

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030218\
 Data File : VX000199.D
 Acq On : 02 Mar 2018 18:34
 Operator : JC/MD
 Sample : J1778-03 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 04:43:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	88977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	145697	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	133546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	67948	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	56402	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
35) Dibromofluoromethane	5.52	113	42579	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
50) Toluene-d8	8.73	98	174717	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.15	95	59977	42.17	ug/l	0.00
Spiked Amount			Recovery	=	84.34%	

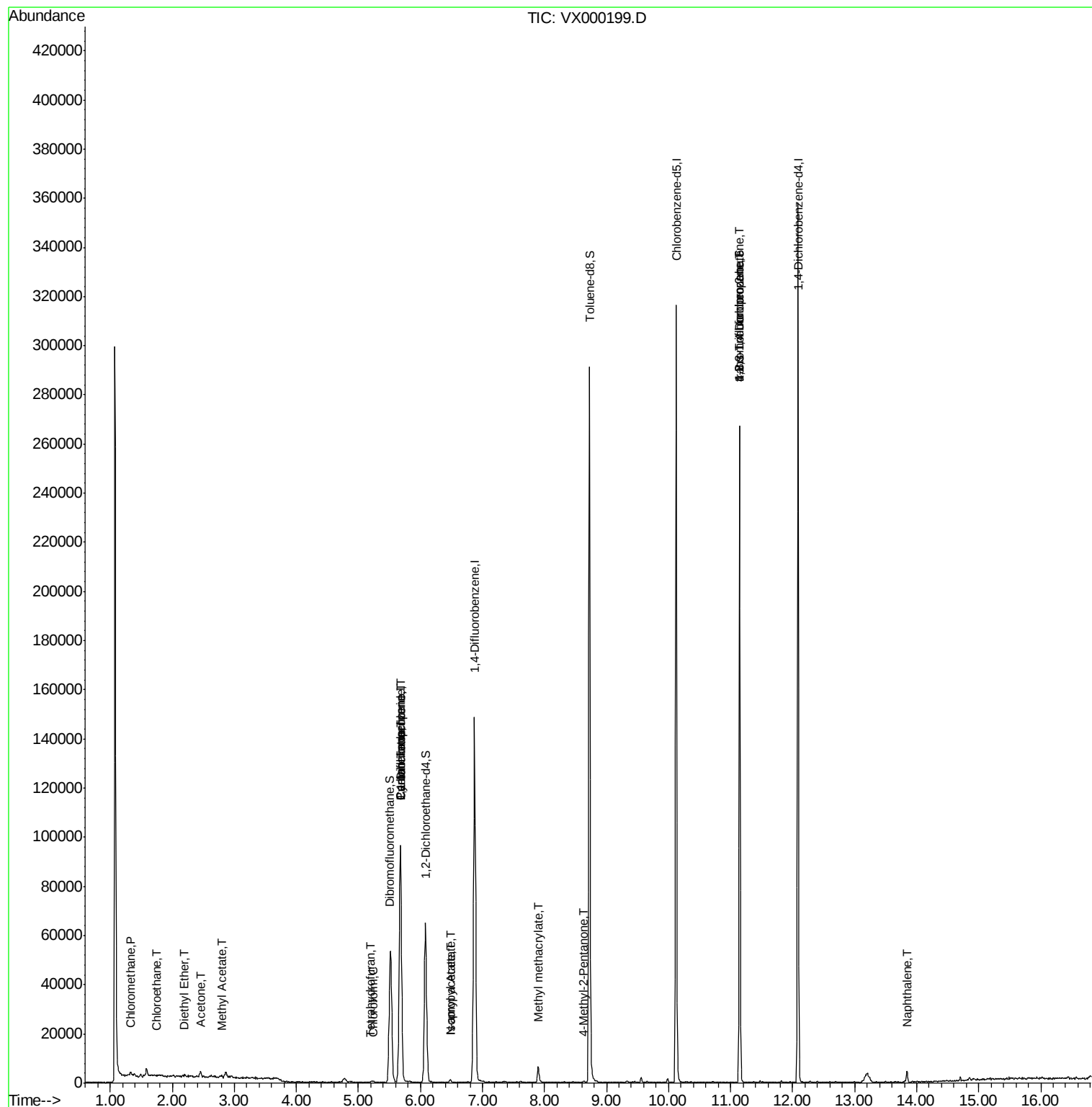
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	297	0.33	ug/l	97
5) Bromomethane	1.67	94	211	Below Cal	#	46
6) Chloroethane	1.73	64	145	0.22	ug/l	# 42
8) Diethyl Ether	2.20	74	145	0.23	ug/l	69
16) Acetone	2.45	43	2553	3.54	ug/l	89
18) Methyl Acetate	2.79	43	747	0.44	ug/l	# 75
20) Methylene Chloride	2.87	84	962	Below Cal	#	89
29) Tetrahydrofuran	5.20	42	151	0.23	ug/l	# 58
30) Chloroform	5.23	83	744	0.44	ug/l	# 17
31) Cyclohexane	5.68	56	2410	1.74	ug/l	# 48
36) 1,1-Dichloropropene	5.68	75	7474	5.72	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	9099	6.44	ug/l	# 16
41) Methacrylonitrile	5.04	41	24	Below Cal	#	1
43) Isopropyl Acetate	6.48	43	1474	0.57	ug/l	# 76
48) Methyl methacrylate	7.90	41	734	0.58	ug/l	# 21
51) 4-Methyl-2-Pentanone	8.63	43	445	0.24	ug/l	# 36
74) N-amyl acetate	6.48	43	1474	0.68	ug/l	# 74
76) 1,2,3-Trichloropropane	11.15	75	34127	24.25	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.15	75	34127	69.05	ug/l	# 12
95) Naphthalene	13.84	128	2827	0.50	ug/l	# 95

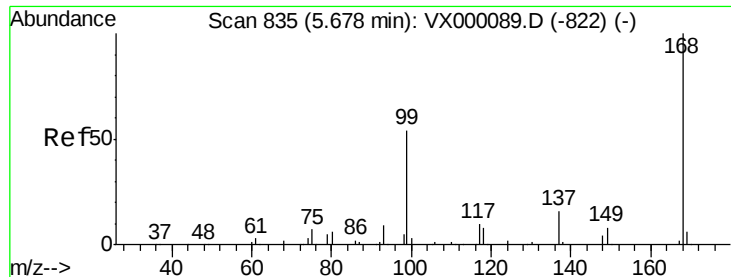
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 15 12:46:41 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: VX000199.D

Acq: 02 Mar 2018 18:34

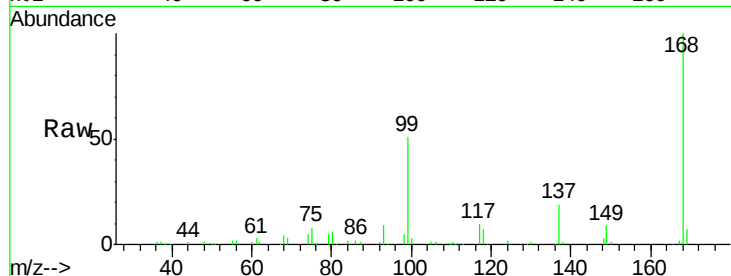
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 88977

Ion Ratio Lower Upper

168 100

99 51.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

30000

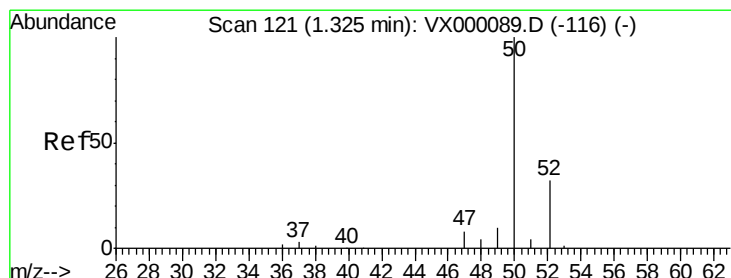
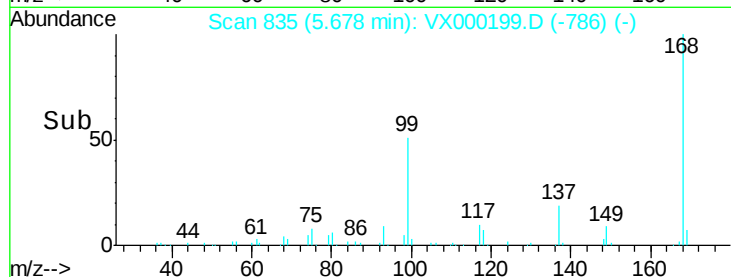
20000

10000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.33 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000199.D

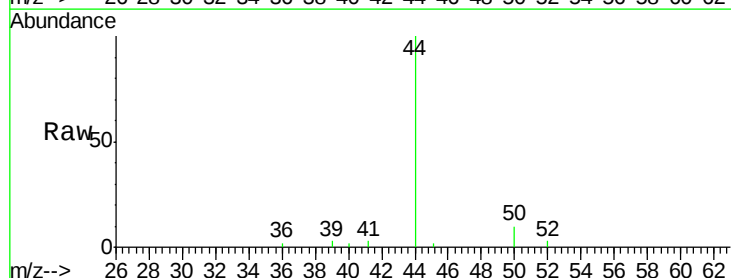
Acq: 02 Mar 2018 18:34

Tgt Ion: 50 Resp: 297

Ion Ratio Lower Upper

50 100

52 30.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

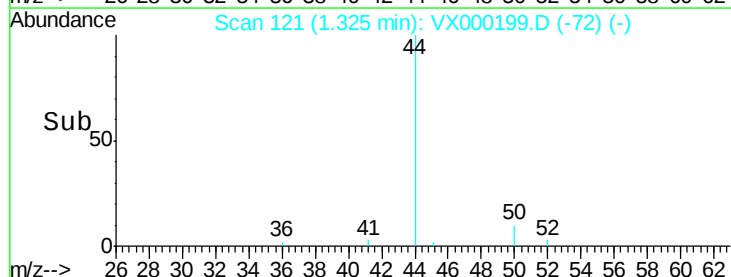
200

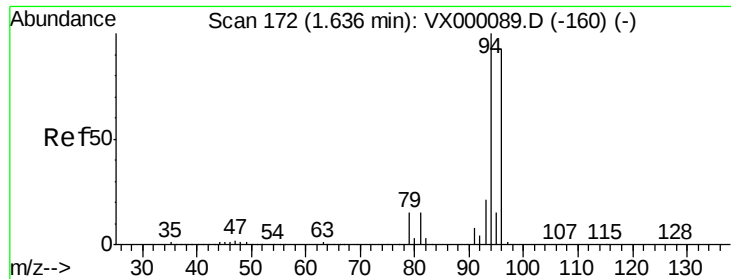
100

0

Time-->

1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

Instrument :

MSVOA_X

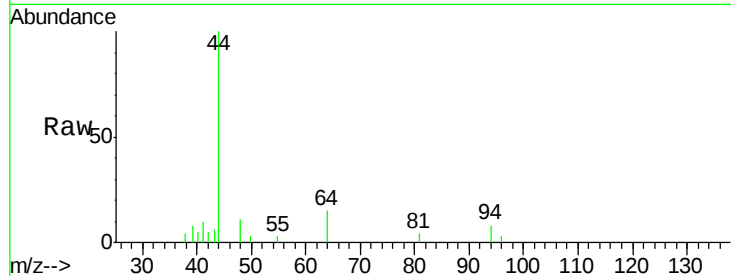
ClientSampled :

Tot Ion: 94 Resp: 211

Ion Ratio Lower Upper

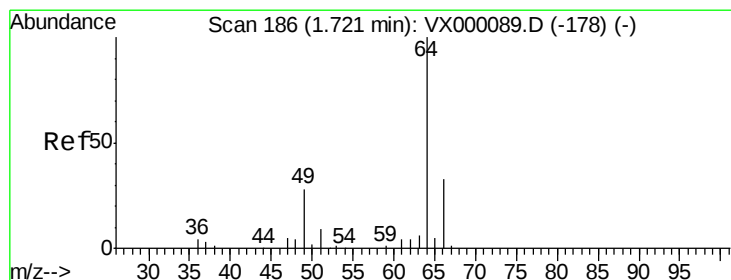
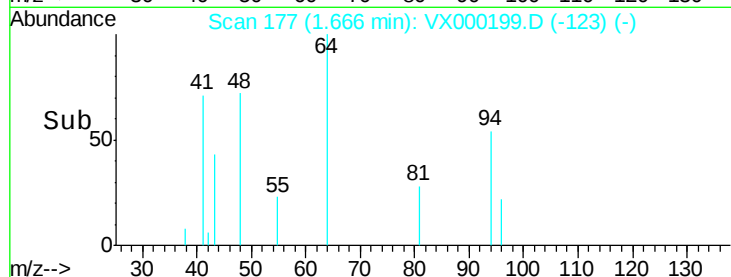
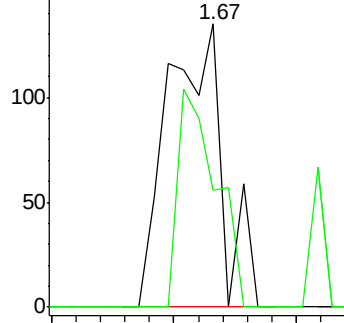
94 100

96 41.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.22 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000199.D

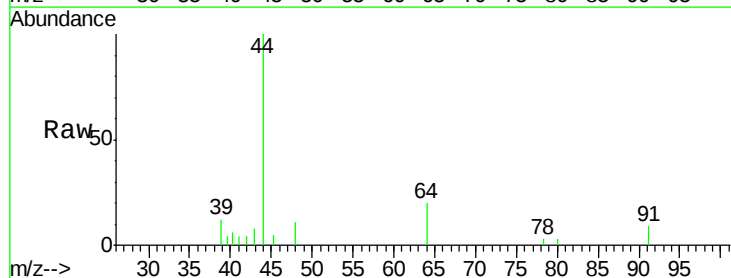
Acq: 02 Mar 2018 18:34

Tgt Ion: 64 Resp: 145

Ion Ratio Lower Upper

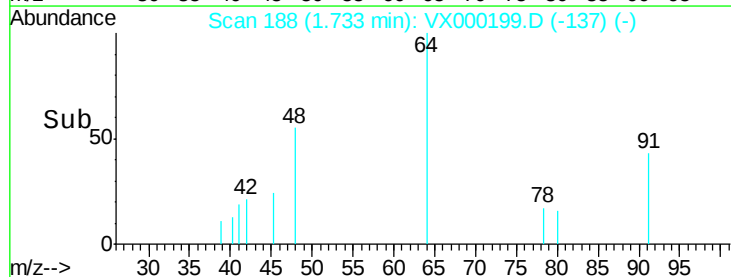
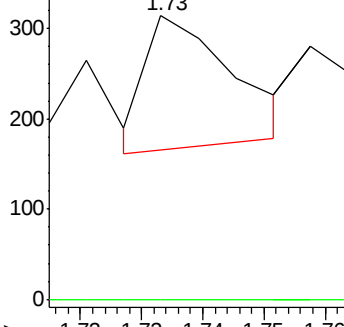
64 100

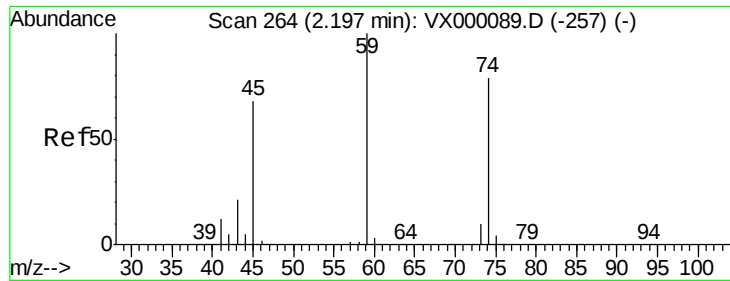
66 0.0 26.0 39.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.23 ug/l

RT: 2.20 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

Instrument :

MSVOA_X

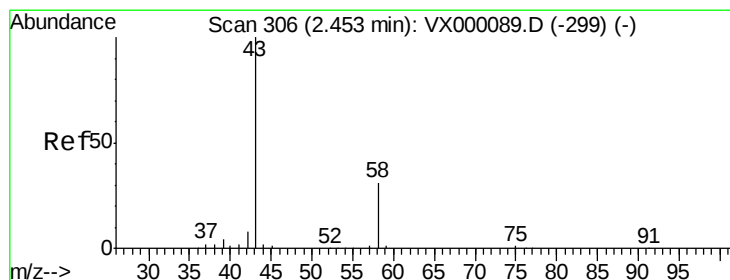
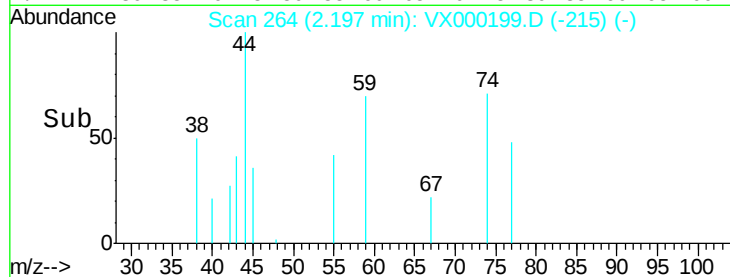
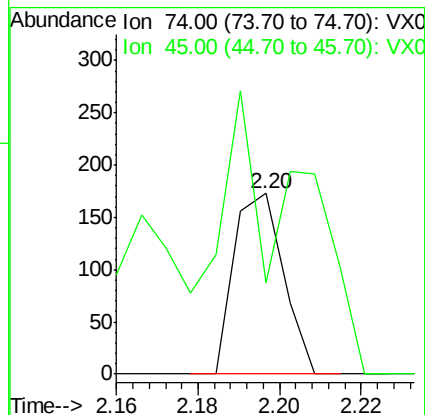
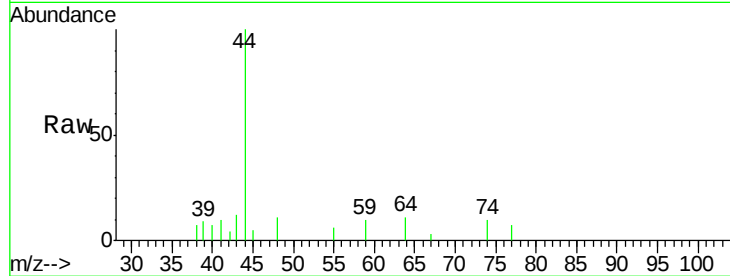
ClientSampled :

Tot Ion: 74 Resp: 145

Ion Ratio Lower Upper

74 100

45 60.0 44.7 134.1



#16

Acetone

Concen: 3.54 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000199.D

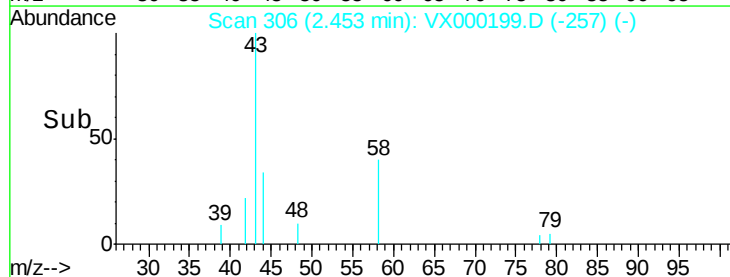
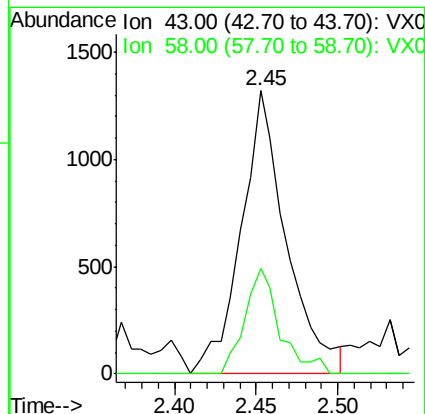
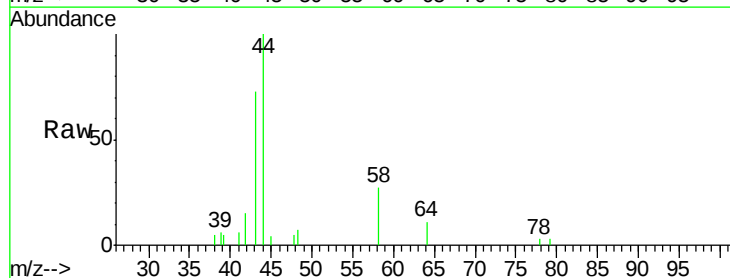
Acq: 02 Mar 2018 18:34

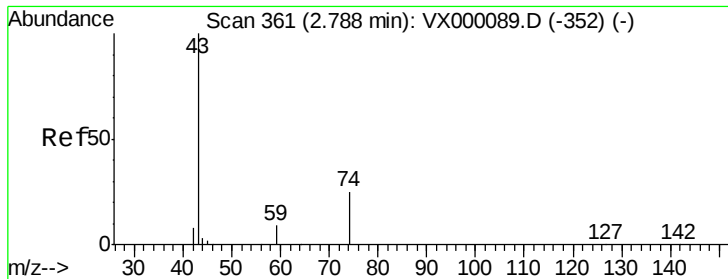
Tgt Ion: 43 Resp: 2553

Ion Ratio Lower Upper

43 100

58 37.3 25.0 37.4





#18

Methyl Acetate

Concen: 0.44 ug/l

RT: 2.79 min Scan# 362

Delta R.T. 0.01 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

Instrument :

MSVOA_X

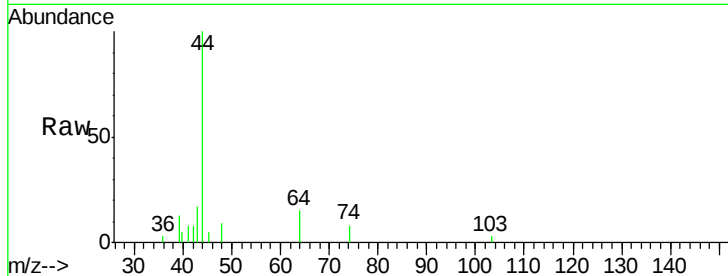
ClientSampled :

Tot Ion: 43 Resp: 747

Ion Ratio Lower Upper

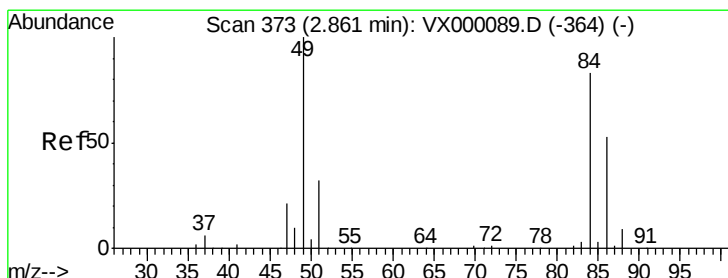
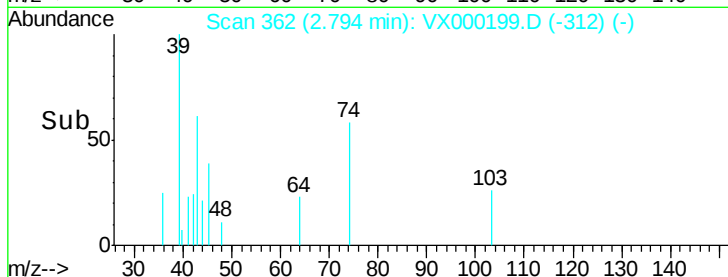
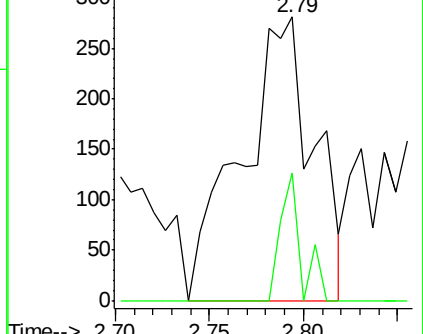
43 100

74 12.7 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

Tgt Ion: 84 Resp: 962

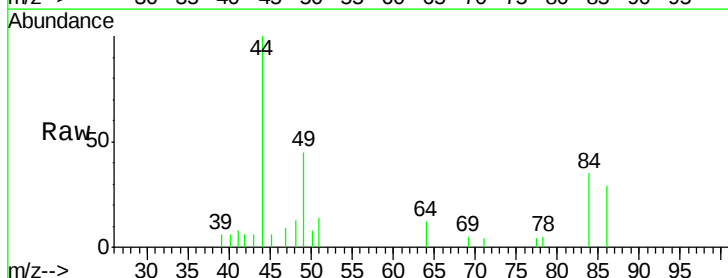
Ion Ratio Lower Upper

84 100

49 129.0 96.1 144.1

51 38.6 30.5 45.7

86 81.8 51.3 76.9#

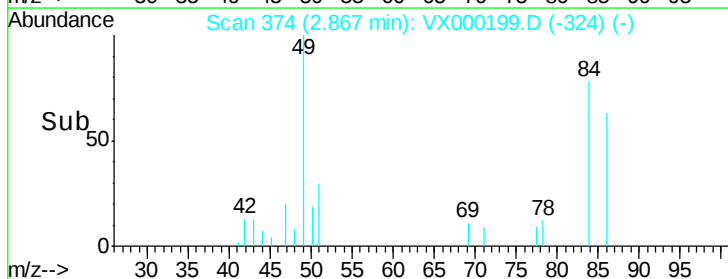
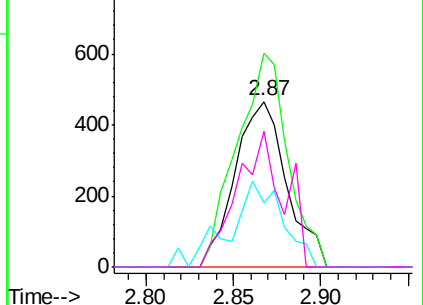


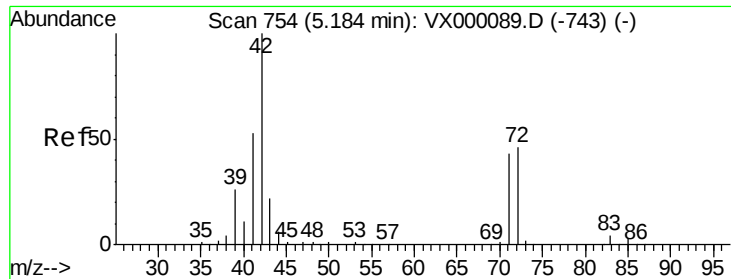
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

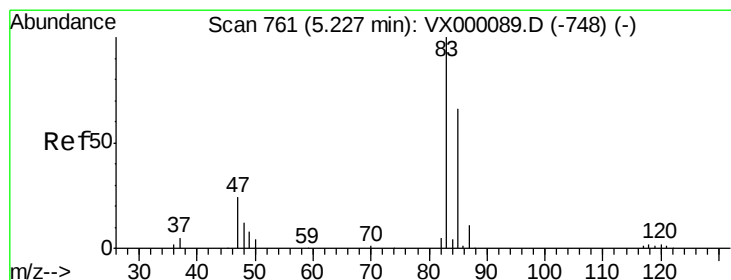
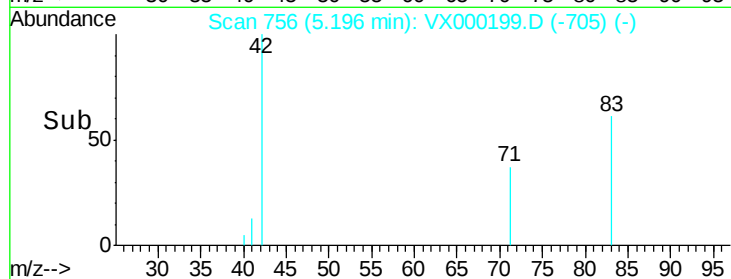
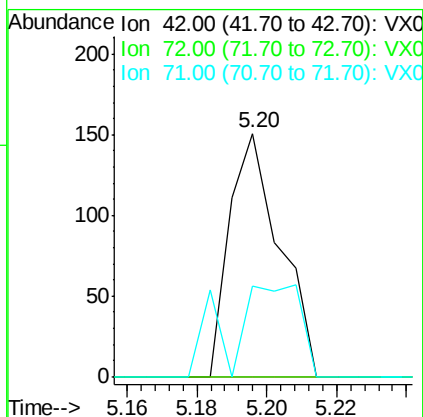
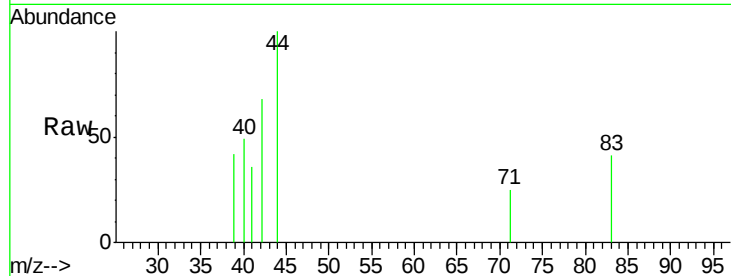




#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.01 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

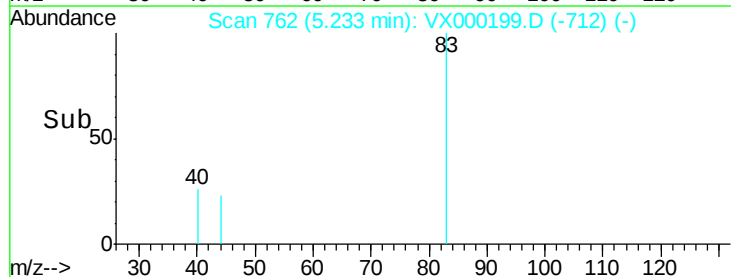
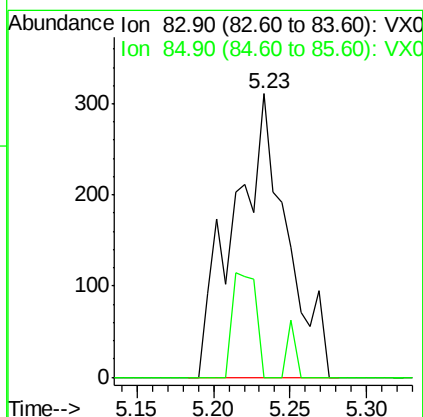
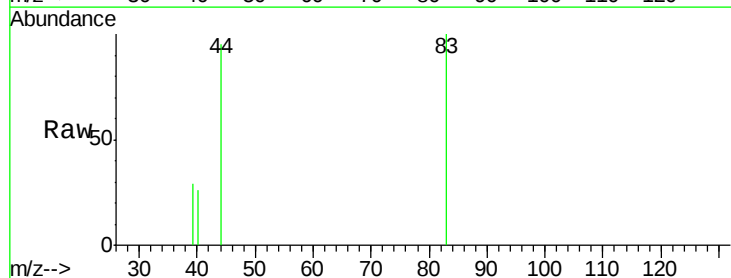
Instrument :
MSVOA_X
ClientSampled :

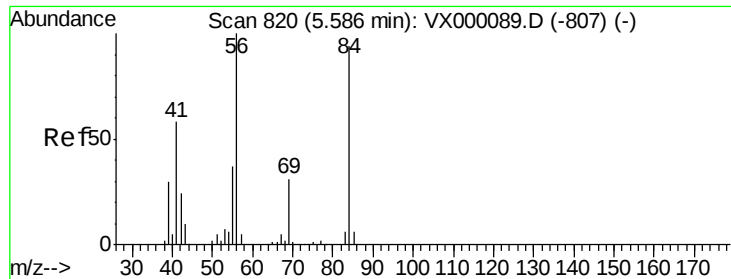
Tot Ion: 42 Resp: 151
Ion Ratio Lower Upper
42 100
72 0.0 38.6 58.0#
71 53.0 36.2 54.4



#30
Chloroform
Concen: 0.44 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

Tgt Ion: 83 Resp: 744
Ion Ratio Lower Upper
83 100
85 0.0 52.7 79.1#

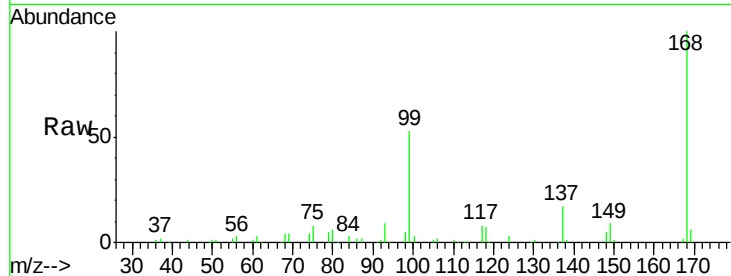




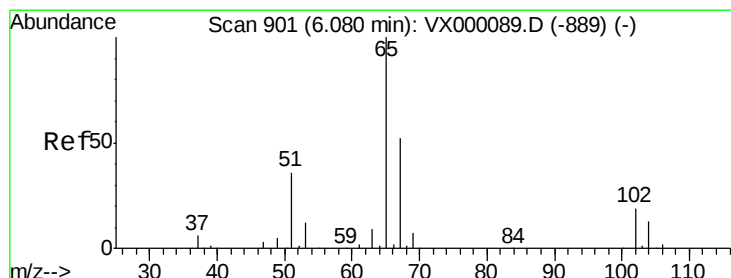
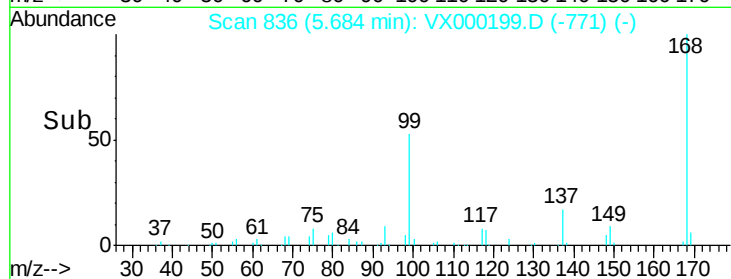
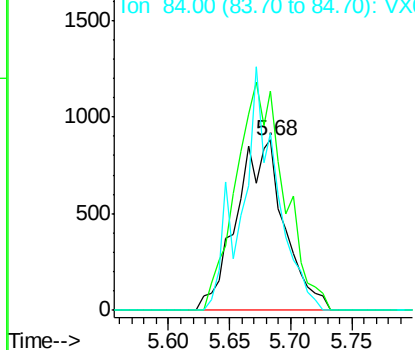
#31
Cyclohexane
Concen: 1.74 ug/l
RT: 5.68 min Scan# 836
Delta R.T. 0.10 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 2410
Ion Ratio Lower Upper
56 100
69 128.4 24.9 37.3#
84 104.1 75.0 112.4

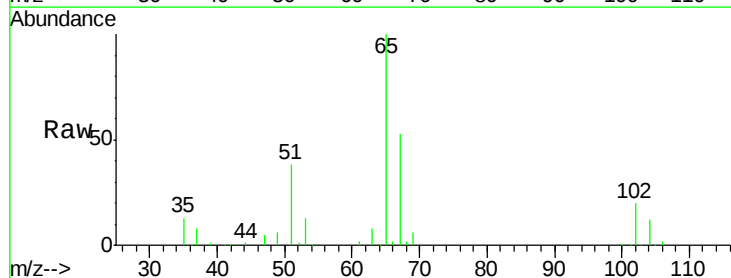


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

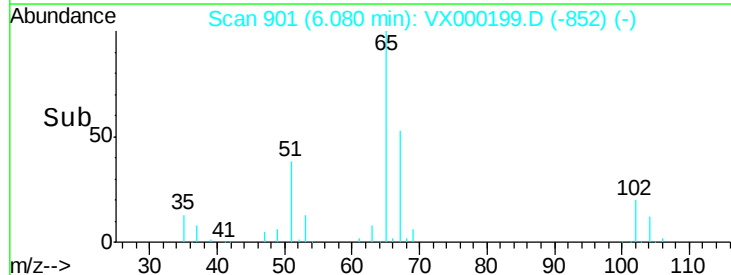
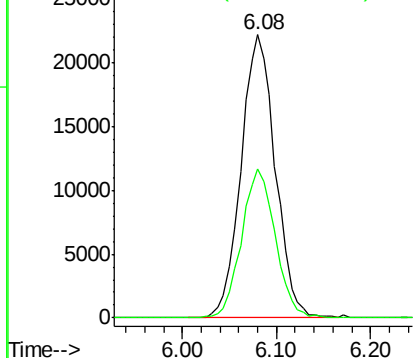


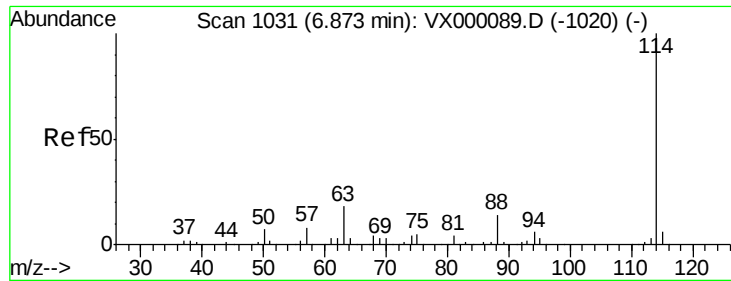
#33
1,2-Dichloroethane-d4
Concen: 50.76 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

Tgt Ion: 65 Resp: 56402
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8



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: VX000199.D

Acq: 02 Mar 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

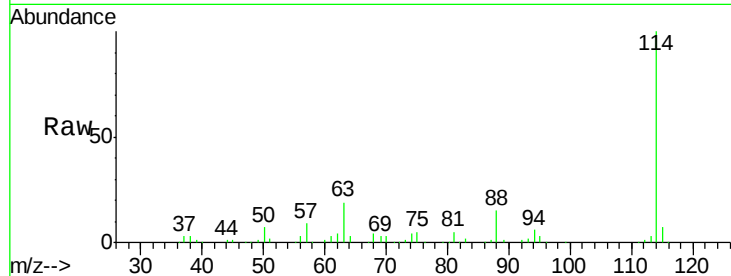
Tot Ion:114 Resp: 145697

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.4

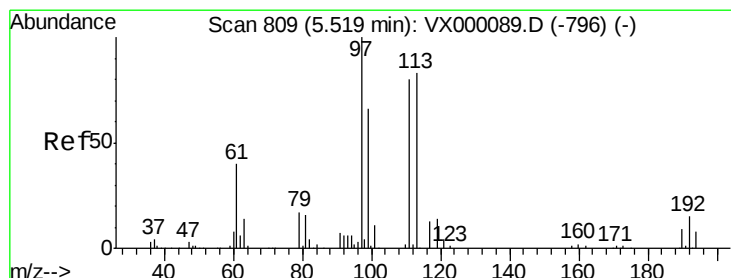
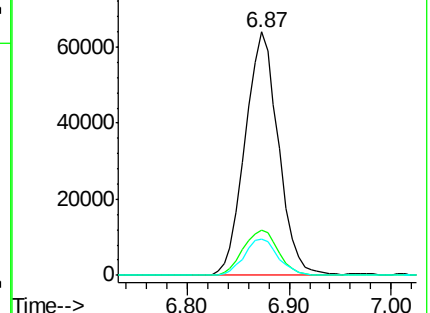
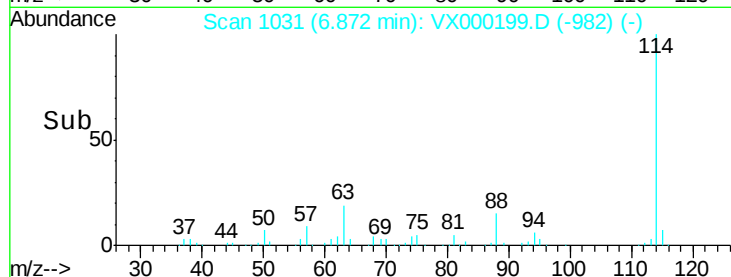
88 14.6 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.30 ug/l

RT: 5.52 min Scan# 809

Delta R.T. -0.00 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

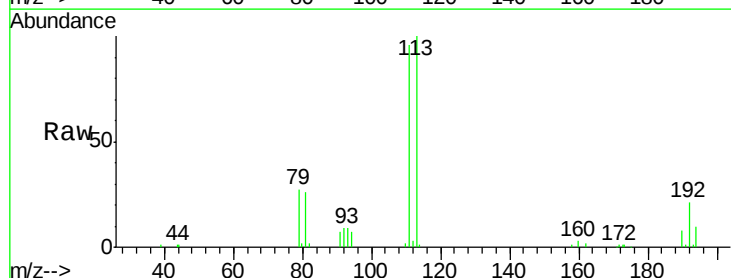
Tgt Ion:113 Resp: 42579

Ion Ratio Lower Upper

113 100

111 104.1 81.0 121.6

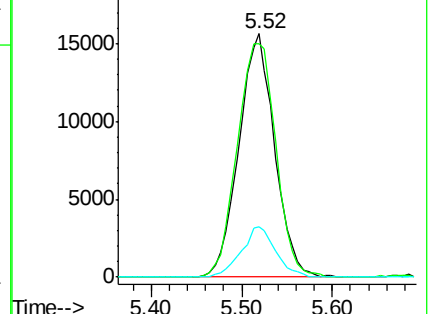
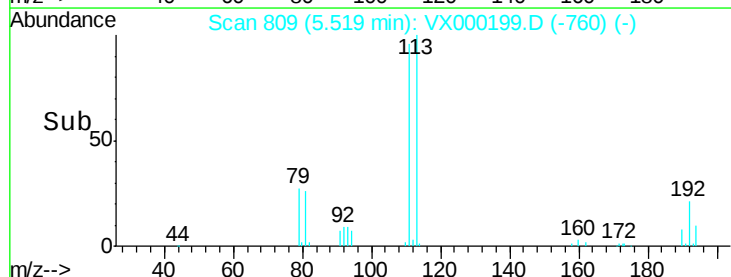
192 19.8 15.7 23.5

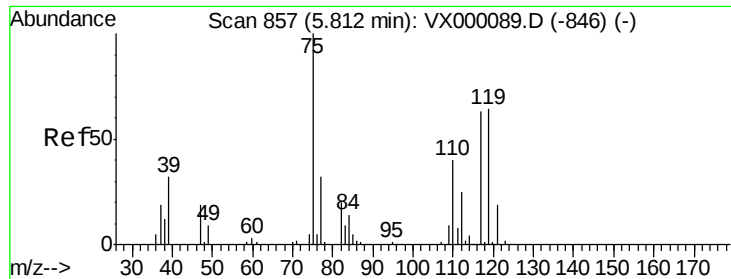


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

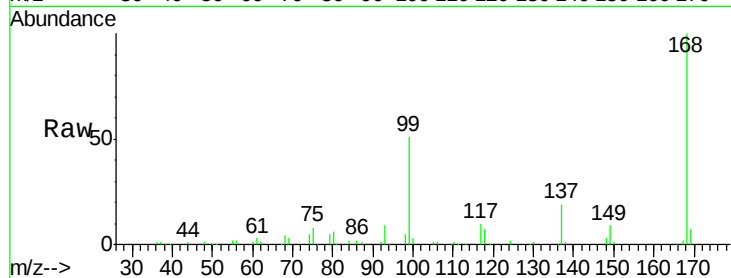




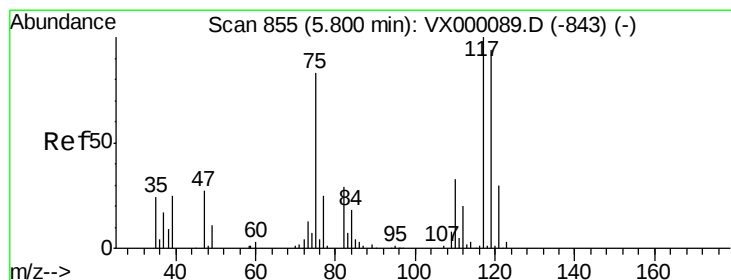
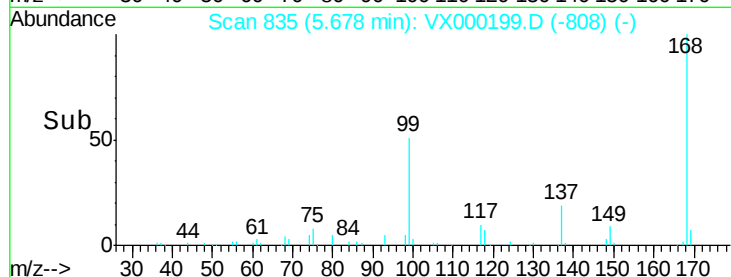
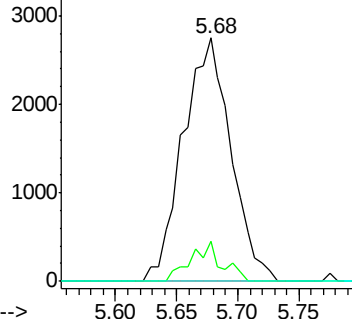
#36
 1,1-Dichloropropene
 Concen: 5.72 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000199.D
 Acq: 02 Mar 2018 18:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 7474
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.5 58.5#
 77 0.0 24.7 37.1#

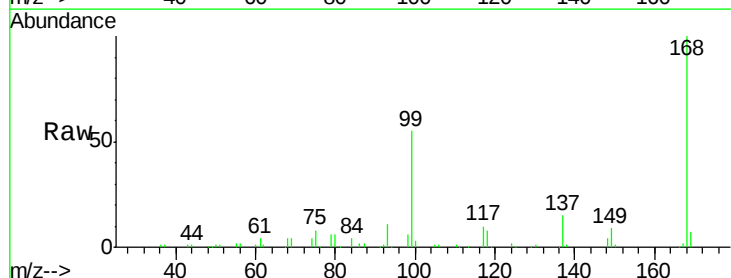


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

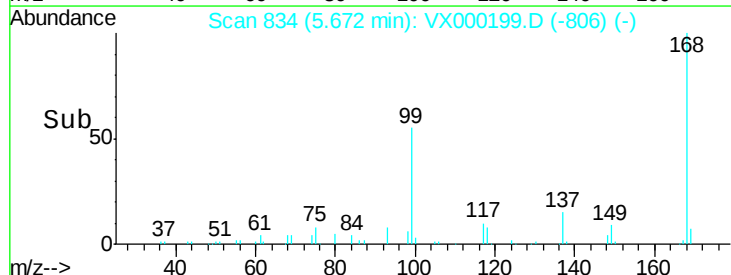
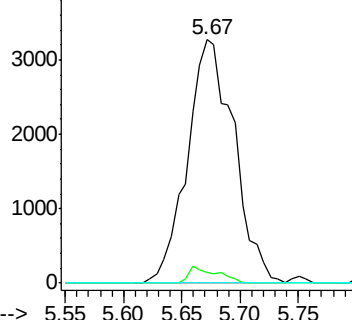


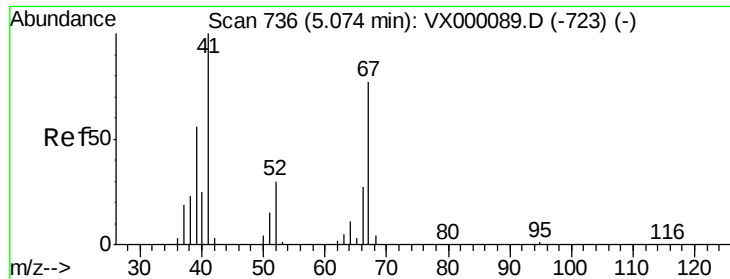
#38
 Carbon Tetrachloride
 Concen: 6.44 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000199.D
 Acq: 02 Mar 2018 18:34

Tgt Ion: 117 Resp: 9099
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.3 112.9#
 121 0.0 23.7 35.5#



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

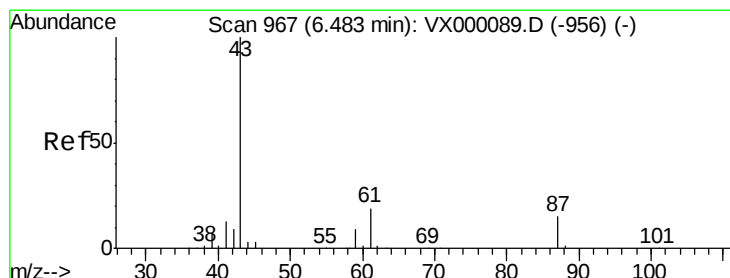
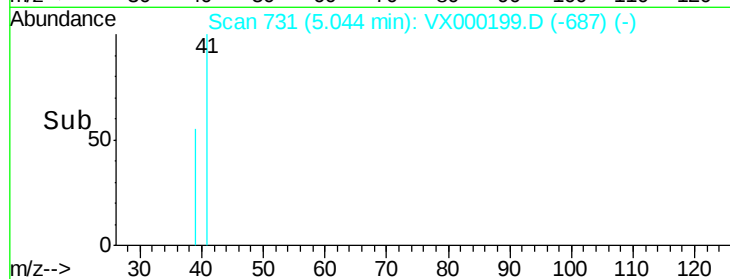
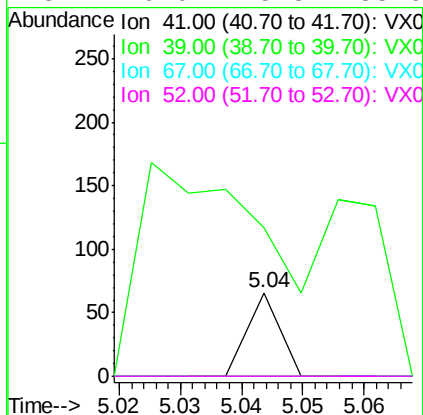
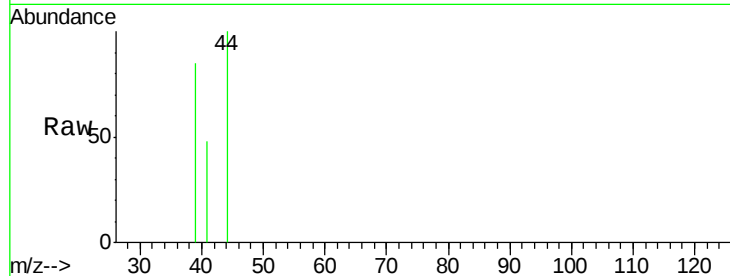




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.04 min Scan# 731
Delta R.T. -0.03 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

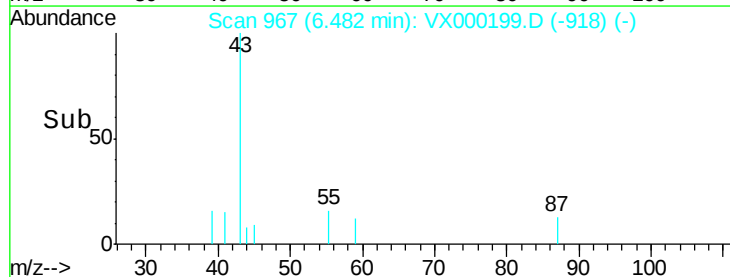
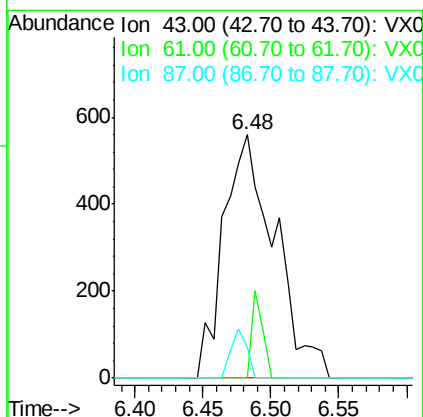
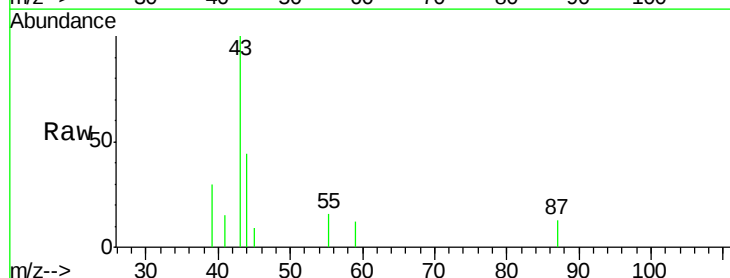
Instrument :
MSVOA_X
ClientSampled :

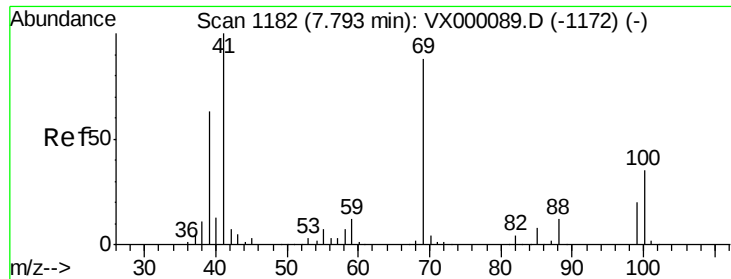
Tot Ion: 41 Resp: 24
Ion Ratio Lower Upper
41 100
39 979.2 45.1 67.7#
67 0.0 61.0 91.4#
52 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 0.57 ug/l
RT: 6.48 min Scan# 967
Delta R.T. -0.00 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

Tgt Ion: 43 Resp: 1474
Ion Ratio Lower Upper
43 100
61 7.5 15.6 23.4#
87 6.2 11.7 17.5#

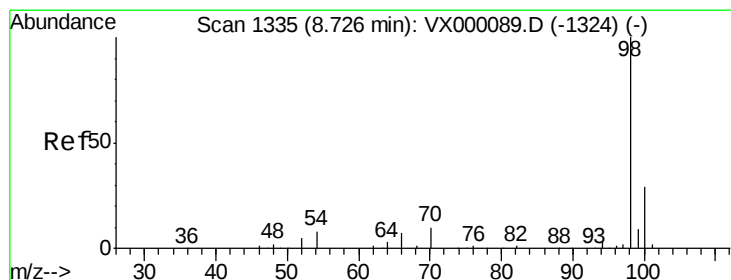
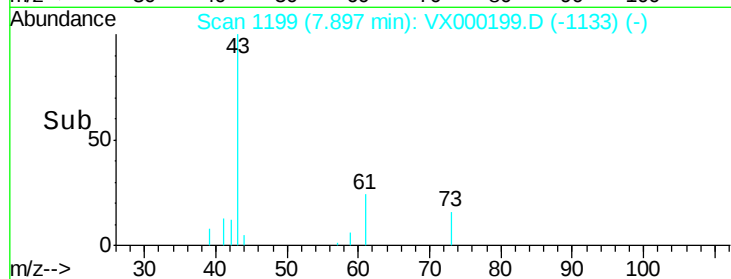
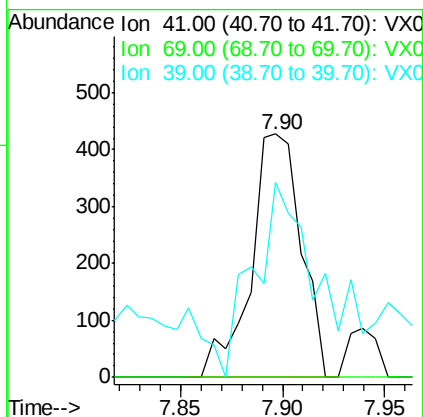
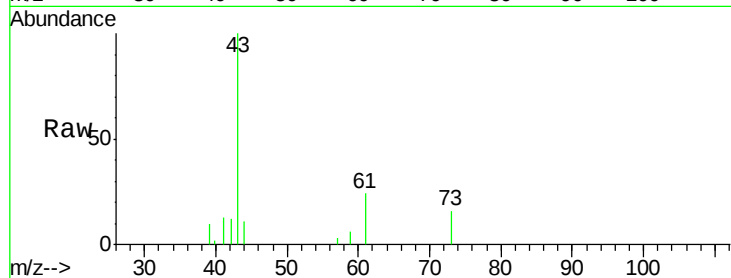




#48
Methvl methacrylate
Concen: 0.58 ug/l
RT: 7.90 min Scan# 1199
Delta R.T. 0.10 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

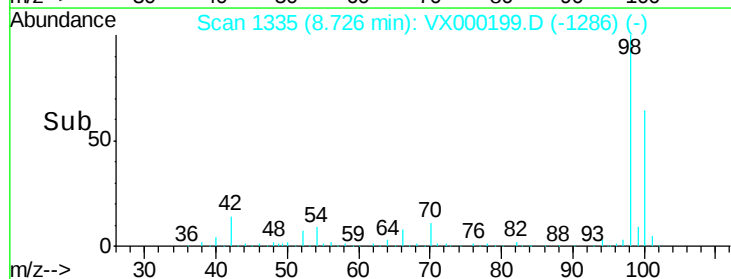
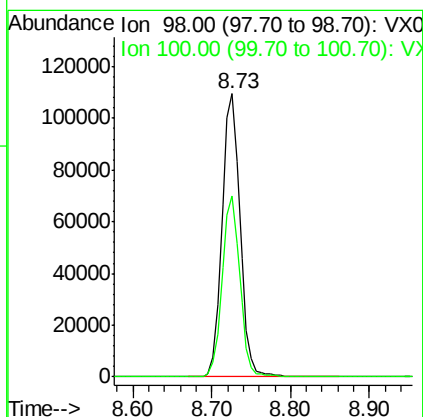
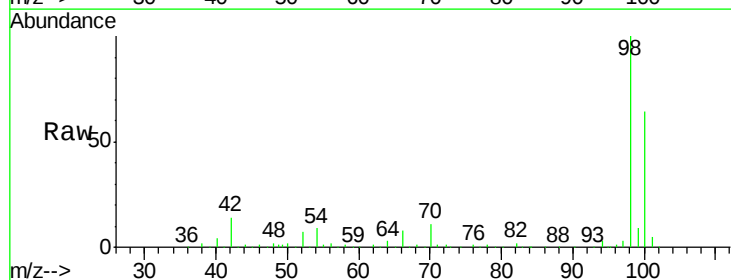
Instrument :
MSVOA_X
ClientSampled :

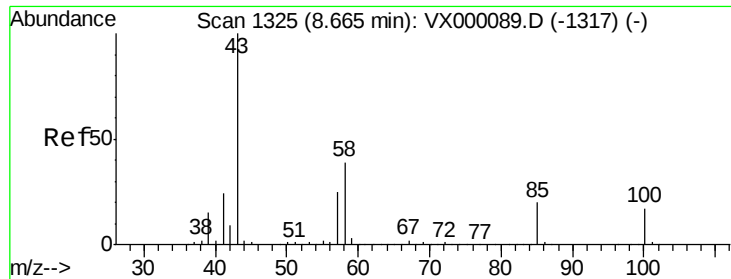
Tot Ion: 41 Resp: 734
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 108.4 51.0 76.6#



#50
Toluene-d8
Concen: 48.17 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

Tgt Ion: 98 Resp: 174717
Ion Ratio Lower Upper
98 100
100 62.8 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 0.24 ug/l

RT: 8.63 min Scan# 1319

Delta R.T. -0.04 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

Instrument :

MSVOA_X

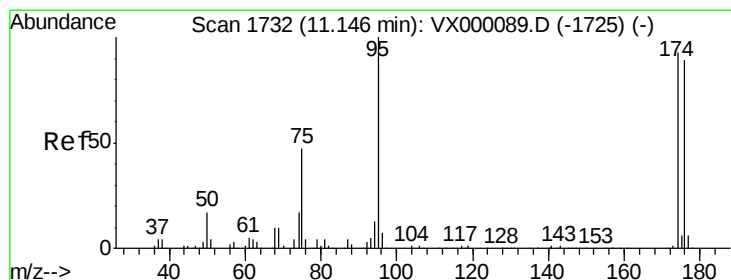
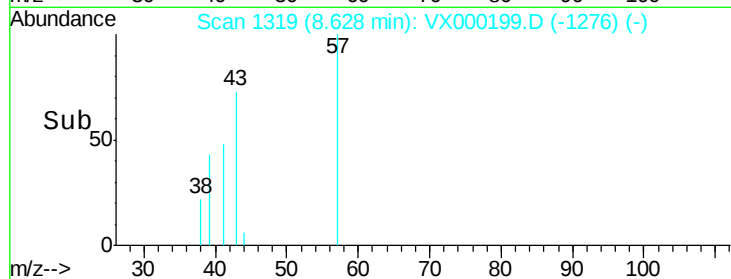
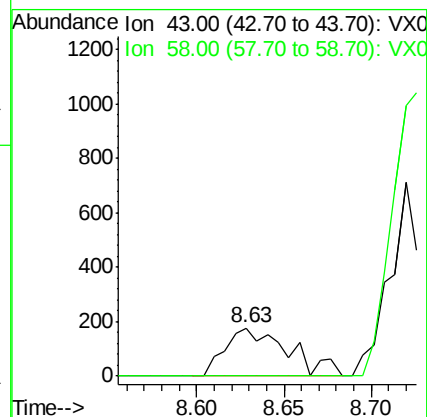
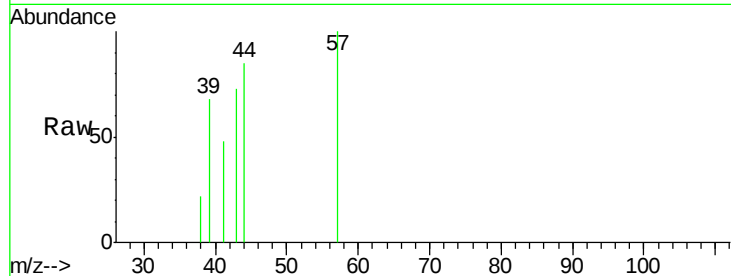
ClientSampleId :

Tot Ion: 43 Resp: 445

Ion Ratio Lower Upper

43 100

58 0.0 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 42.17 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

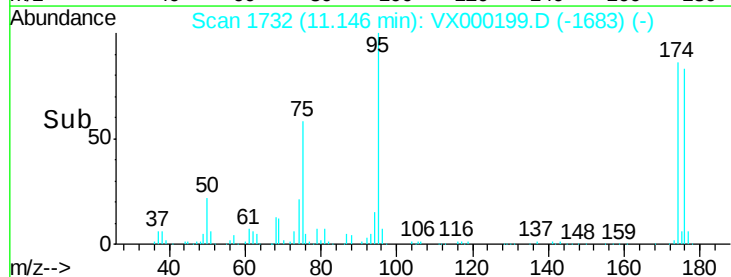
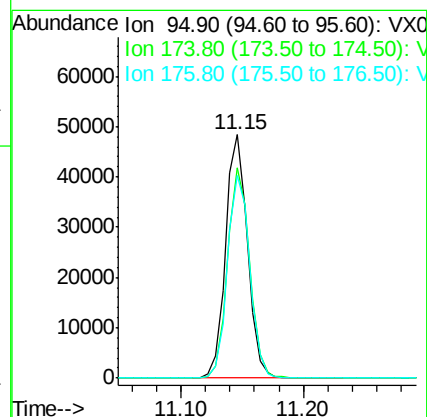
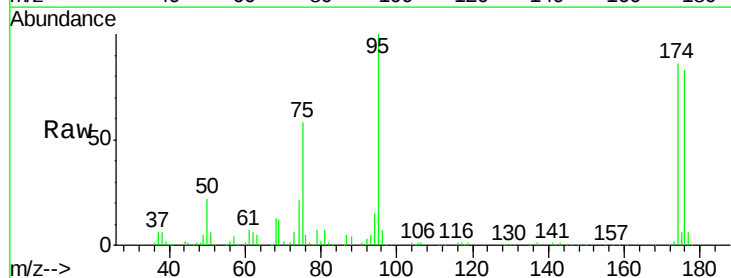
Tgt Ion: 95 Resp: 59977

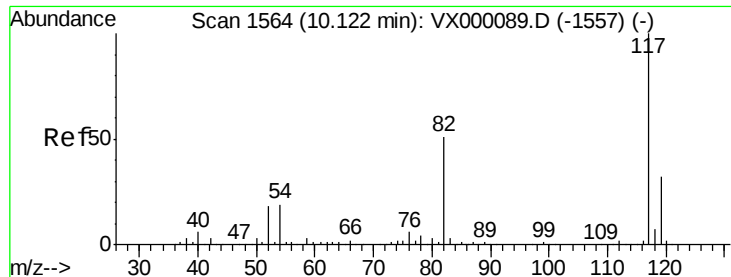
Ion Ratio Lower Upper

95 100

174 86.9 0.0 187.8

176 85.1 0.0 181.2

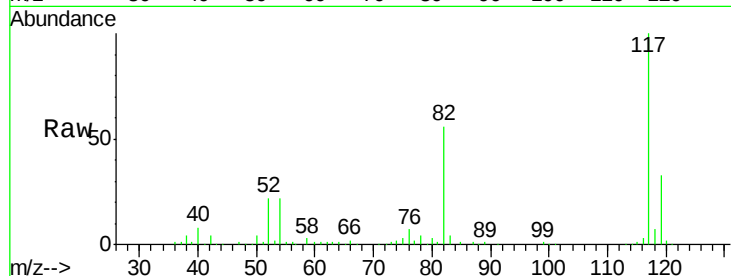




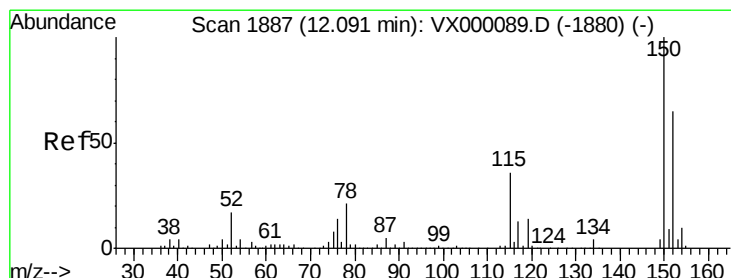
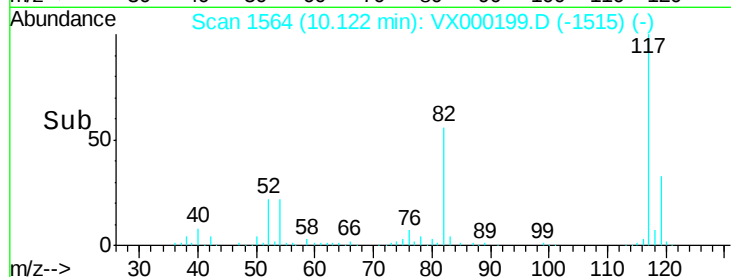
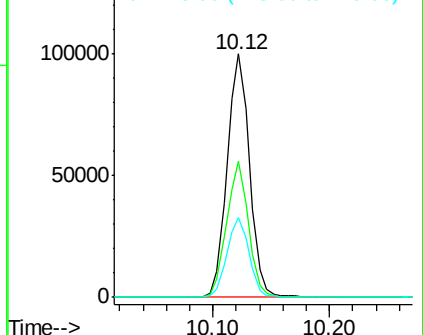
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 133546
Ion Ratio Lower Upper
117 100
82 55.8 41.0 61.6
119 32.9 25.5 38.3

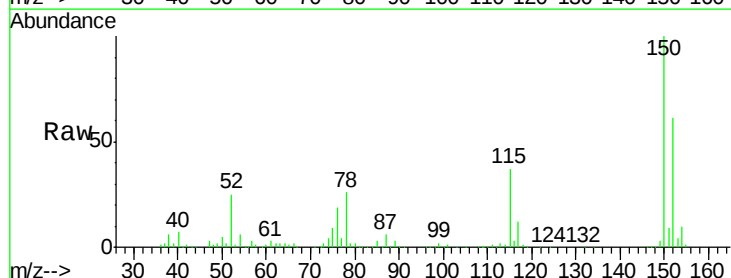


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

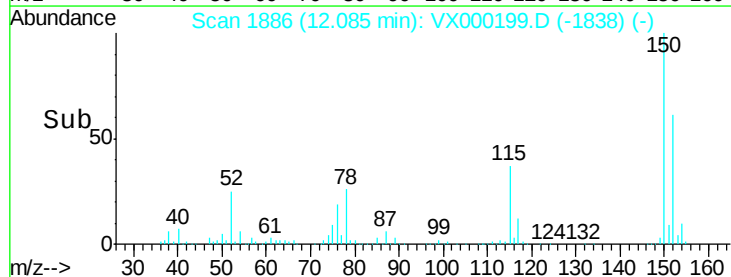
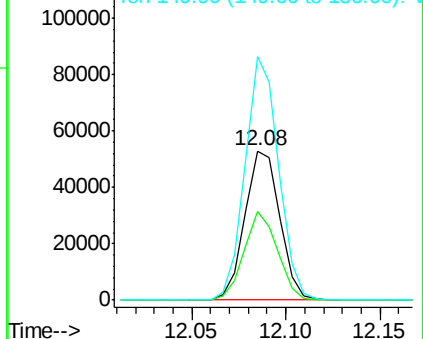


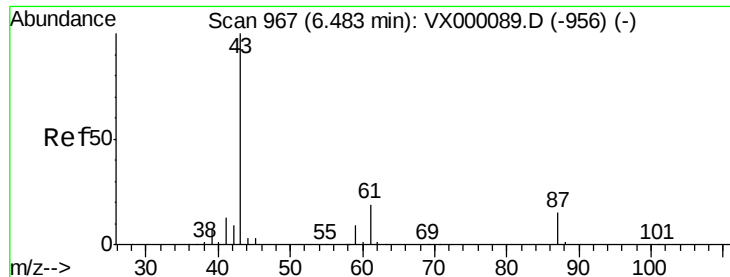
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000199.D
Acq: 02 Mar 2018 18:34

Tgt Ion:152 Resp: 67948
Ion Ratio Lower Upper
152 100
115 56.8 39.1 117.2
150 156.9 0.0 348.2



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-amvl acetate

Concen: 0.68 ug/l

RT: 6.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 1474

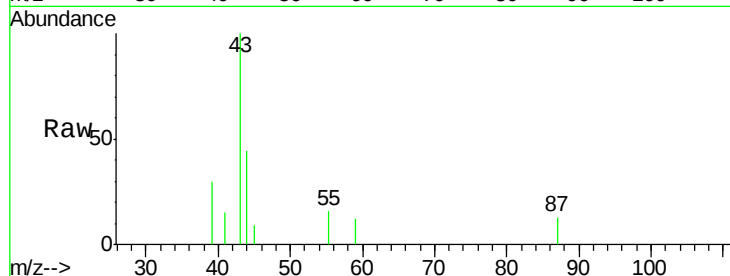
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 4.3 0.1 0.1#

61 7.5 15.6 23.4#

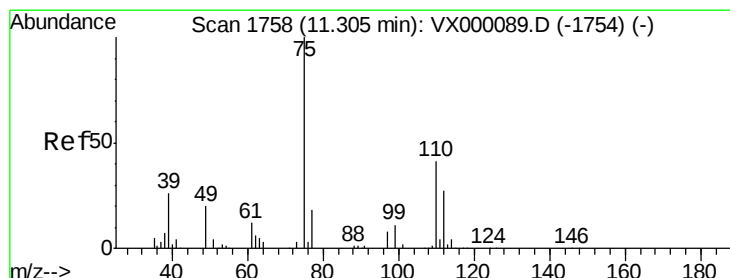
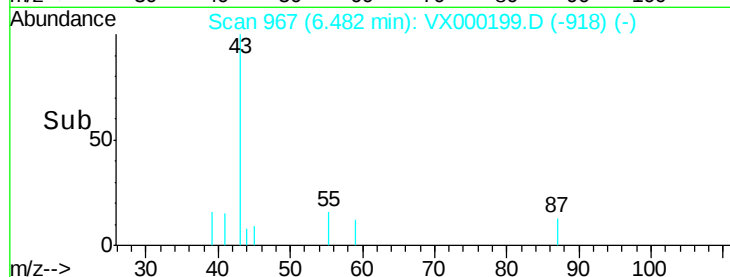
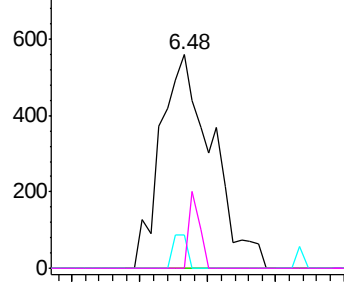


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.25 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000199.D

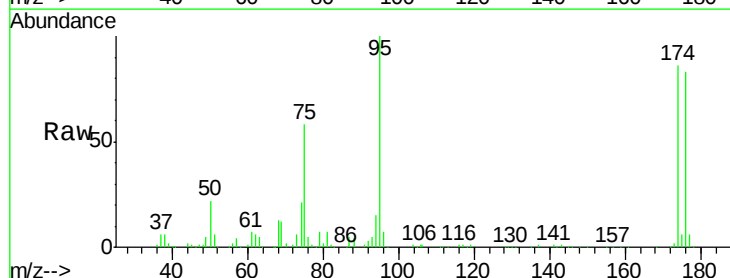
Acq: 02 Mar 2018 18:34

Tgt Ion: 75 Resp: 34127

Ion Ratio Lower Upper

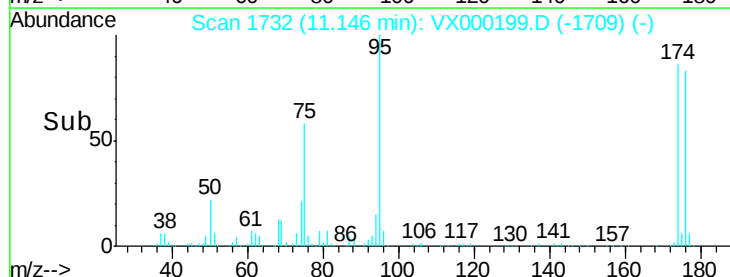
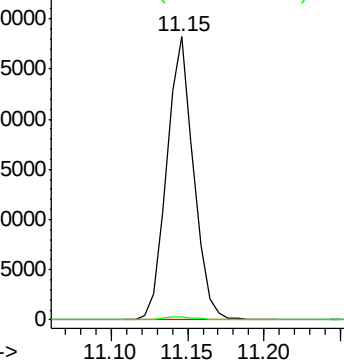
75 100

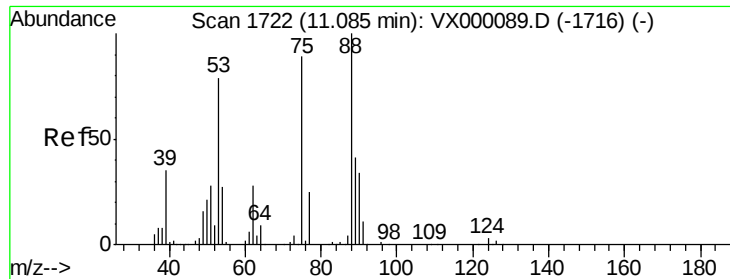
77 1.3 22.8 68.3#



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: 69.05 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

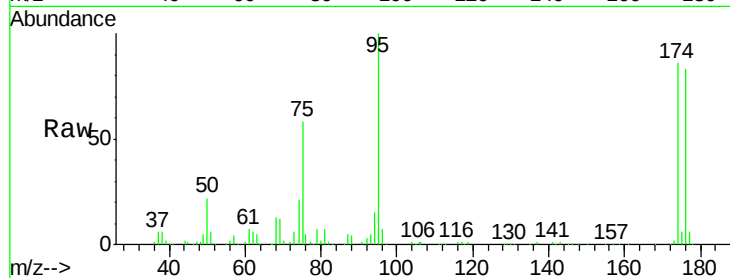
Tot Ion: 75 Resp: 34127

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

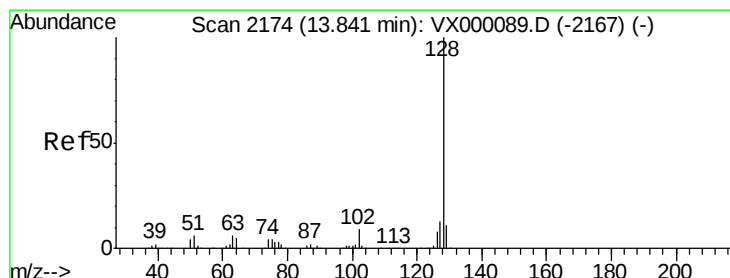
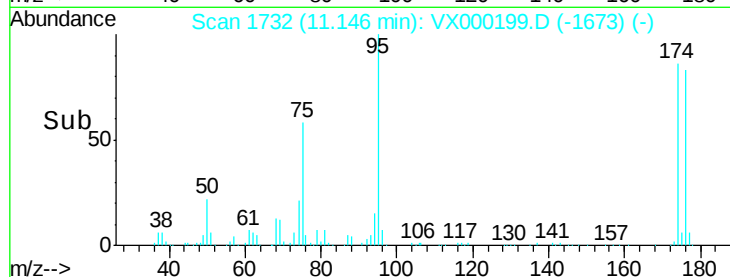
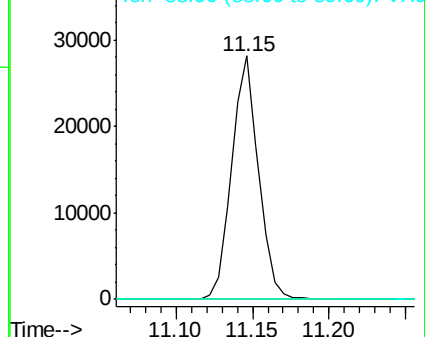
89 0.0 40.6 60.8#



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



#95

Naphthalene

Concen: 0.50 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000199.D

Acq: 02 Mar 2018 18:34

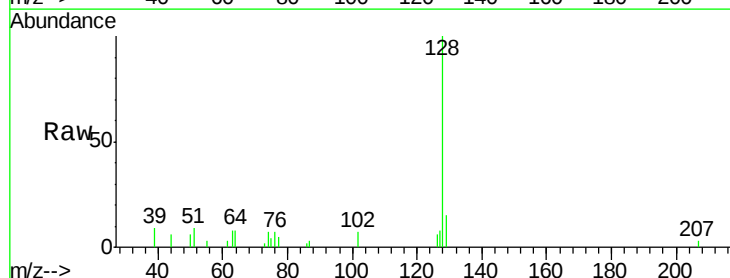
Tgt Ion: 128 Resp: 2827

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 14.8 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

