

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
 Data File : VX000493.D
 Acq On : 28 Mar 2018 17:08
 Operator : JC/MD
 Sample : J2088-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Mar 29 04:11:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	93713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	170743	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	169130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	87675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	68478	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
35) Dibromofluoromethane	5.52	113	56625	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	8.73	98	217652	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.15	95	72740	40.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.08%	

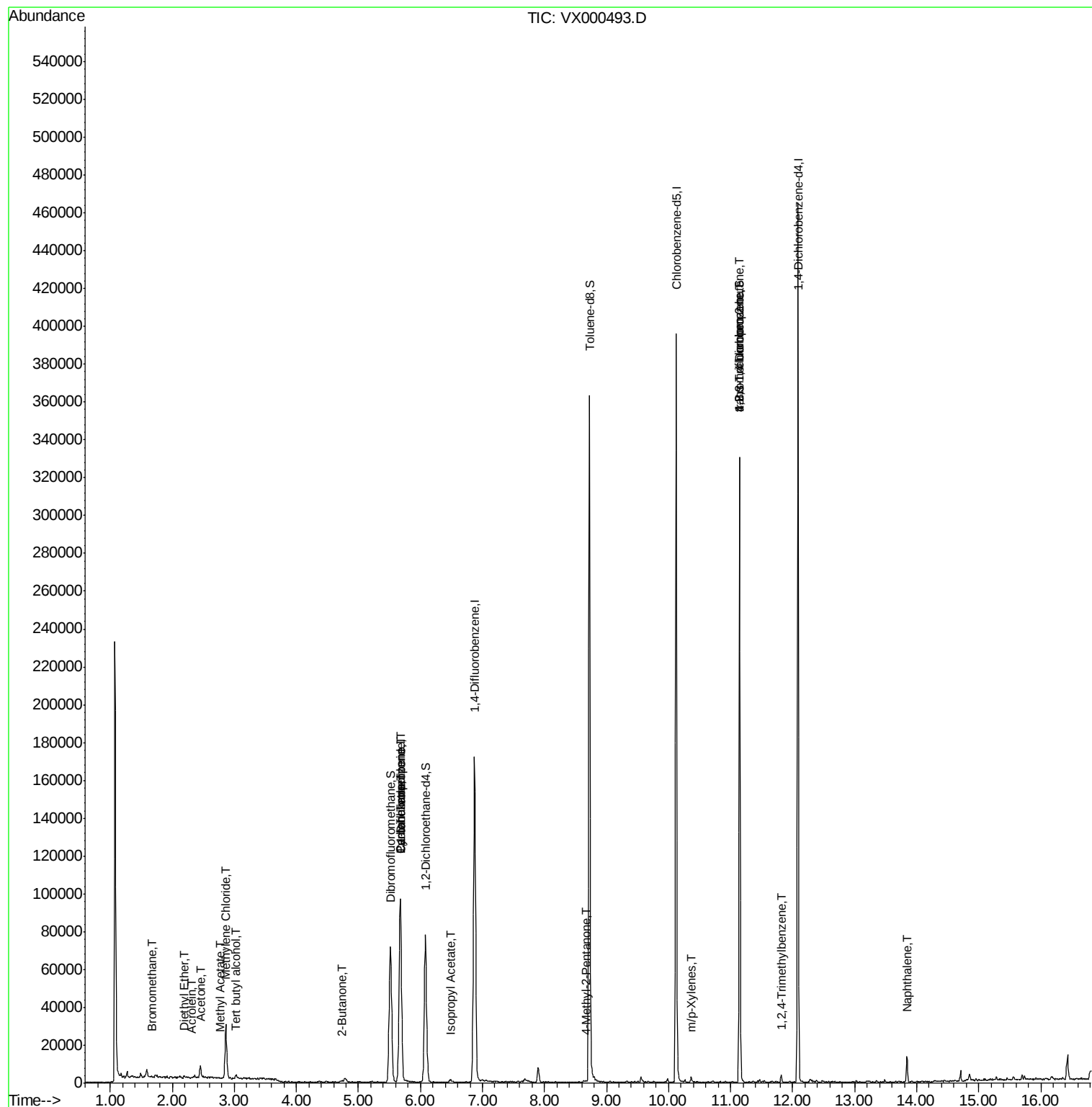
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	228	0.21	ug/l	# 41
6) Chloroethane	1.73	64	297	Below	Cal	# 83
8) Diethyl Ether	2.19	74	385	0.52	ug/l	# 89
11) Tert butyl alcohol	3.03	59	1125	2.67	ug/l	# 72
13) Acrolein	2.31	56	20	14.72	ug/l	# 1
16) Acetone	2.45	43	7563	7.43	ug/l	# 98
18) Methyl Acetate	2.77	43	470	0.22	ug/l	# 51
20) Methylene Chloride	2.86	84	12344	10.50	ug/l	# 96
25) 2-Butanone	4.73	43	1310	1.15	ug/l	# 82
31) Cyclohexane	5.67	56	2396	1.55	ug/l	# 60
36) 1,1-Dichloropropene	5.67	75	7249	4.53	ug/l	# 52
38) Carbon Tetrachloride	5.68	117	9447	5.63	ug/l	# 16
43) Isopropyl Acetate	6.49	43	1841	0.57	ug/l	# 82
51) 4-Methyl-2-Pentanone	8.66	43	1163	0.46	ug/l	# 63
68) m/p-Xylenes	10.37	106	667	0.27	ug/l	# 88
74) N-amyl acetate	6.49	43	1841	Below	Cal	# 80
76) 1,2,3-Trichloropropane	11.15	75	42174	22.38	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.15	75	42174	72.47	ug/l	# 9
84) 1,2,4-Trimethylbenzene	11.82	105	1612	0.31	ug/l	# 74
95) Naphthalene	13.84	128	7884	1.10	ug/l	# 97

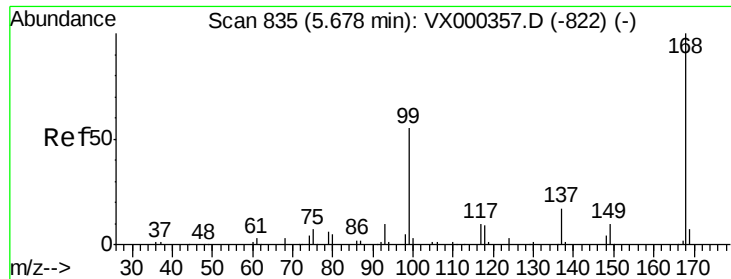
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

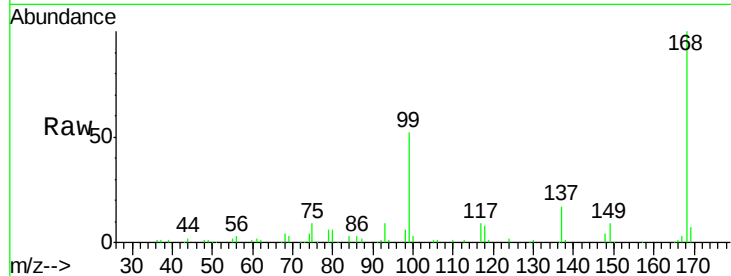
TP-2

Tgt Ion:168 Resp: 93713

Ion Ratio Lower Upper

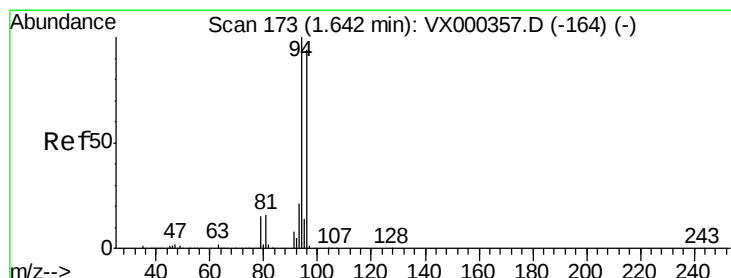
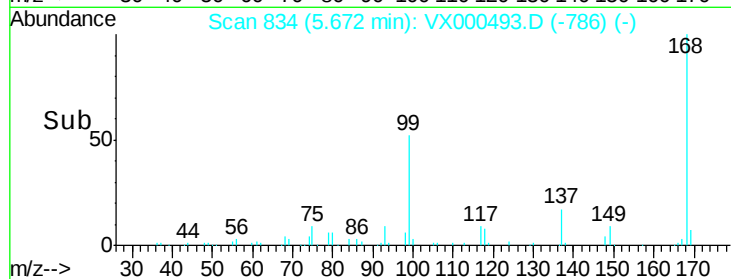
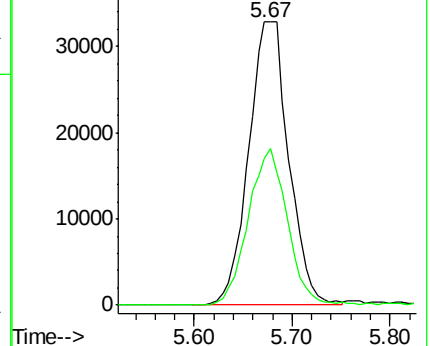
168 100

99 51.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.21 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX000493.D

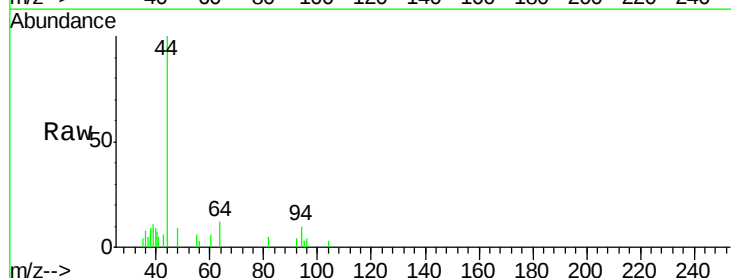
Acq: 28 Mar 2018 17:08

Tgt Ion: 94 Resp: 228

Ion Ratio Lower Upper

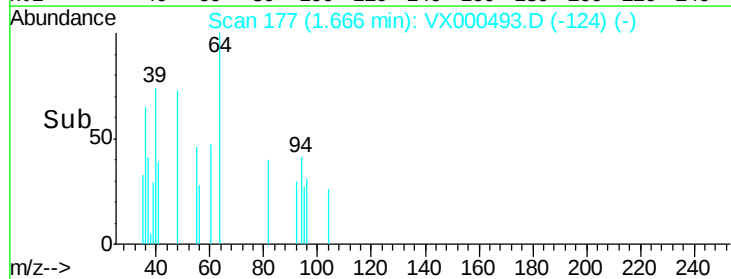
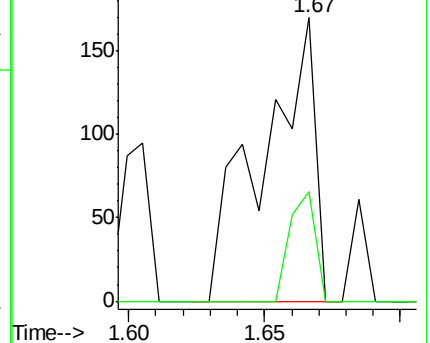
94 100

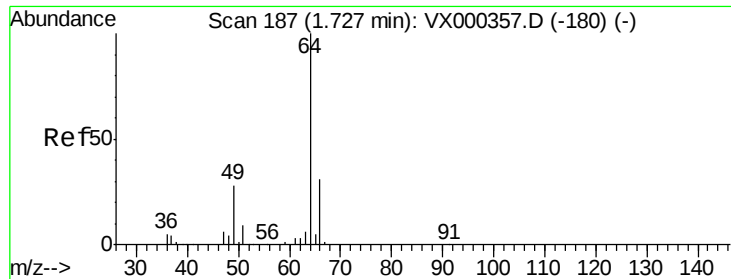
96 38.8 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

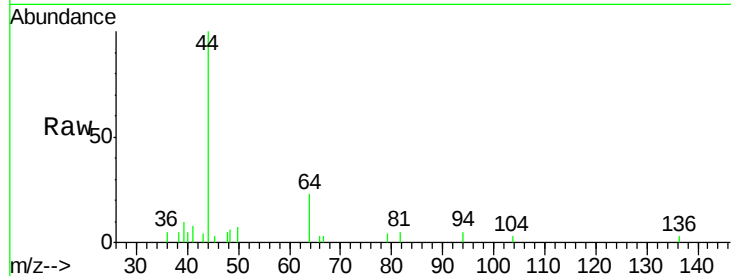
TP-2

Tgt Ion: 64 Resp: 297

Ion Ratio Lower Upper

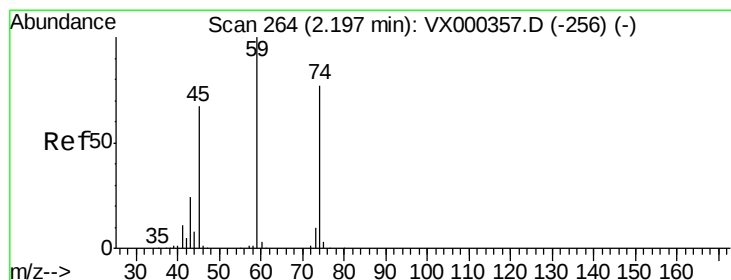
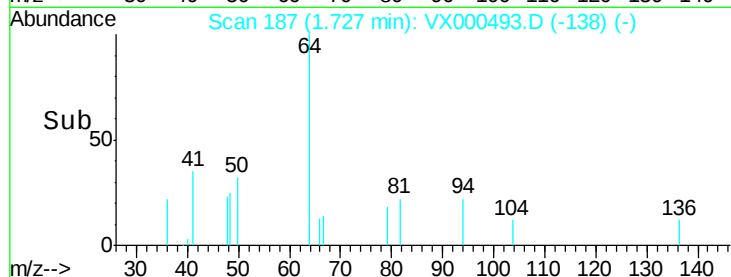
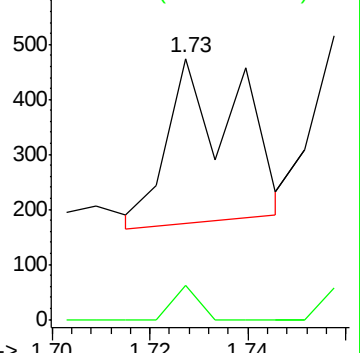
64 100

66 21.8 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 0.52 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX000493.D

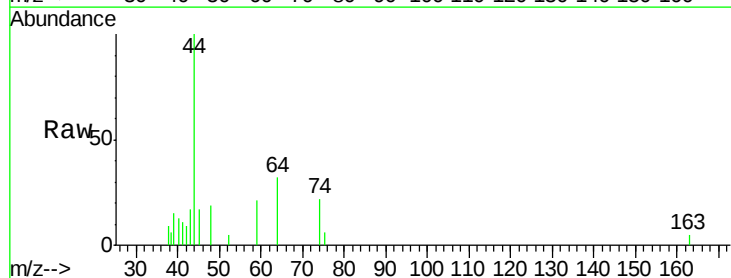
Acq: 28 Mar 2018 17:08

Tgt Ion: 74 Resp: 385

Ion Ratio Lower Upper

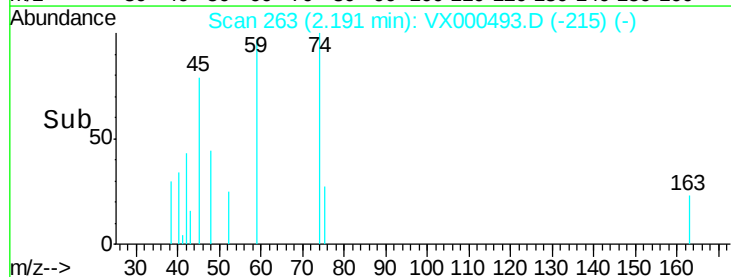
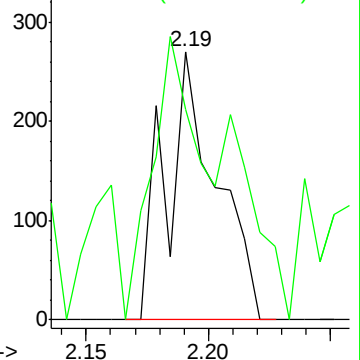
74 100

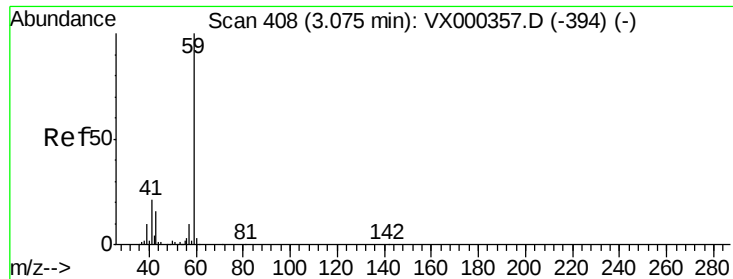
45 101.0 45.1 135.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



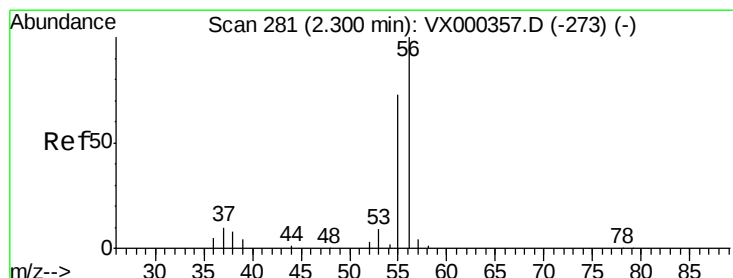
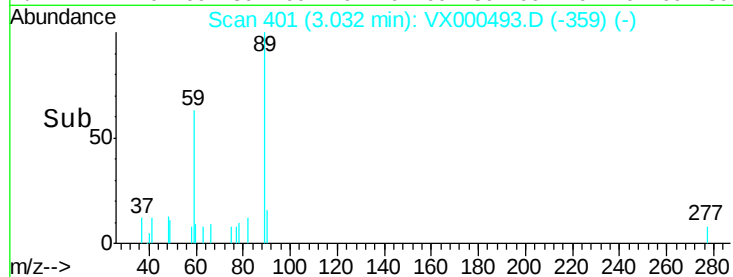
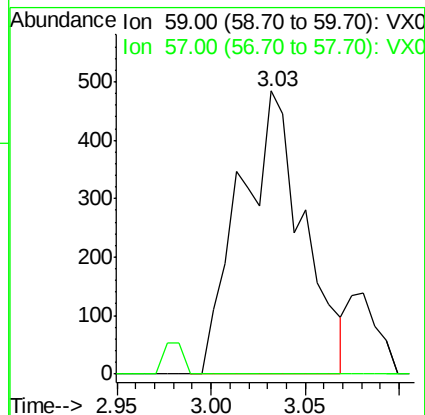
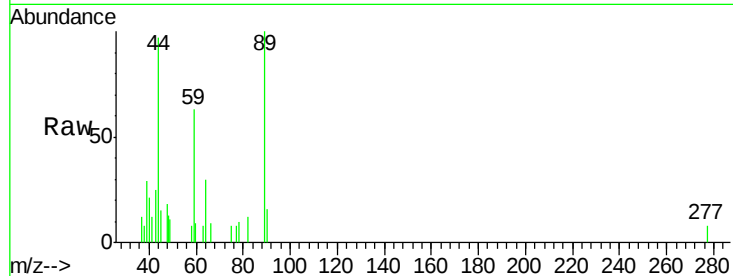


#11

Tert butyl alcohol
 Concen: 2.67 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.04 min
 Lab File: VX000493.D
 Acq: 28 Mar 2018 17:08

Instrument :
 MSVOA_X
 ClientSampled :
 TP-2

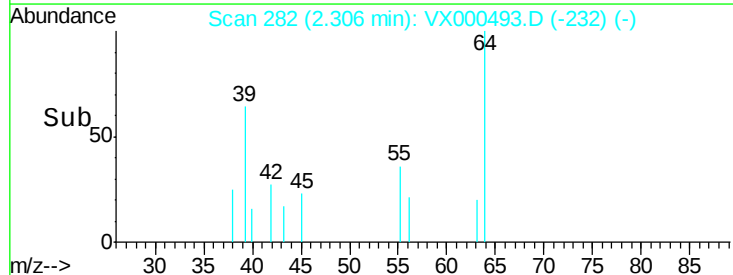
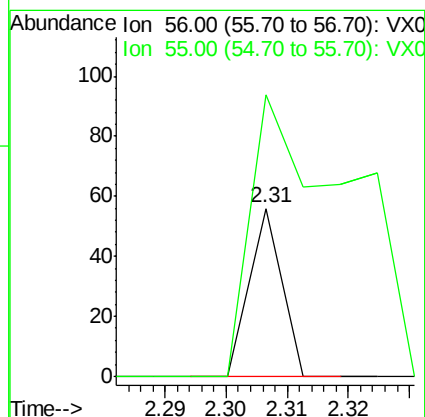
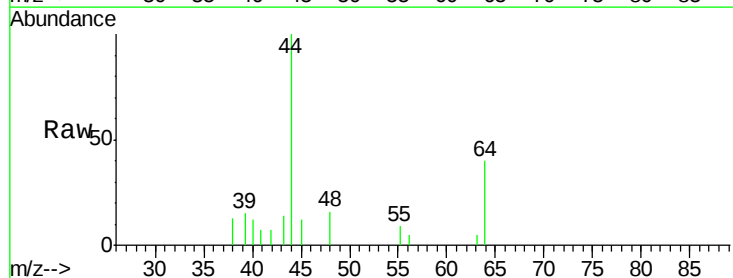
Tgt Ion: 59 Resp: 1125
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

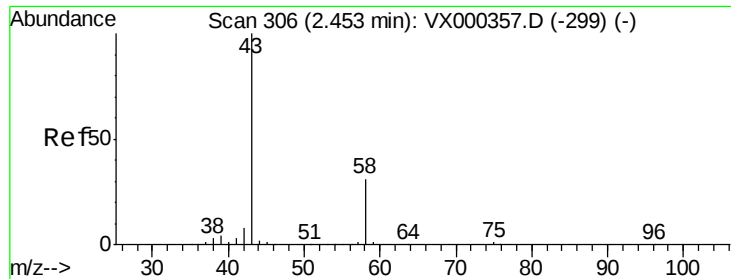


#13

Acrolein
 Concen: 14.72 ug/l
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX000493.D
 Acq: 28 Mar 2018 17:08

Tgt Ion: 56 Resp: 20
 Ion Ratio Lower Upper
 56 100
 55 530.0 58.8 88.2#





#16

Acetone

Concen: 7.43 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

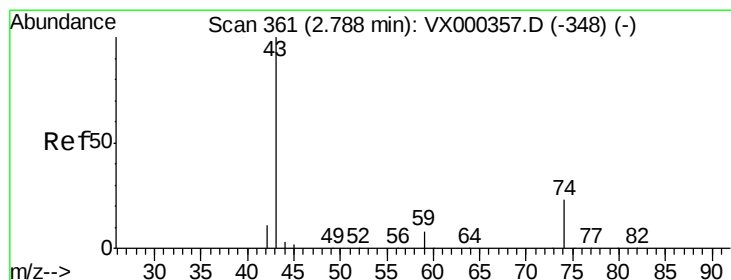
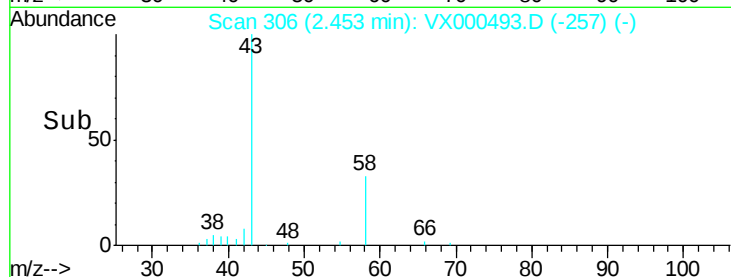
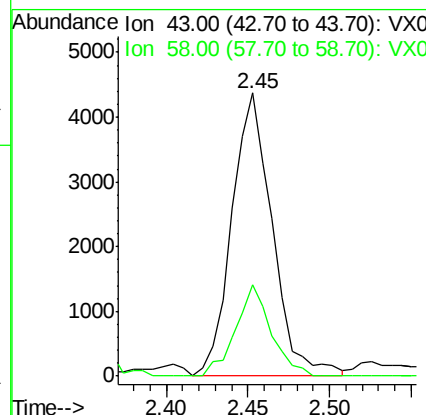
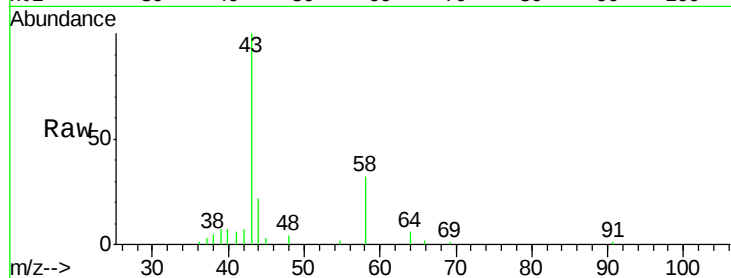
TP-2

Tgt Ion: 43 Resp: 7563

Ion Ratio Lower Upper

43 100

58 32.1 24.7 37.1



#18

Methyl Acetate

Concen: 0.22 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.02 min

Lab File: VX000493.D

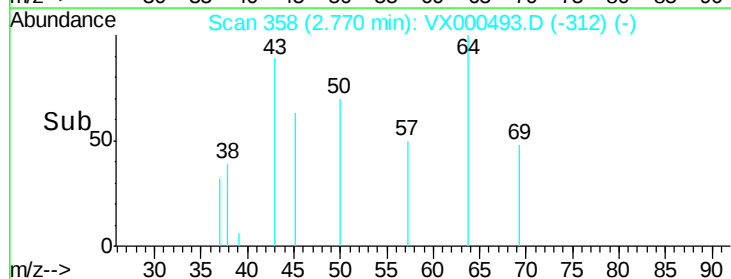
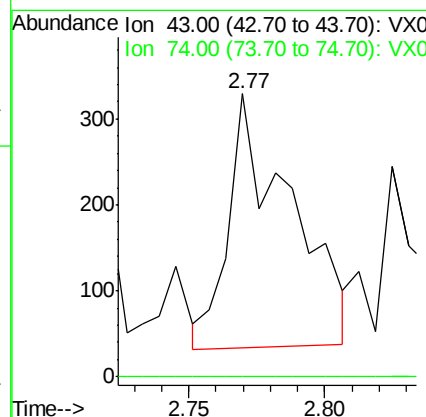
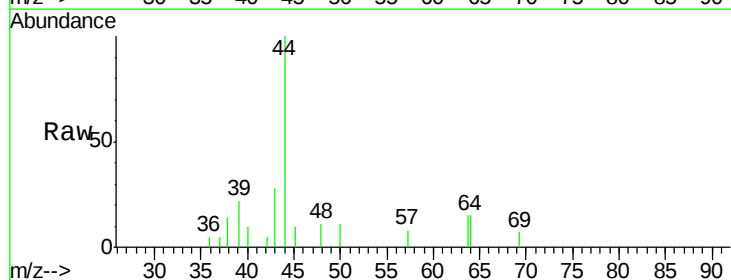
Acq: 28 Mar 2018 17:08

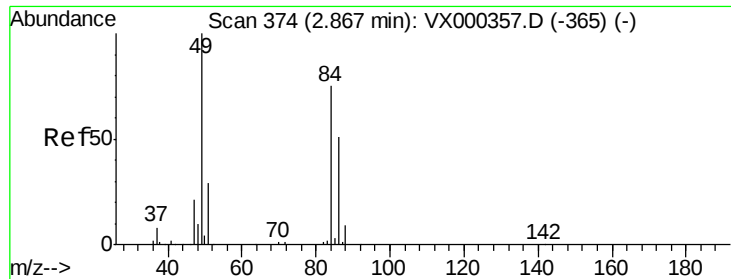
Tgt Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

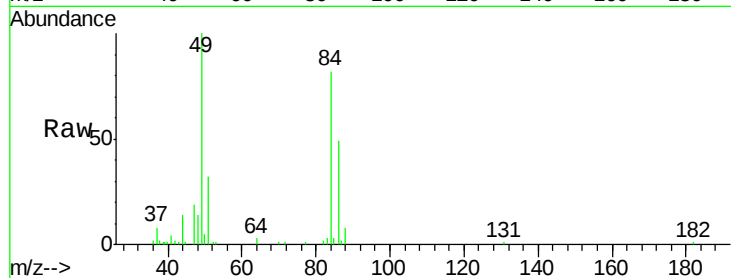




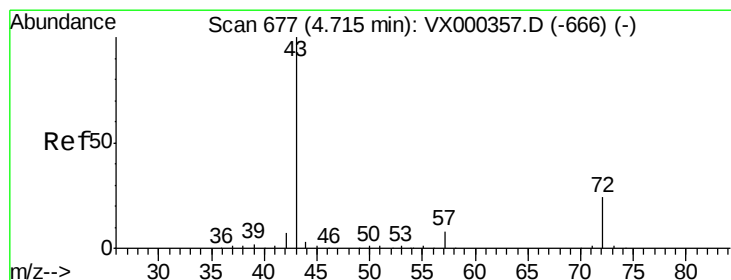
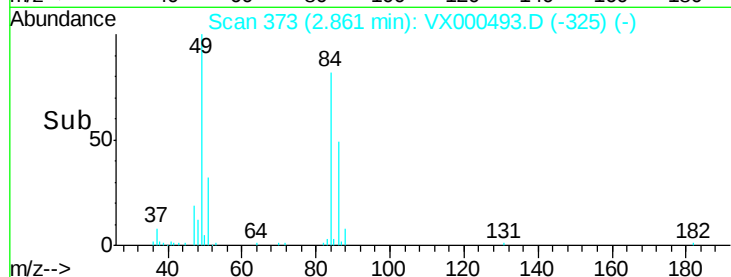
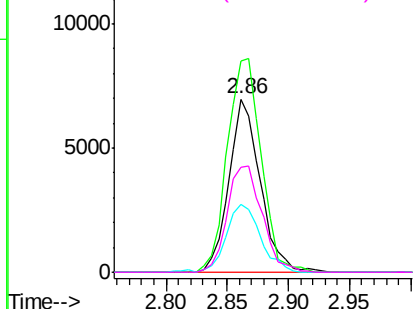
#20
Methylene Chloride
Concen: 10.50 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000493.D
Acq: 28 Mar 2018 17:08

Instrument :
MSVOA_X
ClientSampled :
TP-2

Tgt Ion: 84 Resp: 12344
Ion Ratio Lower Upper
84 100
49 121.8 100.6 151.0
51 39.5 31.6 47.4
86 60.2 52.6 78.8

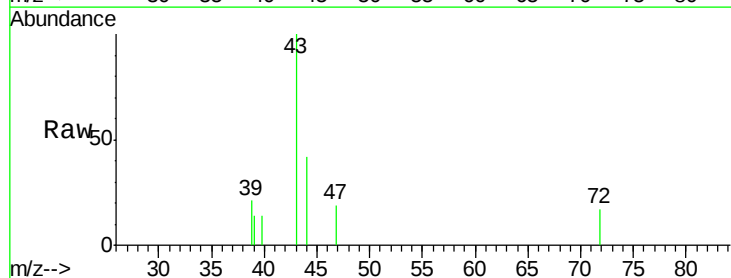


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

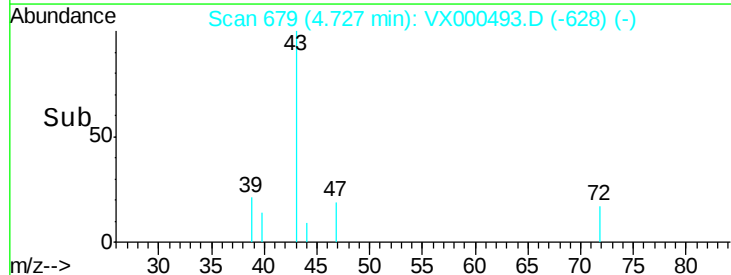
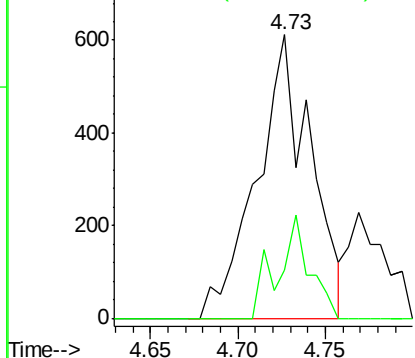


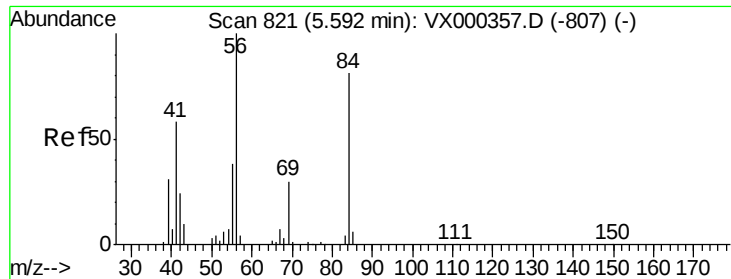
#25
2-Butanone
Concen: 1.15 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000493.D
Acq: 28 Mar 2018 17:08

Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
72 17.2 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

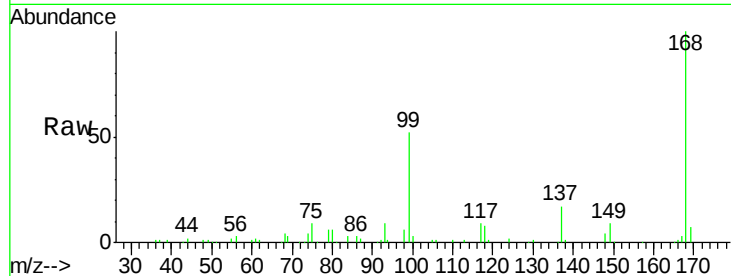




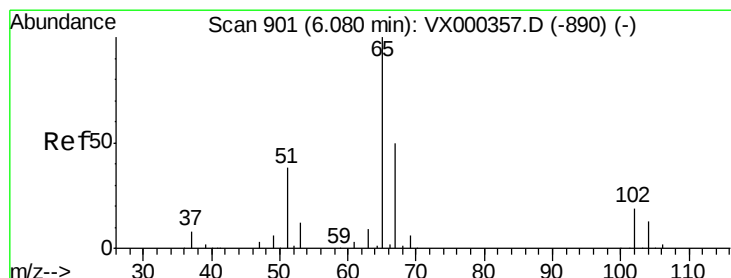
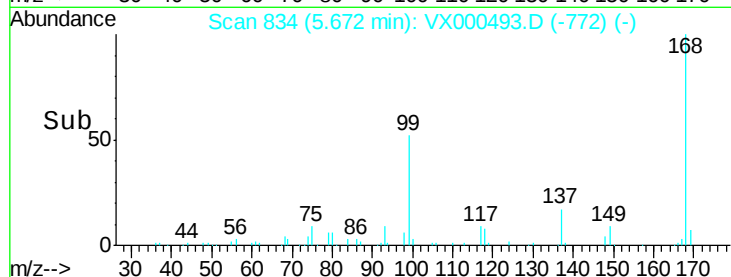
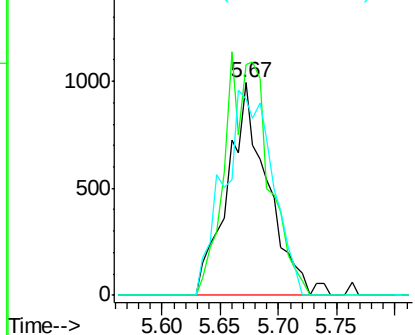
#31
Cyclohexane
Concen: 1.55 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000493.D
Acq: 28 Mar 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion: 56 Resp: 2396
Ion Ratio Lower Upper
56 100
69 108.7 23.4 35.0#
84 92.5 71.0 106.4

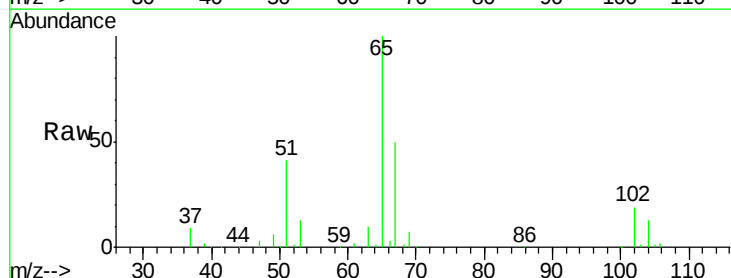


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

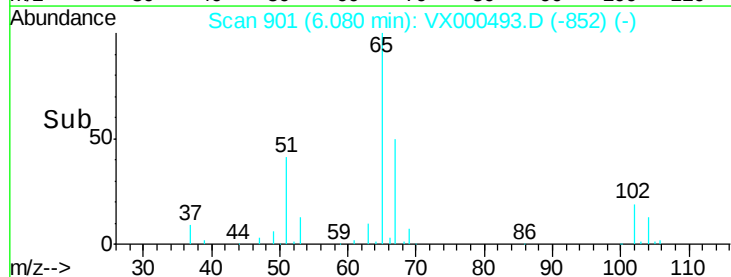
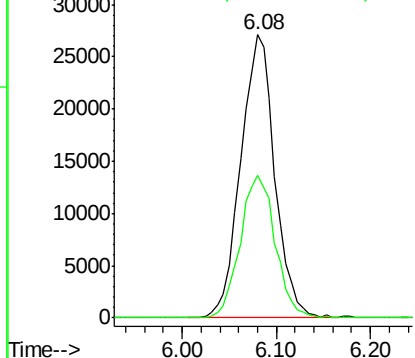


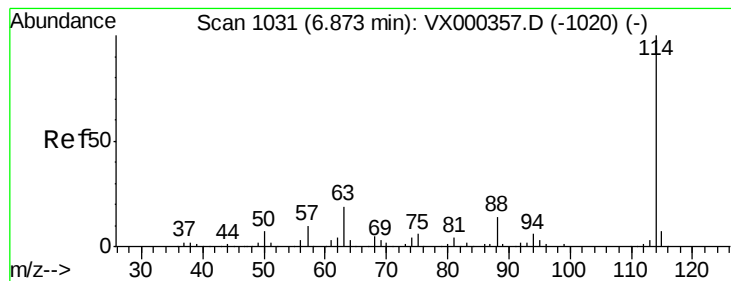
#33
1,2-Dichloroethane-d4
Concen: 55.98 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000493.D
Acq: 28 Mar 2018 17:08

Tgt Ion: 65 Resp: 68478
Ion Ratio Lower Upper
65 100
67 52.0 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: VX000493.D

Acq: 28 Mar 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

TP-2

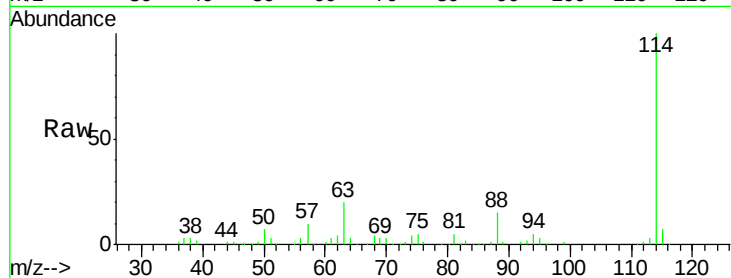
Tgt Ion:114 Resp: 170743

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

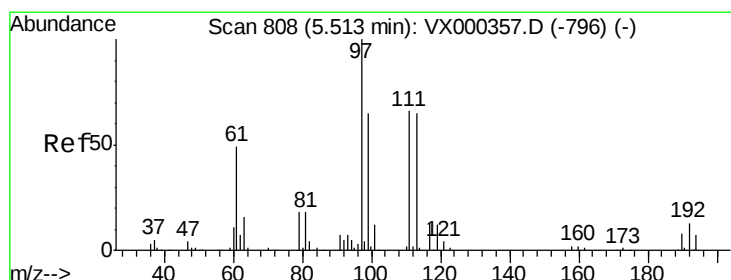
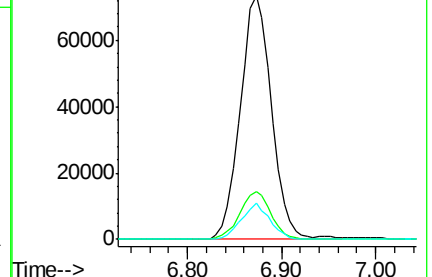
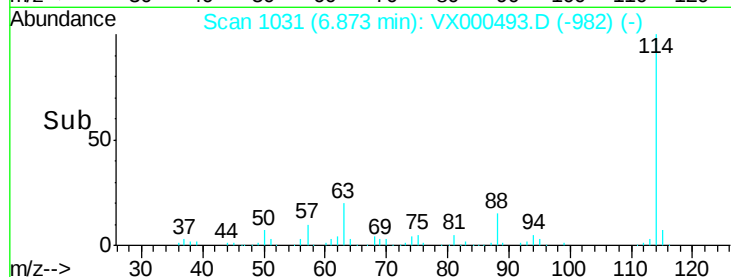
88 14.8 0.0 27.0



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: 52.63 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

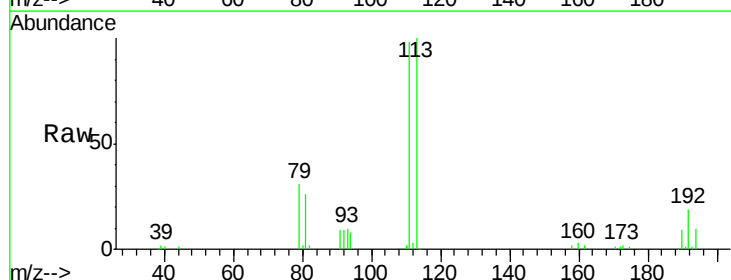
Tgt Ion:113 Resp: 56625

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

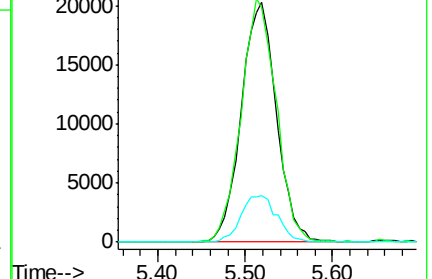
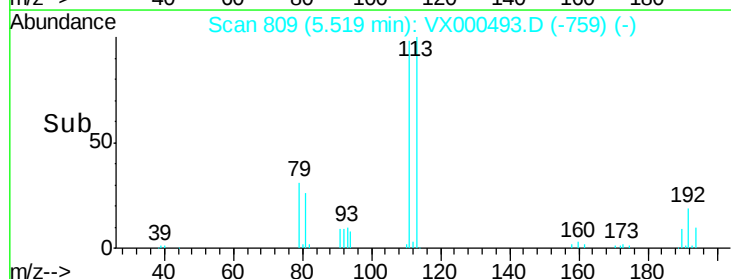
192 19.9 15.8 23.6

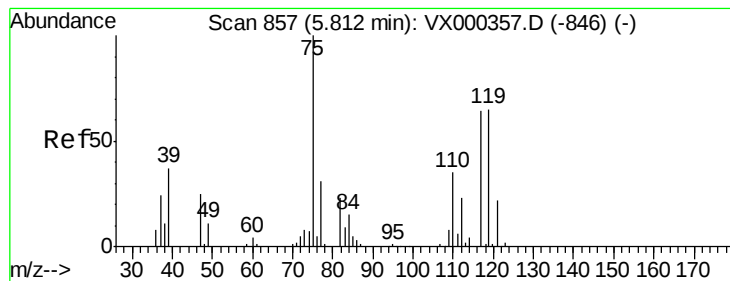


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.53 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

TP-2

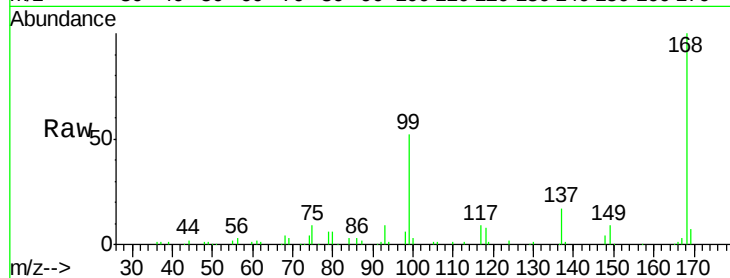
Tgt Ion: 75 Resp: 7249

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): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

3000

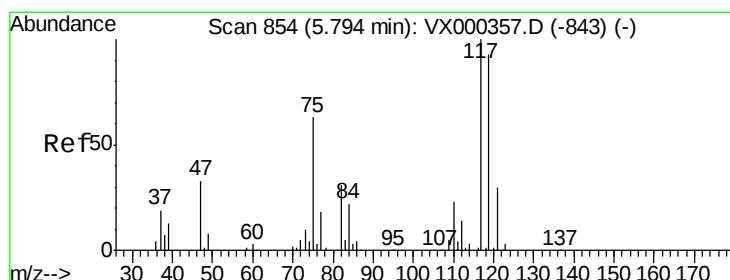
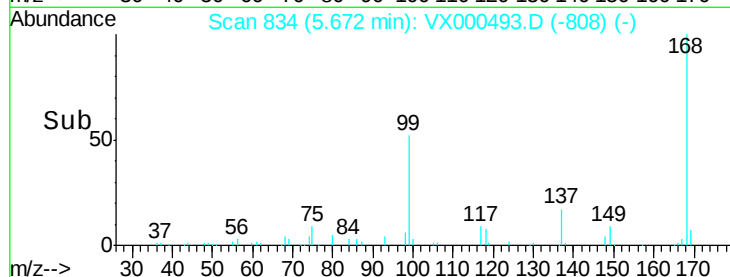
2000

1000

0

5.67

Time--> 5.55 5.60 5.65 5.70 5.75



#38

Carbon Tetrachloride

Concen: 5.63 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

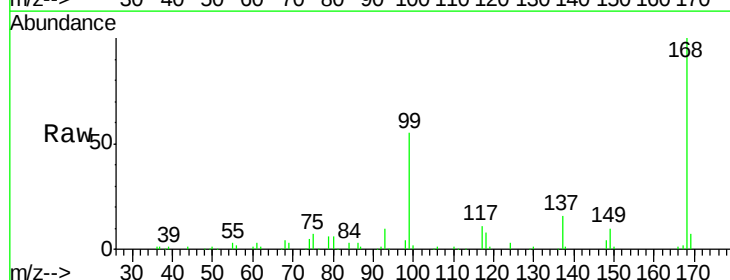
Tgt Ion: 117 Resp: 9447

Ion Ratio Lower Upper

117 100

119 5.6 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

4000

3000

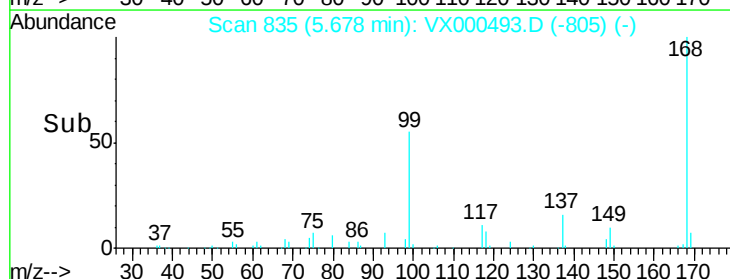
2000

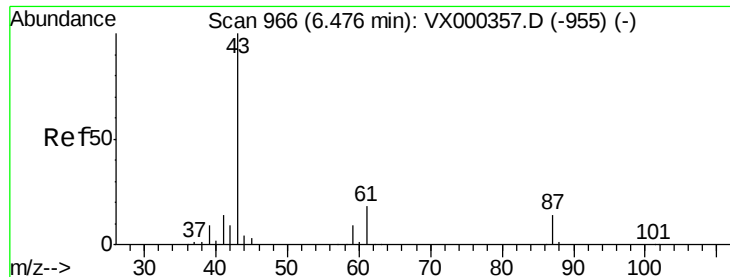
1000

0

5.68

Time--> 5.60 5.70 5.80





#43

Isopropyl Acetate

Concen: 0.57 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

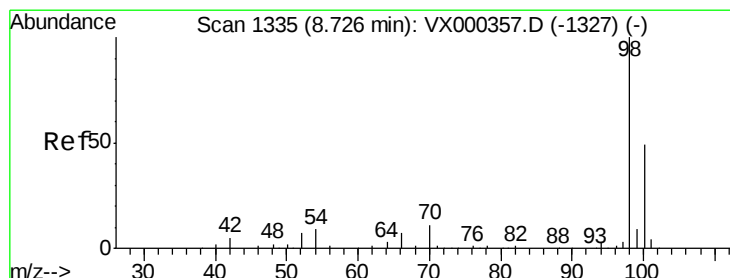
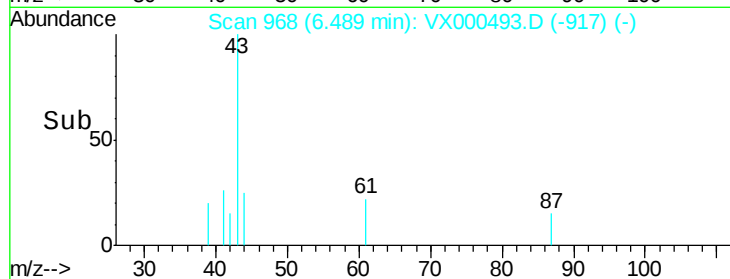
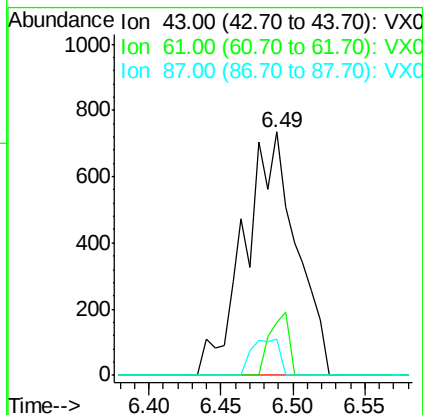
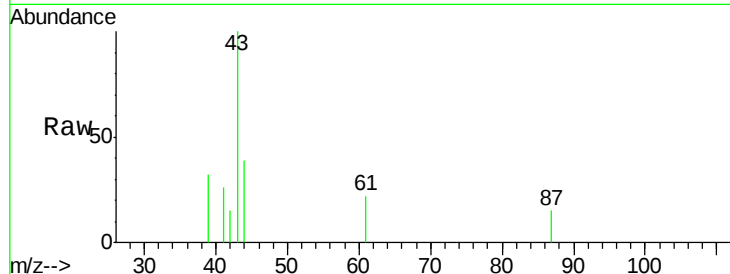
Instrument :

MSVOA_X

ClientSampleId :

TP-2

Tgt Ion:	43	Resp:	1841
Ion	Ratio	Lower	Upper
43	100		
61	9.2	14.4	21.6#
87	7.8	11.0	16.4#



#50

Toluene-d8

Concen: 48.85 ug/l

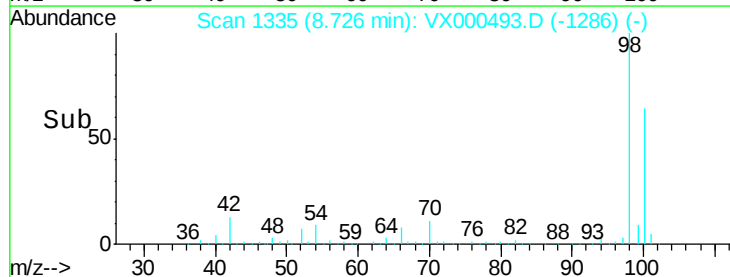
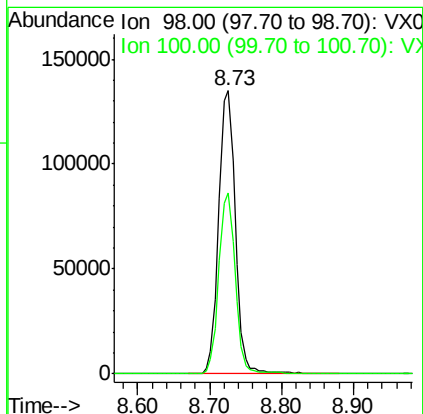
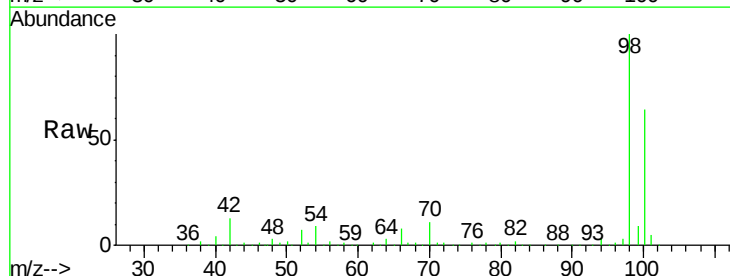
RT: 8.73 min Scan# 1335

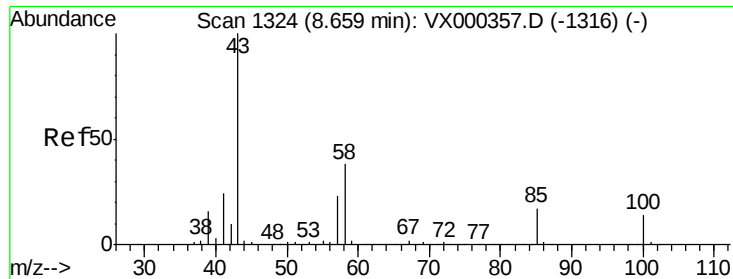
Delta R.T. -0.00 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

Tgt Ion:	98	Resp:	217652
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 0.46 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

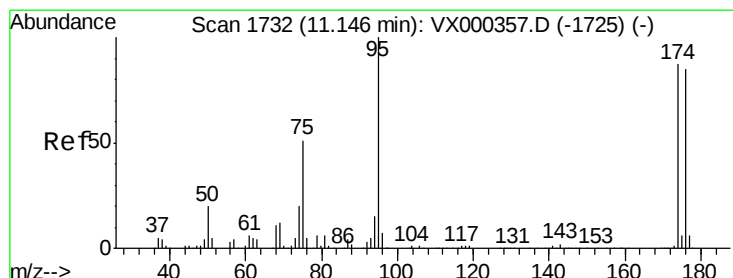
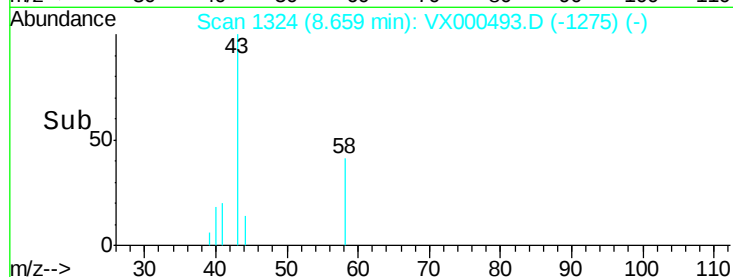
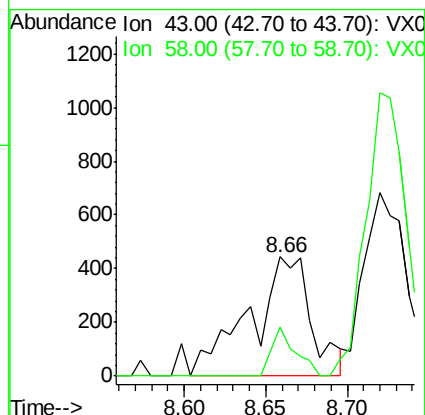
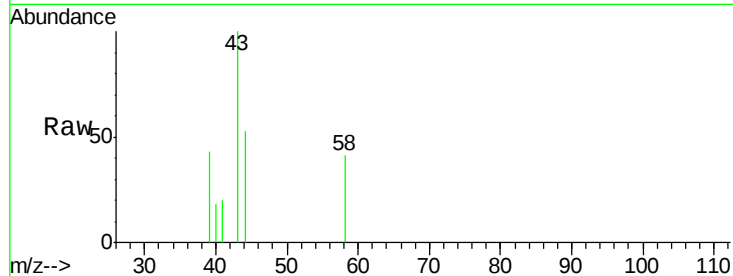
TP-2

Tgt Ion: 43 Resp: 1163

Ion Ratio Lower Upper

43 100

58 15.8 30.3 45.5#



#62

4-Bromofluorobenzene

Concen: 40.04 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

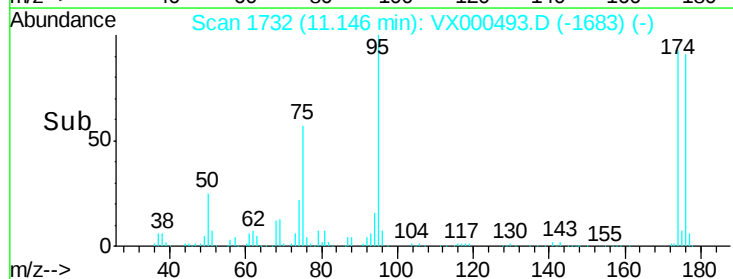
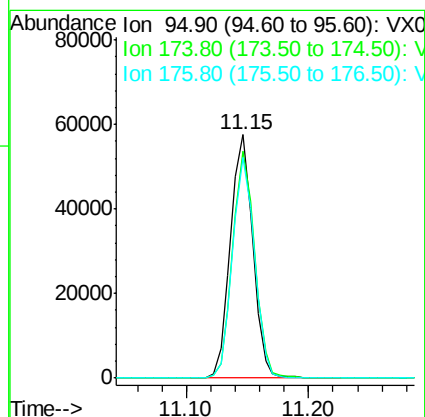
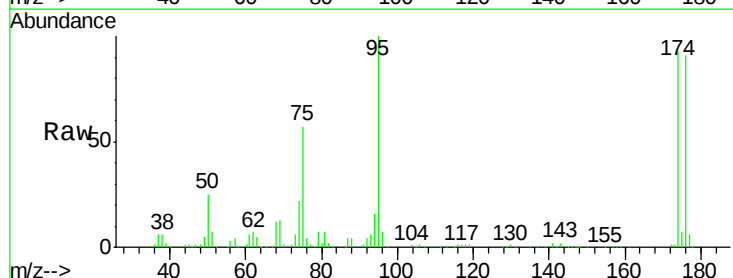
Tgt Ion: 95 Resp: 72740

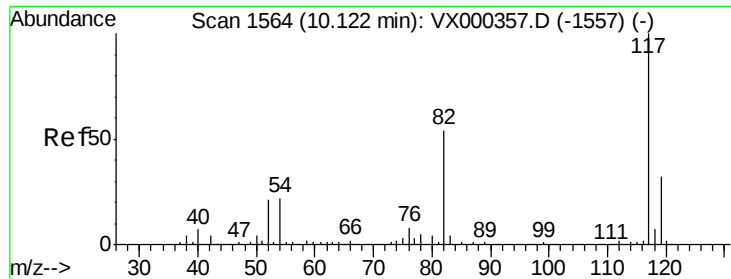
Ion Ratio Lower Upper

95 100

174 92.2 0.0 173.6

176 88.9 0.0 164.6

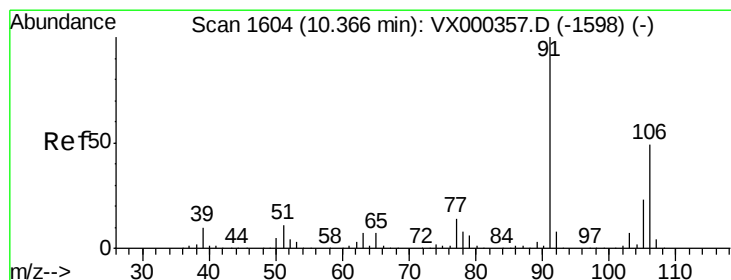
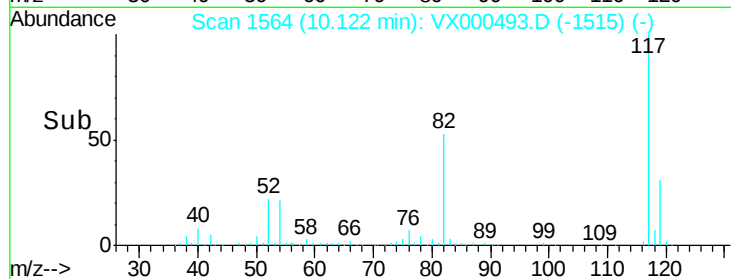
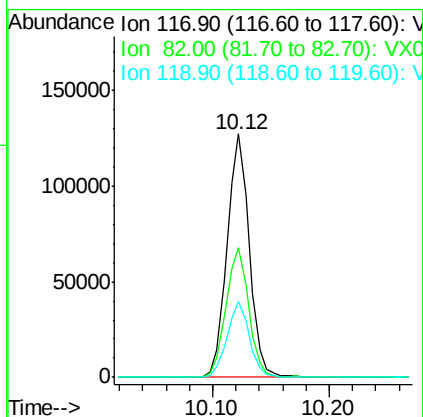
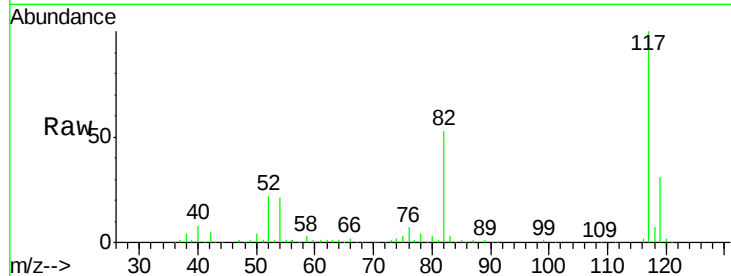




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000493.D
Acq: 28 Mar 2018 17:08

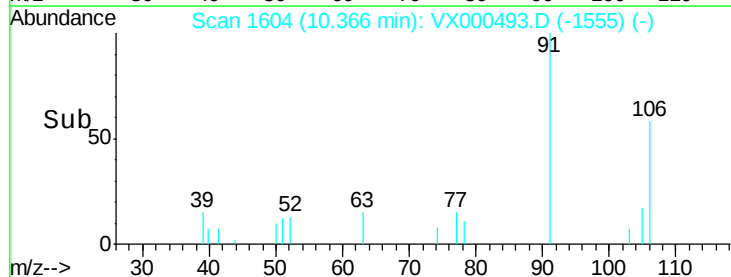
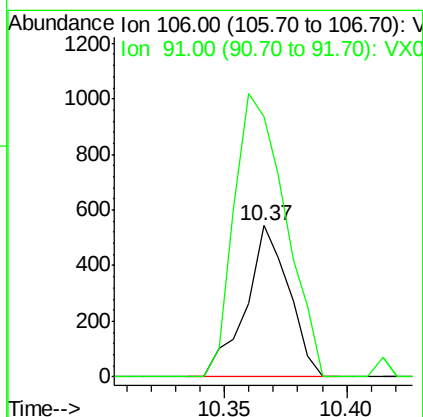
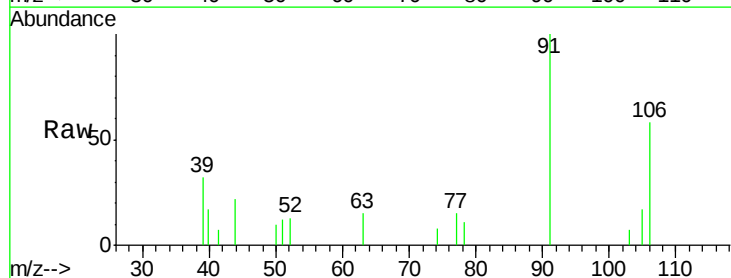
Instrument :
MSVOA_X
ClientSampleId :
TP-2

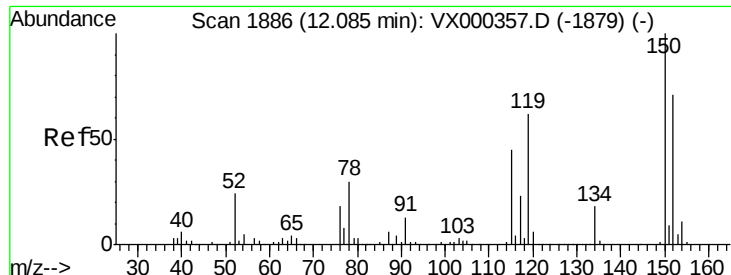
Tgt Ion:117 Resp: 169130
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.8
119 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 0.27 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000493.D
Acq: 28 Mar 2018 17:08

Tgt Ion:106 Resp: 667
Ion Ratio Lower Upper
106 100
91 222.6 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

TP-2

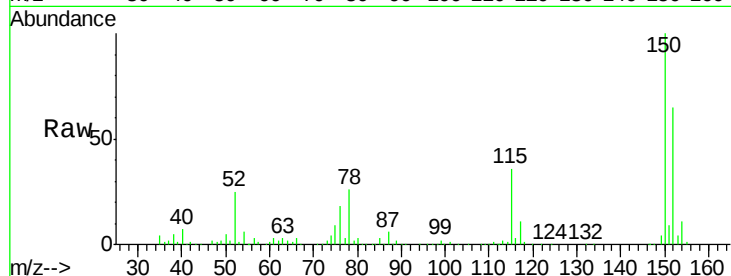
Tgt Ion:152 Resp: 87675

Ion Ratio Lower Upper

152 100

115 54.9 39.8 119.3

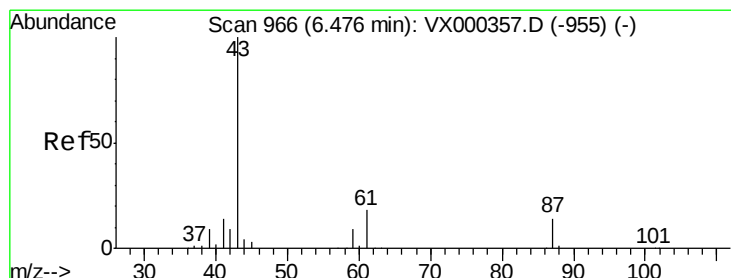
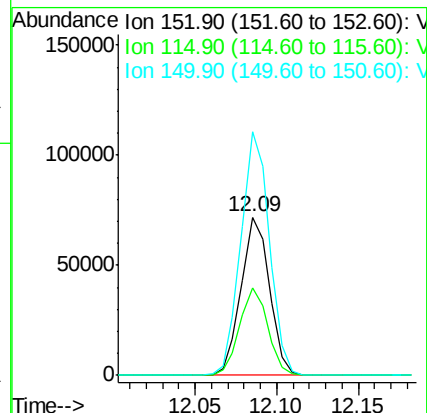
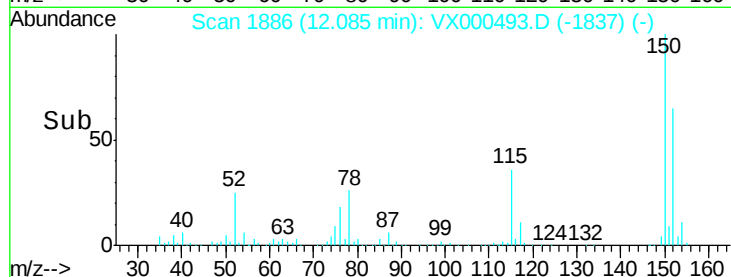
150 154.5 0.0 344.4



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-ethyl acetate

Concen: Below Cal

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000493.D

Acq: 28 Mar 2018 17:08

Tgt Ion: 43 Resp: 1841

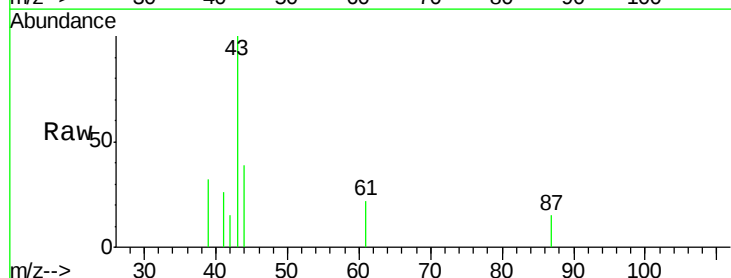
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 9.2 14.4 21.6#

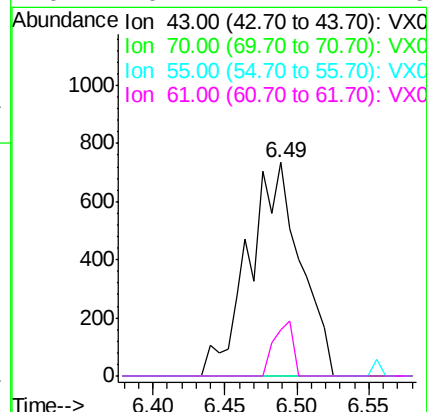
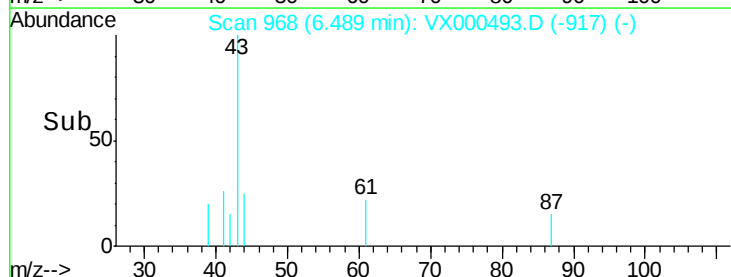


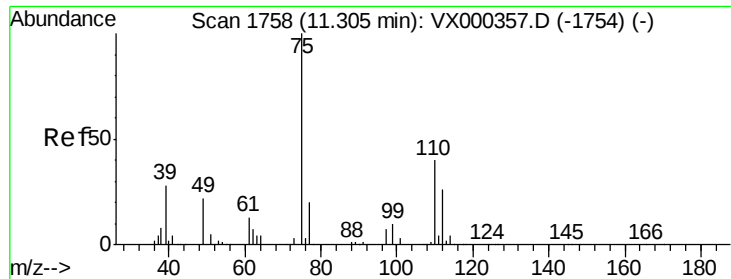
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

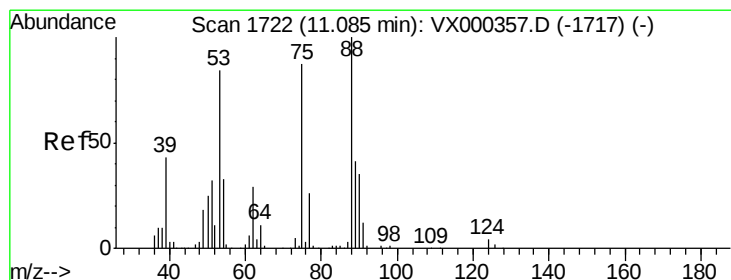
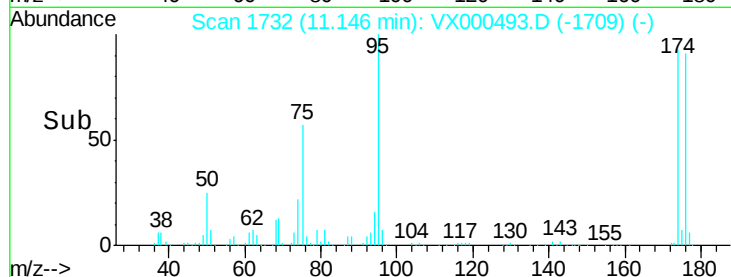
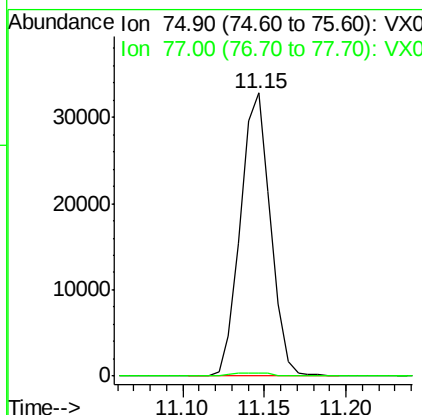
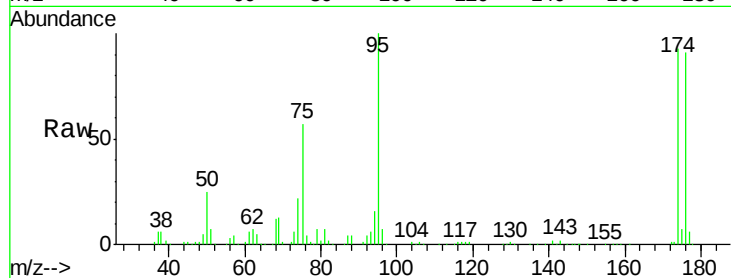




#76
 1,2,3-Trichloropropane
 Concen: 22.38 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000493.D
 Acq: 28 Mar 2018 17:08

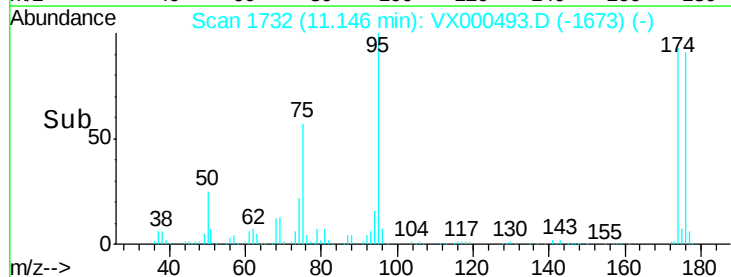
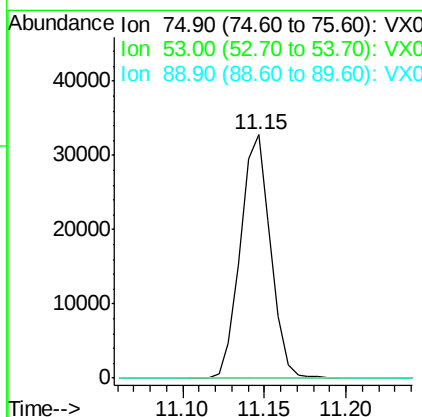
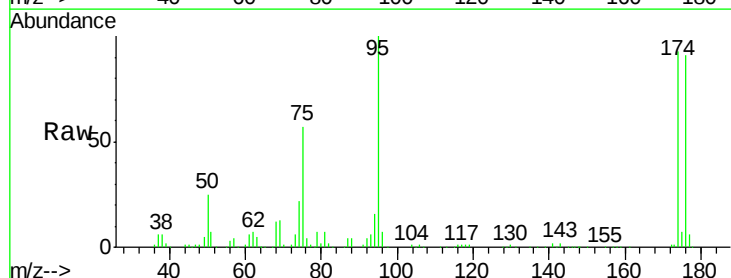
Instrument :
 MSVOA_X
 ClientSampled :
 TP-2

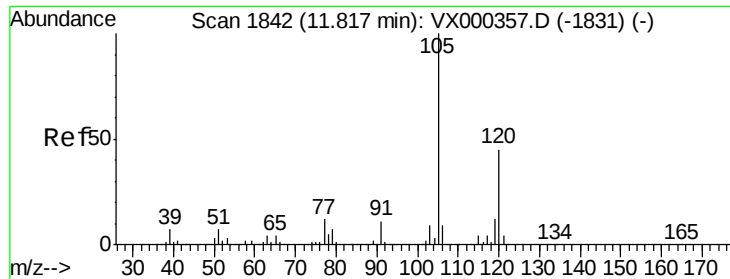
Tgt Ion: 75 Resp: 42174
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.47 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000493.D
 Acq: 28 Mar 2018 17:08

Tgt Ion: 75 Resp: 42174
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

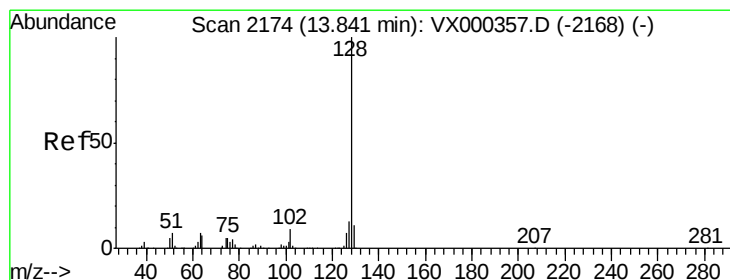
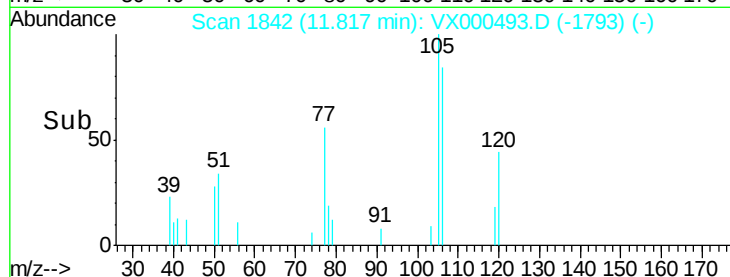
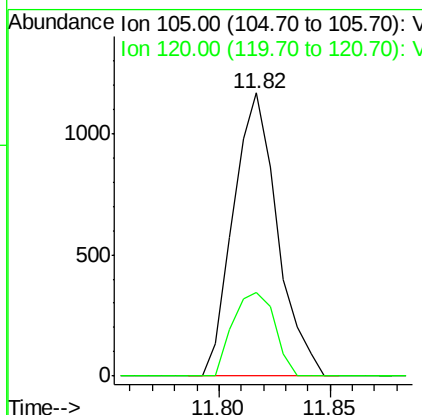
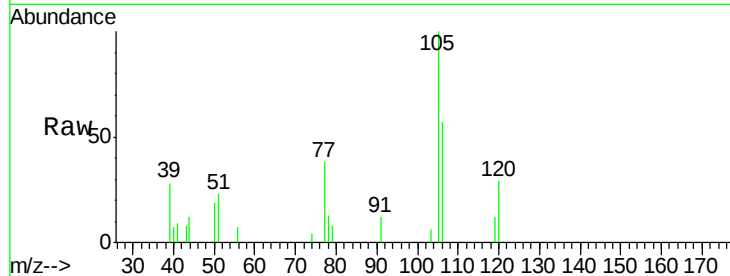




#84
 1,2,4-Trimethylbenzene
 Concen: 0.31 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000493.D
 Acq: 28 Mar 2018 17:08

Instrument :
 MSVOA_X
 ClientSampled :
 TP-2

Tgt Ion:105 Resp: 1612
 Ion Ratio Lower Upper
 105 100
 120 27.9 22.4 67.3



#95
 Naphthalene
 Concen: 1.10 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000493.D
 Acq: 28 Mar 2018 17:08

Tgt Ion:128 Resp: 7884
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.6 15.8
 129 13.1 8.9 13.3

