

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
 Data File : VX000500.D
 Acq On : 28 Mar 2018 20:07
 Operator : JC/MD
 Sample : J2102-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 6978

Quant Time: Mar 29 04:13:10 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	94723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	176543	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	174602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	93039	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	72276	58.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.90%	
35) Dibromofluoromethane	5.51	113	57649	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
50) Toluene-d8	8.73	98	221244	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.15	95	76206	40.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.98%	

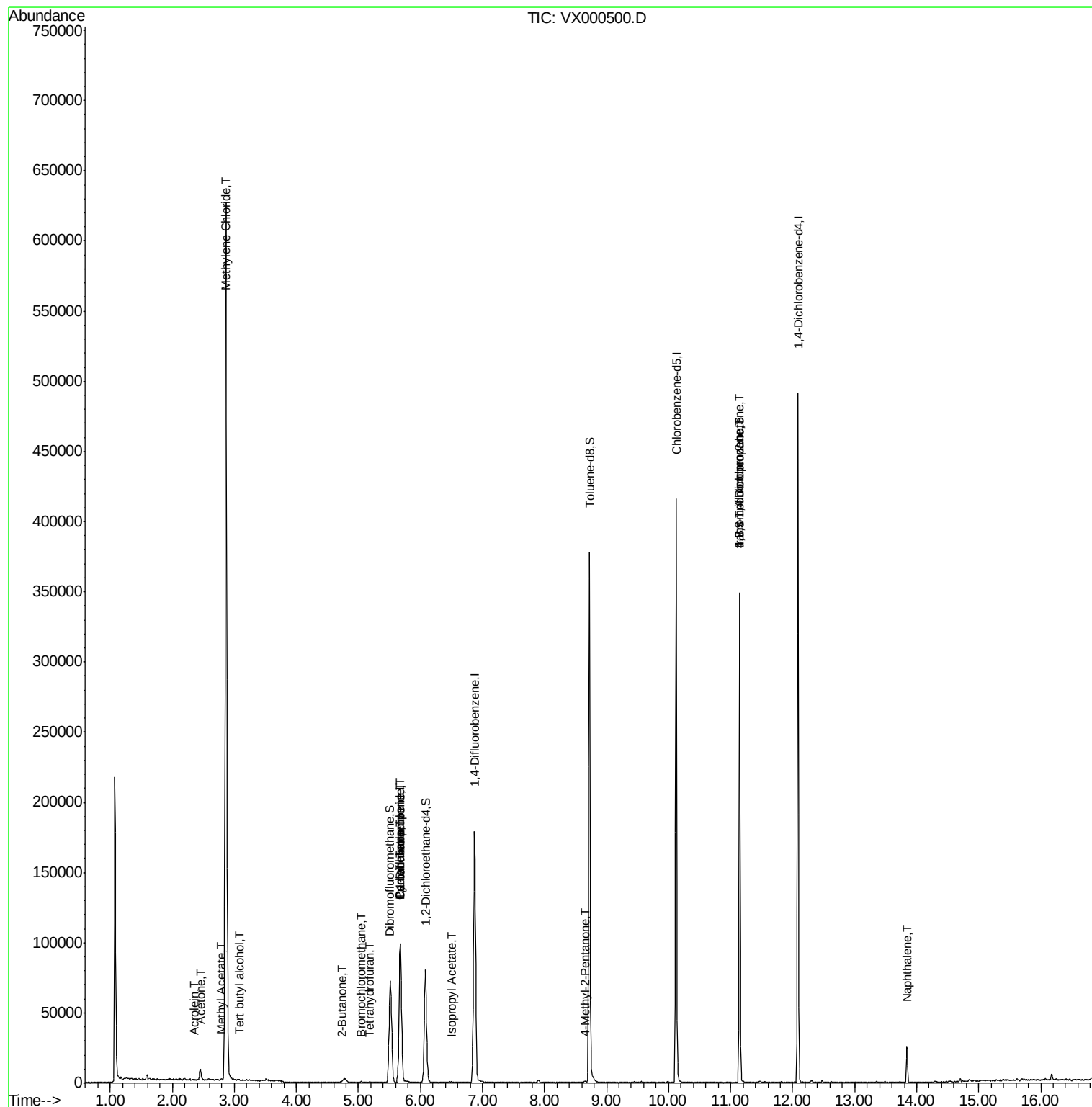
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	74	Below Cal	#	44
11) Tert butyl alcohol	3.08	59	433	1.02	ug/l #	72
13) Acrolein	2.37	56	20	14.72	ug/l #	1
16) Acetone	2.45	43	9006	8.76	ug/l	90
18) Methyl Acetate	2.79	43	511	0.24	ug/l #	51
20) Methylene Chloride	2.86	84	277996	234.00	ug/l	96
25) 2-Butanone	4.73	43	1464	1.27	ug/l #	85
28) Bromochloromethane	5.04	49	422	0.51	ug/l #	97
29) Tetrahydrofuran	5.19	42	428	0.60	ug/l #	45
31) Cyclohexane	5.67	56	2503	1.60	ug/l #	51
36) 1,1-Dichloropropene	5.68	75	7675	4.64	ug/l #	52
38) Carbon Tetrachloride	5.67	117	9552	5.51	ug/l #	13
43) Isopropyl Acetate	6.49	43	1260	0.37	ug/l #	62
51) 4-Methyl-2-Pentanone	8.66	43	825	0.32	ug/l #	61
74) N-amyl acetate	6.49	43	1260	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	44427	22.22	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	44427	71.94	ug/l #	9
95) Naphthalene	13.84	128	15047	1.98	ug/l	99

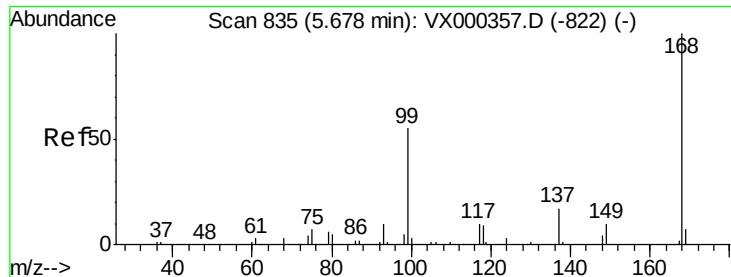
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000500.D

Acq: 28 Mar 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

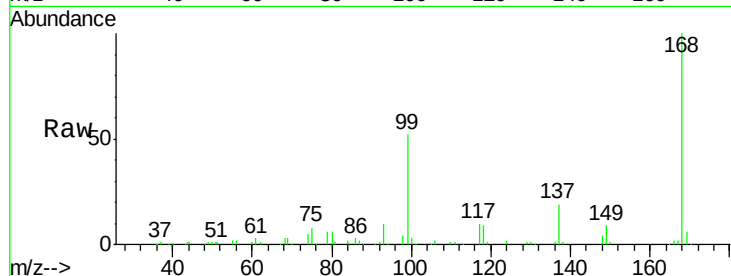
6978

Tgt Ion:168 Resp: 94723

Ion Ratio Lower Upper

168 100

99 52.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

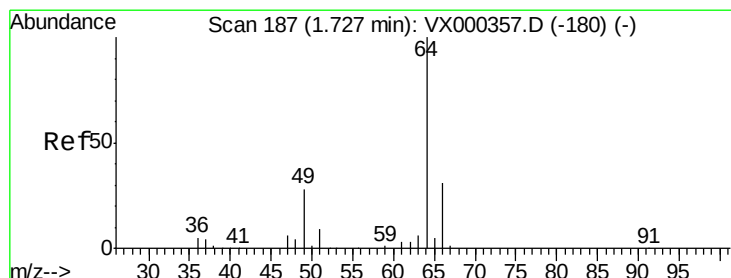
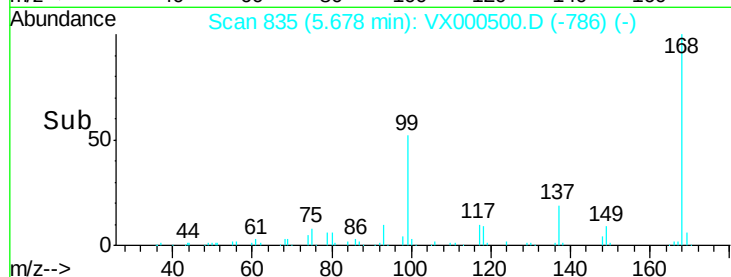
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000500.D

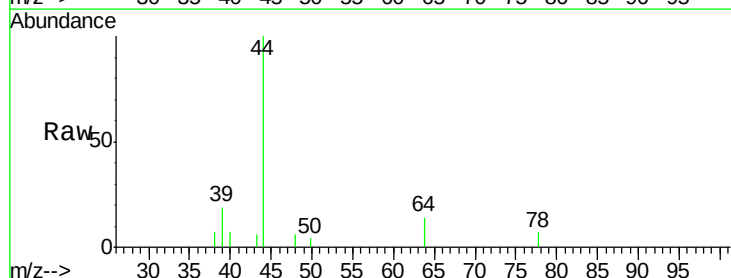
Acq: 28 Mar 2018 20:07

Tgt Ion: 64 Resp: 74

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

1.73

200

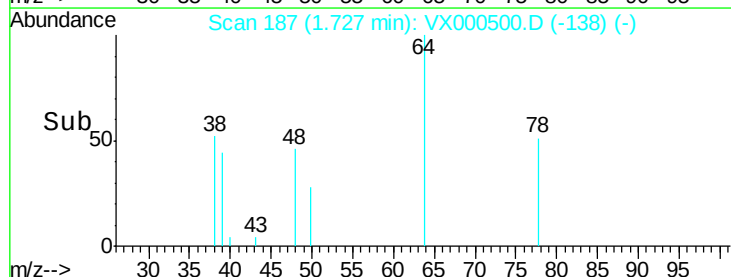
150

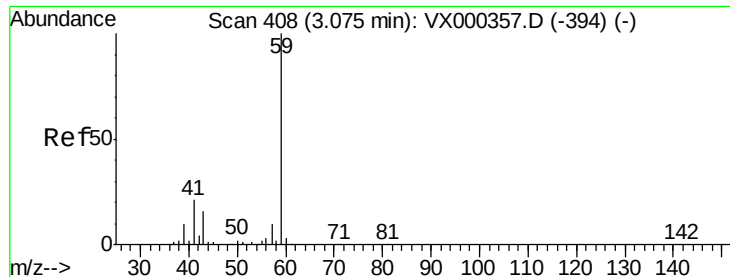
100

50

0

Time-->

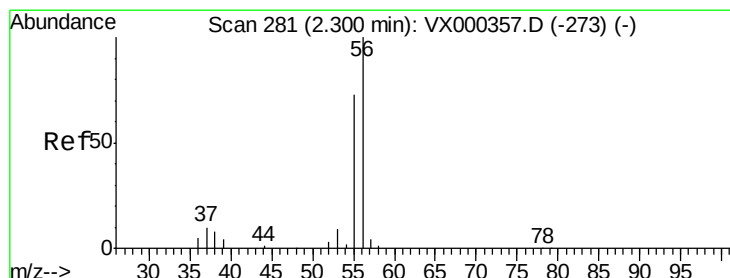
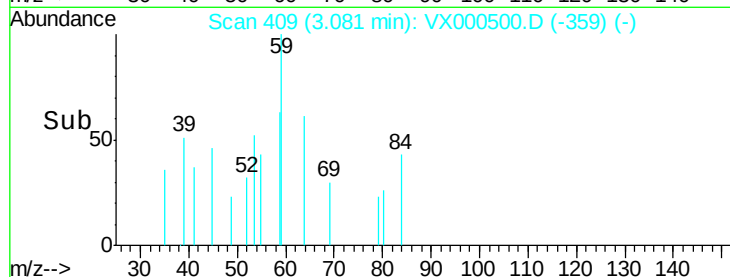
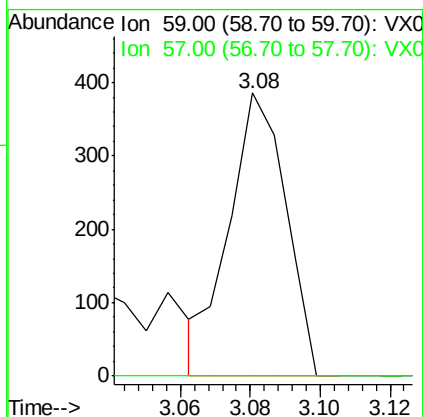
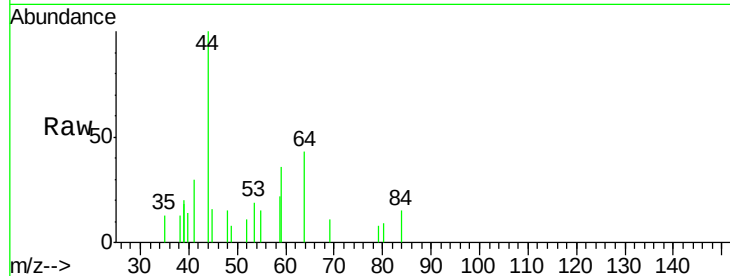




#11
Tert butyl alcohol
Concen: 1.02 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000500.D
Acq: 28 Mar 2018 20:07

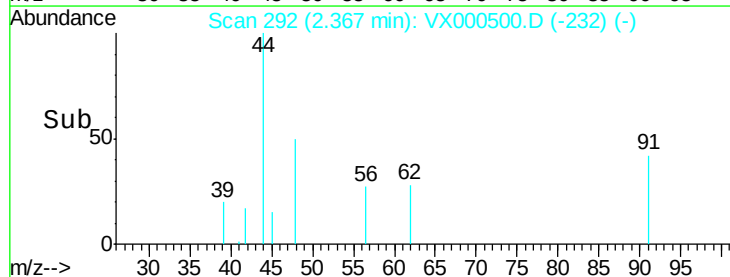
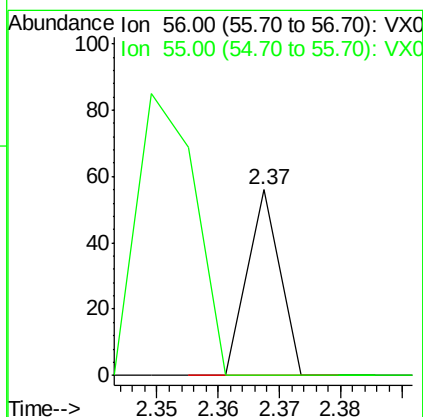
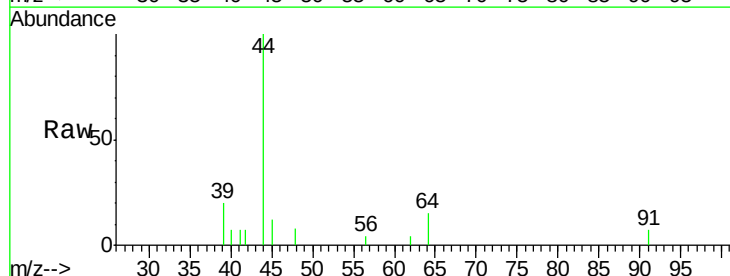
Instrument :
MSVOA_X
ClientSampled :
6978

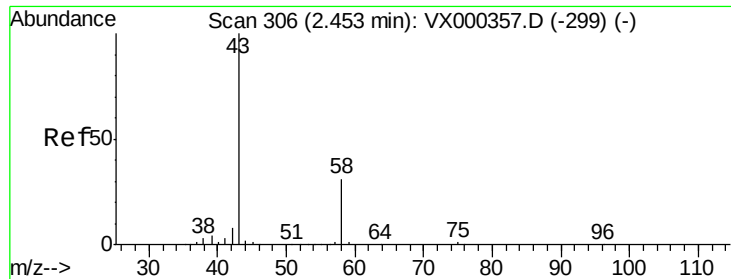
Tgt Ion: 59 Resp: 433
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 14.72 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.07 min
Lab File: VX000500.D
Acq: 28 Mar 2018 20:07

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 280.0 58.8 88.2#





#16

Acetone

Concen: 8.76 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

Instrument :

MSVOA_X

ClientSampled :

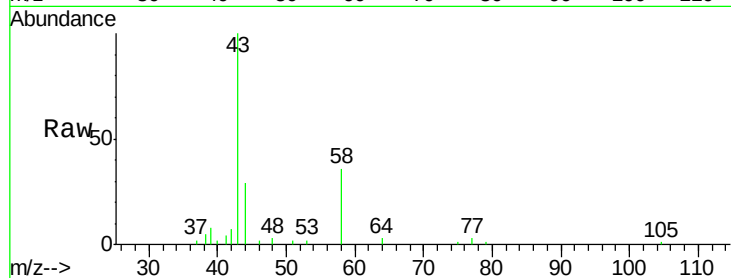
6978

Tgt Ion: 43 Resp: 9006

Ion Ratio Lower Upper

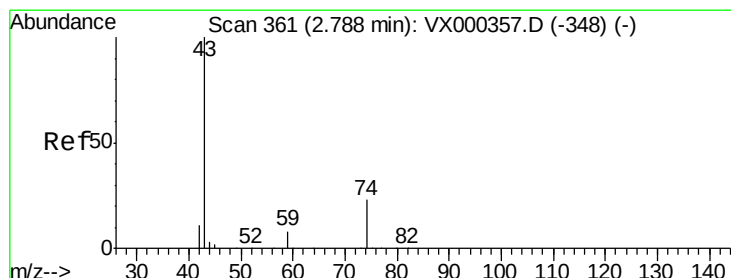
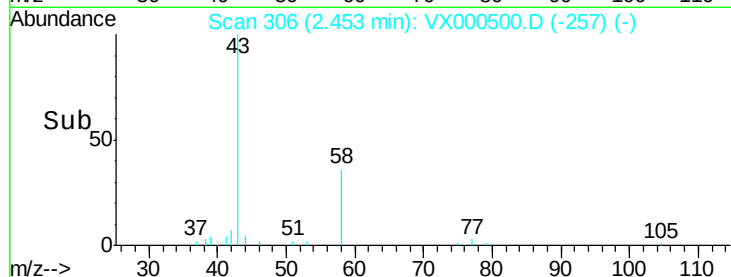
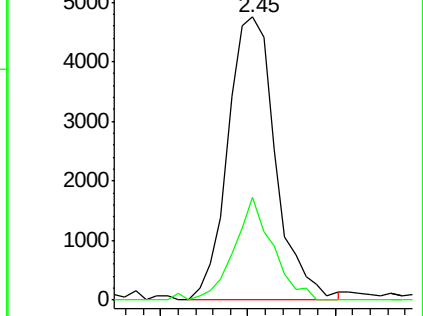
43 100

58 36.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.24 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000500.D

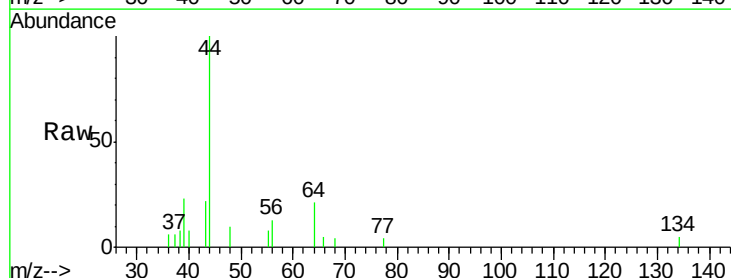
Acq: 28 Mar 2018 20:07

Tgt Ion: 43 Resp: 511

Ion Ratio Lower Upper

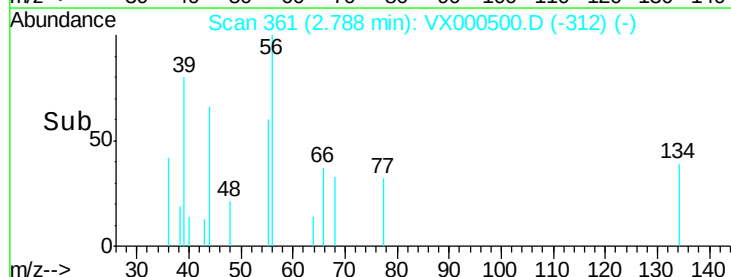
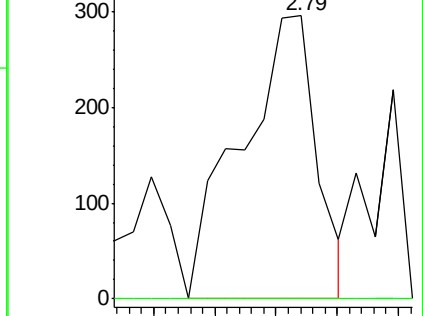
43 100

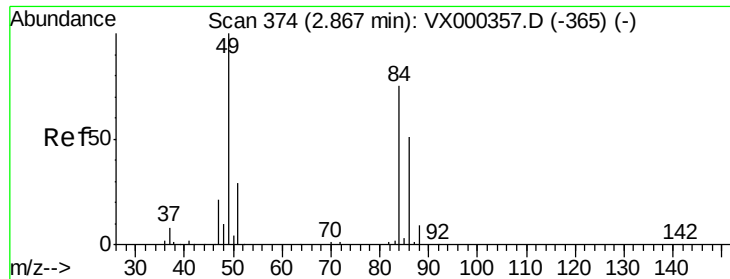
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 234.00 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

6978

Tgt Ion: 84 Resp: 277996

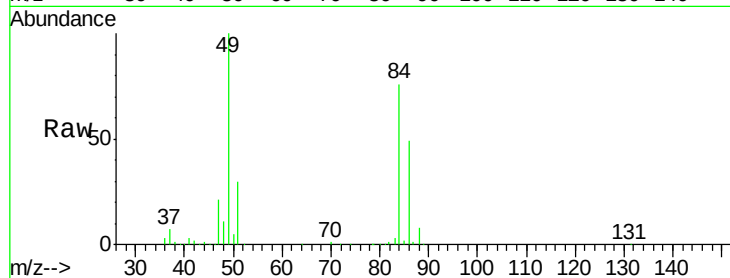
Ion Ratio Lower Upper

84 100

49 131.6 100.6 151.0

51 38.9 31.6 47.4

86 64.0 52.6 78.8

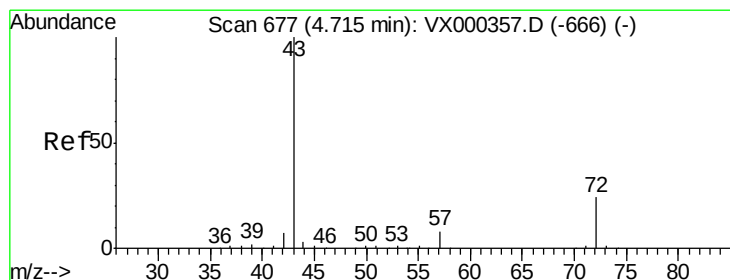
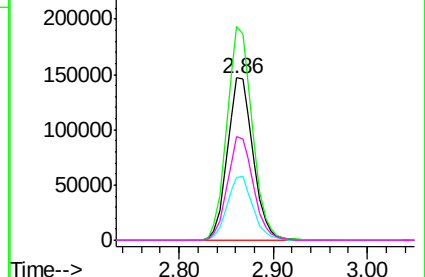
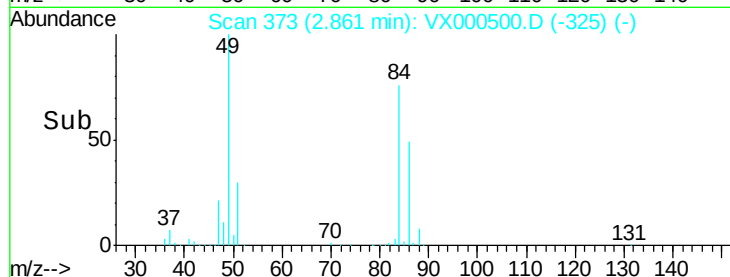


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.27 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX000500.D

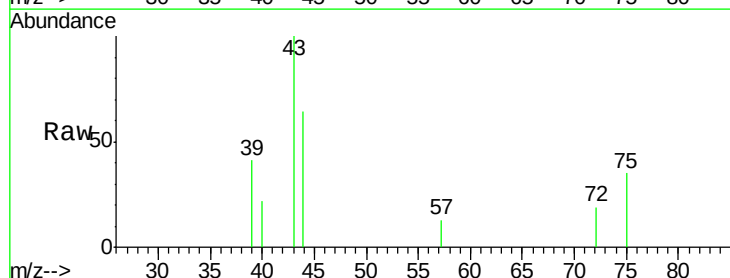
Acq: 28 Mar 2018 20:07

Tgt Ion: 43 Resp: 1464

Ion Ratio Lower Upper

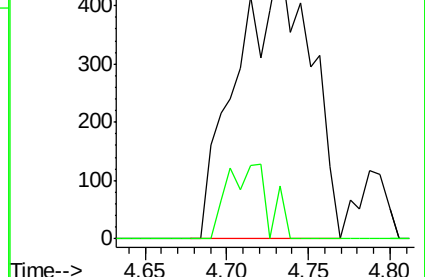
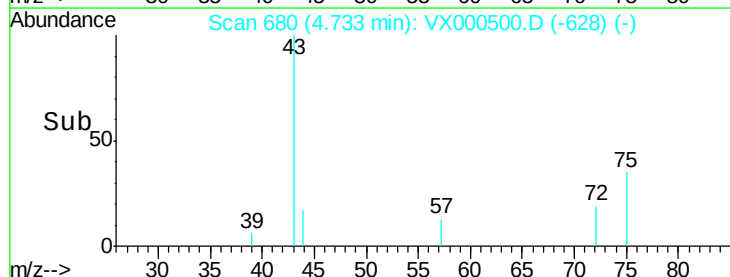
43 100

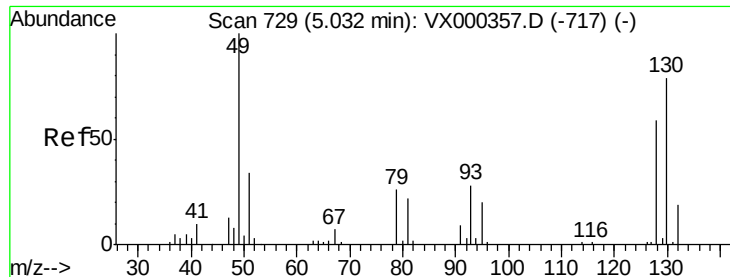
72 18.5 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 0.51 ug/l

RT: 5.04 min Scan# 731

Delta R.T. 0.01 min

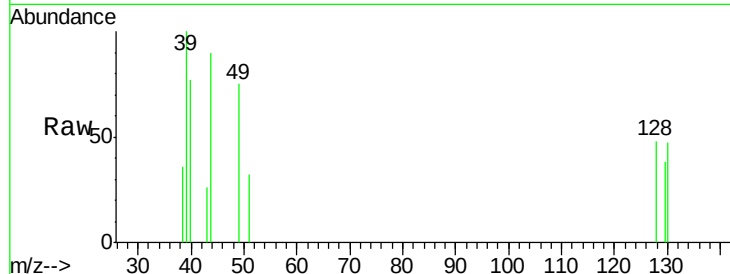
Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

Instrument :
MSVOA_X
ClientSampled :
6978

Tgt Ion: 49 Resp: 422

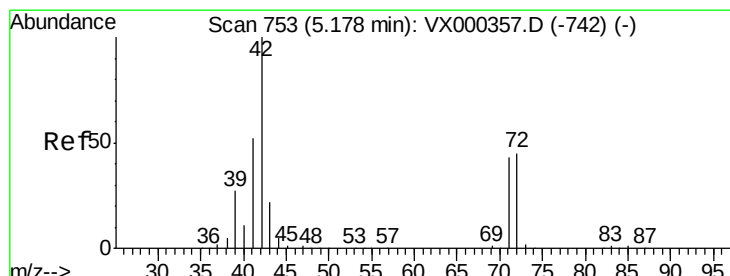
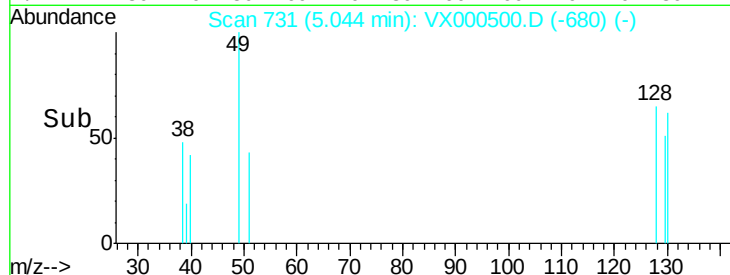
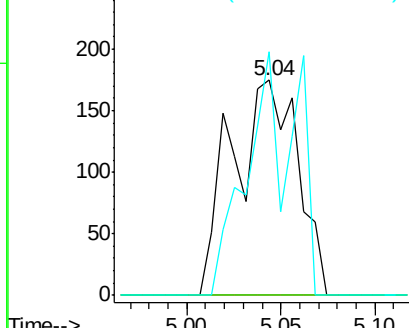
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.0
130	82.2	64.0	96.0



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 5.19 min Scan# 755

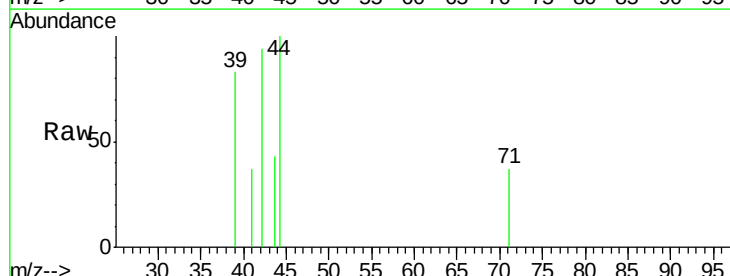
Delta R.T. 0.01 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

Tgt Ion: 42 Resp: 428

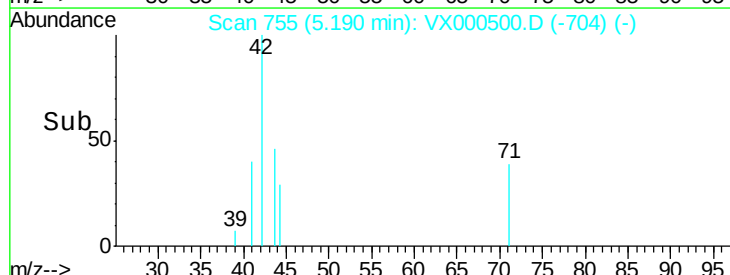
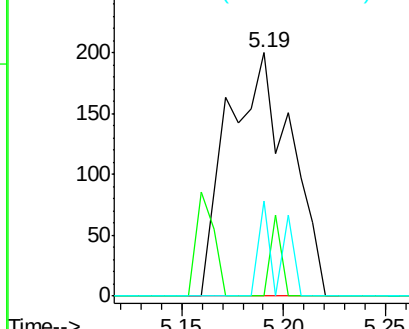
Ion	Ratio	Lower	Upper
42	100		
72	5.8	37.9	56.9#
71	12.4	34.4	51.6#

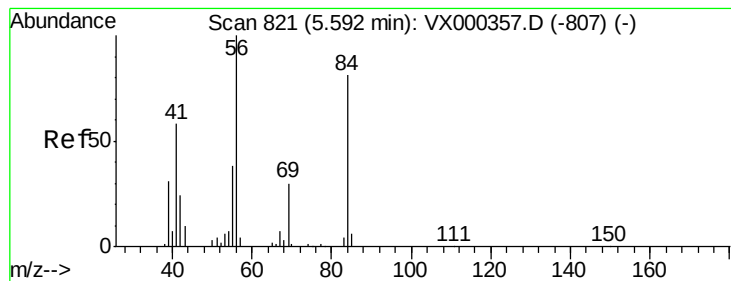


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.60 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.07 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

Instrument :

MSVOA_X

ClientSampled :

6978

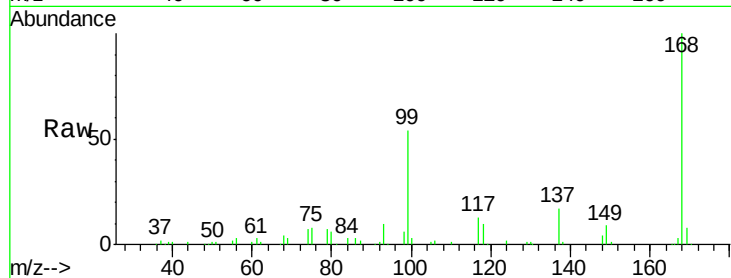
Tgt Ion: 56 Resp: 2503

Ion Ratio Lower Upper

56 100

69 106.8 23.4 35.0#

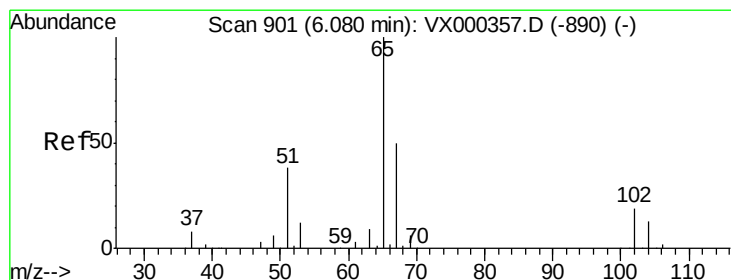
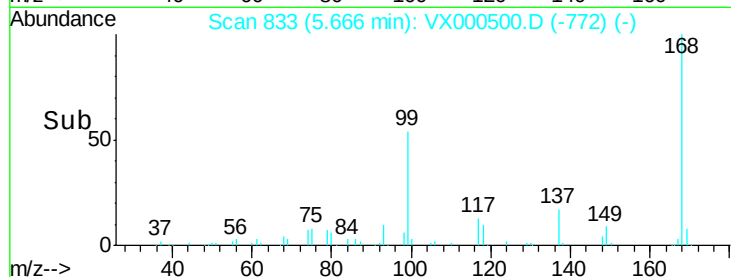
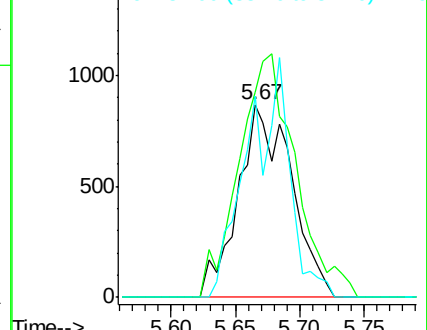
84 104.8 71.0 106.4



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: 58.45 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000500.D

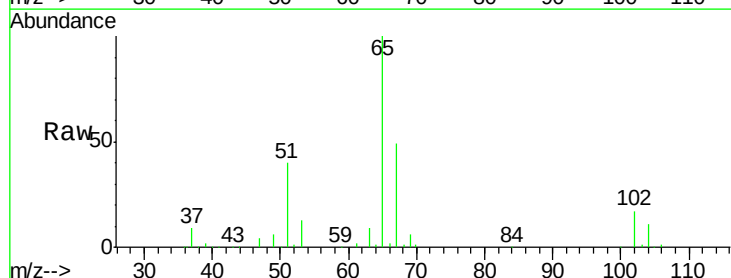
Acq: 28 Mar 2018 20:07

Tgt Ion: 65 Resp: 72276

Ion Ratio Lower Upper

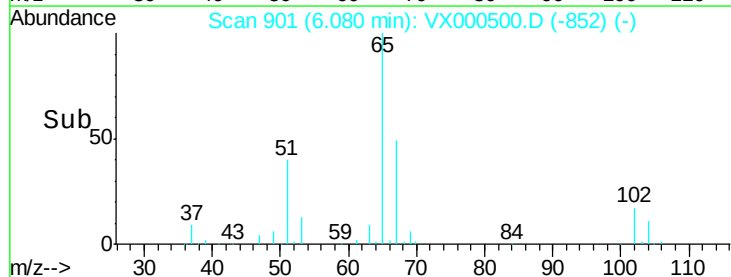
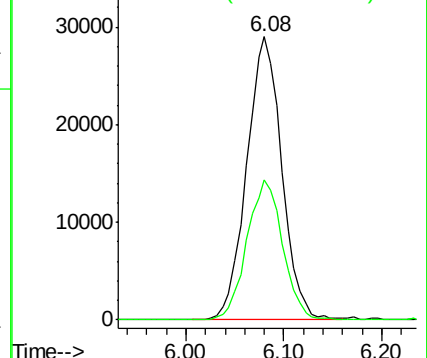
65 100

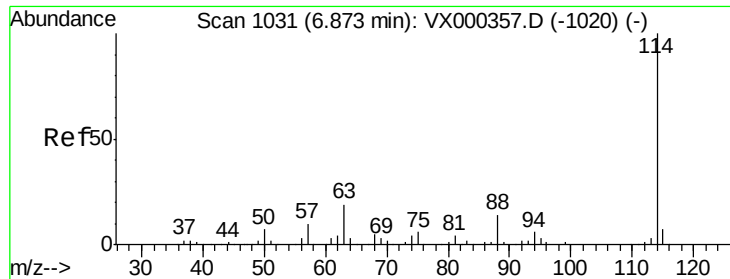
67 50.4 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

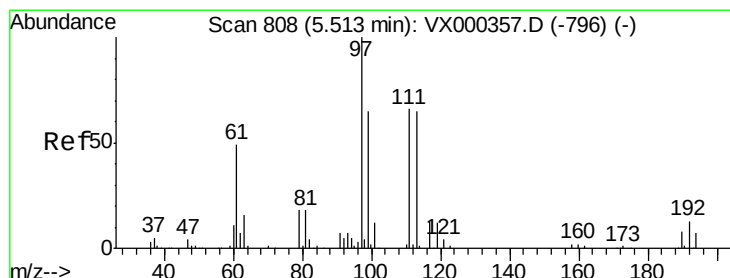
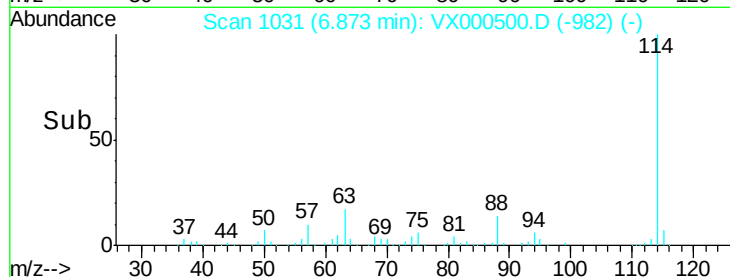
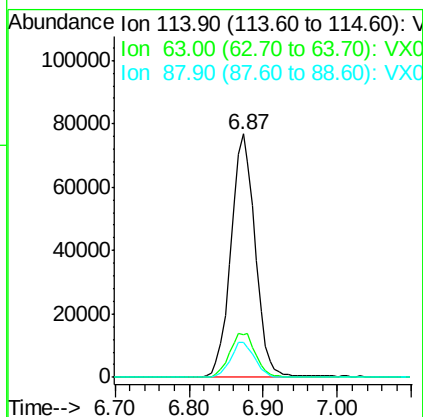
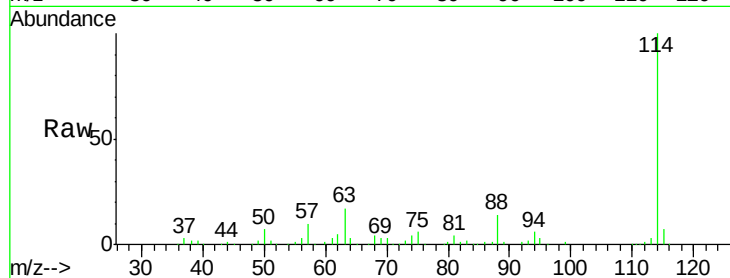




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000500.D
 Acq: 28 Mar 2018 20:07

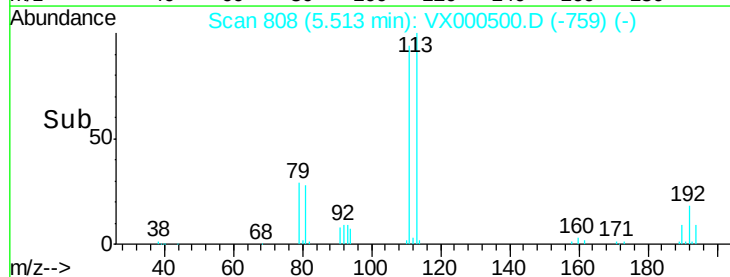
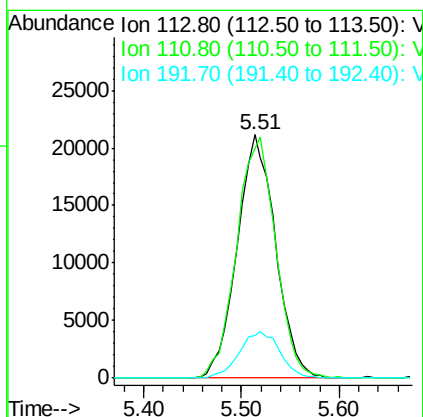
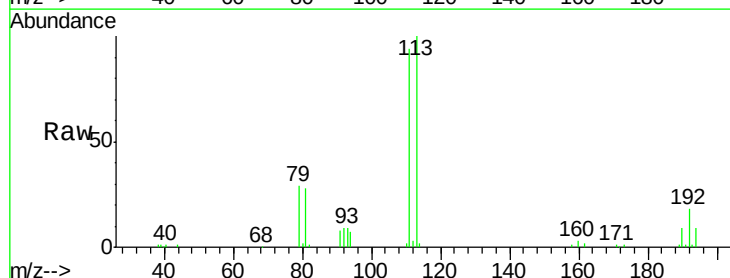
Instrument :
 MSVOA_X
 ClientSampled :
 6978

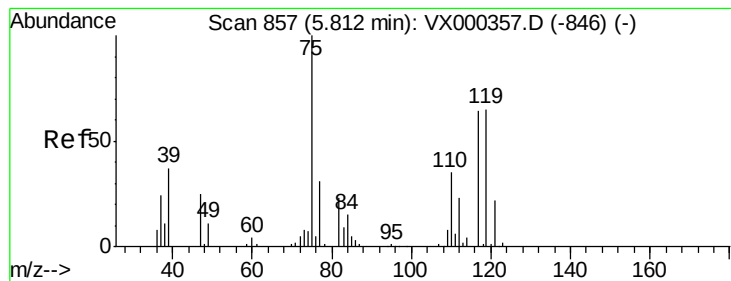
Tgt Ion:114 Resp: 176543
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 38.4
 88 14.3 0.0 27.0



#35
 Dibromofluoromethane
 Concen: 51.83 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000500.D
 Acq: 28 Mar 2018 20:07

Tgt Ion:113 Resp: 57649
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.4 123.6
 192 20.2 15.8 23.6





#36

1,1-Dichloropropene

Concen: 4.64 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

6978

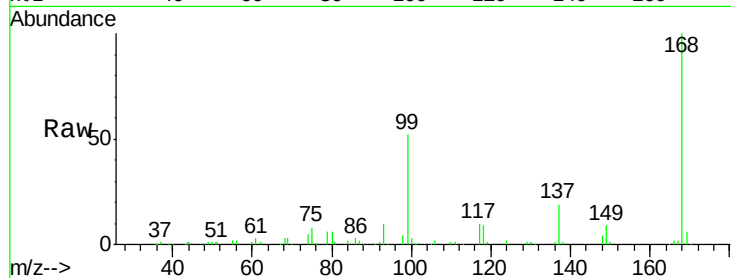
Tgt Ion: 75 Resp: 7675

Ion Ratio Lower Upper

75 100

110 10.9 17.9 53.7#

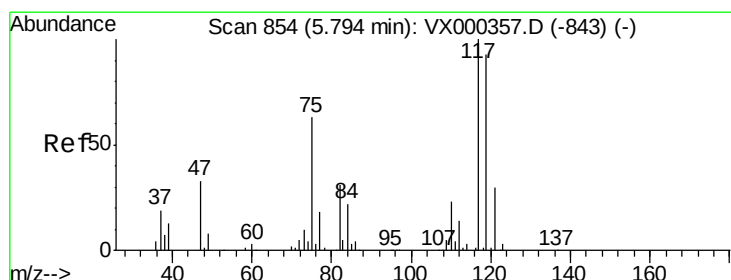
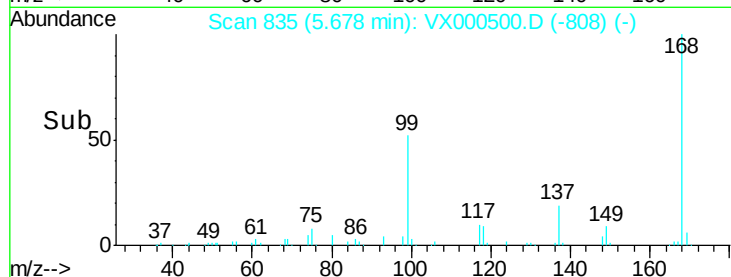
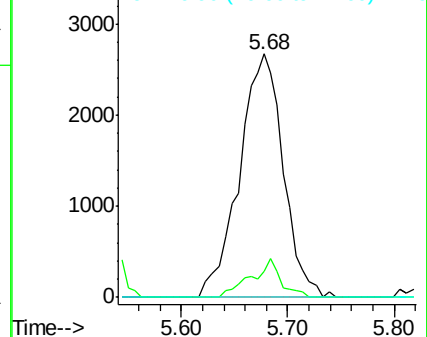
77 0.0 24.0 36.0#



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: 5.51 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

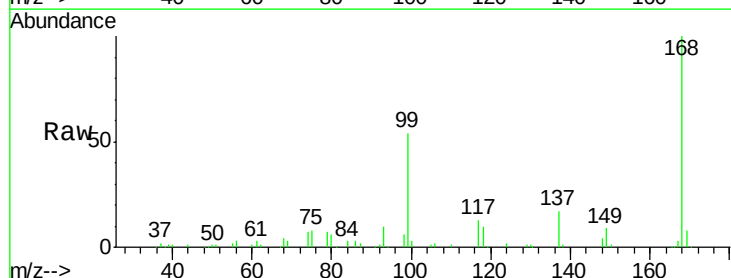
Tgt Ion: 117 Resp: 9552

Ion Ratio Lower Upper

117 100

119 1.9 77.4 116.2#

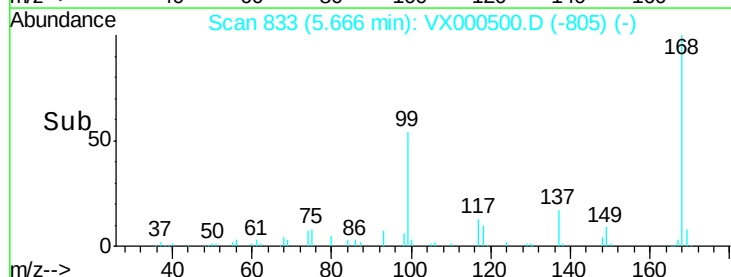
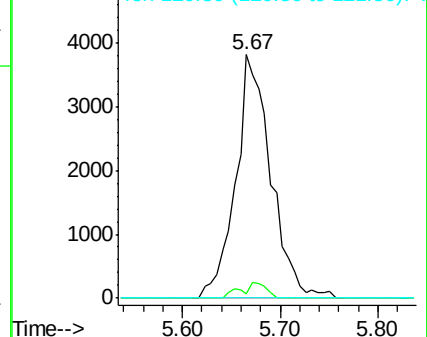
121 0.0 24.8 37.2#

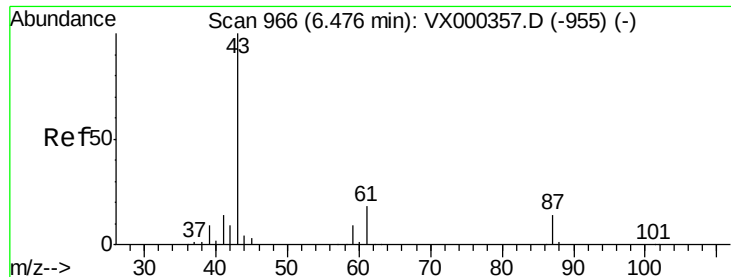


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.37 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

Instrument :

MSVOA_X

ClientSampled :

6978

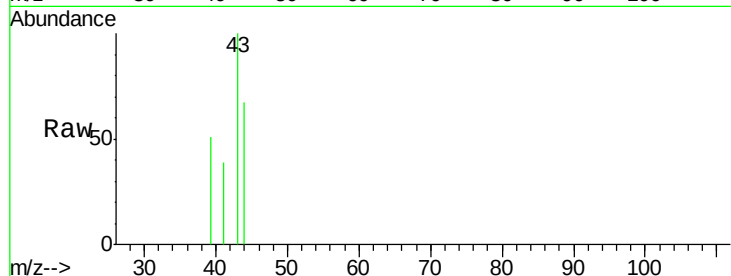
Tgt Ion: 43 Resp: 1260

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

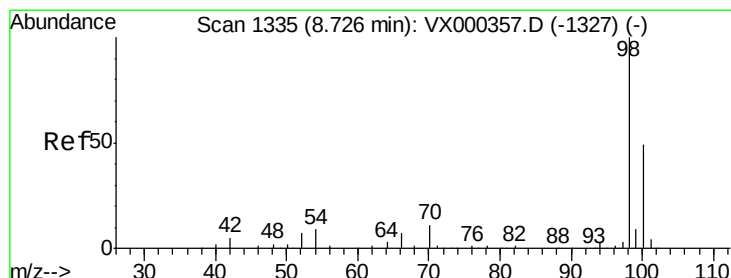
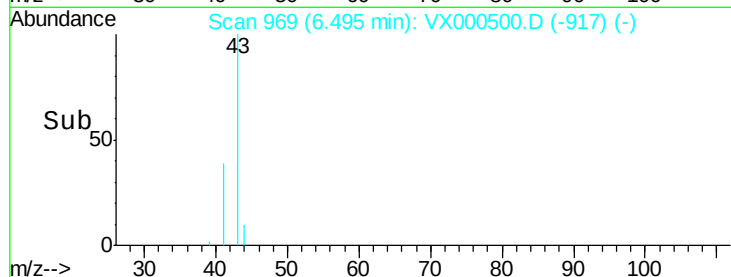
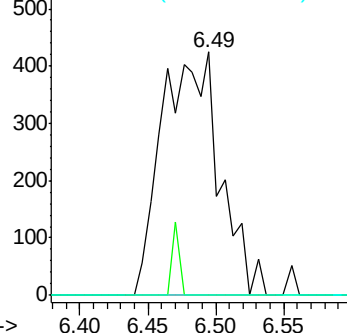
87 0.0 11.0 16.4#



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: 48.02 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000500.D

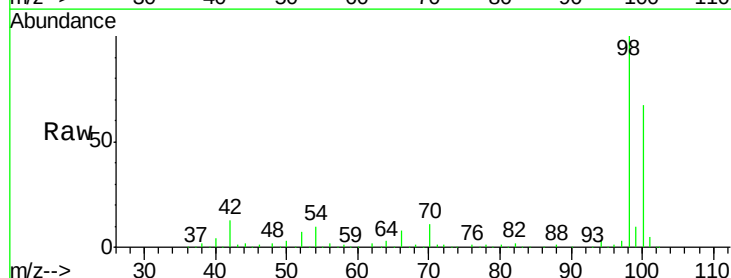
Acq: 28 Mar 2018 20:07

Tgt Ion: 98 Resp: 221244

Ion Ratio Lower Upper

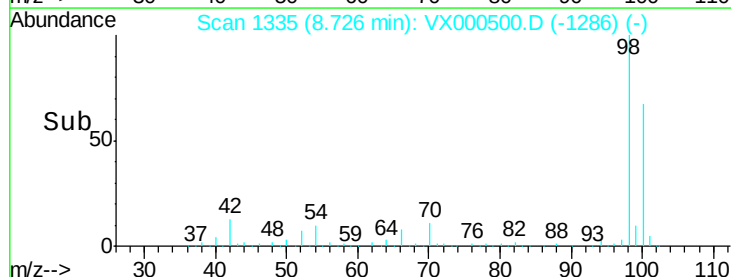
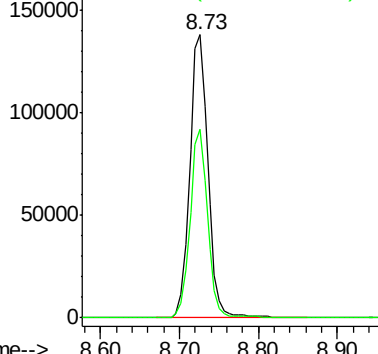
98 100

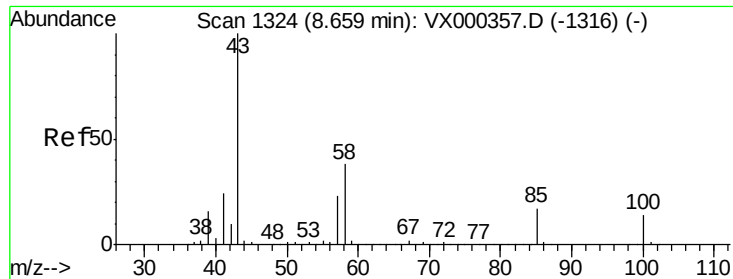
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

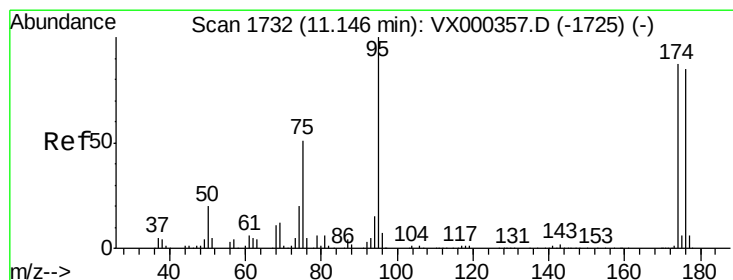
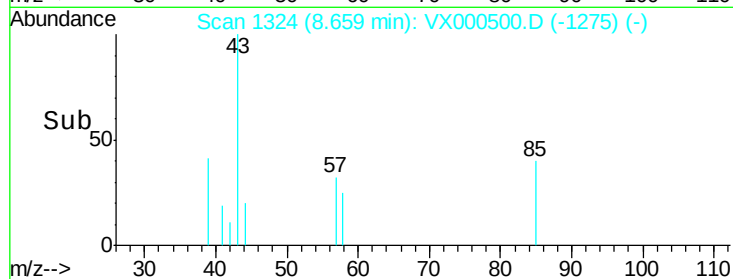
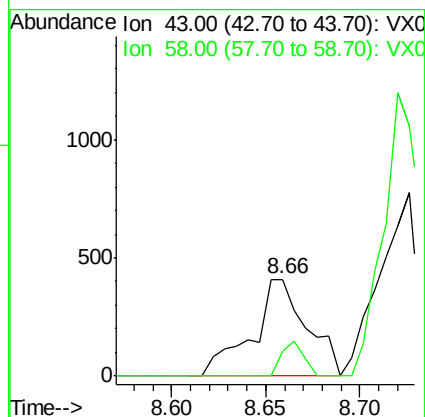
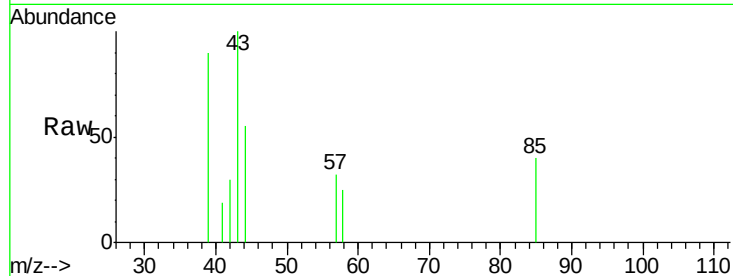




#51
 4-Methyl-2-Pentanone
 Concen: 0.32 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX000500.D
 Acq: 28 Mar 2018 20:07

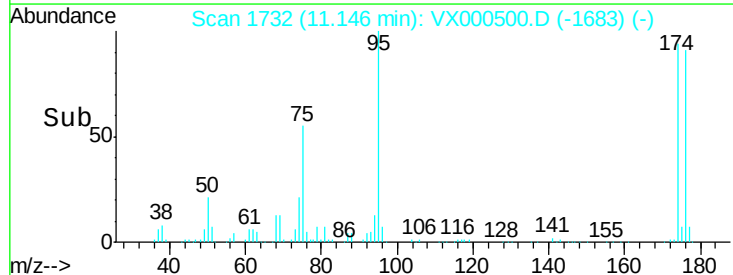
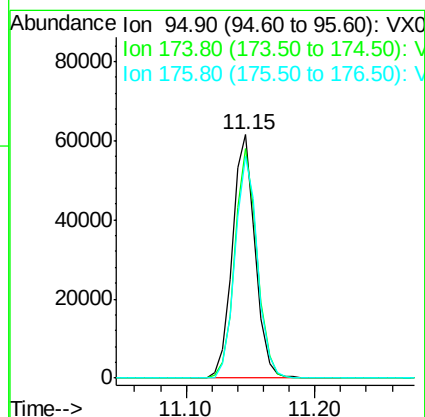
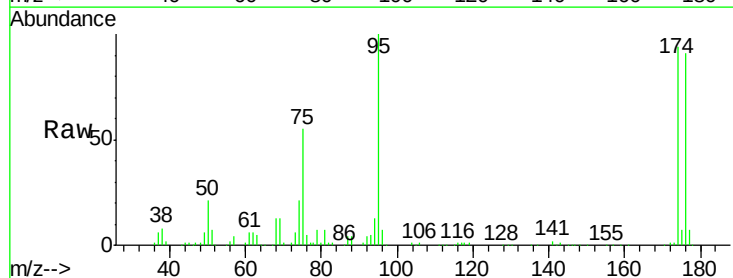
Instrument :
 MSVOA_X
 ClientSampled :
 6978

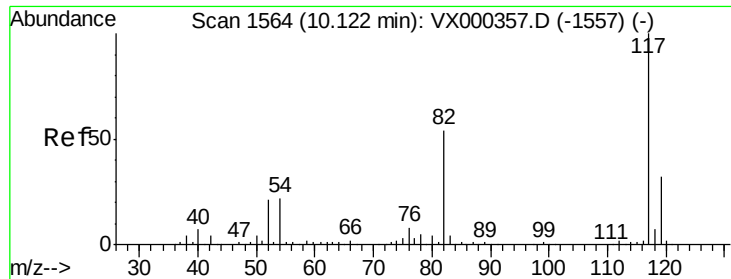
Tgt Ion: 43 Resp: 825
 Ion Ratio Lower Upper
 43 100
 58 14.3 30.3 45.5#



#62
 4-Bromofluorobenzene
 Concen: 40.49 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000500.D
 Acq: 28 Mar 2018 20:07

Tgt Ion: 95 Resp: 76206
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 173.6
 176 89.9 0.0 164.6

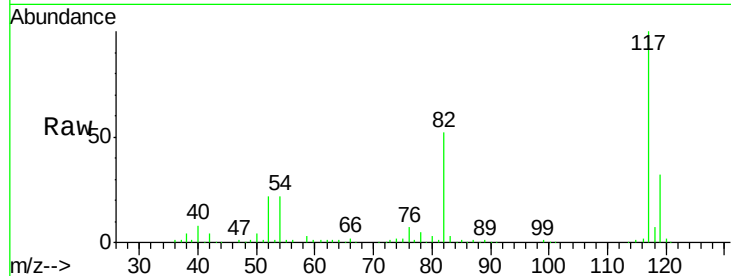




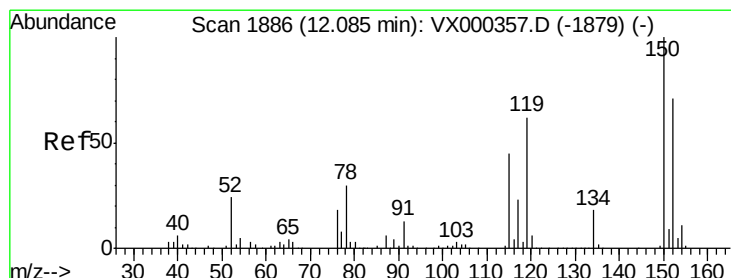
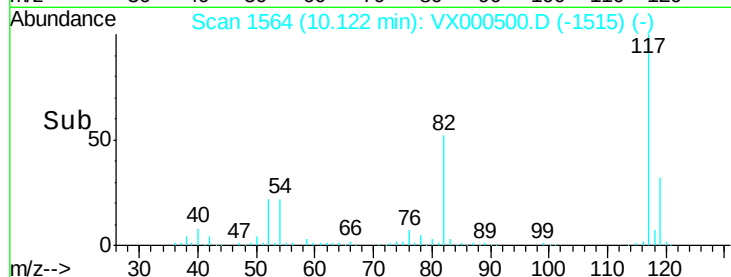
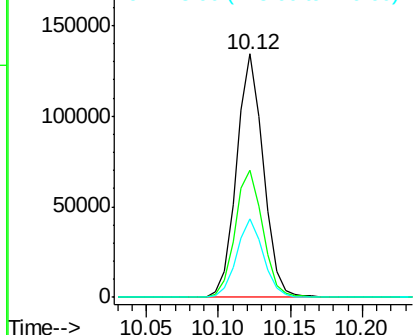
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000500.D
Acq: 28 Mar 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
6978

Tgt Ion:117 Resp: 174602
Ion Ratio Lower Upper
117 100
82 52.2 43.8 65.8
119 32.2 24.9 37.3

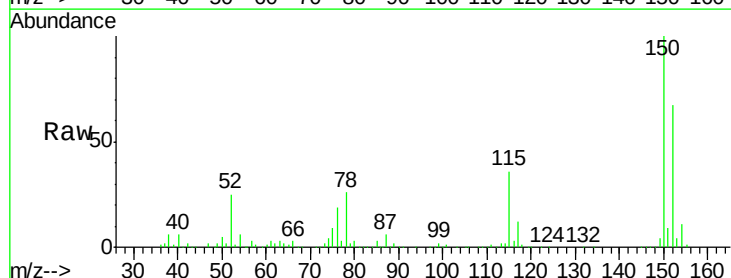


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

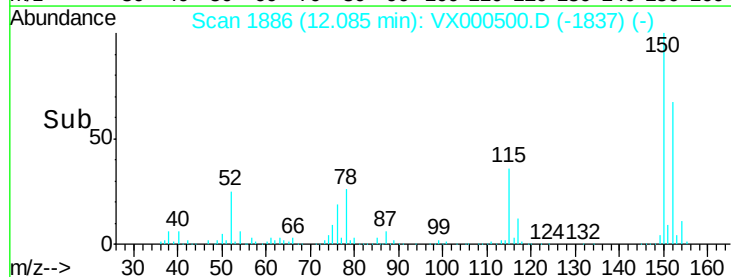
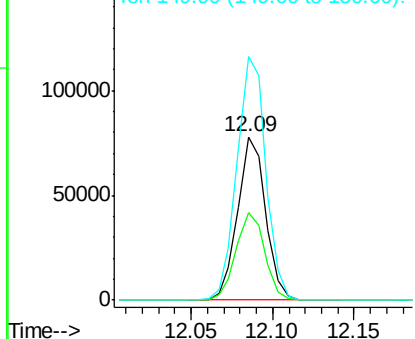


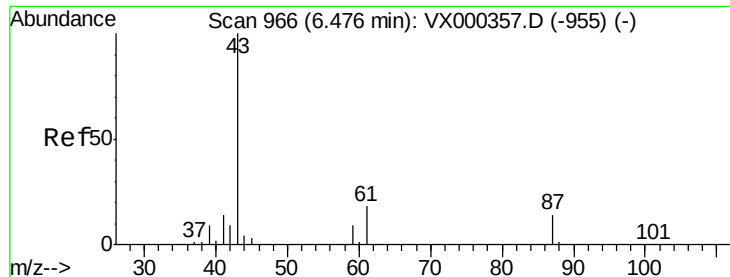
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000500.D
Acq: 28 Mar 2018 20:07

Tgt Ion:152 Resp: 93039
Ion Ratio Lower Upper
152 100
115 55.1 39.8 119.3
150 154.2 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: Below Cal

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

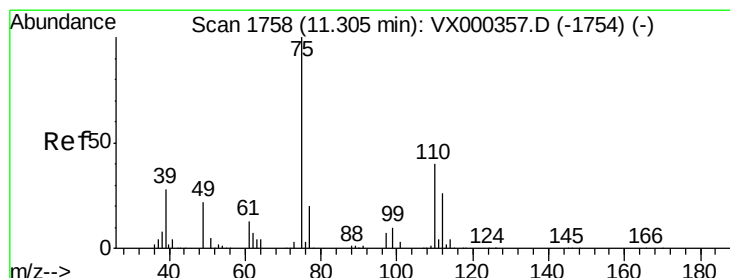
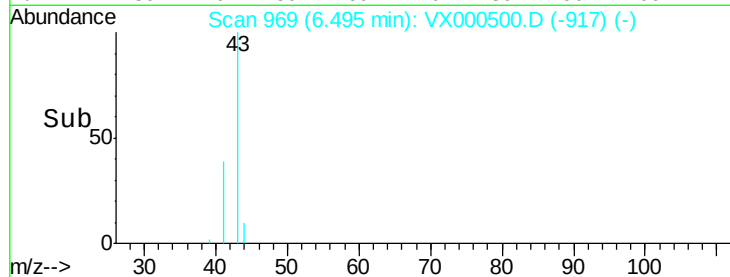
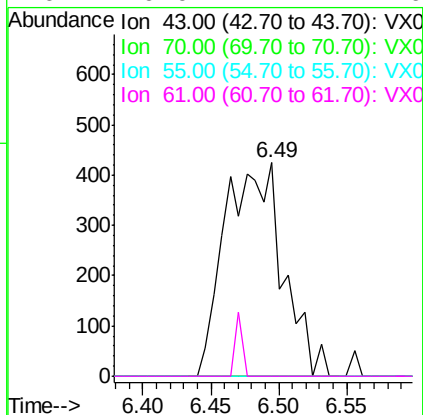
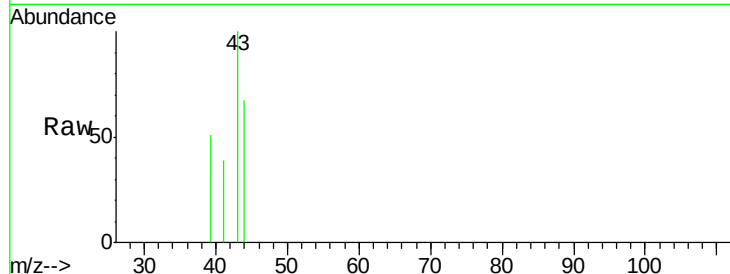
Instrument :

MSVOA_X

ClientSampleId :

6978

Tgt Ion:	43	Resp:	1260
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#



#76

1,2,3-Trichloropropane

Concen: 22.22 ug/l

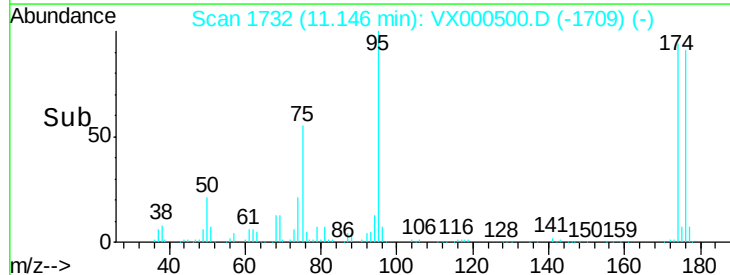
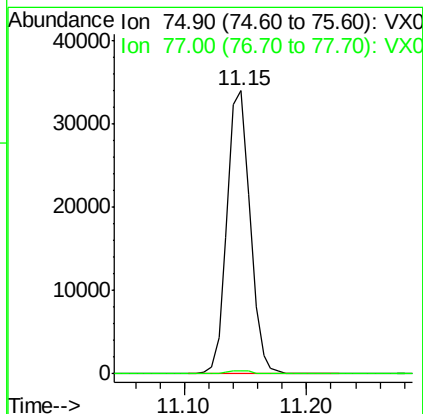
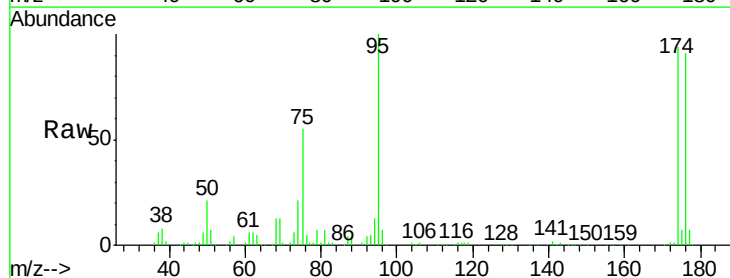
RT: 11.15 min Scan# 1732

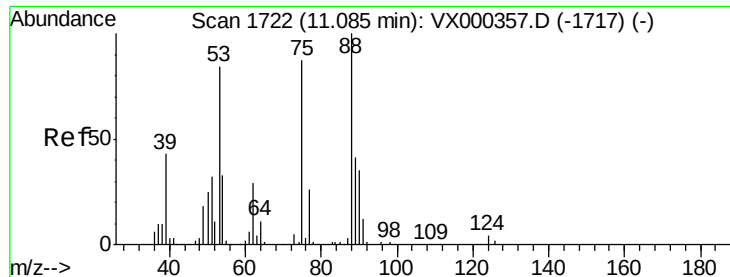
Delta R.T. -0.16 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

Tgt Ion:	75	Resp:	44427
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.4	64.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.94 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

Instrument :

MSVOA_X

ClientSampled :

6978

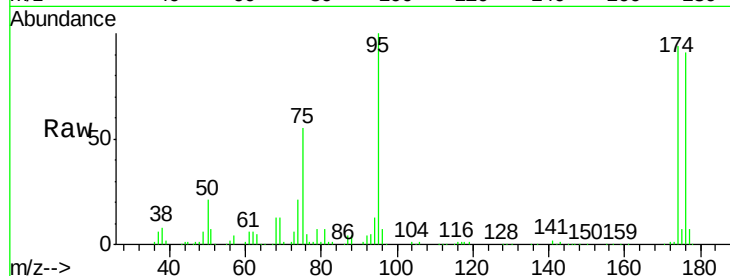
Tgt Ion: 75 Resp: 44427

Ion Ratio Lower Upper

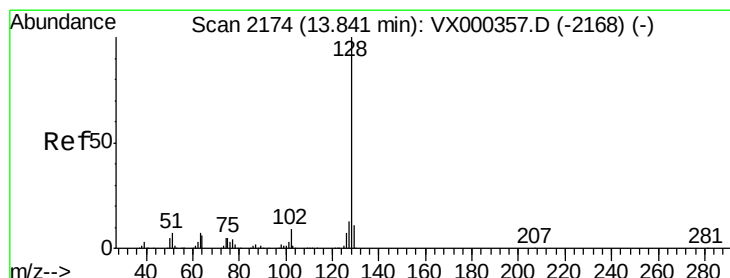
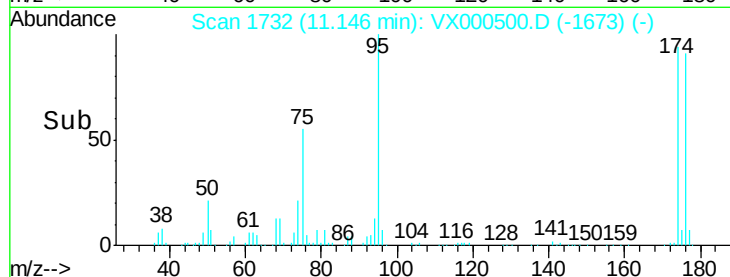
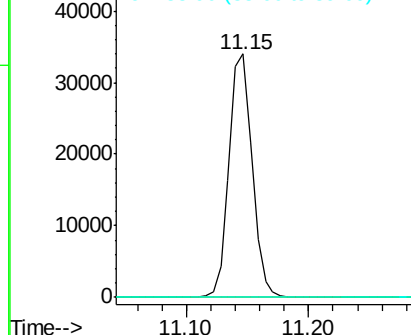
75 100

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



#95

Naphthalene

Concen: 1.98 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000500.D

Acq: 28 Mar 2018 20:07

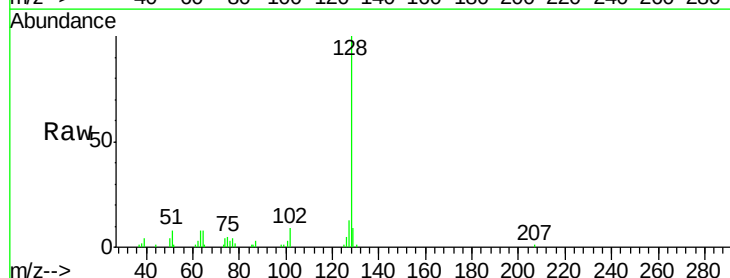
Tgt Ion: 128 Resp: 15047

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

129 11.2 8.9 13.3



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

