

Data File : VX000370.D
Acq On : 20 Mar 2018 19:44
Operator : JC/MD
Sample : J1979-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SP-1

Quant Time: Mar 21 04:40:03 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 20 14:01:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	102753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	176392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	168385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	80690	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	71331	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	5.52	113	55128	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	8.73	98	219433	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
62) 4-Bromofluorobenzene	11.15	95	73075	39.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.22%	

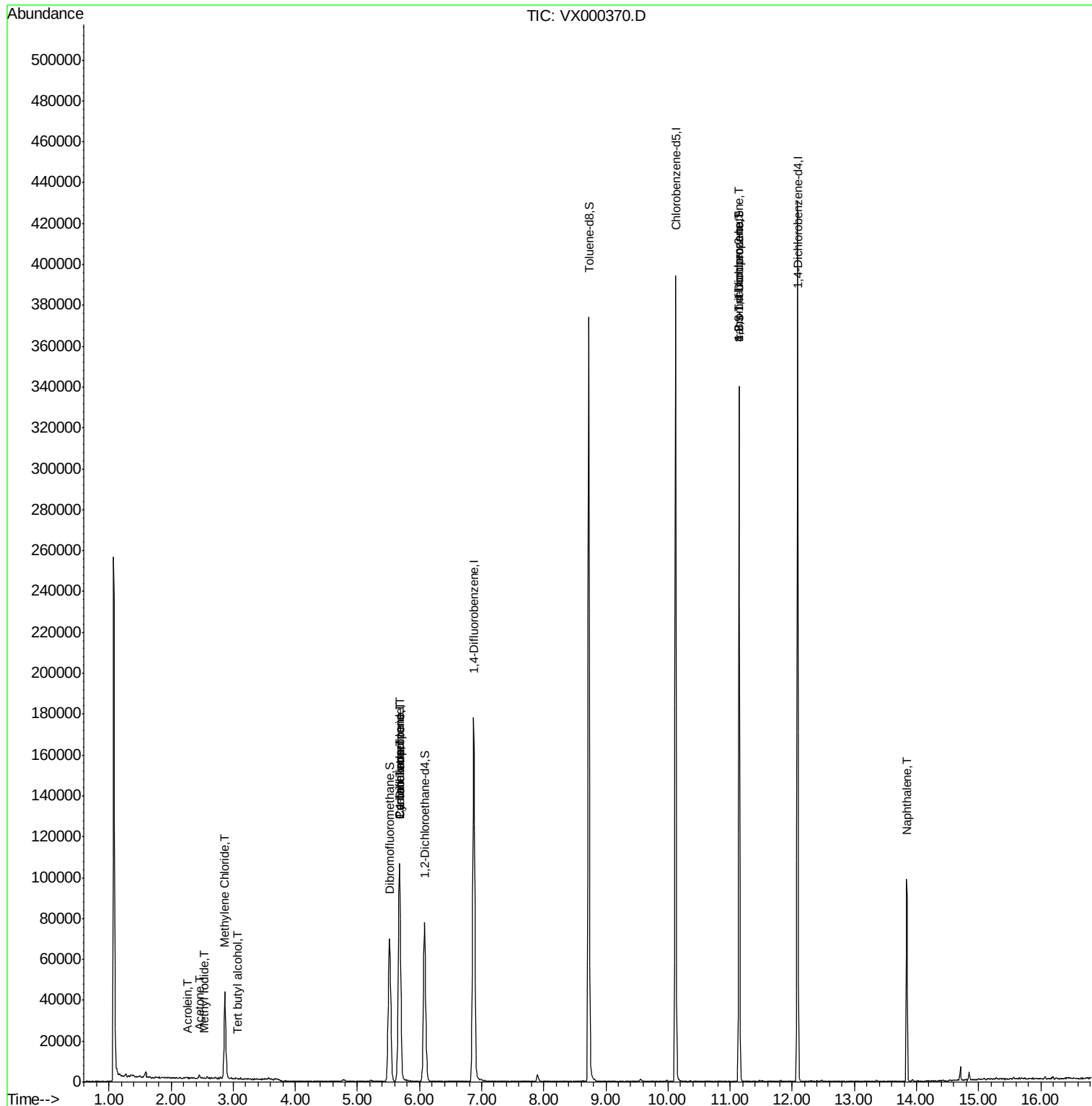
Target Compounds			Qvalue			
6) Chloroethane	1.73	64	200	Below Cal	#	44
10) Methyl Iodide	2.53	142	58	4.32	ug/l #	37
11) Tert butyl alcohol	3.07	59	103	0.22	ug/l #	72
13) Acrolein	2.27	56	41	14.84	ug/l #	13
16) Acetone	2.45	43	1790	1.60	ug/l	95
20) Methylene Chloride	2.87	84	18517	14.37	ug/l	98
31) Cyclohexane	5.67	56	2611	1.54	ug/l #	32
36) 1,1-Dichloropropene	5.67	75	8175	4.95	ug/l #	46
38) Carbon Tetrachloride	5.68	117	10108	5.83	ug/l #	14
74) N-amyl acetate	6.48	43	655	Below Cal	#	66
76) 1,2,3-Trichloropropane	11.15	75	42227	24.35	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	42227	78.84	ug/l #	9
95) Naphthalene	13.84	128	58220	8.83	ug/l	99

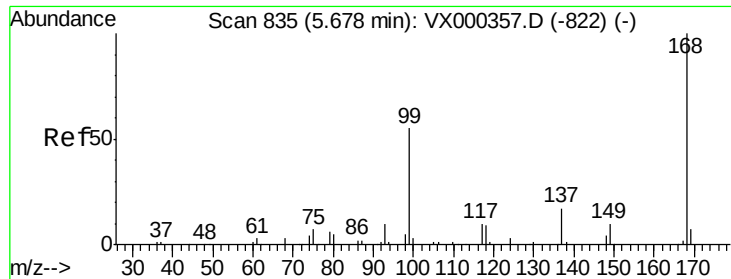
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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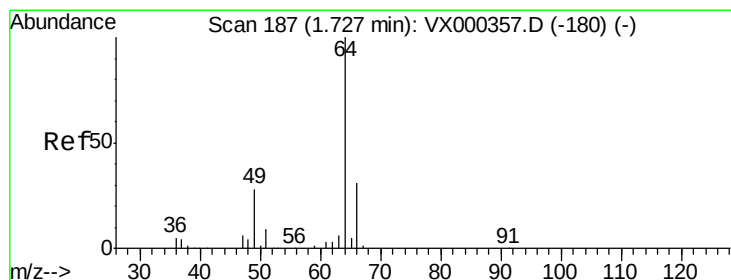
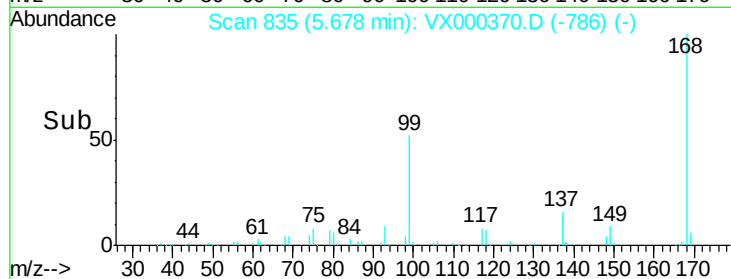
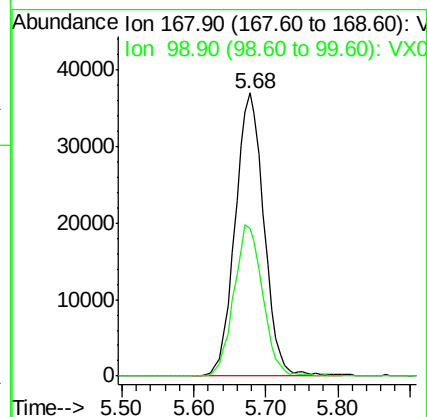
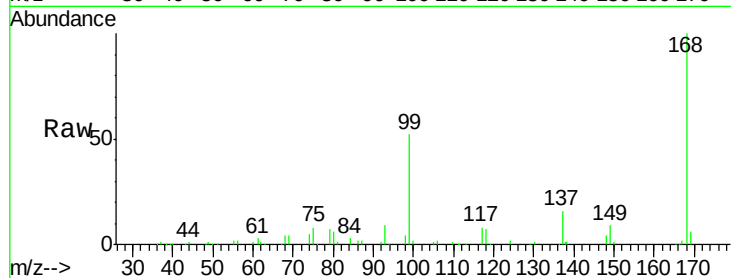




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.00 min
Lab File: VX000370.D
Acq: 20 Mar 2018 19:44

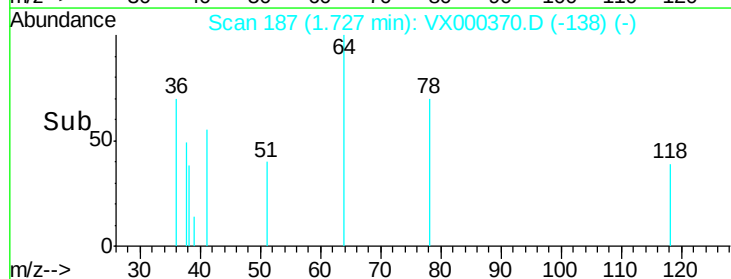
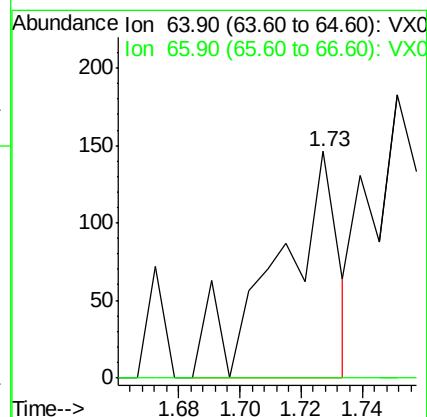
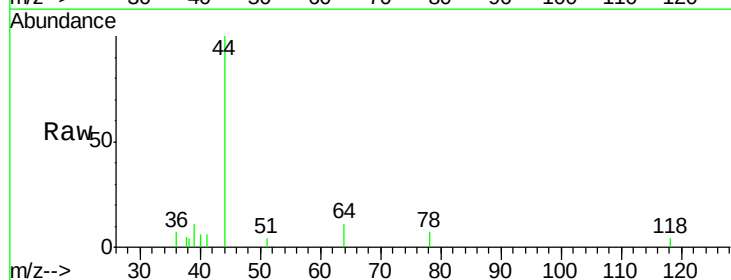
Instrument :
MSVOA_X
ClientSampled :
SP-1

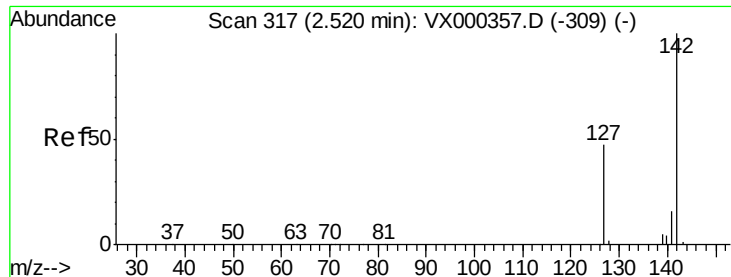
Tgt Ion:168 Resp: 102753
Ion Ratio Lower Upper
168 100
99 52.3 45.8 68.6



#6
Chloroethane
Concen: Below Cal
RT: 1.73 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX000370.D
Acq: 20 Mar 2018 19:44

Tgt Ion: 64 Resp: 200
Ion Ratio Lower Upper
64 100
66 0.0 24.8 37.2#

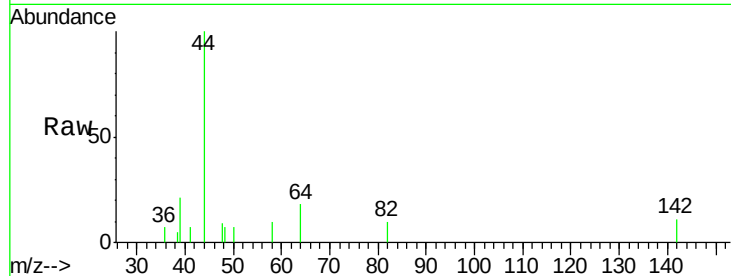




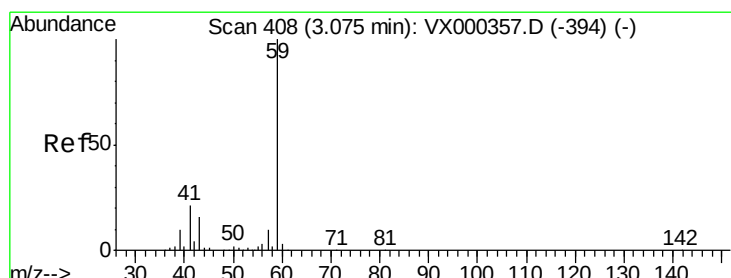
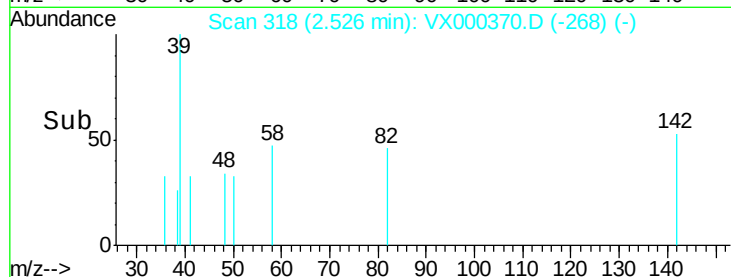
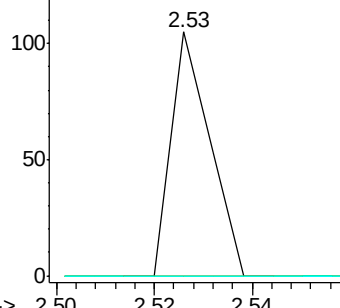
#10
Methyl Iodide
Concen: 4.32 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000370.D
Acq: 20 Mar 2018 19:44

Instrument :
MSVOA_X
ClientSampled :
SP-1

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

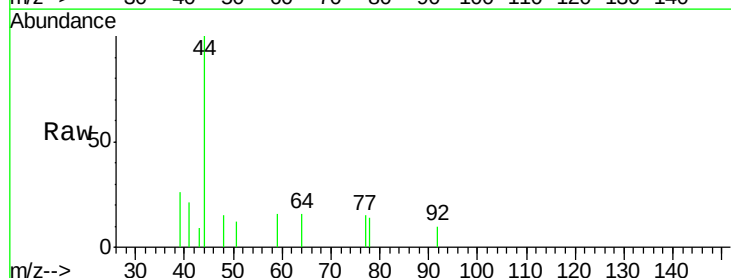


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

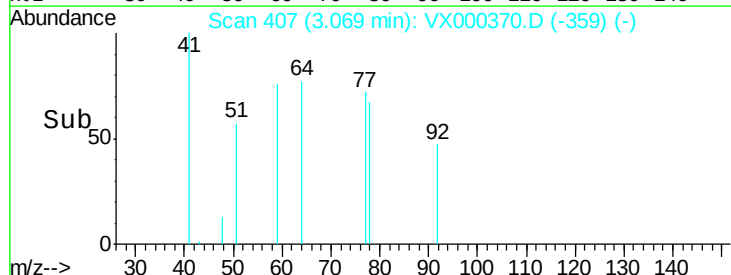
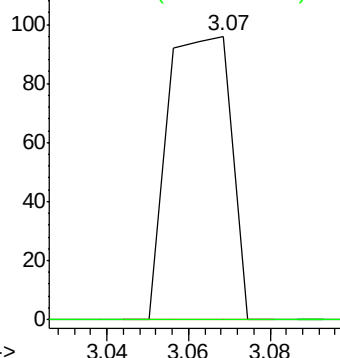


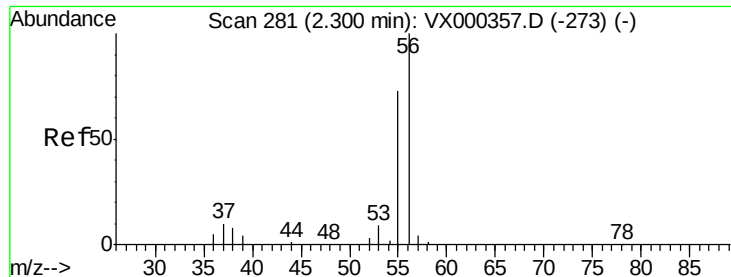
#11
Tert butyl alcohol
Concen: 0.22 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000370.D
Acq: 20 Mar 2018 19:44

Tgt Ion: 59 Resp: 103
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: 14.84 ug/l

RT: 2.27 min Scan# 276

Delta R.T. -0.03 min

Lab File: VX000370.D

Acq: 20 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

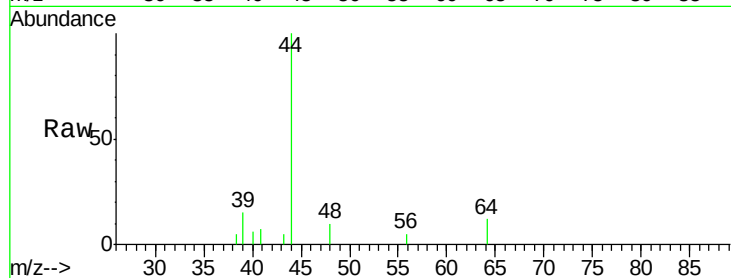
SP-1

Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

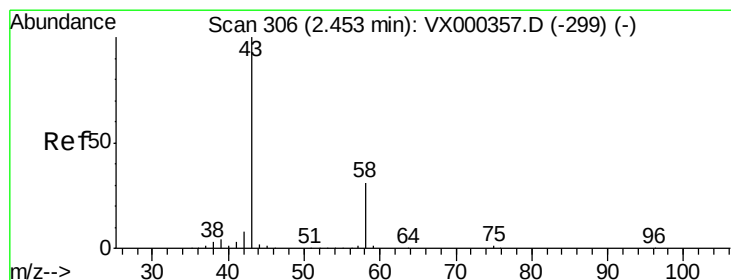
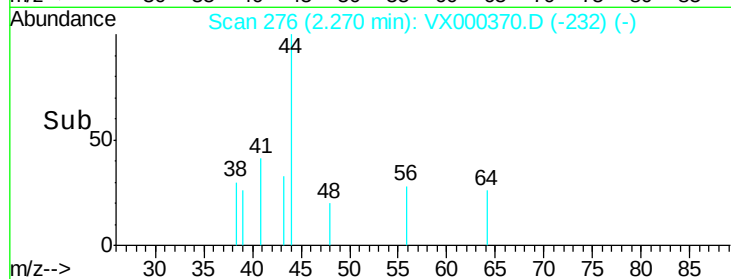
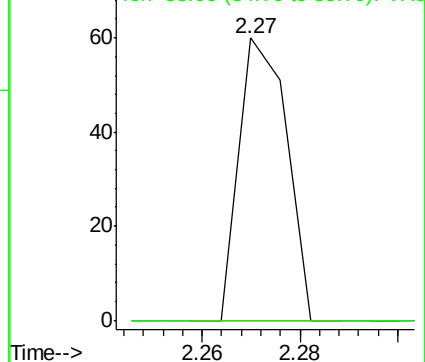
56 100

55 0.0 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: 1.60 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000370.D

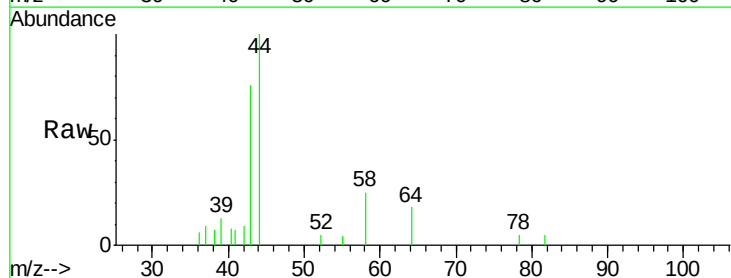
Acq: 20 Mar 2018 19:44

Tgt Ion: 43 Resp: 1790

Ion Ratio Lower Upper

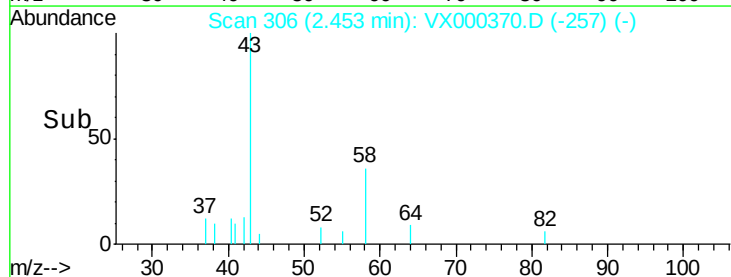
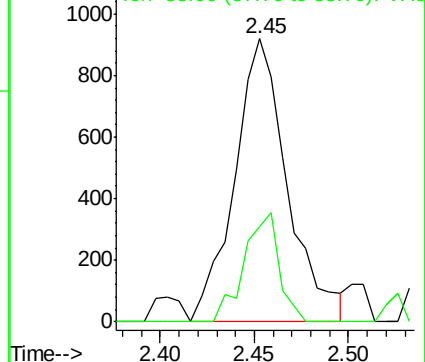
43 100

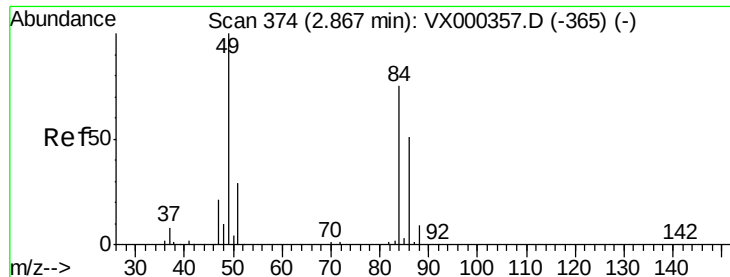
58 33.5 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

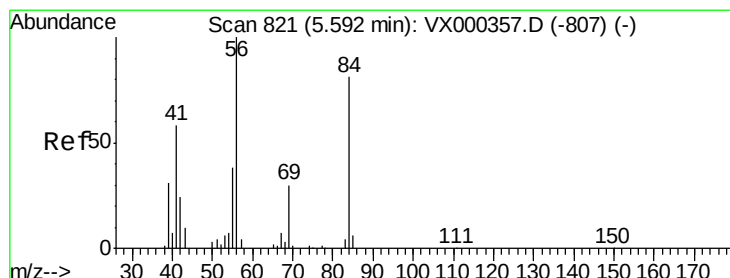
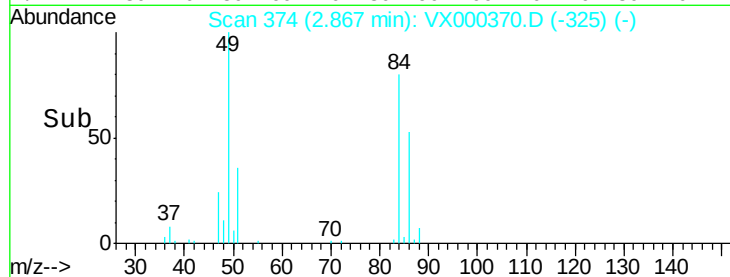
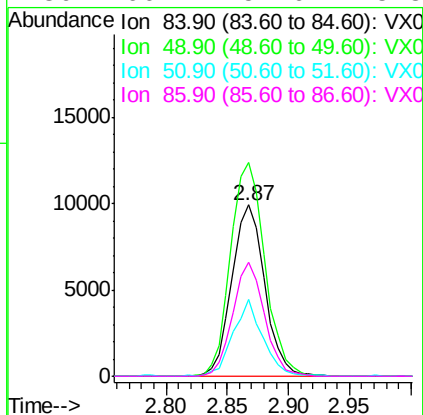
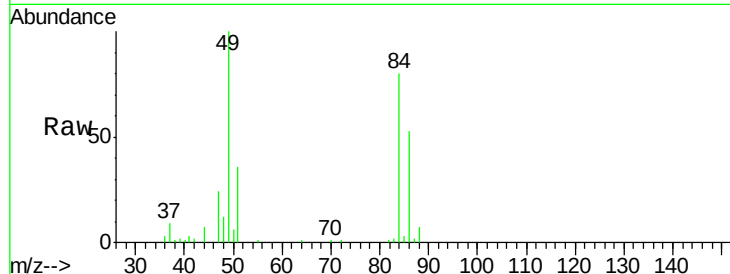




#20
Methylene Chloride
Concen: 14.37 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000370.D
Acq: 20 Mar 2018 19:44

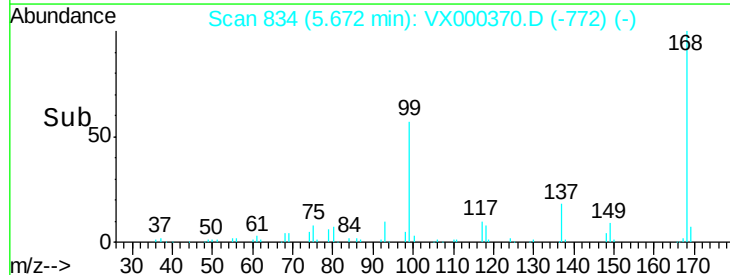
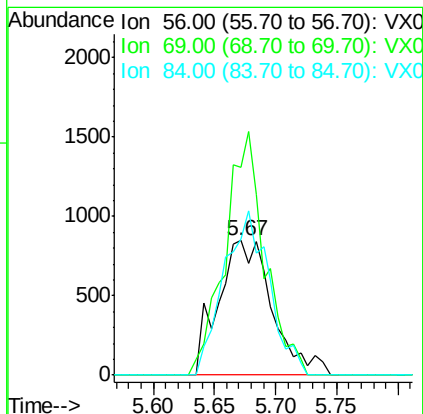
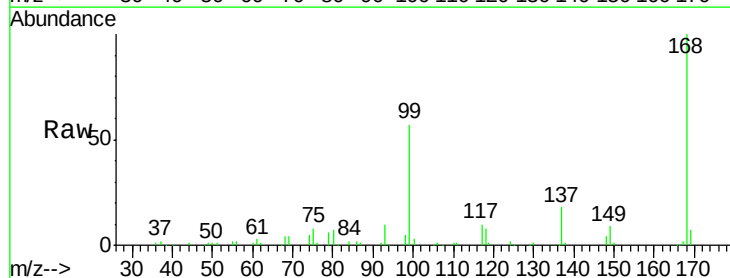
Instrument :
MSVOA_X
ClientSampleId :
SP-1

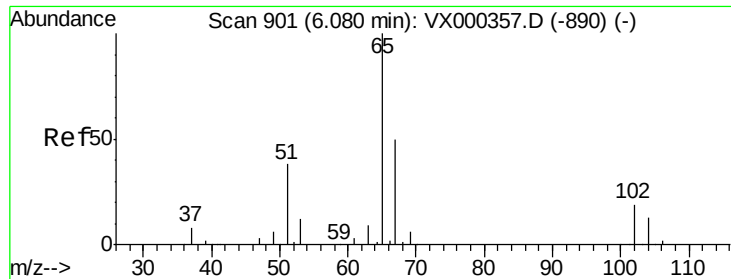
Tgt Ion: 84 Resp: 18517
Ion Ratio Lower Upper
84 100
49 124.9 100.6 151.0
51 44.7 31.6 47.4
86 66.4 52.6 78.8



#31
Cyclohexane
Concen: 1.54 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000370.D
Acq: 20 Mar 2018 19:44

Tgt Ion: 56 Resp: 2611
Ion Ratio Lower Upper
56 100
69 154.2 23.4 35.0#
84 100.8 71.0 106.4

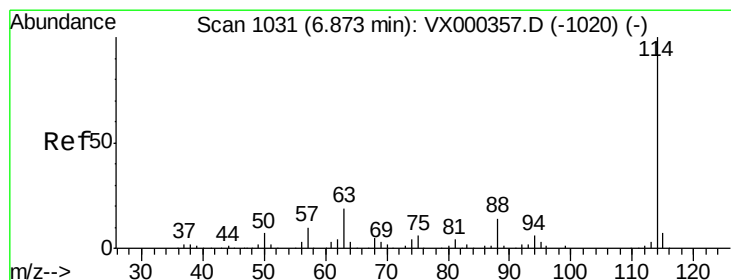
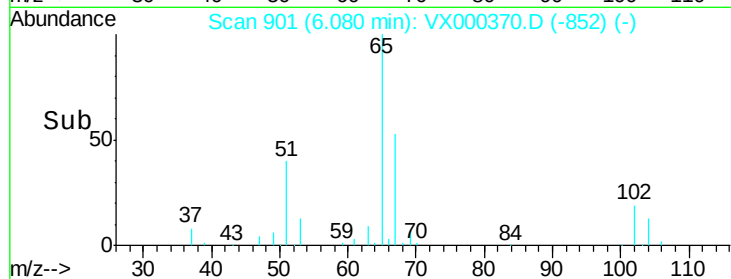
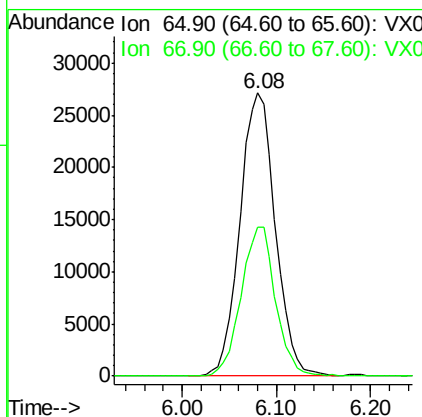
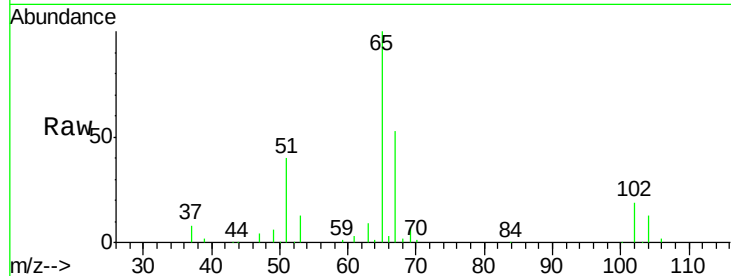




#33
 1,2-Dichloroethane-d4
 Concen: 53.18 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000370.D
 Acq: 20 Mar 2018 19:44

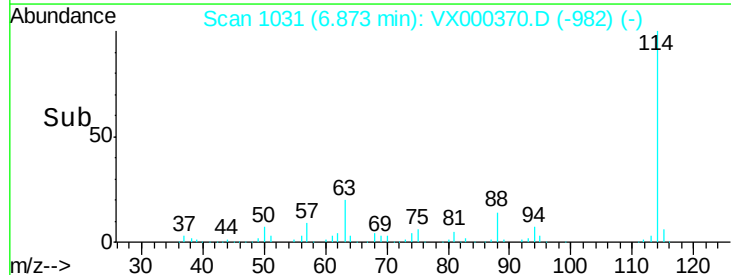
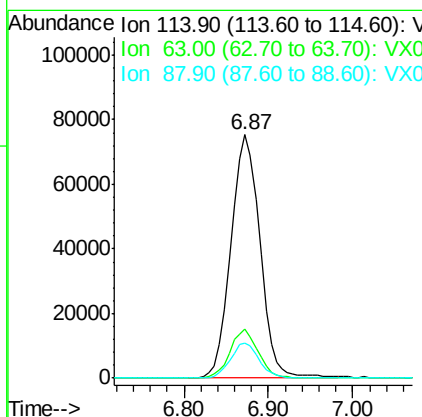
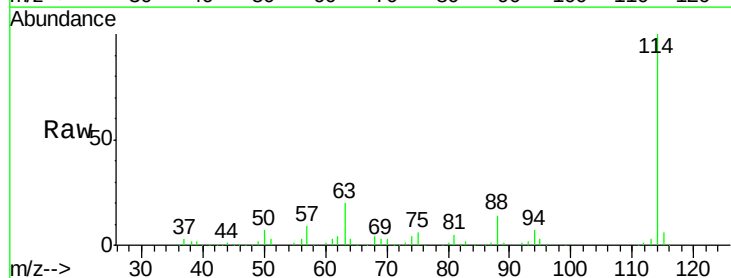
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-1

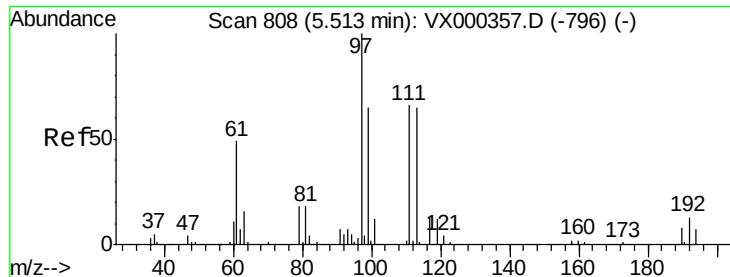
Tgt Ion: 65 Resp: 71331
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000370.D
 Acq: 20 Mar 2018 19:44

Tgt Ion: 114 Resp: 176392
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 14.2 0.0 27.0

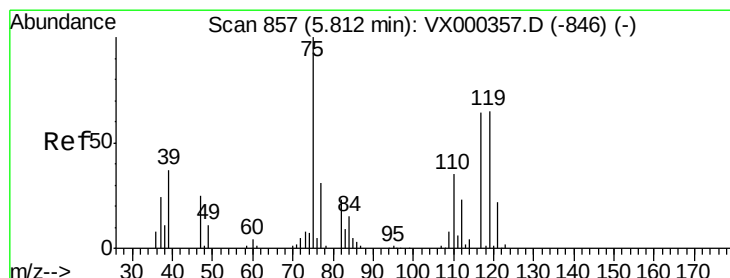
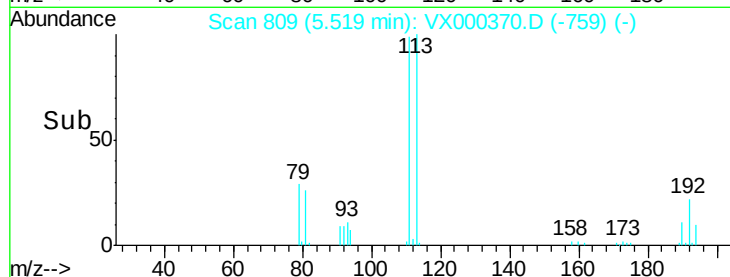
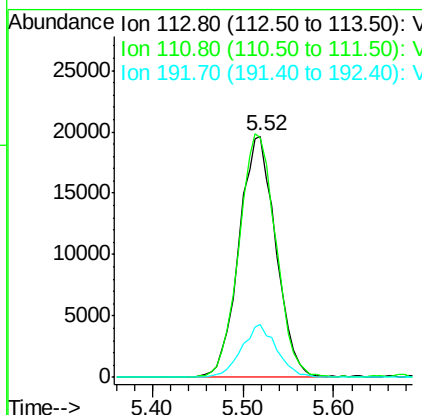
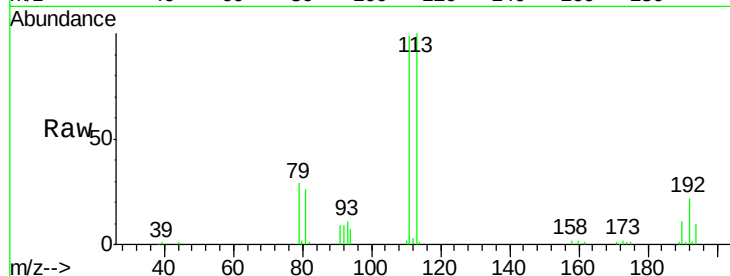




#35
 Dibromofluoromethane
 Concen: 49.60 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000370.D
 Acq: 20 Mar 2018 19:44

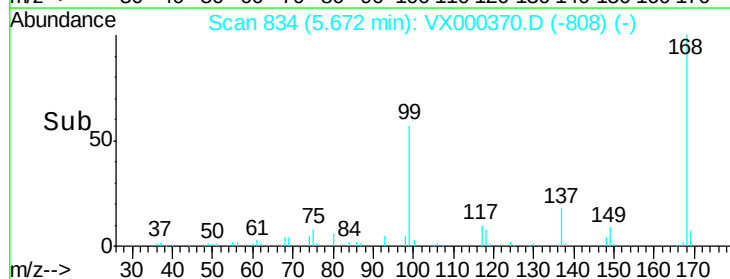
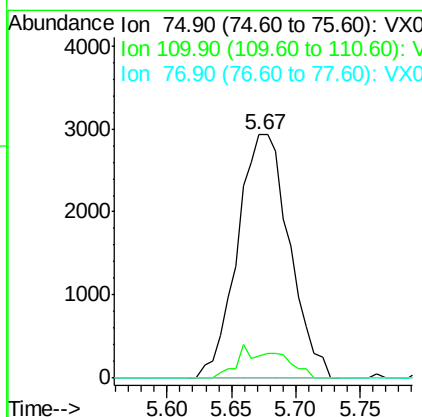
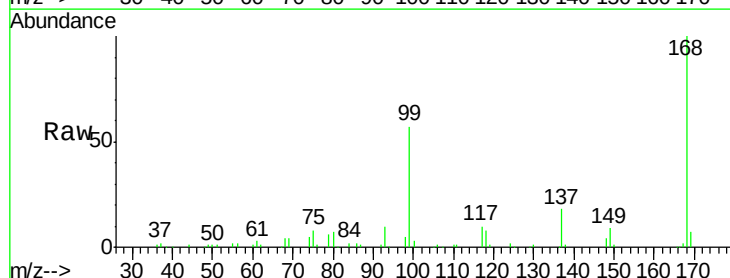
Instrument :
 MSVOA_X
 ClientSampled :
 SP-1

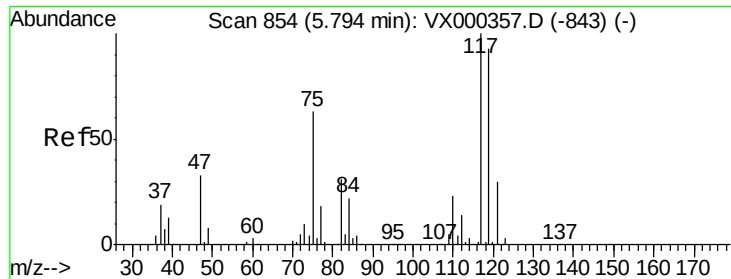
Tgt Ion:113 Resp: 55128
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.4 123.6
 192 20.8 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.95 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000370.D
 Acq: 20 Mar 2018 19:44

Tgt Ion: 75 Resp: 8175
 Ion Ratio Lower Upper
 75 100
 110 5.3 17.9 53.7#
 77 0.0 24.0 36.0#





#38

Carbon Tetrachloride

Concen: 5.83 ug/l

RT: 5.68 min Scan# 836

Delta R.T. -0.11 min

Lab File: VX000370.D

Acq: 20 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

SP-1

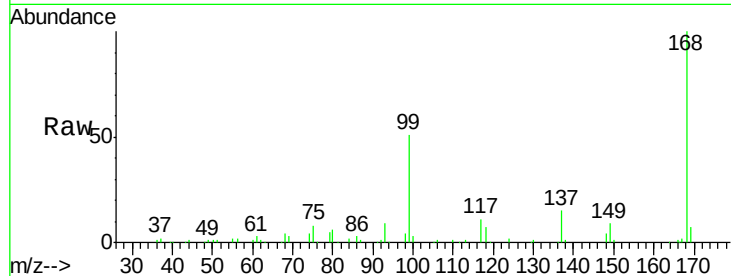
Tgt Ion:117 Resp: 10108

Ion Ratio Lower Upper

117 100

119 2.5 77.4 116.2#

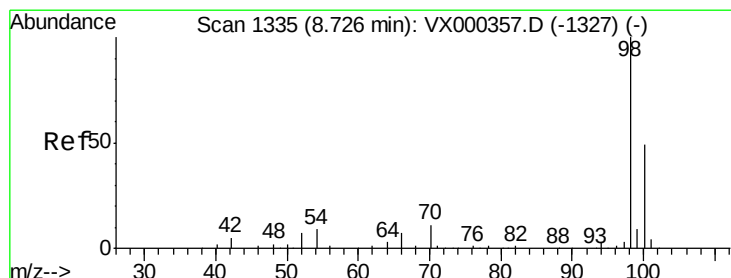
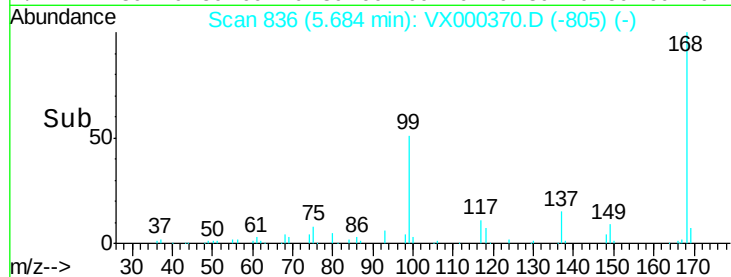
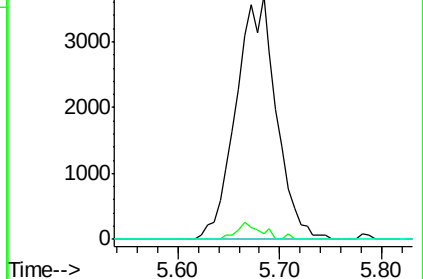
121 0.0 24.8 37.2#



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: 47.67 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000370.D

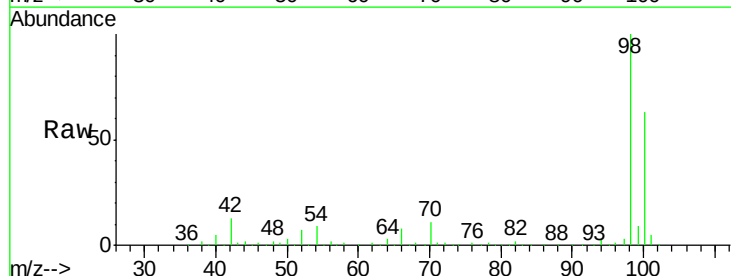
Acq: 20 Mar 2018 19:44

Tgt Ion: 98 Resp: 219433

Ion Ratio Lower Upper

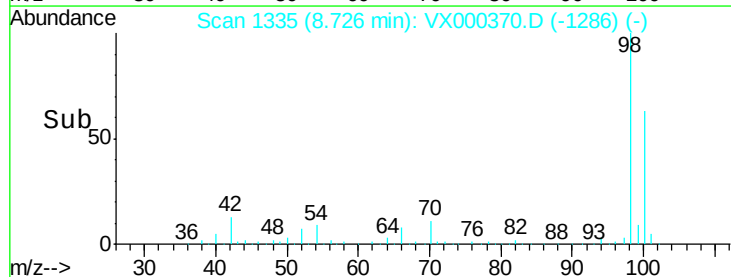
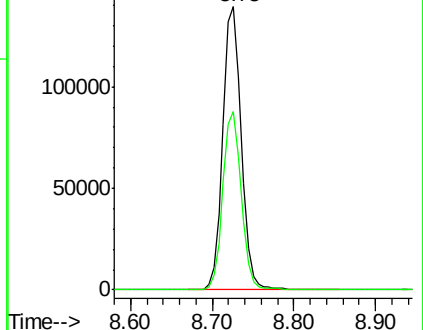
98 100

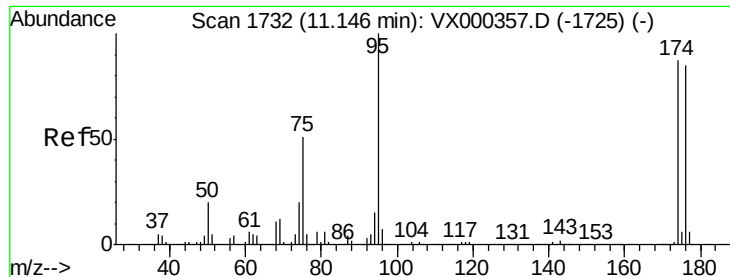
100 62.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 39.11 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000370.D

Acq: 20 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP-1

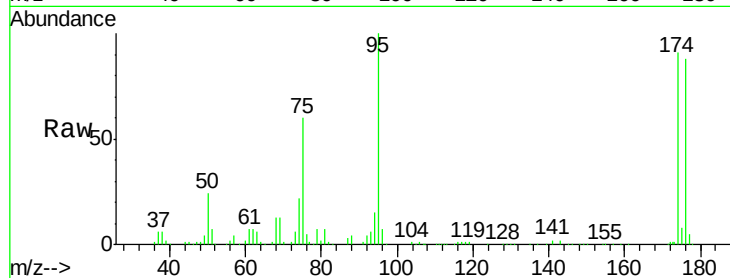
Tgt Ion: 95 Resp: 73075

Ion Ratio Lower Upper

95 100

174 89.4 0.0 173.6

176 88.1 0.0 164.6

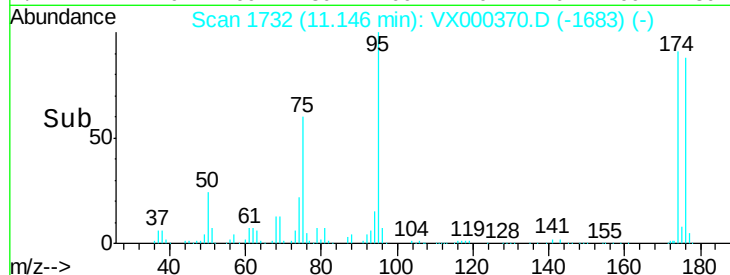


Abundance Ion 94.90 (94.60 to 95.60): VX000370.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000370.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000370.D (-1683) (-)

Time-->



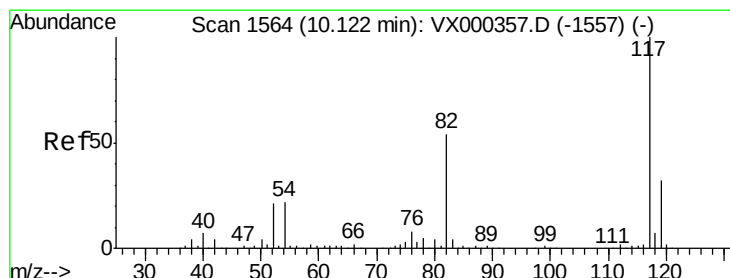
Abundance

Ion 94.90 (94.60 to 95.60): VX000370.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000370.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000370.D (-1683) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000370.D

Acq: 20 Mar 2018 19:44

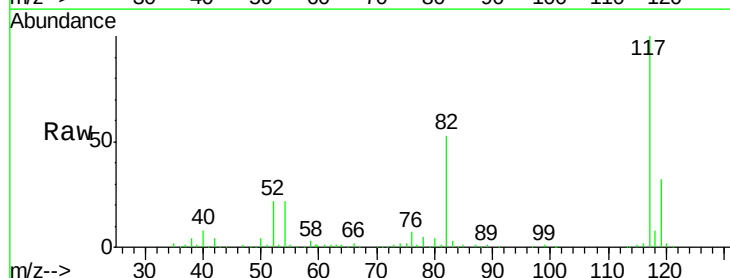
Tgt Ion: 117 Resp: 168385

Ion Ratio Lower Upper

117 100

82 53.3 43.8 65.8

119 31.5 24.9 37.3

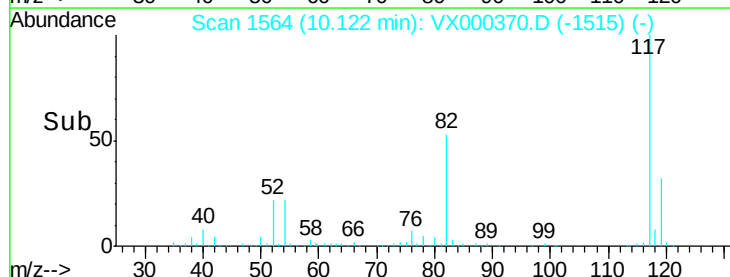


Abundance Ion 116.90 (116.60 to 117.60): VX000370.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000370.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000370.D (-1515) (-)

Time-->



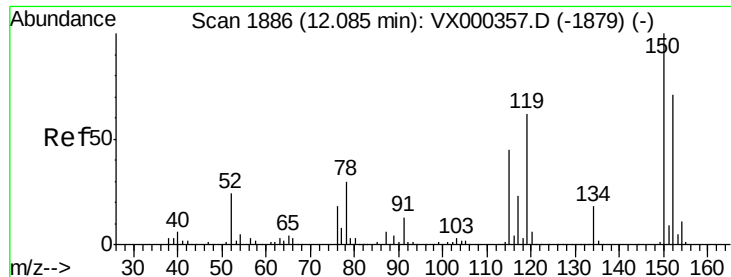
Abundance

Ion 116.90 (116.60 to 117.60): VX000370.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000370.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000370.D (-1515) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000370.D

Acq: 20 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

SP-1

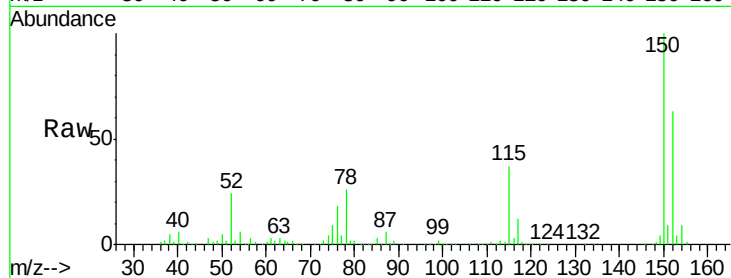
Tgt Ion:152 Resp: 80690

Ion Ratio Lower Upper

152 100

115 56.6 39.8 119.3

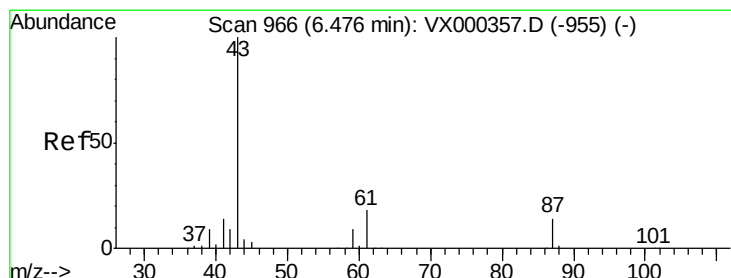
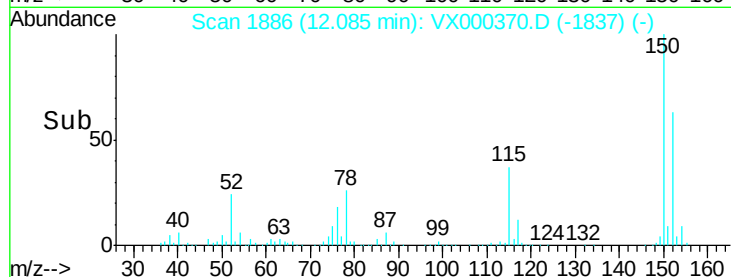
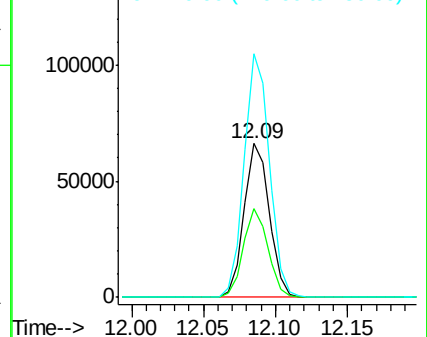
150 158.4 0.0 344.4



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-amyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000370.D

Acq: 20 Mar 2018 19:44

Tgt Ion: 43 Resp: 655

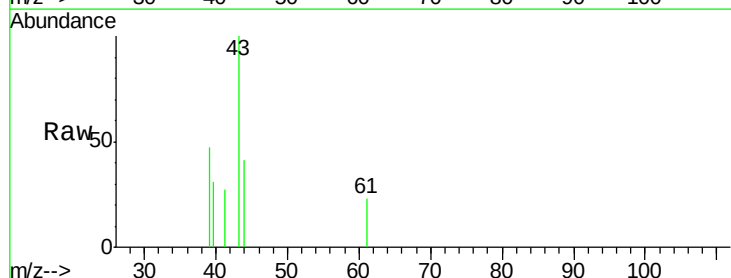
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 3.1 14.4 21.6#

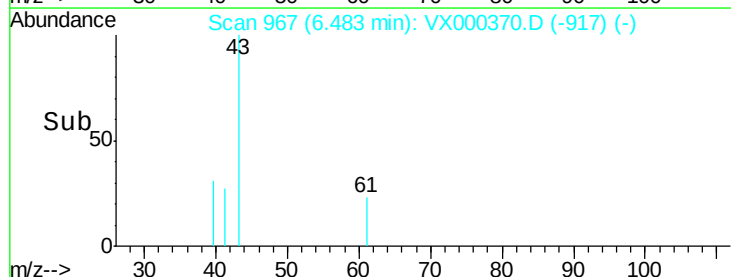
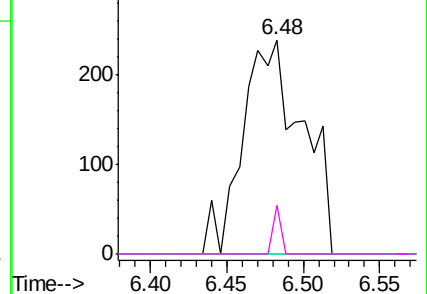


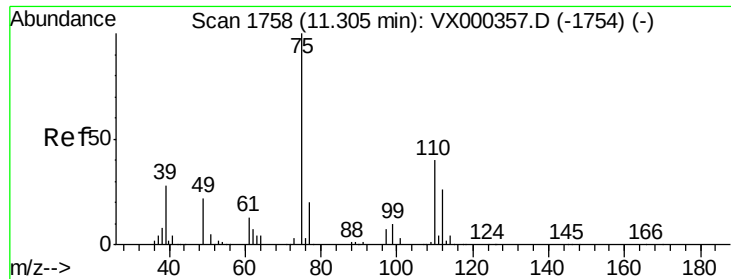
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.35 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000370.D

Acq: 20 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

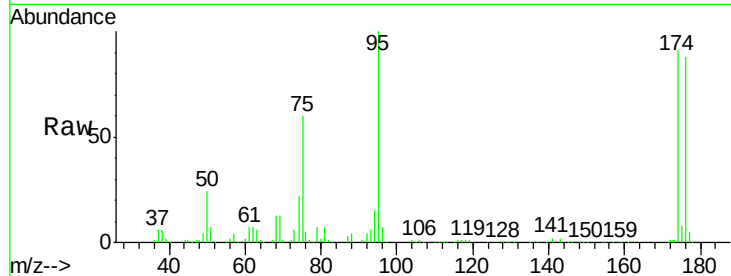
SP-1

Tgt Ion: 75 Resp: 42227

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

11.15

40000

30000

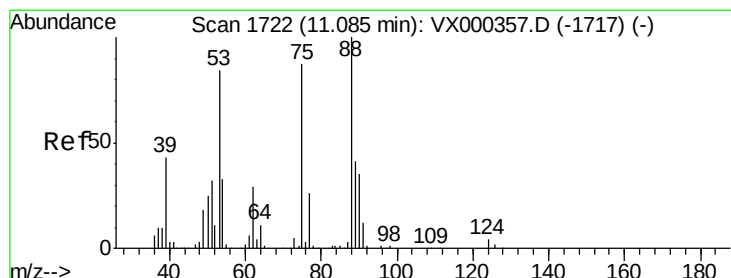
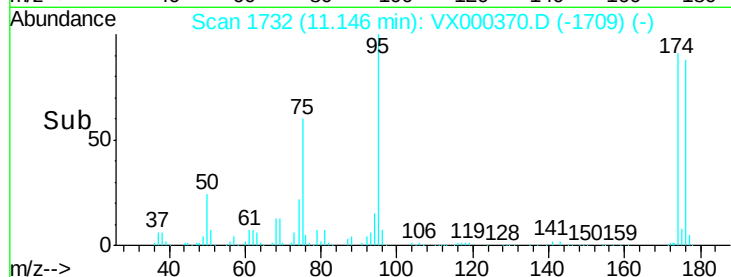
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 78.84 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000370.D

Acq: 20 Mar 2018 19:44

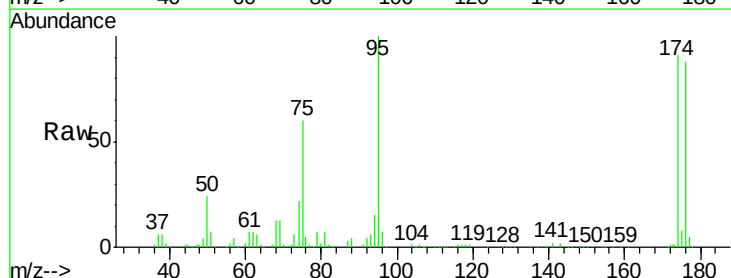
Tgt Ion: 75 Resp: 42227

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

11.15

50000

40000

30000

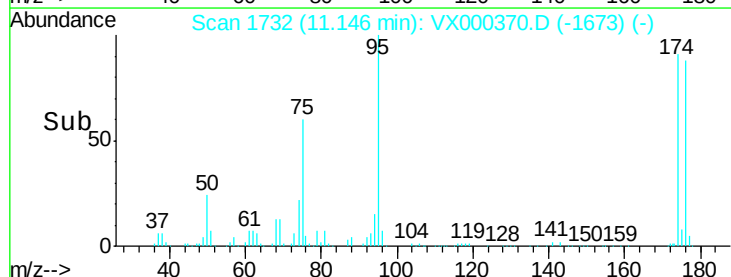
20000

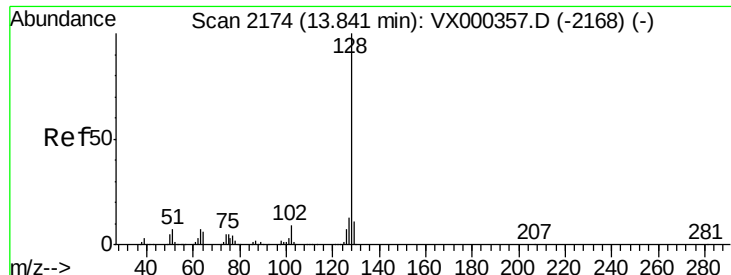
10000

0

Time-->

11.10 11.15 11.20





#95
Naphthalene
Concen: 8.83 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000370.D
Acq: 20 Mar 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.3	8.9	13.3

