

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000590.D
 Acq On : 31 Mar 2018 14:02
 Operator : JC/MD
 Sample : J2142-06 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:16:37 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	129057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	219715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	216781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116677	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	89155	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	5.51	113	67898	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	8.73	98	275305	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.15	95	99775	42.27	ug/l	0.00
Spiked Amount			Recovery	=	84.54%	

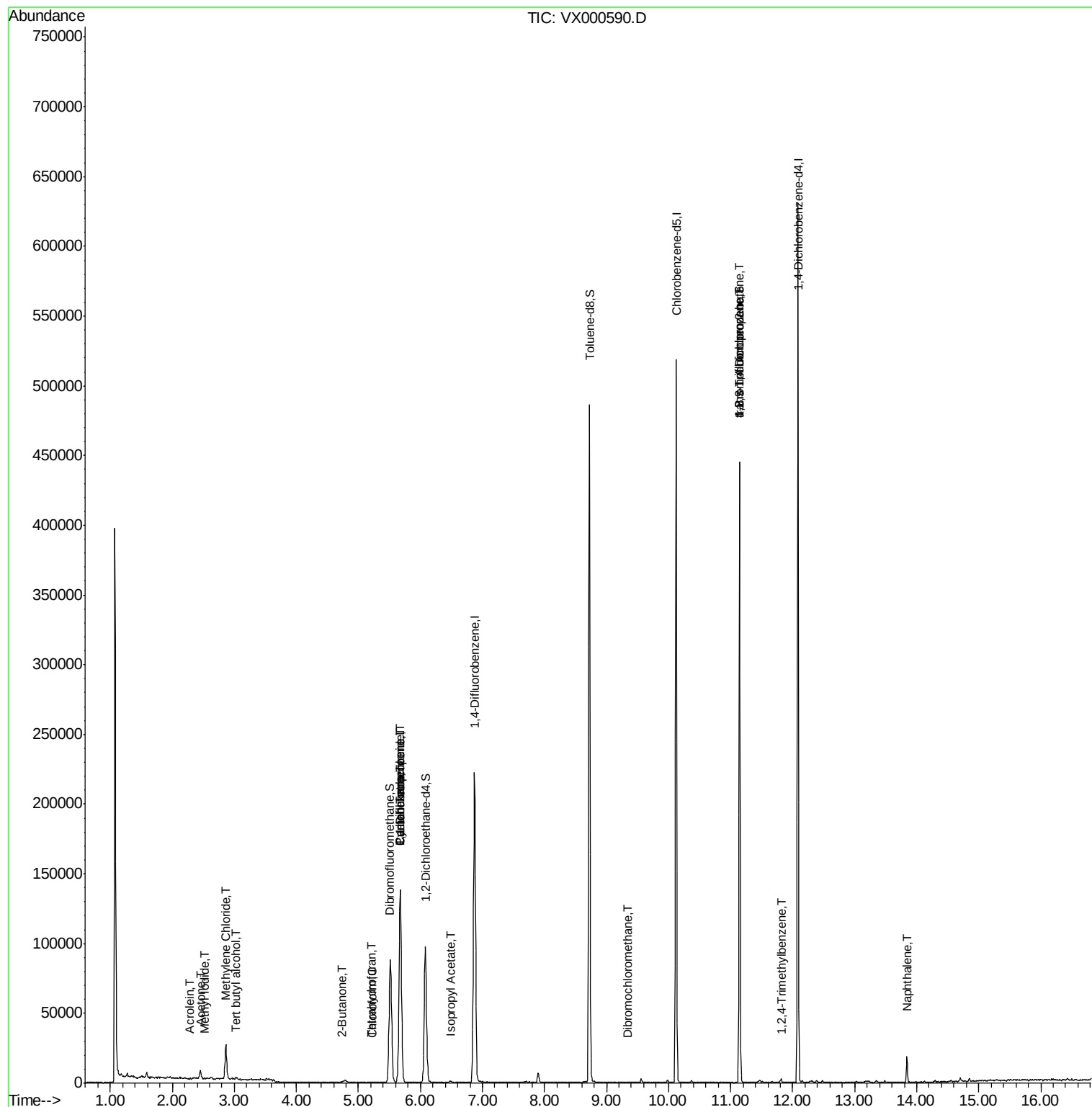
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	179	Below Cal	#	44
10) Methyl Iodide	2.53	142	256	4.424	ug/l #	49
11) Tert butyl alcohol	3.03	59	742	1.280	ug/l #	72
13) Acrolein	2.29	56	37	14.766	ug/l #	13
14) Allyl chloride	2.74	41	112	Below Cal	#	65
16) Acetone	2.45	43	6119	4.366	ug/l #	83
20) Methylene Chloride	2.87	84	11213	6.927	ug/l	91
25) 2-Butanone	4.73	43	929	0.590	ug/l #	49
29) Tetrahydrofuran	5.20	42	290	0.299	ug/l #	31
30) Chloroform	5.23	83	519	0.201	ug/l	86
31) Cyclohexane	5.67	56	3200	1.506	ug/l #	29
36) 1,1-Dichloropropene	5.67	75	10458	5.081	ug/l #	51
38) Carbon Tetrachloride	5.67	117	12711	5.887	ug/l #	17
43) Isopropyl Acetate	6.48	43	1245	0.298	ug/l #	94
60) Dibromochloromethane	9.34	129	29	4.130	ug/l #	12
74) N-amyl acetate	6.48	43	1245	Below Cal	#	96
76) 1,2,3-Trichloropropane	11.15	75	57953	23.112	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	57953	74.826	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1445	0.212	ug/l	88
95) Naphthalene	13.84	128	9940	1.043	ug/l	98

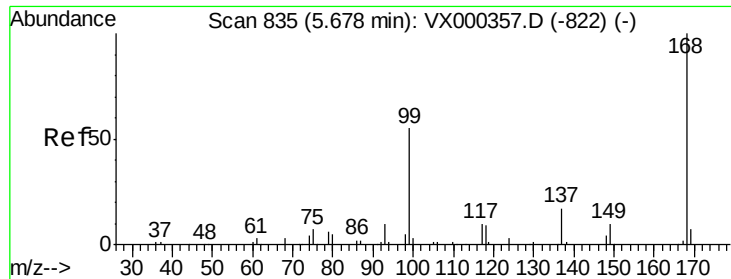
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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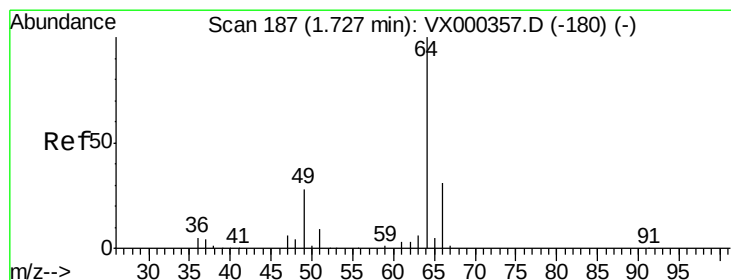
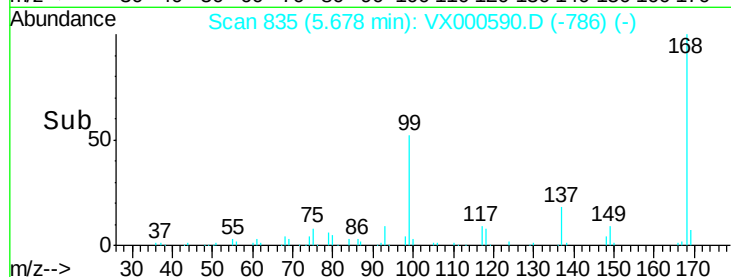
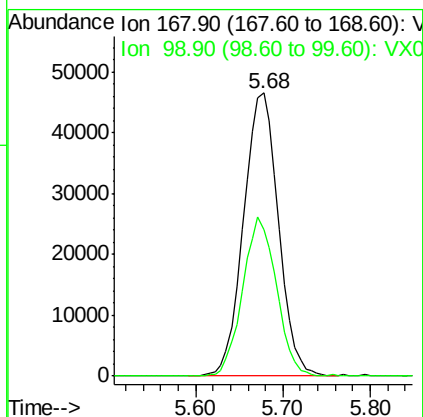
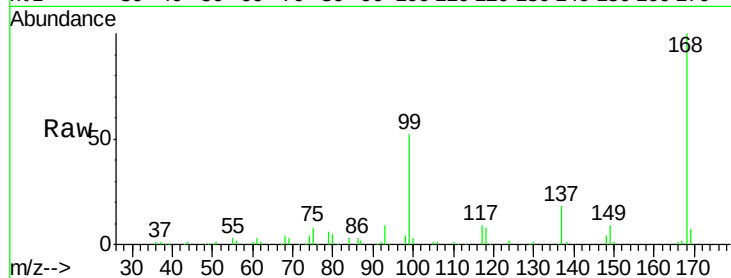




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.00 min
Lab File: VX000590.D
Acq: 31 Mar 2018 14:02

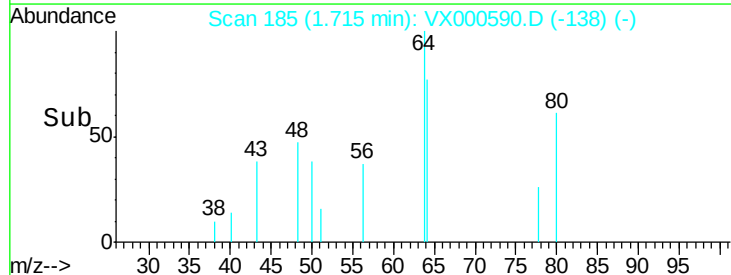
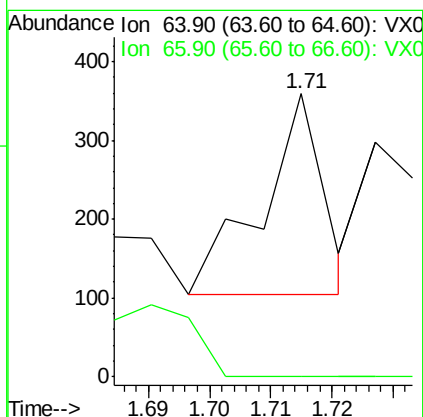
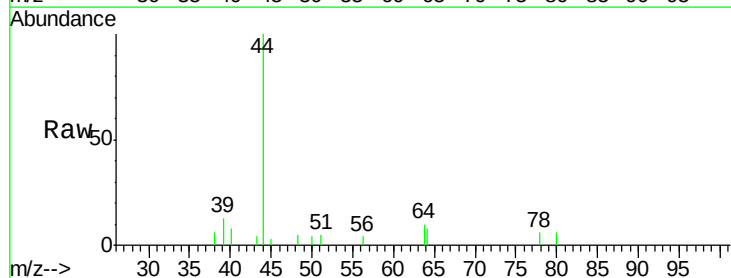
Instrument :
MSVOA_X
ClientSampleId :

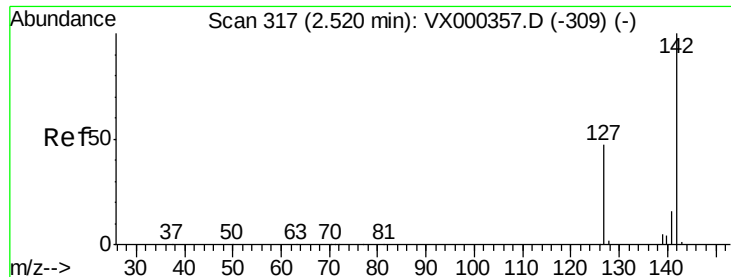
Tot Ion:168 Resp: 129057
Ion Ratio Lower Upper
168 100
99 51.9 45.8 68.6



#6
Chloroethane
Concen: Below Cal
RT: 1.71 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX000590.D
Acq: 31 Mar 2018 14:02

Tgt Ion: 64 Resp: 179
Ion Ratio Lower Upper
64 100
66 0.0 24.8 37.2#

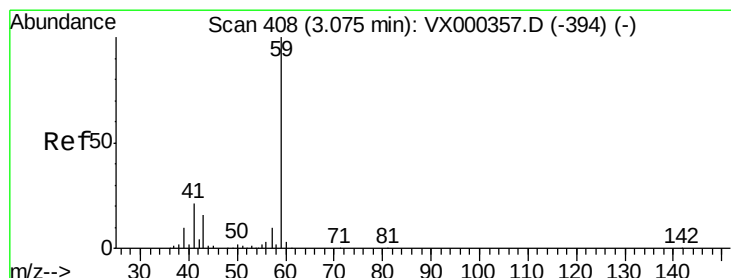
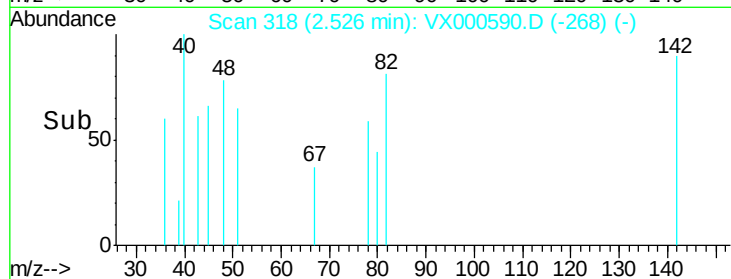
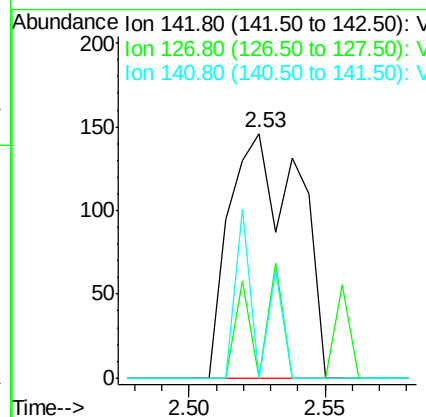
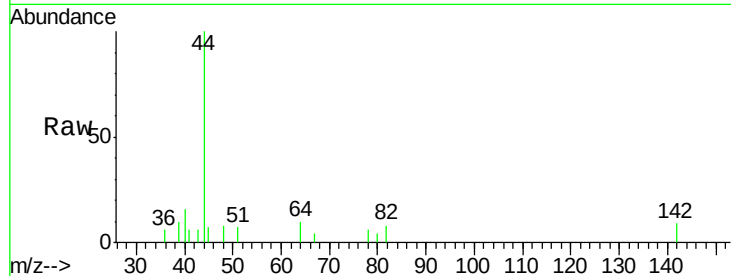




#10
Methyl Iodide
Concen: 4.424 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000590.D
Acq: 31 Mar 2018 14:02

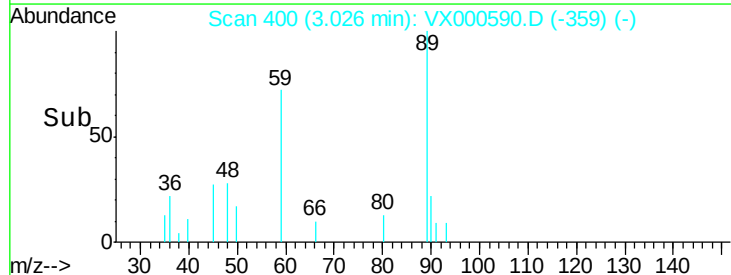
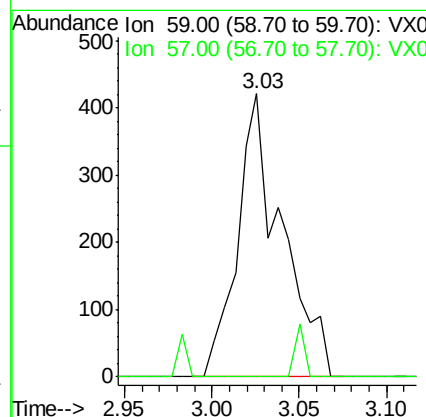
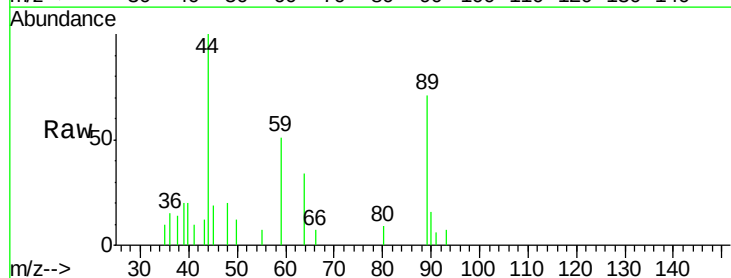
Instrument :
MSVOA_X
ClientSampleId :

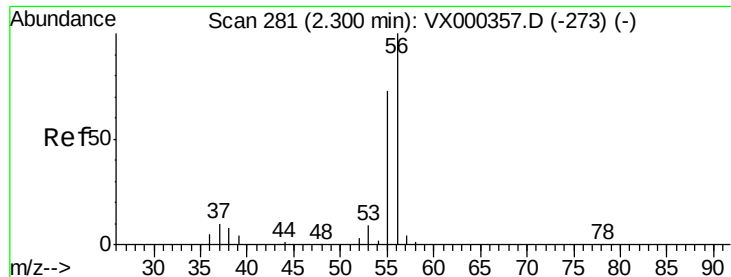
Tot Ion:142 Resp: 256
Ion Ratio Lower Upper
142 100
127 8.2 39.2 58.8#
141 23.4 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.280 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX000590.D
Acq: 31 Mar 2018 14:02

Tgt Ion: 59 Resp: 742
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 14.766 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Instrument :

MSVOA_X

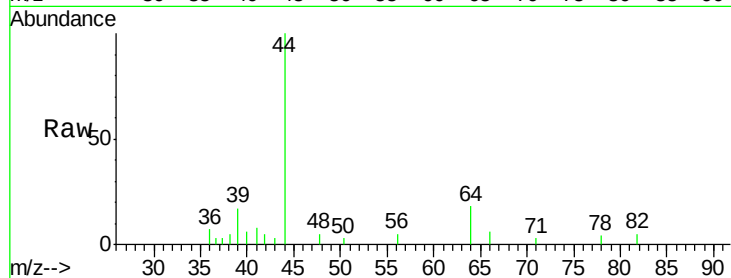
ClientSampleId :

Tot Ion: 56 Resp: 37

Ion Ratio Lower Upper

56 100

55 0.0 58.8 88.2#

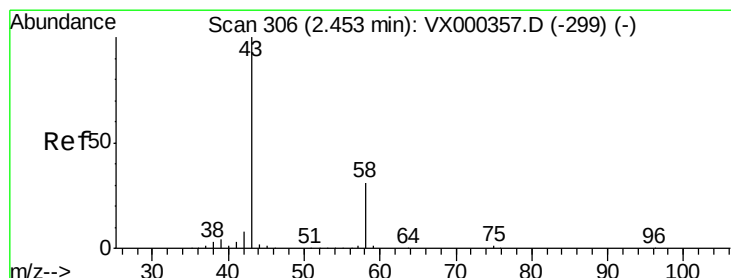
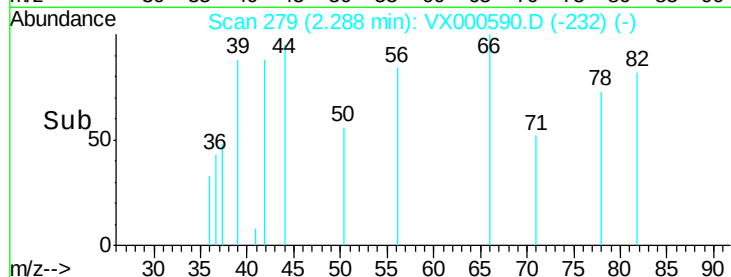


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

Time-->



#16

Acetone

Concen: 4.366 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000590.D

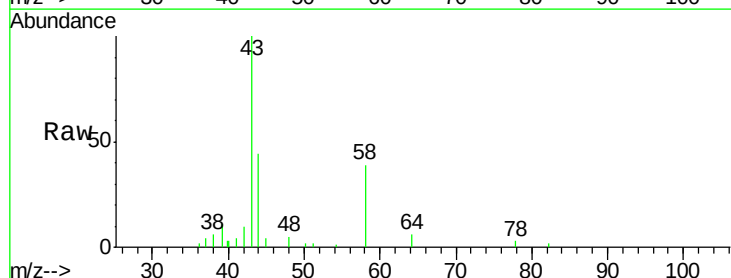
Acq: 31 Mar 2018 14:02

Tgt Ion: 43 Resp: 6119

Ion Ratio Lower Upper

43 100

58 40.2 24.7 37.1#

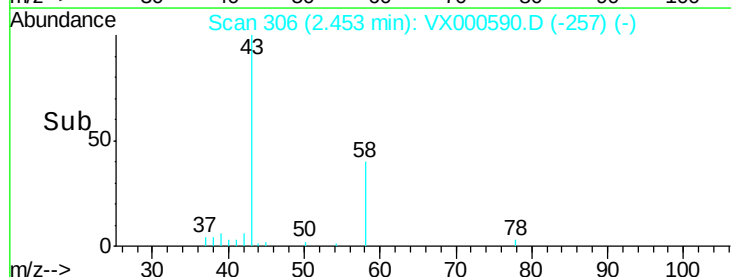


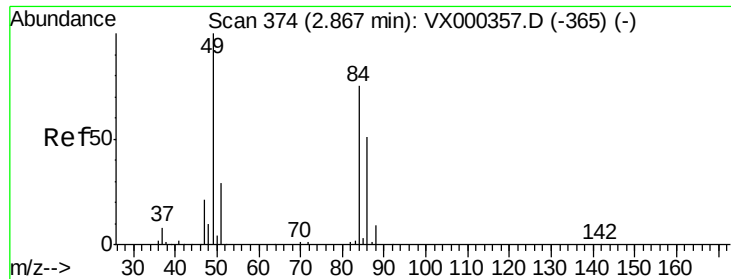
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

Time-->

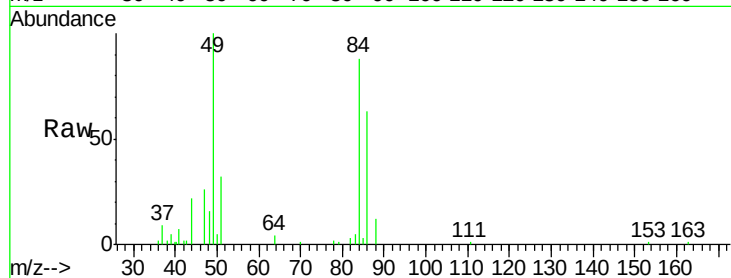




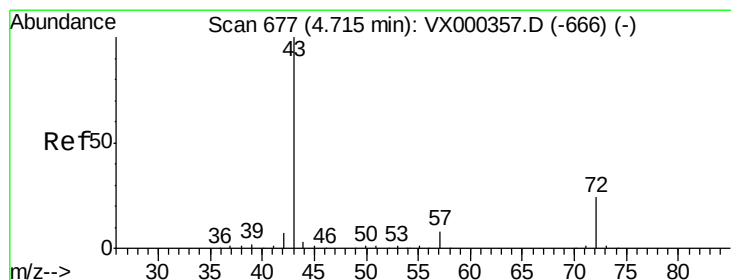
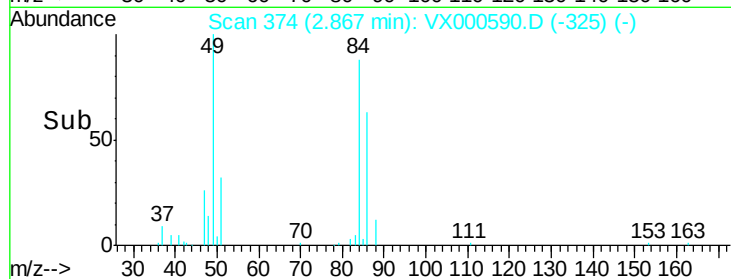
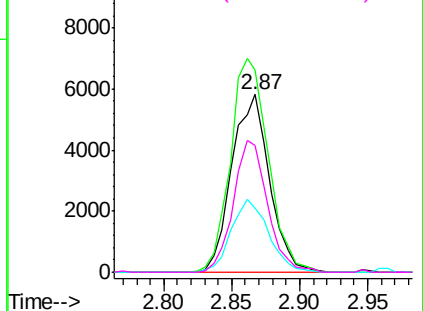
#20
Methvlene Chloride
Concen: 6.927 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000590.D
Acq: 31 Mar 2018 14:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	84	Resp:	11213
Ion	Ratio	Lower	Upper
84	100		
49	113.7	100.6	151.0
51	36.3	31.6	47.4
86	71.6	52.6	78.8

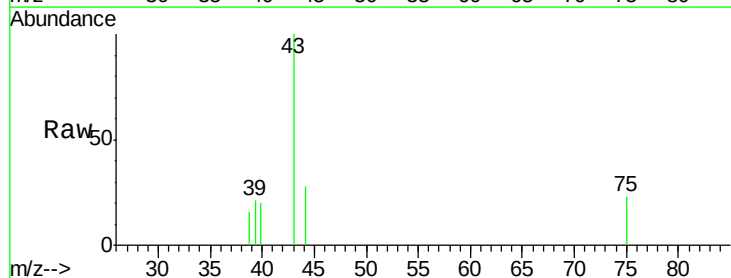


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

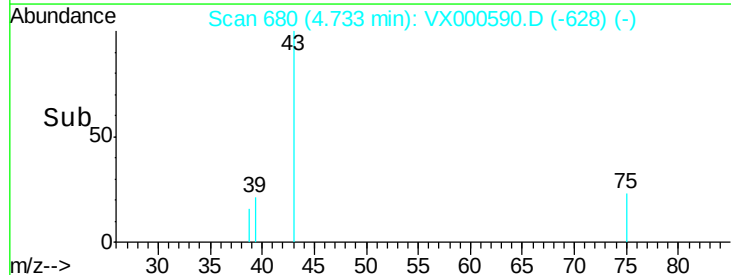
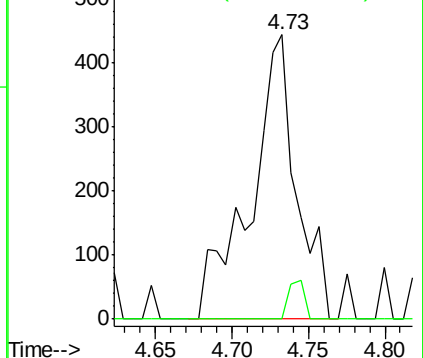


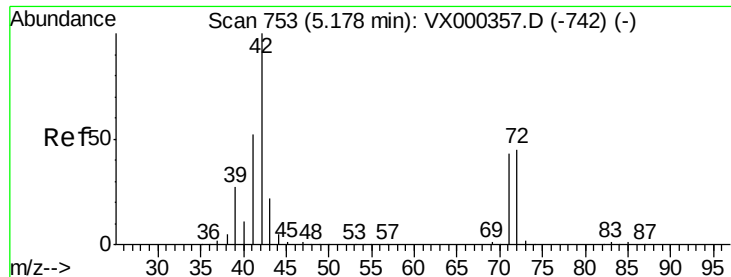
#25
2-Butanone
Concen: 0.590 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX000590.D
Acq: 31 Mar 2018 14:02

Tgt Ion:	43	Resp:	929
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#



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

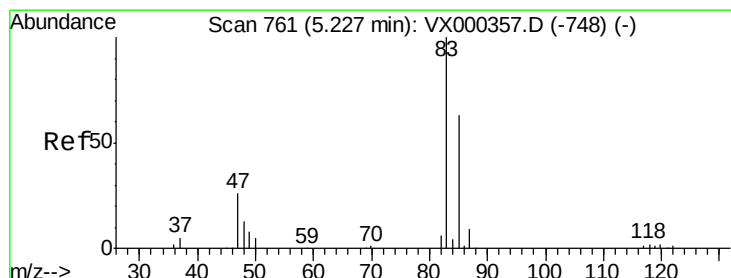
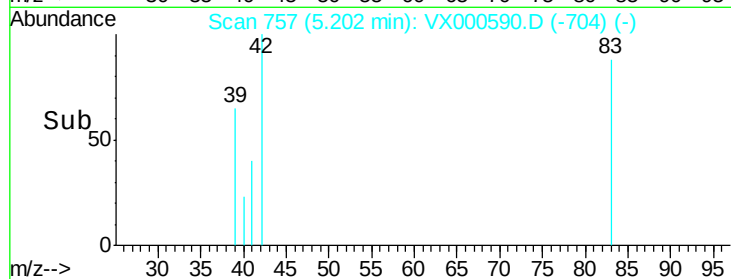
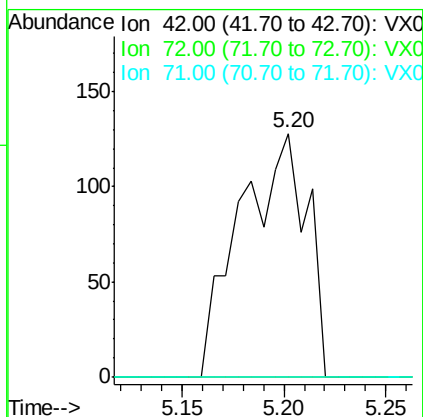
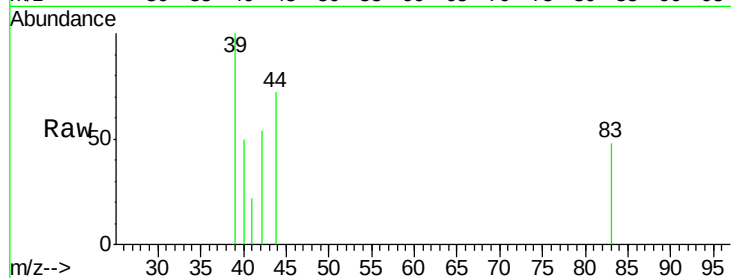




#29
Tetrahydrofuran
Concen: 0.299 ug/l
RT: 5.20 min Scan# 757
Delta R.T. 0.02 min
Lab File: VX000590.D
Acq: 31 Mar 2018 14:02

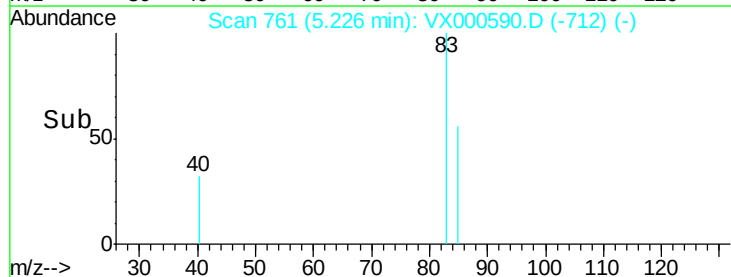
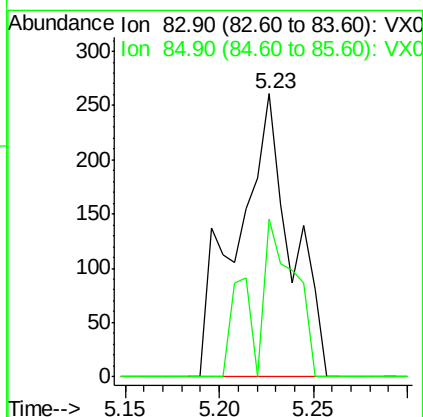
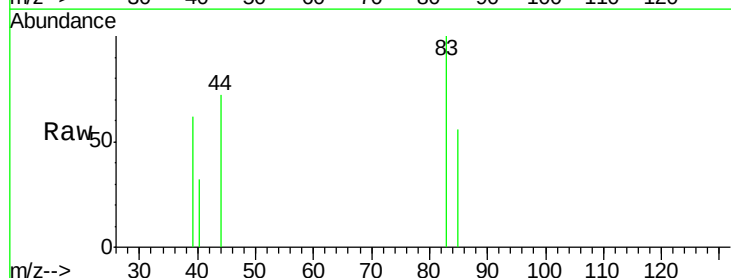
Instrument :
MSVOA_X
ClientSampleId :

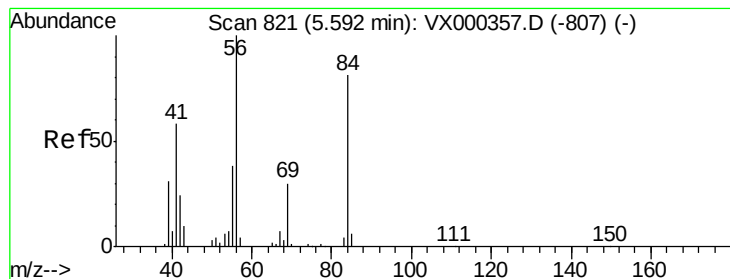
Tot Ion: 42 Resp: 290
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 0.0 34.4 51.6#



#30
Chloroform
Concen: 0.201 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000590.D
Acq: 31 Mar 2018 14:02

Tgt Ion: 83 Resp: 519
Ion Ratio Lower Upper
83 100
85 55.6 53.3 79.9





#31

Cyclohexane

Concen: 1.506 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

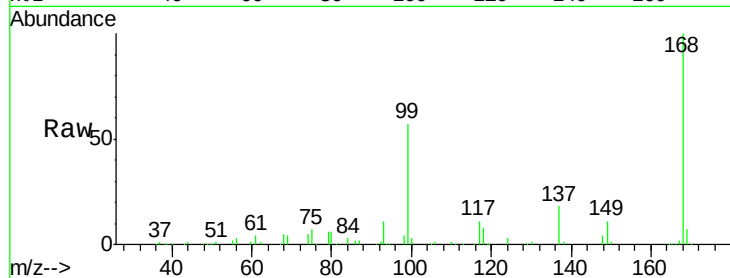
Tot Ion: 56 Resp: 3200

Ion Ratio Lower Upper

56 100

69 150.8 23.4 35.0#

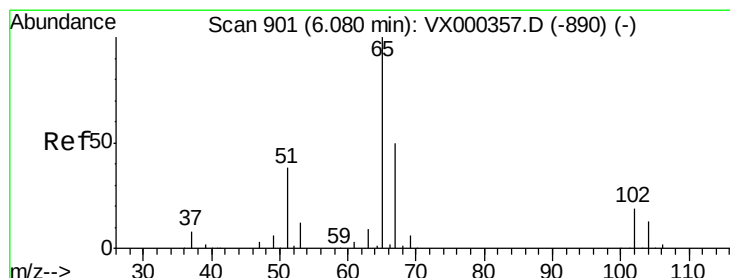
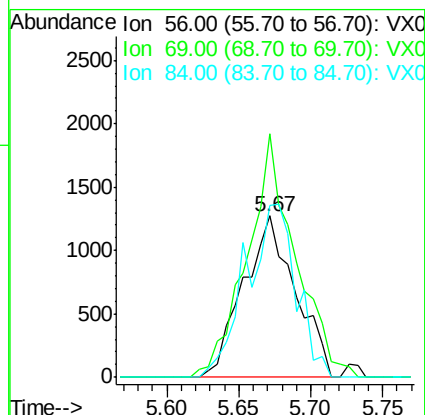
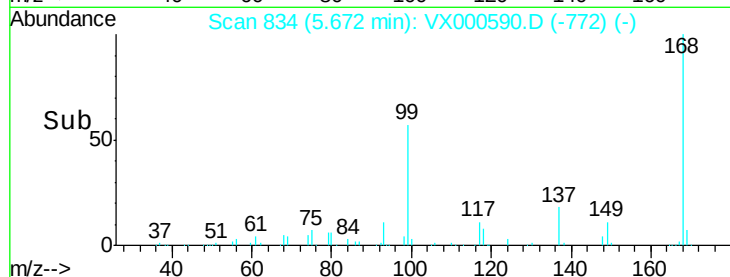
84 106.8 71.0 106.4#



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: 52.922 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000590.D

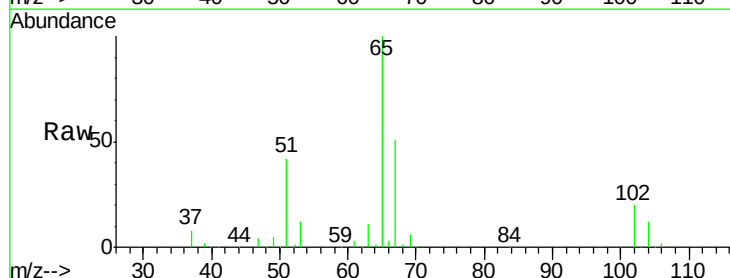
Acq: 31 Mar 2018 14:02

Tgt Ion: 65 Resp: 89155

Ion Ratio Lower Upper

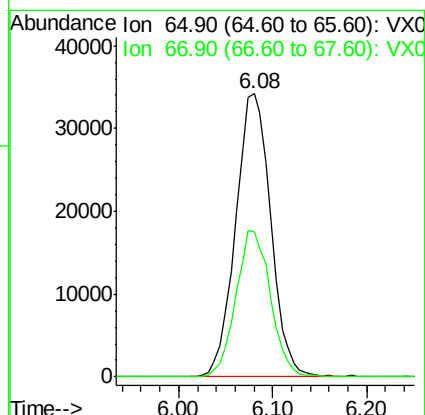
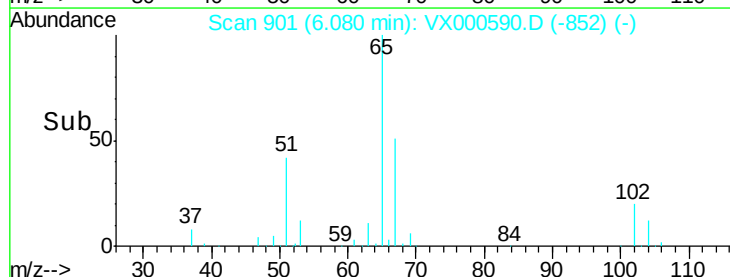
65 100

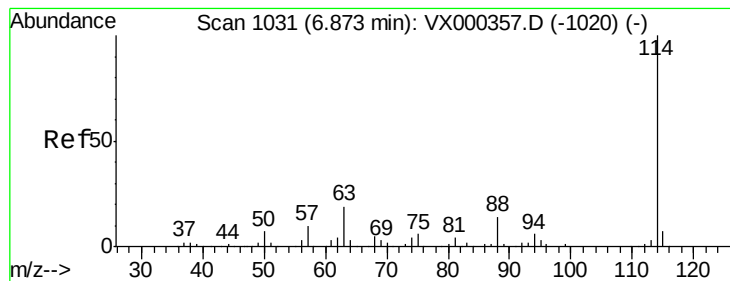
67 50.9 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

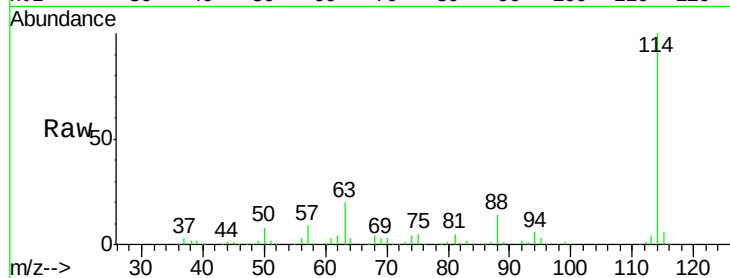
Tot Ion:114 Resp: 219715

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

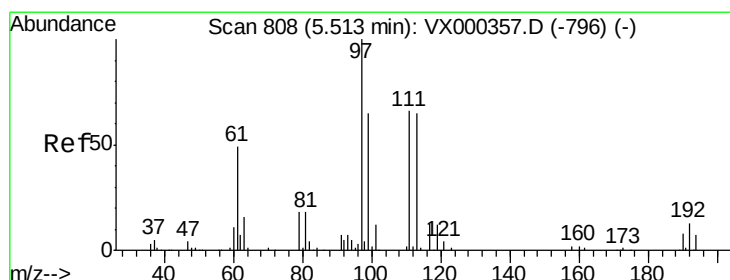
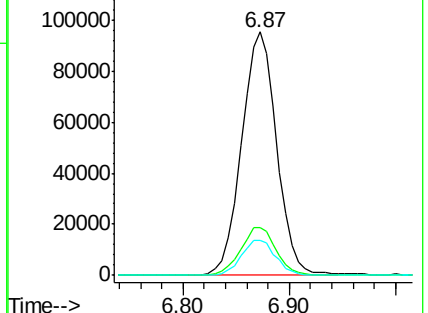
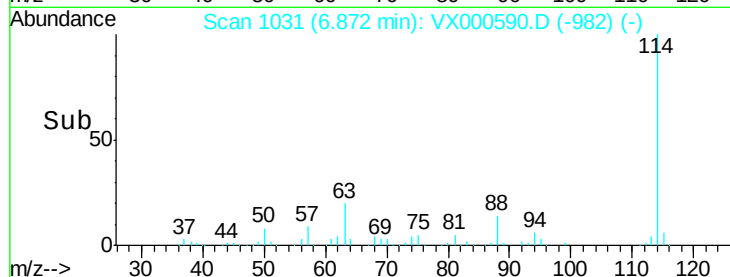
88 14.2 0.0 27.0



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: 49.045 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

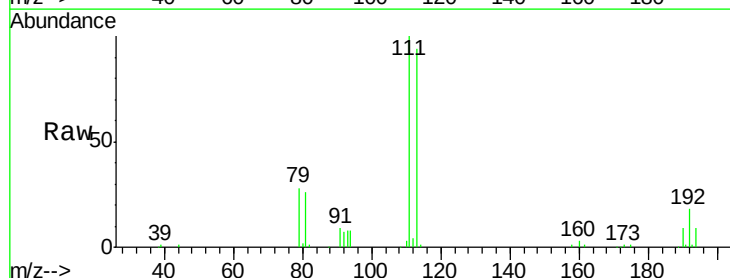
Tgt Ion:113 Resp: 67898

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

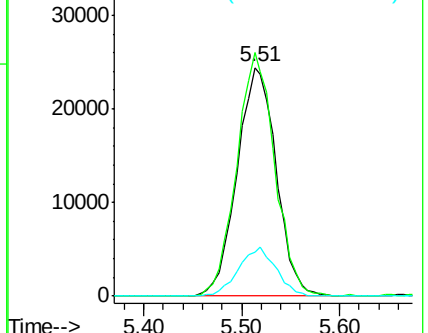
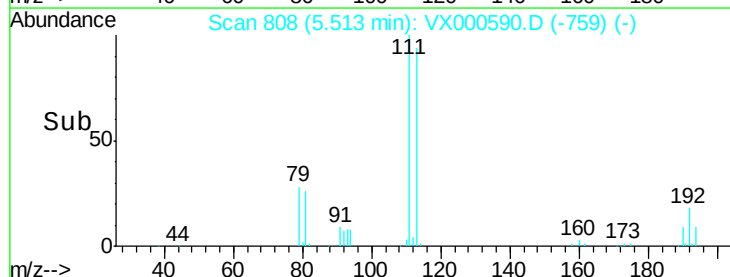
192 20.8 15.8 23.6

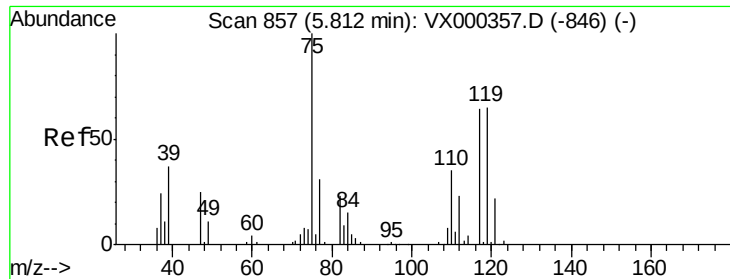


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

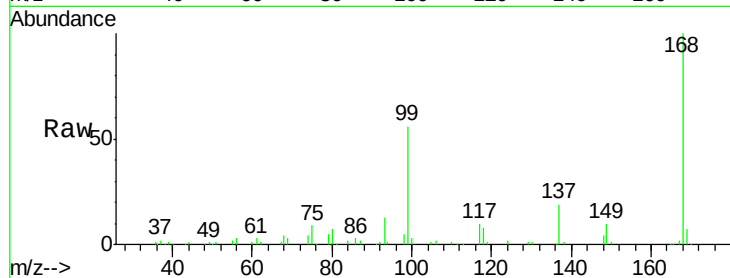




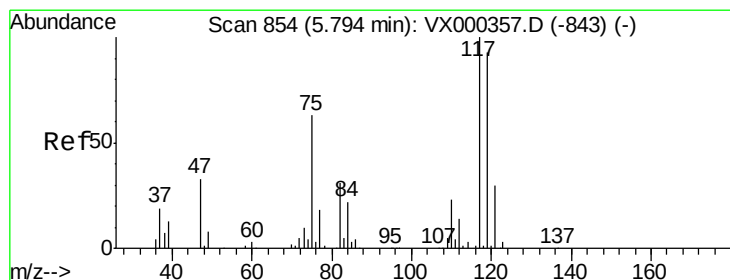
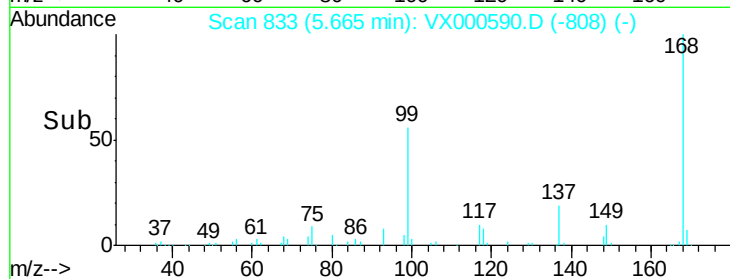
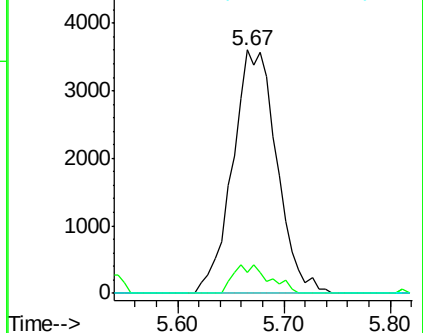
#36
 1,1-Dichloropropene
 Concen: 5.081 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.15 min
 Lab File: VX000590.D
 Acq: 31 Mar 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 10458
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.9 53.7#
 77 0.0 24.0 36.0#

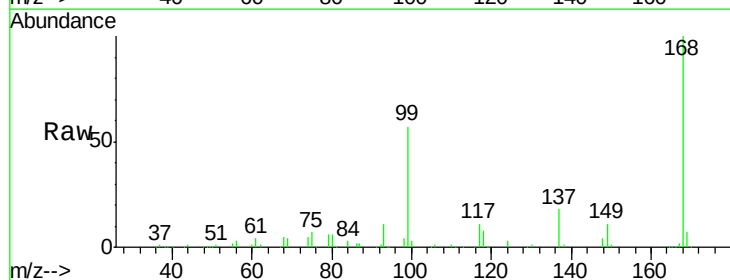


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

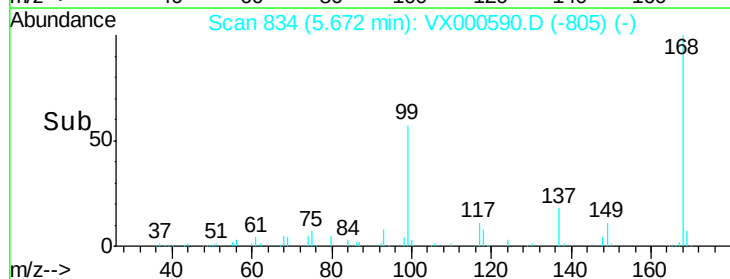
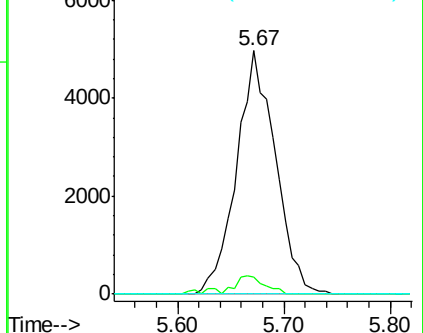


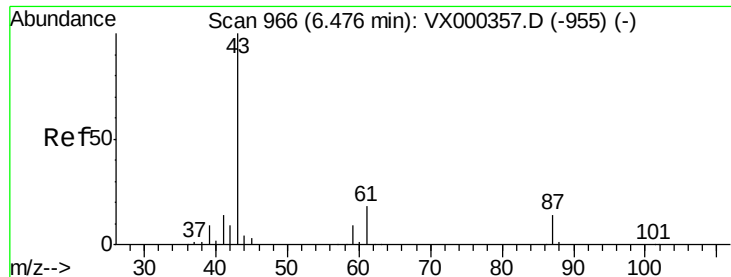
#38
 Carbon Tetrachloride
 Concen: 5.887 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000590.D
 Acq: 31 Mar 2018 14:02

Tgt Ion: 117 Resp: 12711
 Ion Ratio Lower Upper
 117 100
 119 7.0 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: 0.298 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

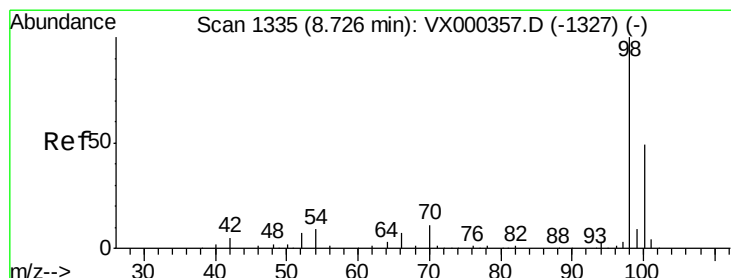
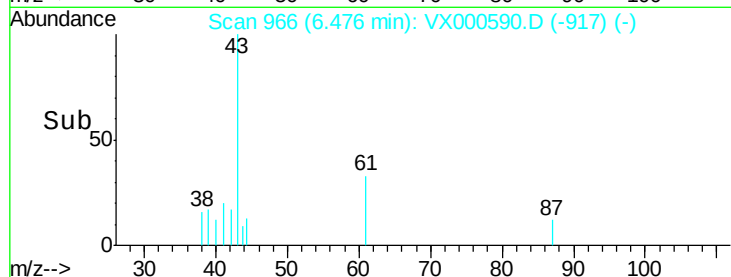
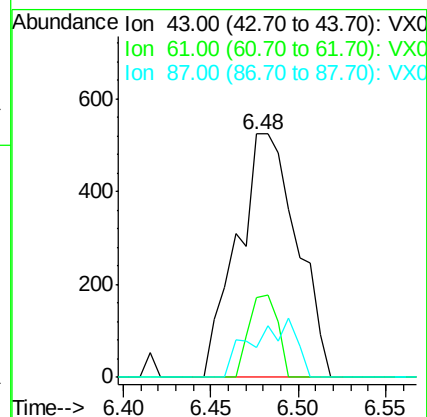
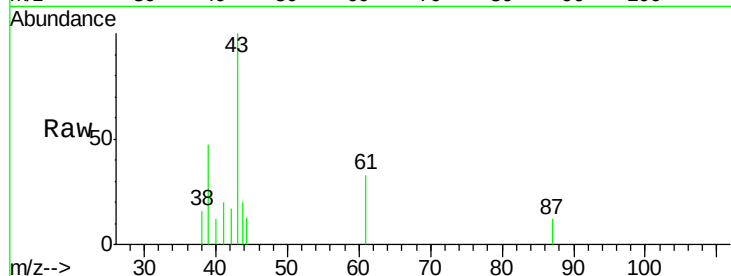
Tot Ion: 43 Resp: 1245

Ion Ratio Lower Upper

43 100

61 16.4 14.4 21.6

87 17.8 11.0 16.4#



#50

Toluene-d8

Concen: 48.016 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000590.D

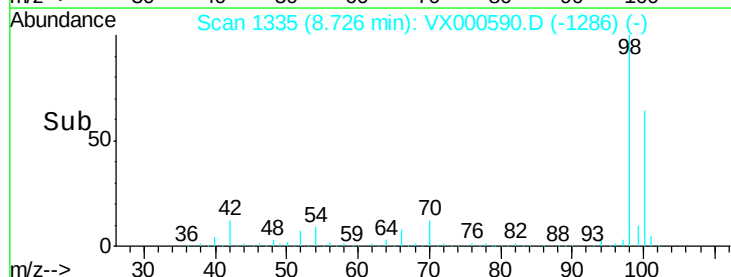
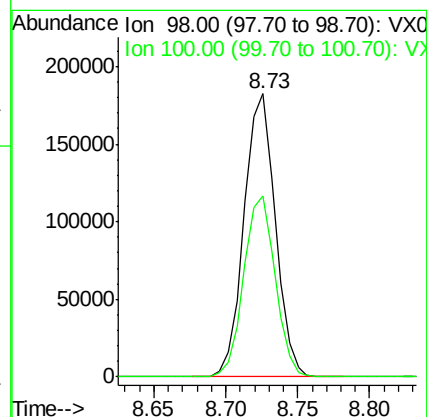
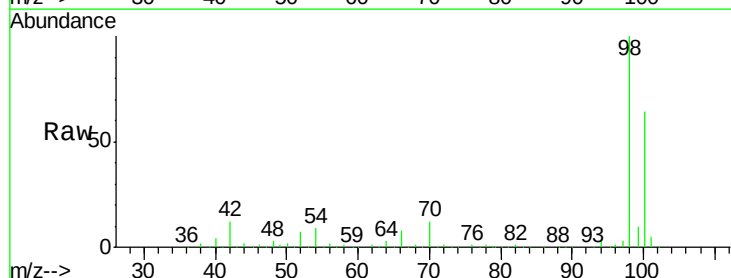
Acq: 31 Mar 2018 14:02

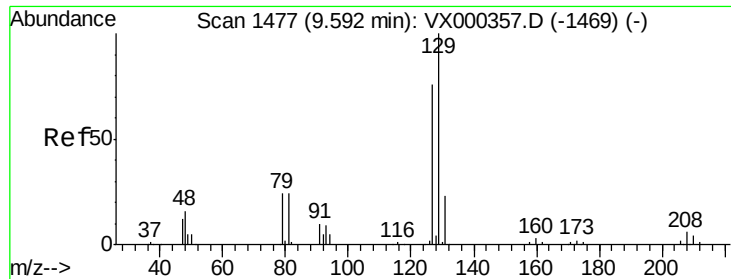
Tgt Ion: 98 Resp: 275305

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8





#60

Dibromochloromethane

Concen: 4.130 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Instrument :

MSVOA_X

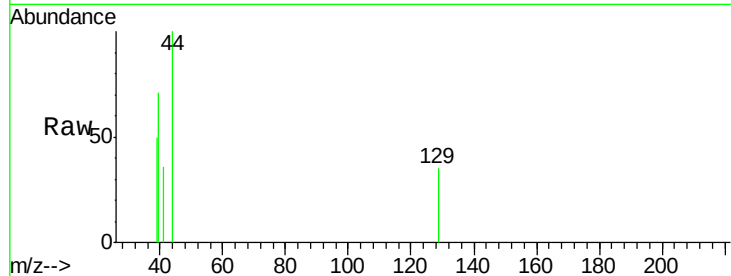
ClientSampleId :

Tot Ion:129 Resp: 29

Ion Ratio Lower Upper

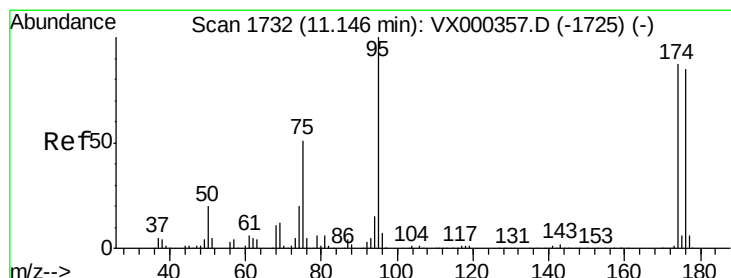
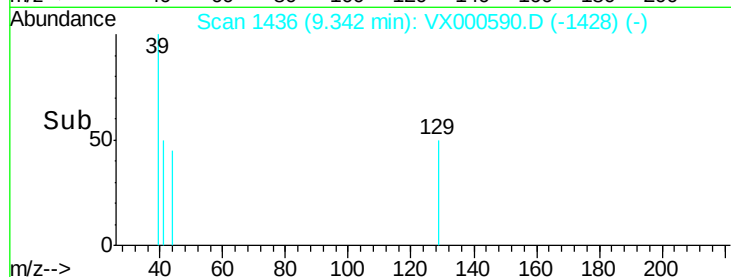
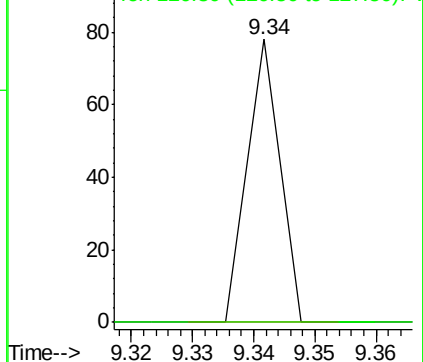
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 42.269 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

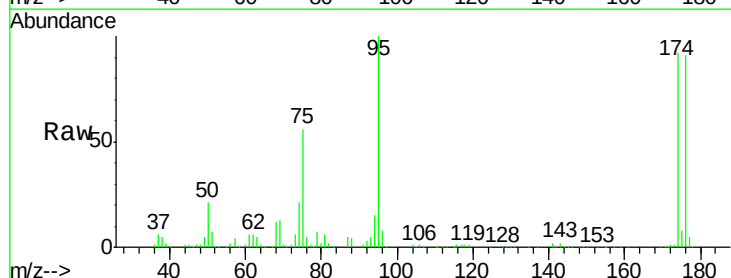
Tgt Ion: 95 Resp: 99775

Ion Ratio Lower Upper

95 100

174 89.5 0.0 173.6

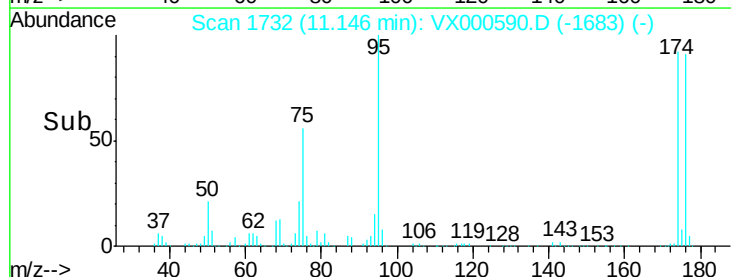
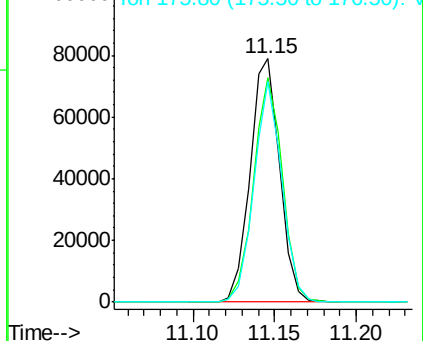
176 85.3 0.0 164.6

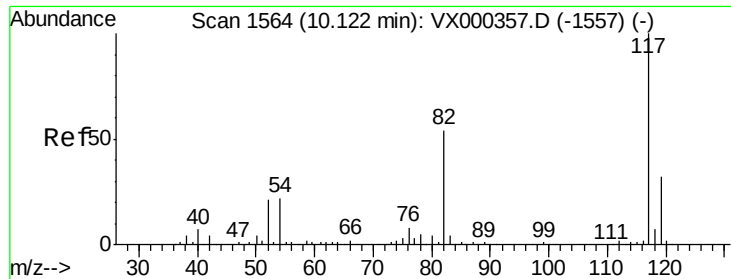


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Instrument :

MSVOA_X

ClientSampled :

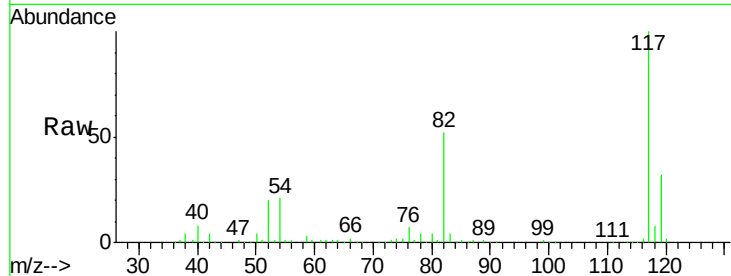
Tot Ion:117 Resp: 216781

Ion Ratio Lower Upper

117 100

82 51.8 43.8 65.8

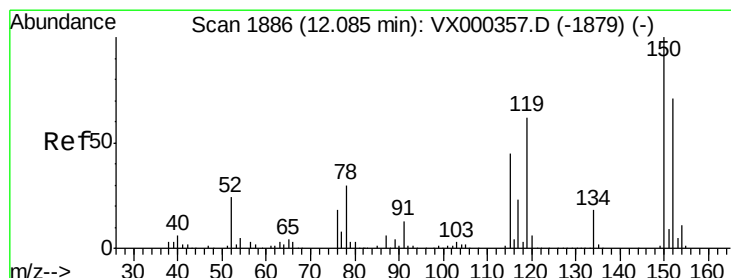
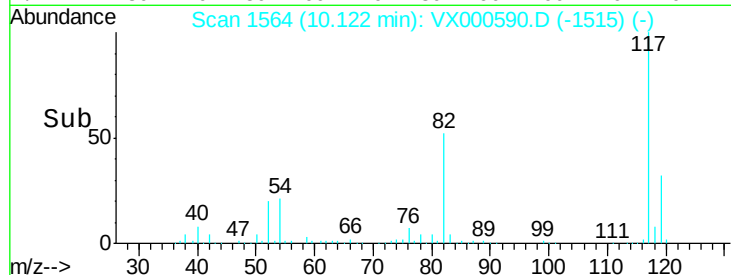
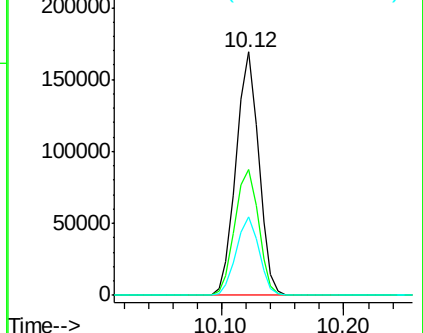
119 32.5 24.9 37.3



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: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

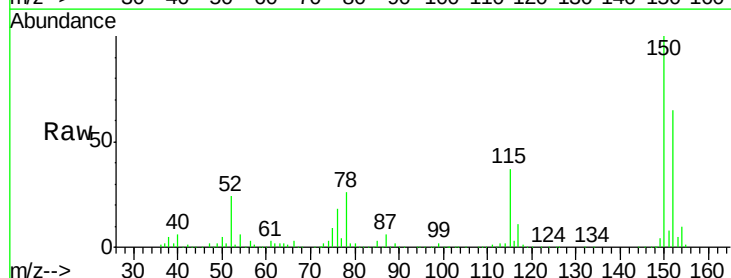
Tgt Ion:152 Resp: 116677

Ion Ratio Lower Upper

152 100

115 56.5 39.8 119.3

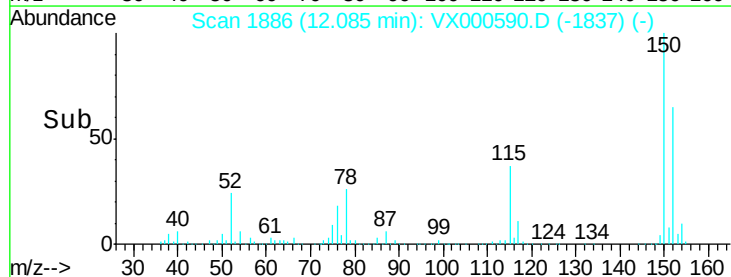
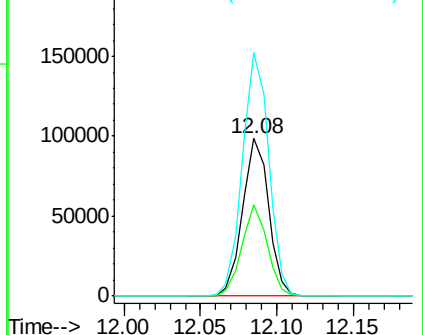
150 156.6 0.0 344.4

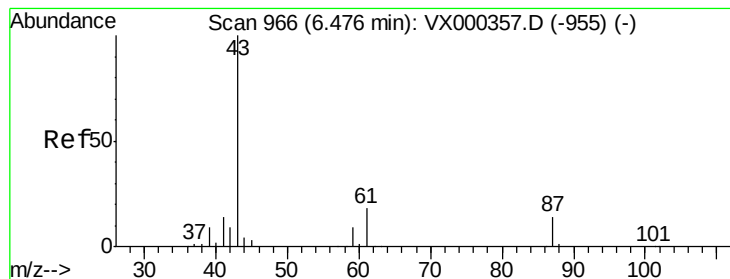


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

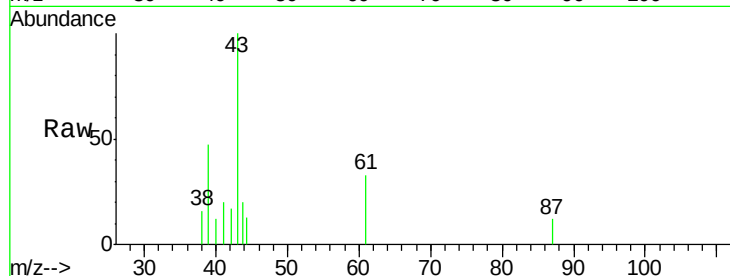
Delta R.T. 0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	43	Resp:	1245
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	16.4	14.4	21.6

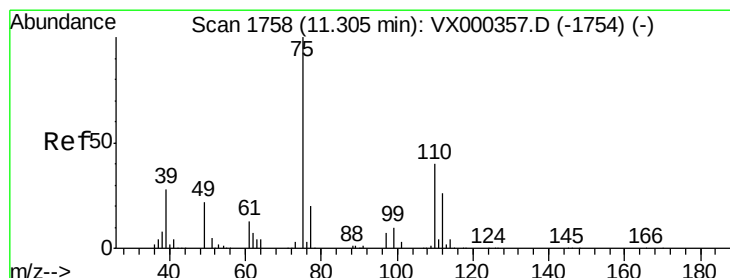
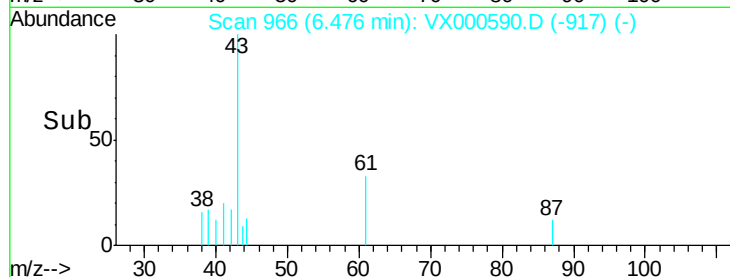
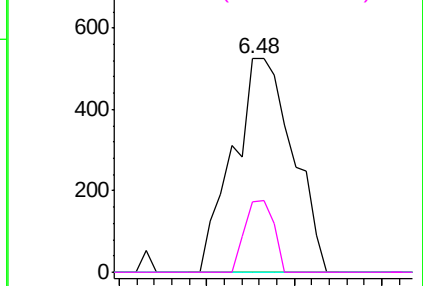


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.112 ug/l

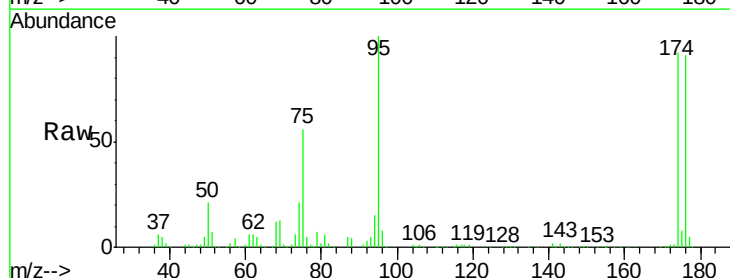
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000590.D

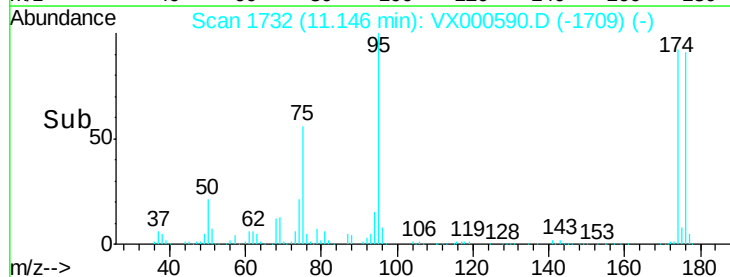
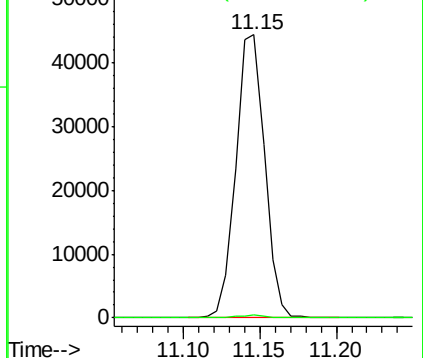
Acq: 31 Mar 2018 14:02

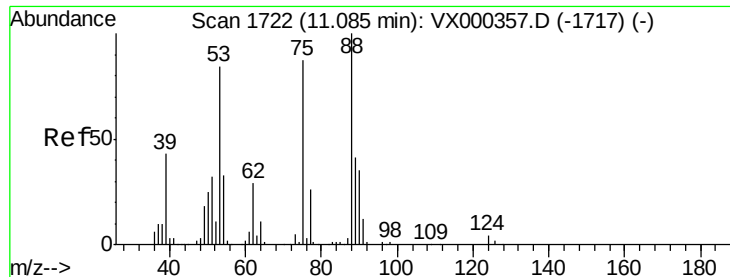
Tgt Ion:	75	Resp:	57953
Ion	Ratio	Lower	Upper
75	100		
77	0.9	21.4	64.2#



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: 74.826 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

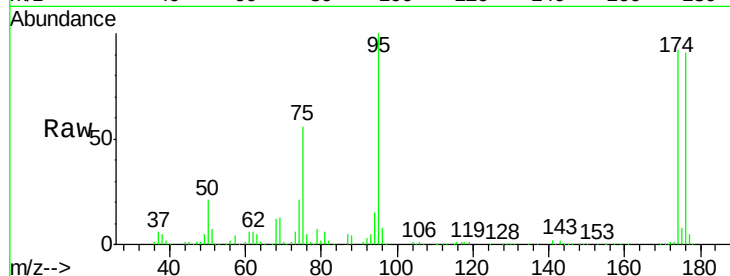
Tot Ion: 75 Resp: 57953

Ion Ratio Lower Upper

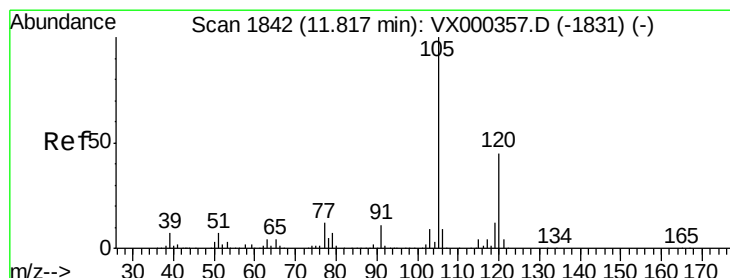
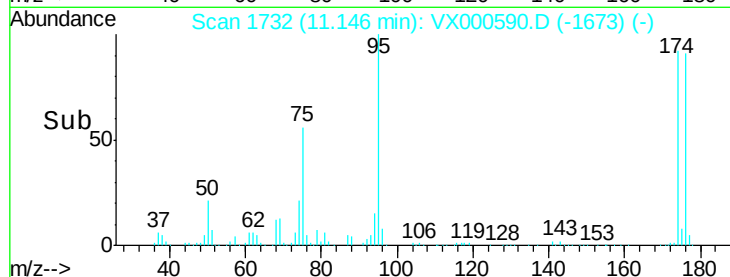
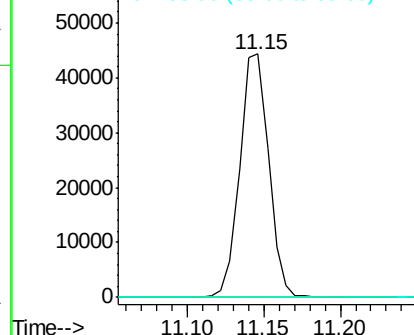
75 100

53 0.1 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



#84

1,2,4-Trimethylbenzene

Concen: 0.212 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000590.D

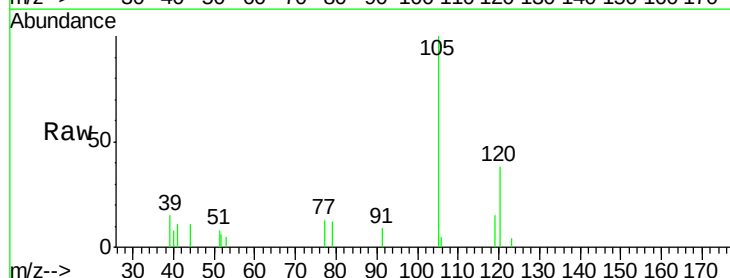
Acq: 31 Mar 2018 14:02

Tgt Ion:105 Resp: 1445

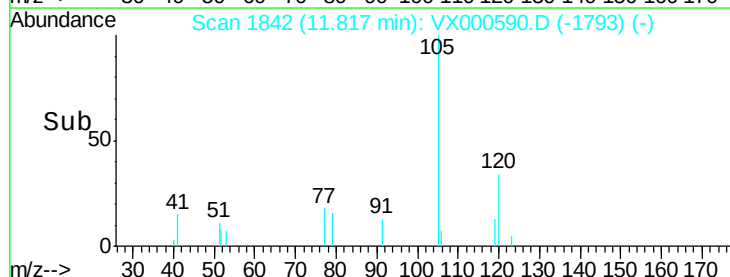
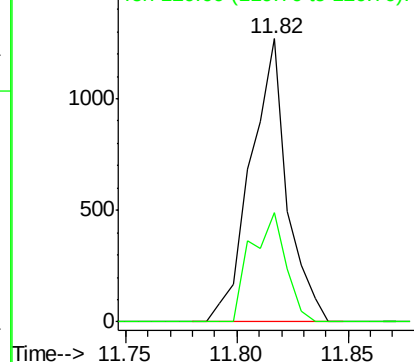
Ion Ratio Lower Upper

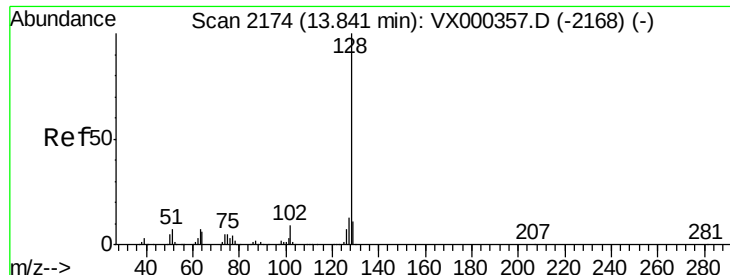
105 100

120 37.2 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.043 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000590.D

Acq: 31 Mar 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

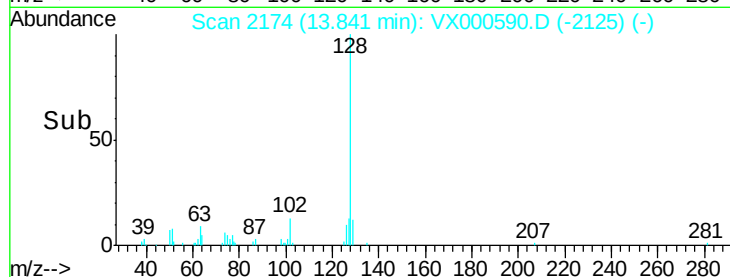
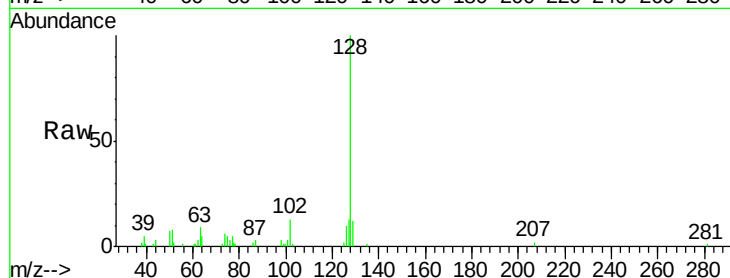
Tot Ion:128 Resp: 9940

Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

129 11.6 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

