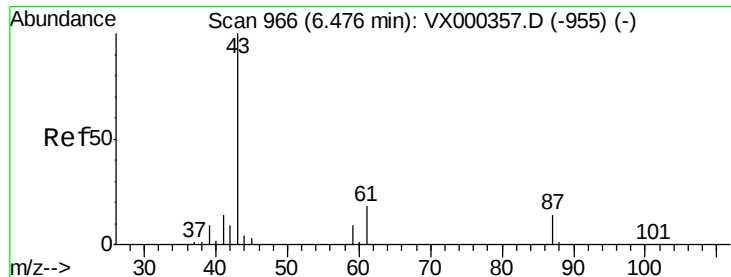


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.524 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

Instrument :

MSVOA_X

ClientSampled :

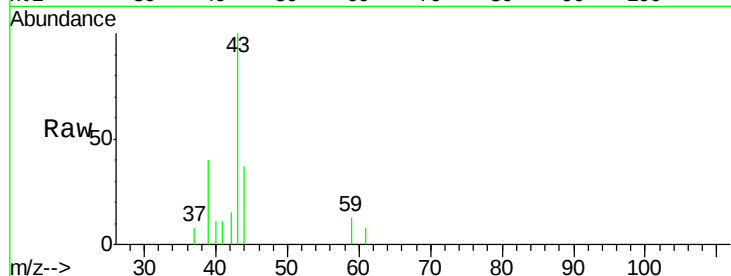
Tot Ion: 43 Resp: 1761

Ion Ratio Lower Upper

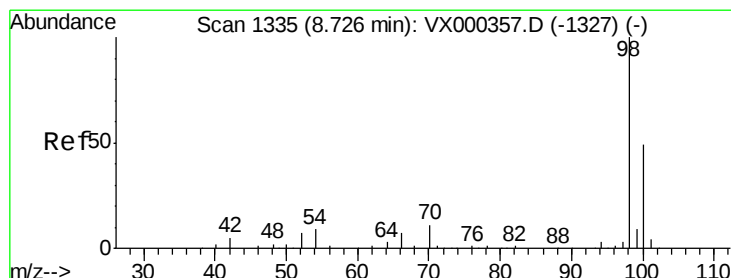
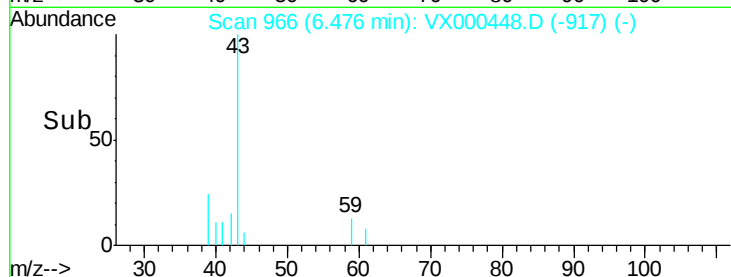
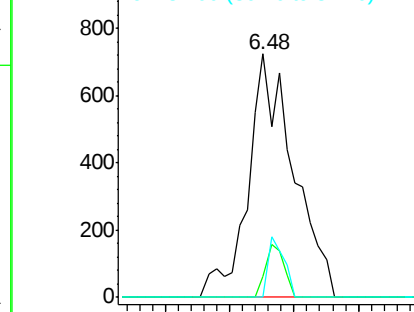
43 100

61 8.8 14.4 21.6#

87 8.7 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



#50

Toluene-d8

Concen: 49.046 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000448.D

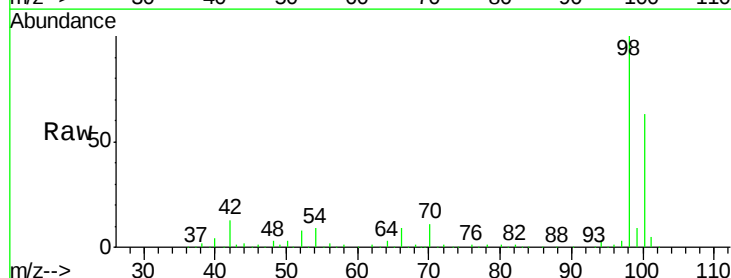
Acq: 26 Mar 2018 18:20

Tgt Ion: 98 Resp: 225953

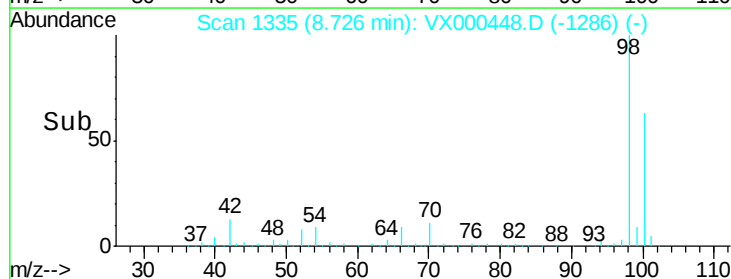
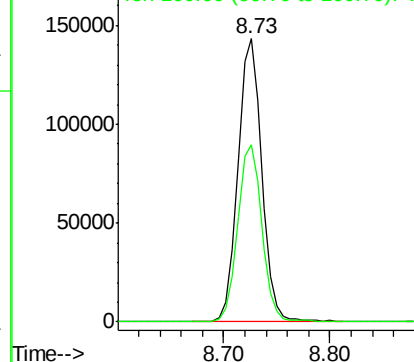
Ion Ratio Lower Upper

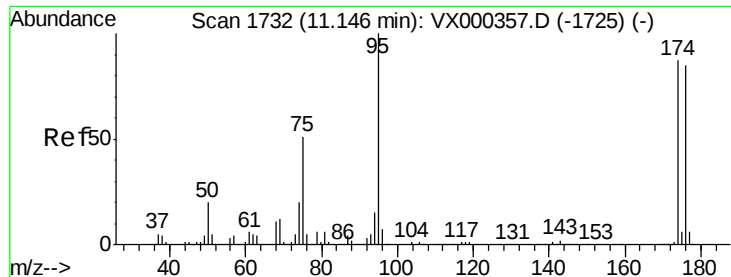
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

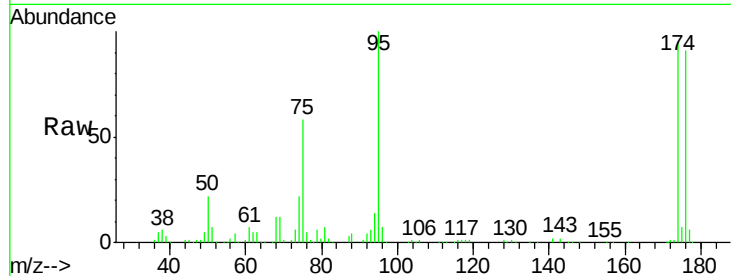




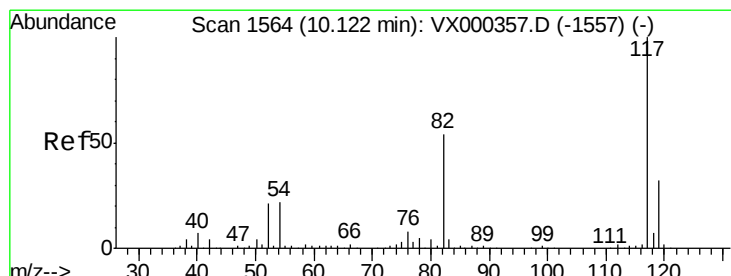
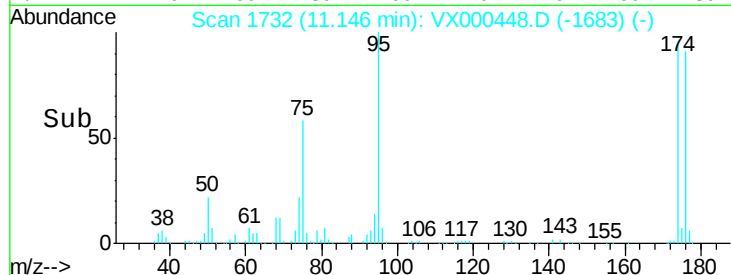
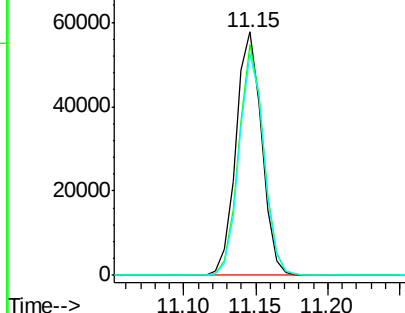
#62
4-Bromofluorobenzene
Concen: 38.638 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000448.D
Acq: 26 Mar 2018 18:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 95 Resp: 72098
Ion Ratio Lower Upper
95 100
174 91.1 0.0 173.6
176 87.7 0.0 164.6

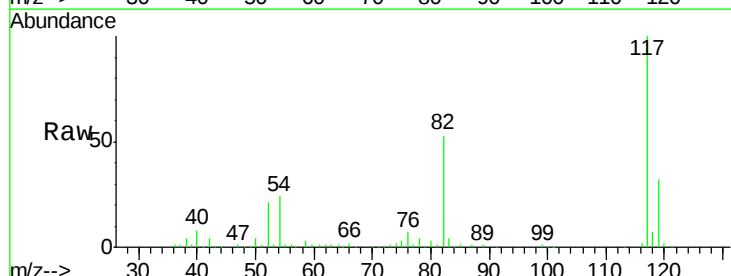


Abundance Ion 94.90 (94.60 to 95.60): VX
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

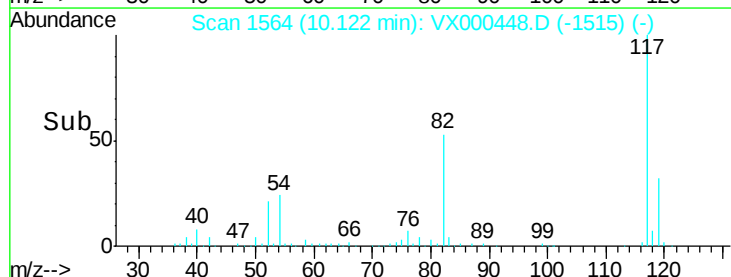
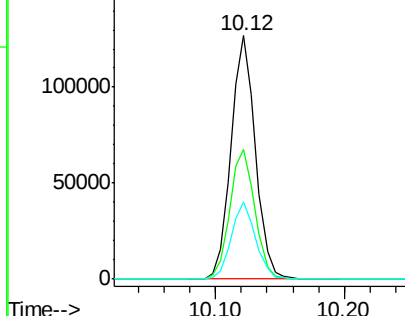


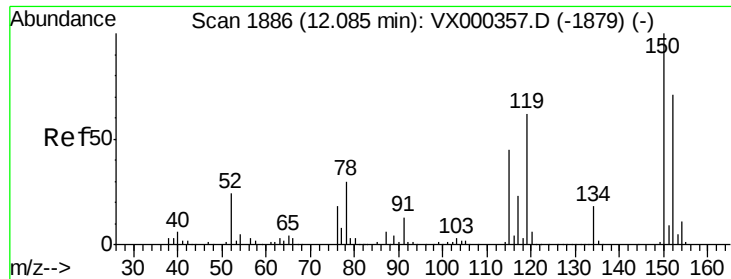
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000448.D
Acq: 26 Mar 2018 18:20

Tgt Ion: 117 Resp: 168256
Ion Ratio Lower Upper
117 100
82 53.3 43.8 65.8
119 31.7 24.9 37.3



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

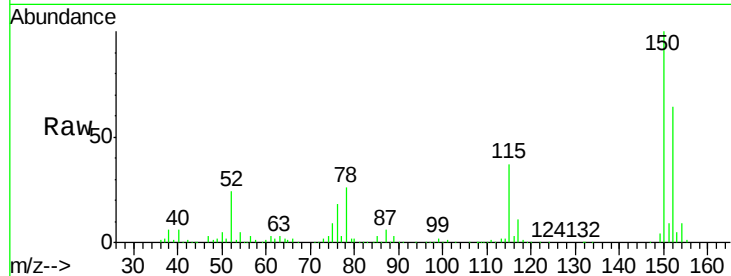
Tot Ion:152 Resp: 79450

Ion Ratio Lower Upper

152 100

115 55.2 39.8 119.3

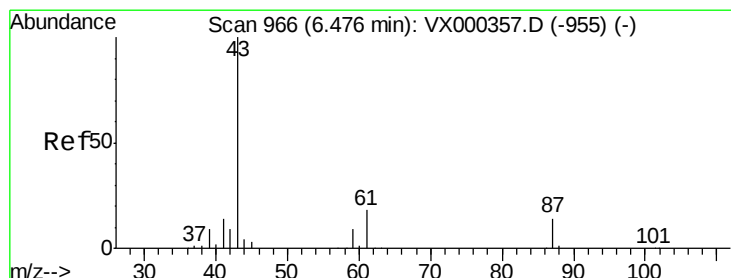
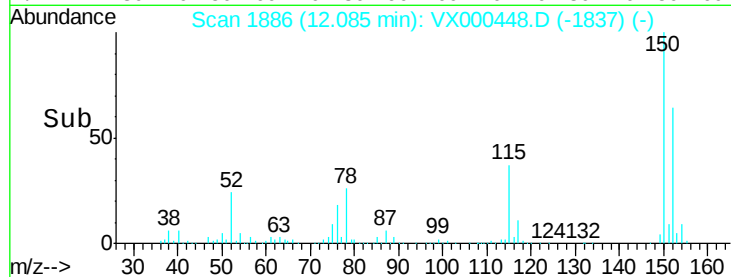
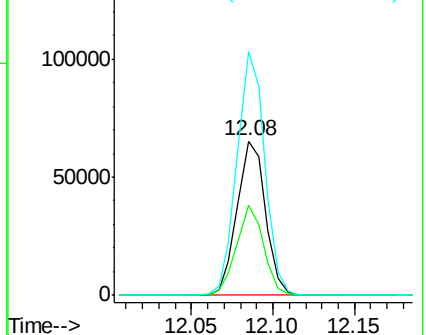
150 154.5 0.0 344.4



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-amil acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000448.D

Acq: 26 Mar 2018 18:20

Tgt Ion: 43 Resp: 1761

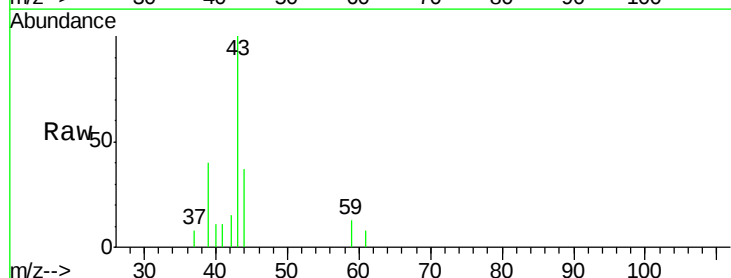
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 8.8 14.4 21.6#

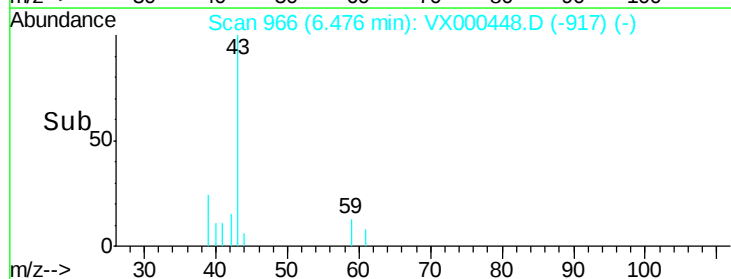
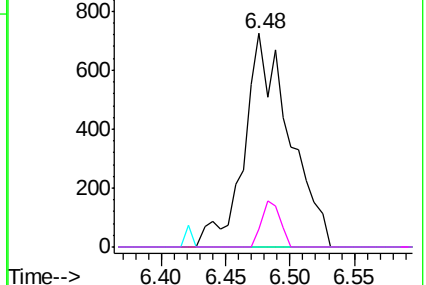


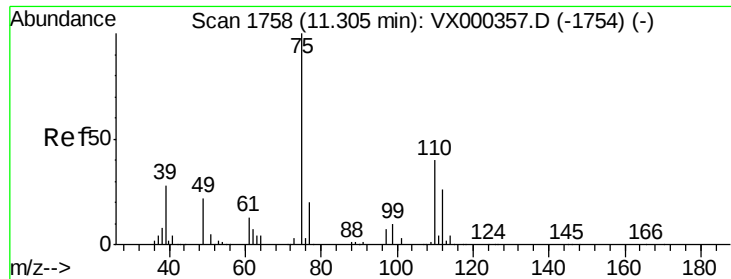
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

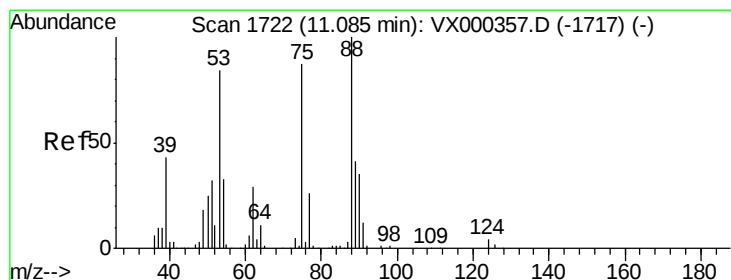
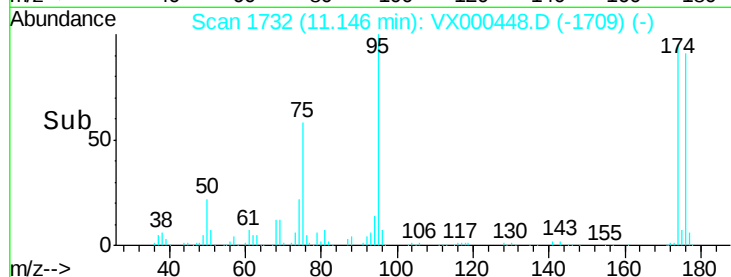
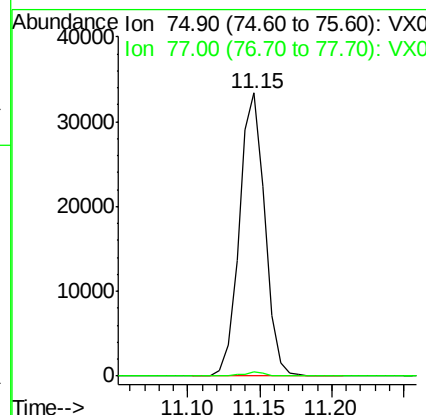
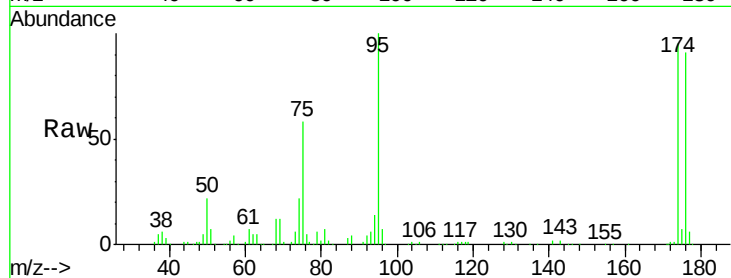




#76
 1,2,3-Trichloropropane
 Concen: 24.061 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000448.D
 Acq: 26 Mar 2018 18:20

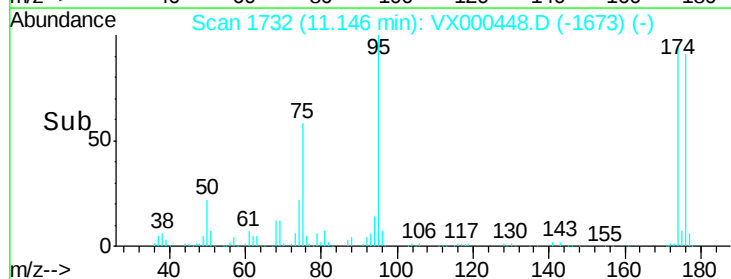
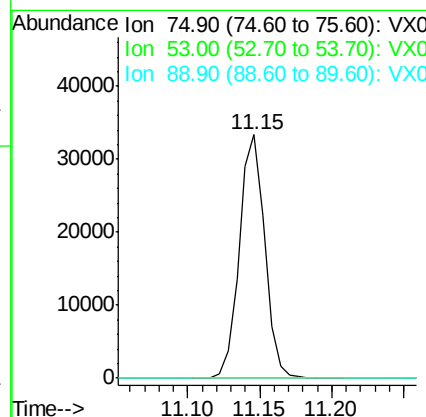
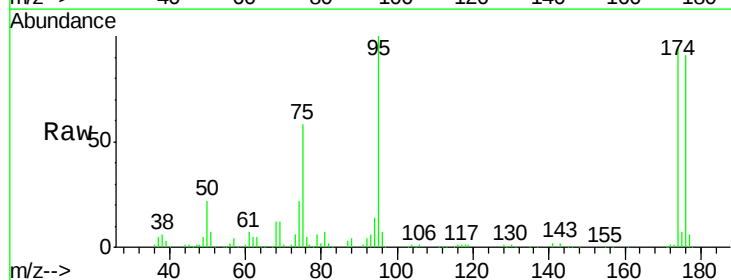
Instrument :
 MSVOA_X
 ClientSampleId :

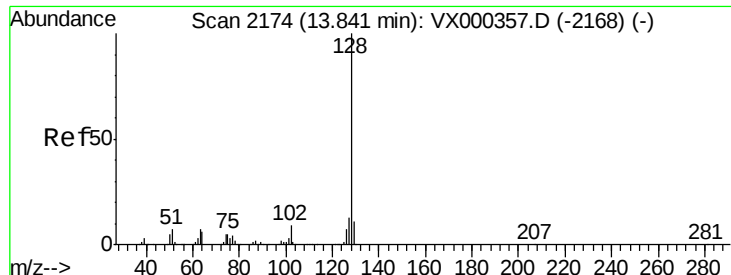
Tot Ion: 75 Resp: 41083
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.898 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000448.D
 Acq: 26 Mar 2018 18:20

Tgt Ion: 75 Resp: 41083
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.7 121.1#
 89 0.0 39.4 59.0#





#95
Naphthalene
Concen: 2.698 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000448.D
Acq: 26 Mar 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 17513
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 8.9 13.3

