

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
 Data File : VX000468.D
 Acq On : 27 Mar 2018 19:29
 Operator : JC/MD
 Sample : J2066-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RO-CV-2036

Quant Time: Mar 28 06:54:36 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	102586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	185653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	90841	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	77820	58.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.22%	
35) Dibromofluoromethane	5.51	113	61280	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	8.73	98	234022	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.15	95	78622	39.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.68%	

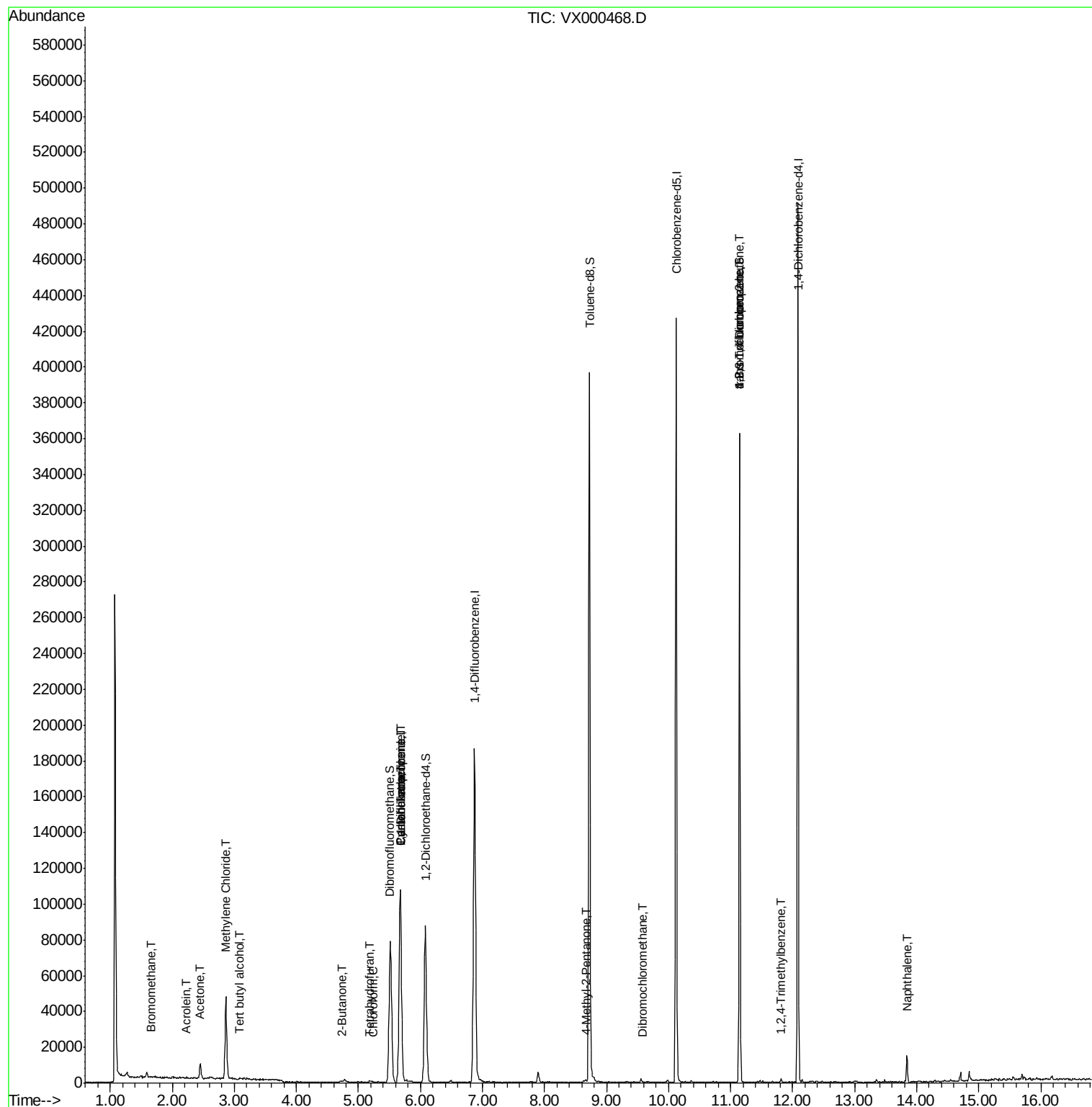
Target Compounds						Qvalue
5) Bromomethane	1.65	94	234	0.20	ug/l	# 47
6) Chloroethane	1.75	64	516	Below	Cal	# 78
11) Tert butyl alcohol	3.08	59	446	0.97	ug/l	# 91
13) Acrolein	2.22	56	20	14.71	ug/l	# 13
14) Allyl chloride	2.70	41	145	Below	Cal	# 1
16) Acetone	2.45	43	9444	8.48	ug/l	99
20) Methylene Chloride	2.86	84	20714	16.10	ug/l	89
25) 2-Butanone	4.74	43	1231	0.98	ug/l	# 49
29) Tetrahydrofuran	5.17	42	266	0.35	ug/l	# 76
30) Chloroform	5.23	83	450	0.22	ug/l	99
31) Cyclohexane	5.68	56	2510	1.49	ug/l	# 33
36) 1,1-Dichloropropene	5.68	75	8410	4.84	ug/l	# 48
38) Carbon Tetrachloride	5.67	117	10092	5.53	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.67	43	1023	0.37	ug/l	91
60) Dibromochloromethane	9.59	129	41	4.14	ug/l	# 12
74) N-amyl acetate	6.48	43	632	Below	Cal	# 80
76) 1,2,3-Trichloropropane	11.15	75	45543	23.33	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.15	75	45543	75.53	ug/l	# 9
84) 1,2,4-Trimethylbenzene	11.82	105	1159	0.22	ug/l	100
95) Naphthalene	13.84	128	8577	1.16	ug/l	96

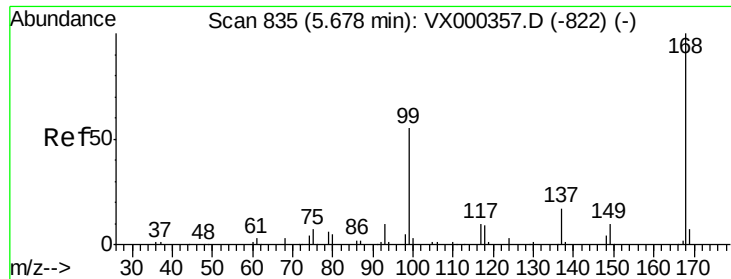
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
Data File : VX000468.D
Acq On : 27 Mar 2018 19:29
Operator : JC/MD
Sample : J2066-03 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2036

Quant Time: Mar 28 06:54:36 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

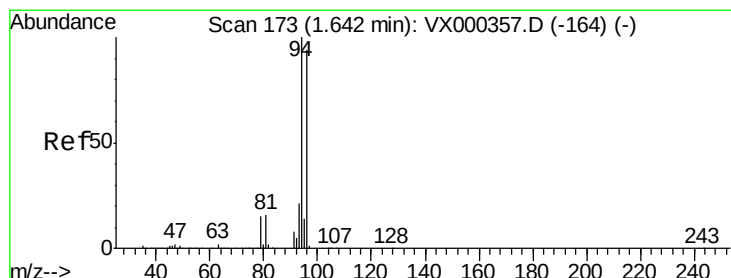
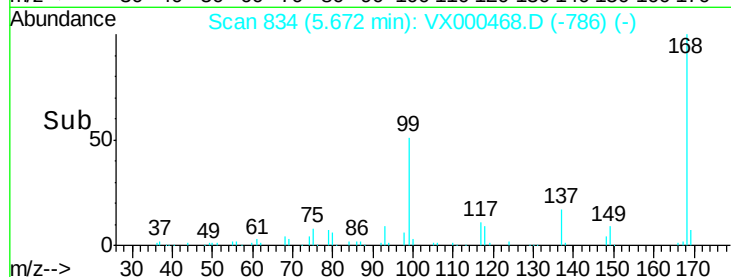
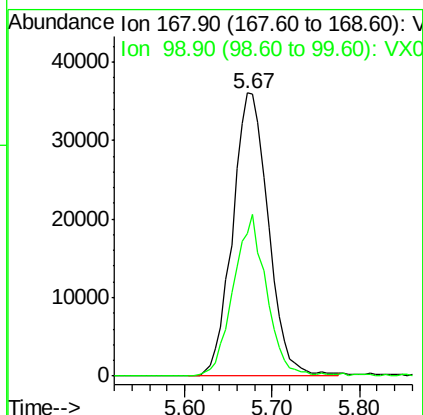
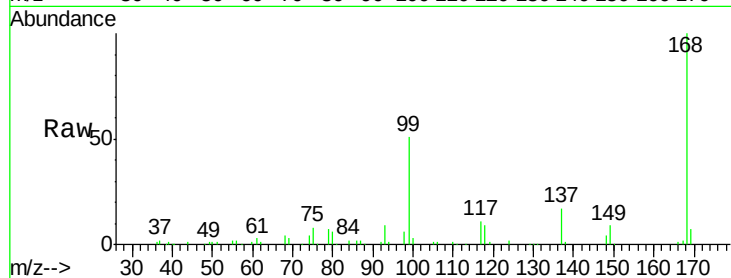




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

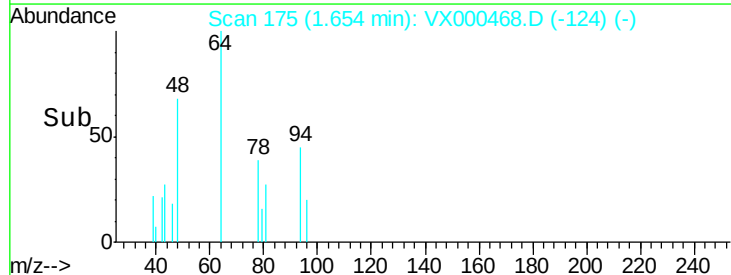
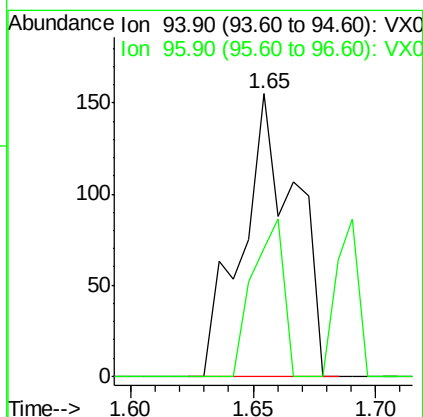
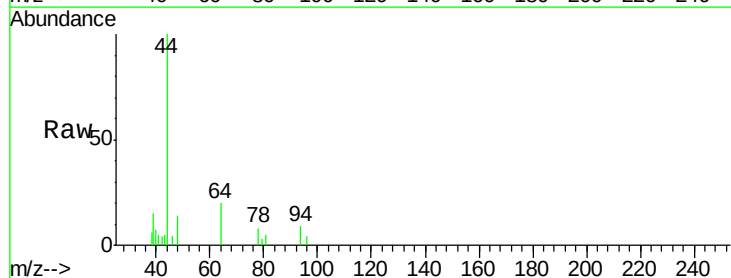
Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2036

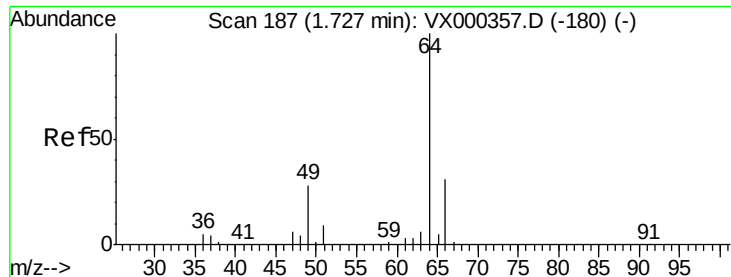
Tgt Ion: 168 Resp: 102586
Ion Ratio Lower Upper
168 100
99 50.5 45.8 68.6



#5
Bromomethane
Concen: 0.20 ug/l
RT: 1.65 min Scan# 175
Delta R.T. 0.01 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 45.2 77.7 116.5#





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 191

Delta R.T. 0.02 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

Instrument :

MSVOA_X

ClientSampled :

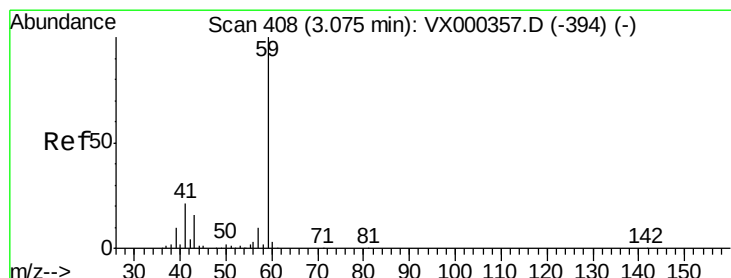
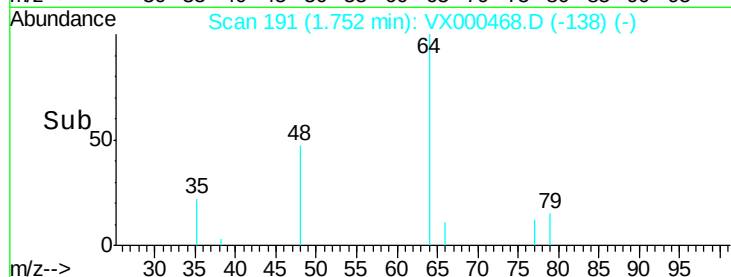
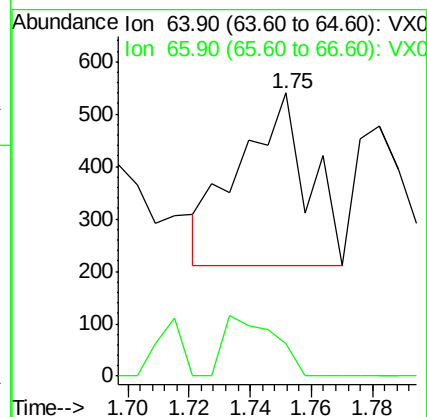
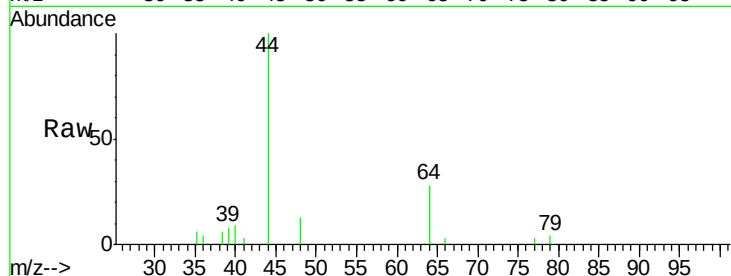
RO-CV-2036

Tgt Ion: 64 Resp: 516

Ion Ratio Lower Upper

64 100

66 18.8 24.8 37.2#



#11

Tert butyl alcohol

Concen: 0.97 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000468.D

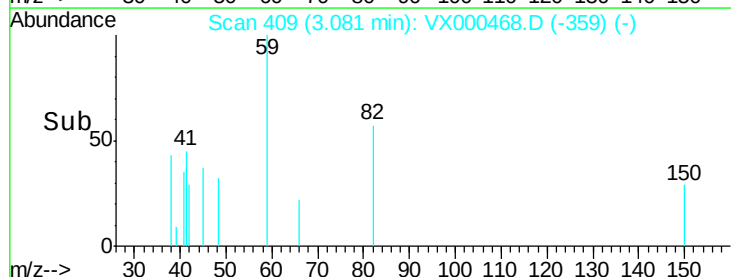
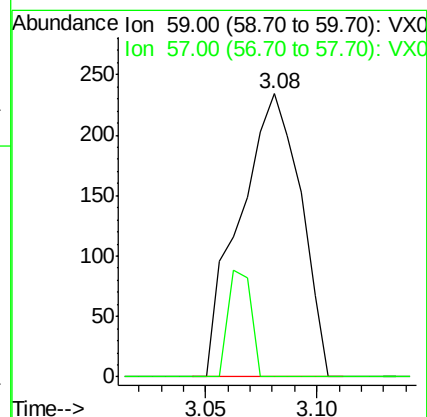
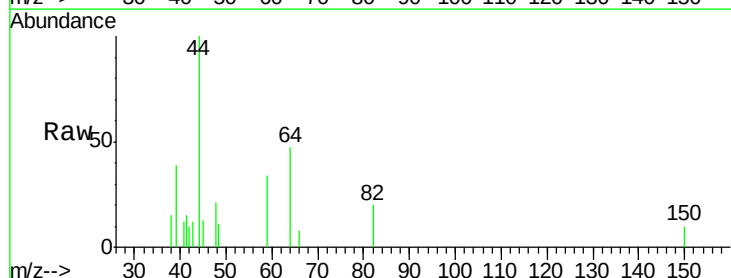
Acq: 27 Mar 2018 19:29

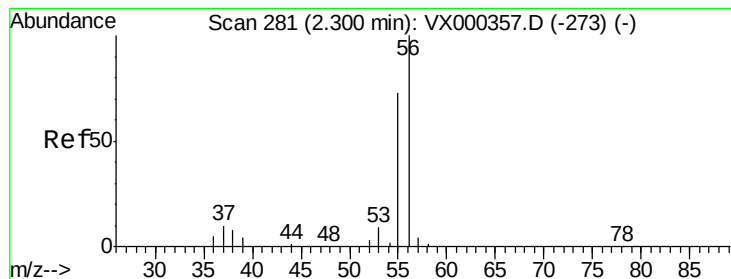
Tgt Ion: 59 Resp: 446

Ion Ratio Lower Upper

59 100

57 13.9 8.4 12.6#





#13

Acrolein

Concen: 14.71 ug/l

RT: 2.22 min Scan# 268

Delta R.T. -0.08 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

Instrument :

MSVOA_X

ClientSampled :

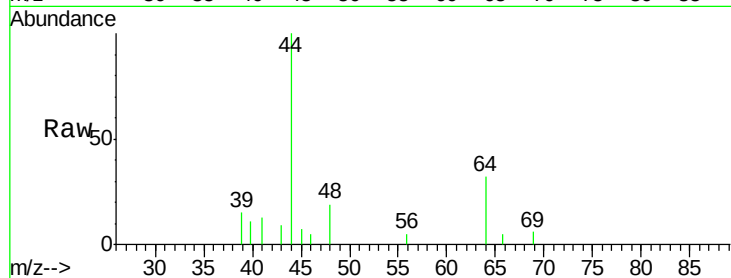
RO-CV-2036

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

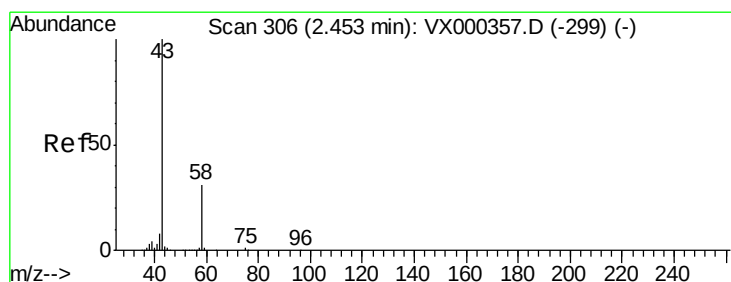
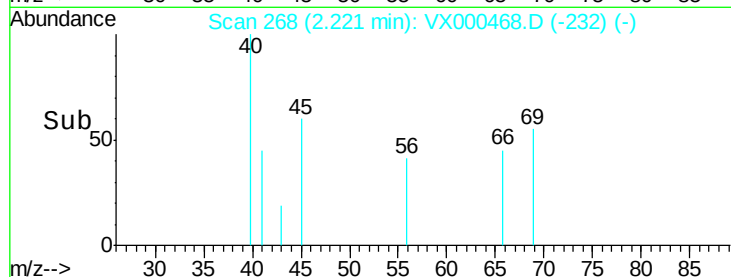
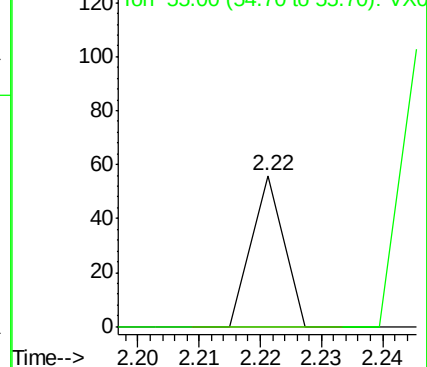
56 100

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: 8.48 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000468.D

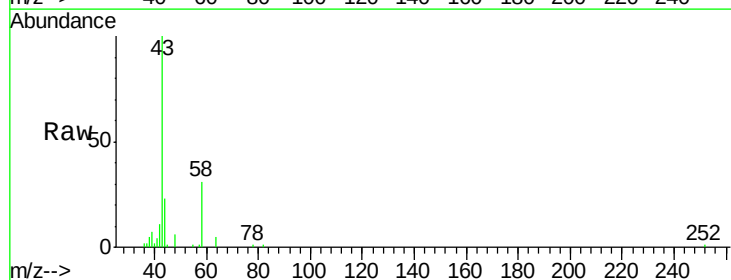
Acq: 27 Mar 2018 19:29

Tgt Ion: 43 Resp: 9444

Ion Ratio Lower Upper

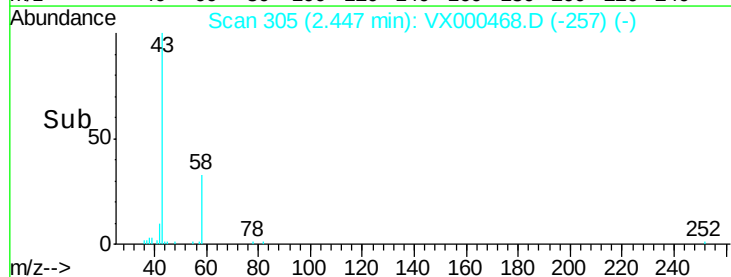
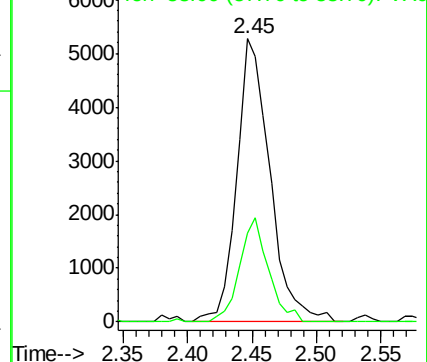
43 100

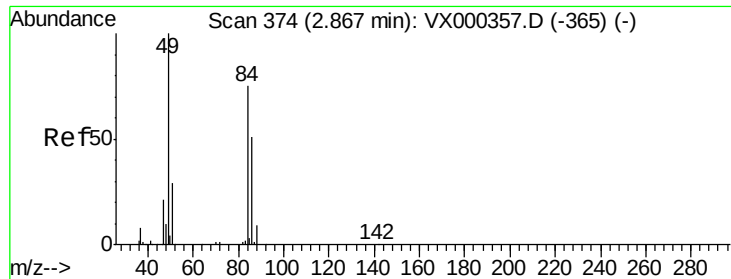
58 31.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

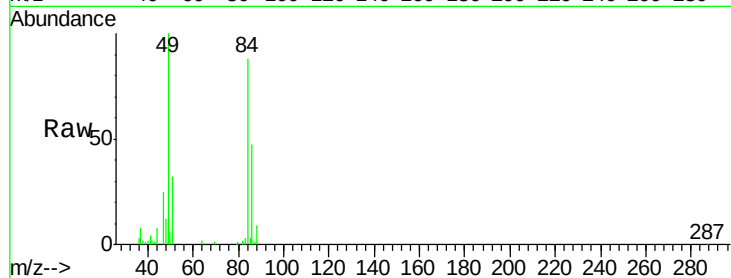




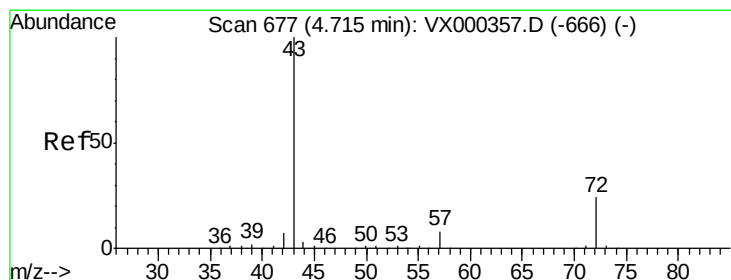
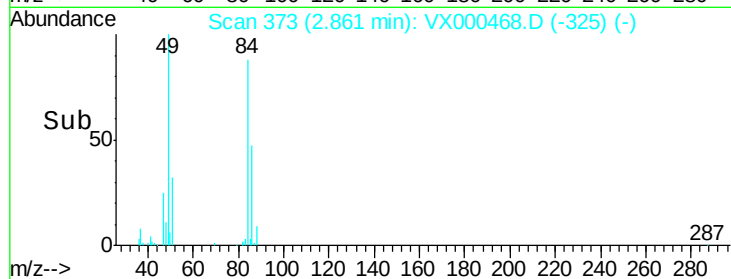
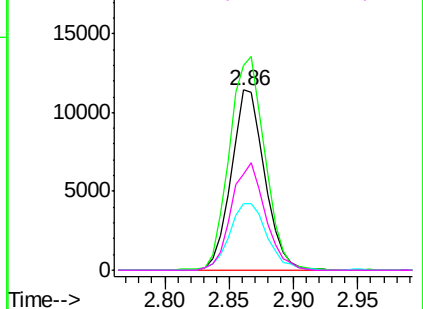
#20
Methylene Chloride
Concen: 16.10 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2036

Tgt Ion:	84	Resp:	20714
Ion	Ratio	Lower	Upper
84	100		
49	113.7	100.6	151.0
51	36.9	31.6	47.4
86	53.4	52.6	78.8

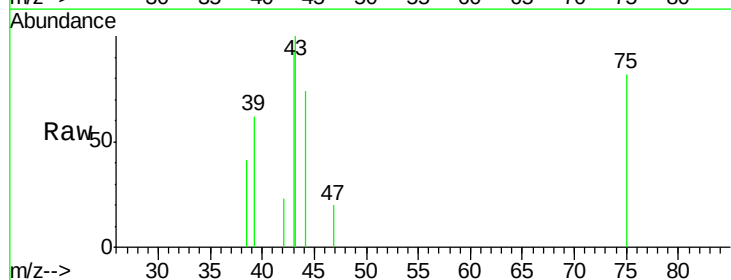


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

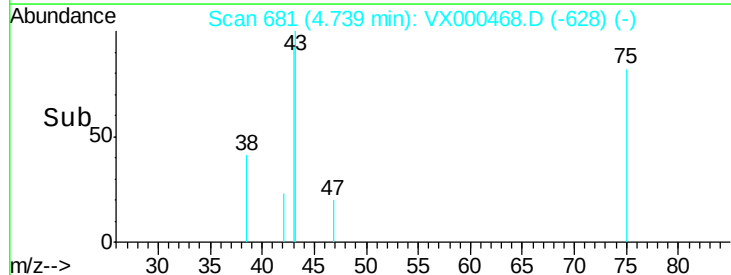
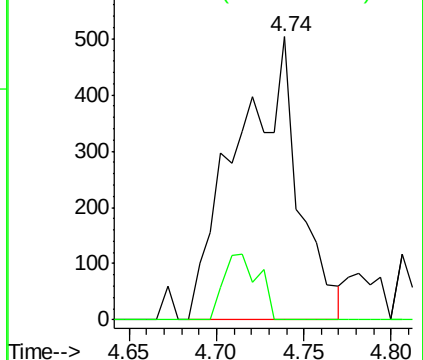


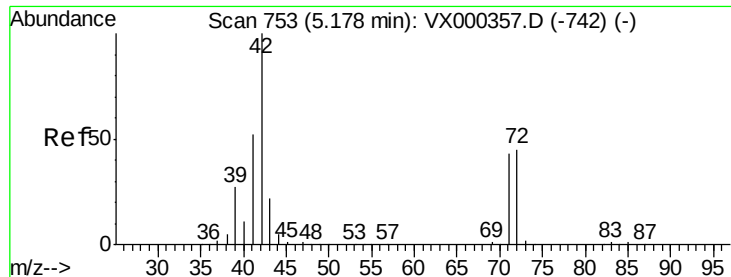
#25
2-Butanone
Concen: 0.98 ug/l
RT: 4.74 min Scan# 681
Delta R.T. 0.02 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

Tgt Ion:	43	Resp:	1231
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: 0.35 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2036

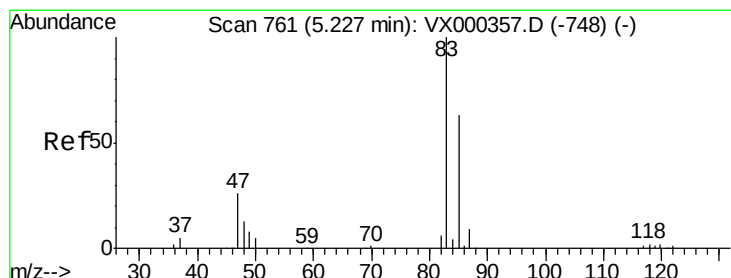
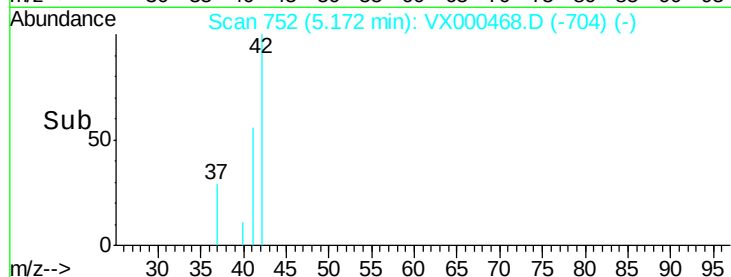
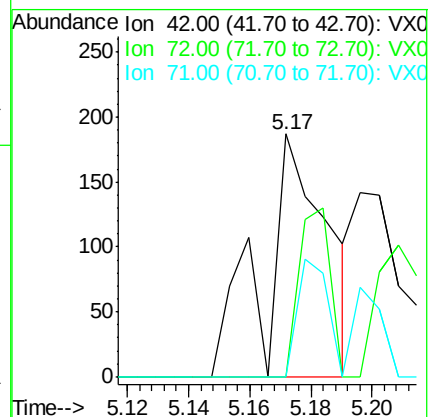
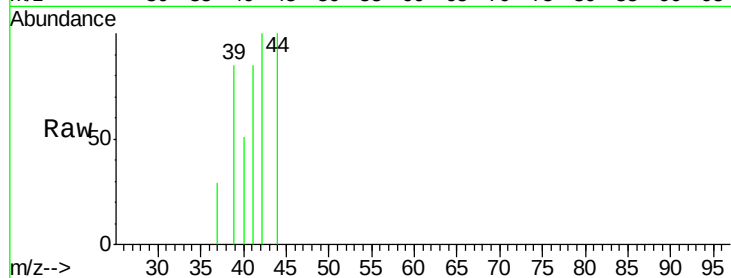
Tgt Ion: 42 Resp: 266

Ion Ratio Lower Upper

42 100

72 34.6 37.9 56.9#

71 23.7 34.4 51.6#



#30

Chloroform

Concen: 0.22 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX000468.D

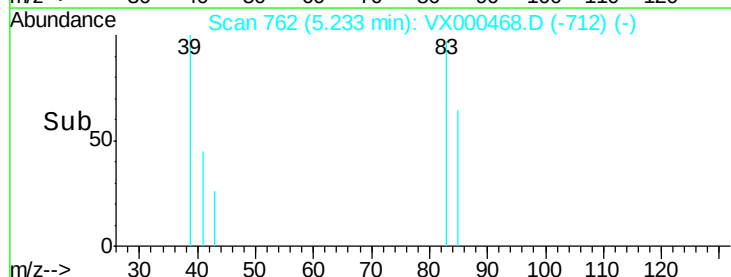
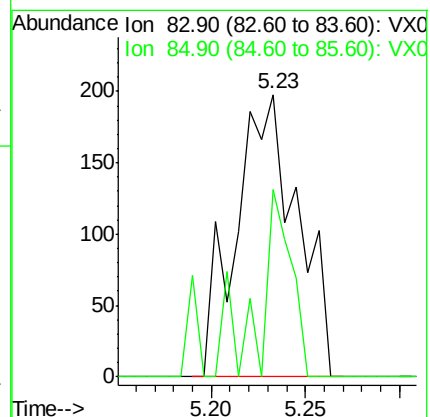
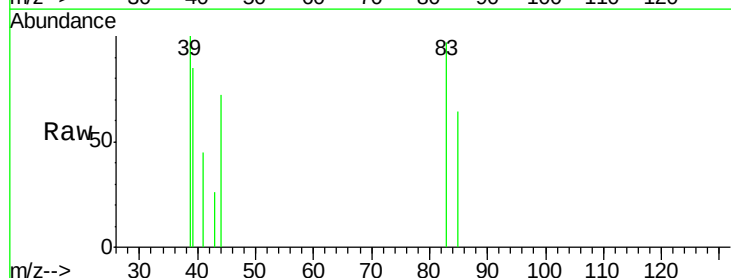
Acq: 27 Mar 2018 19:29

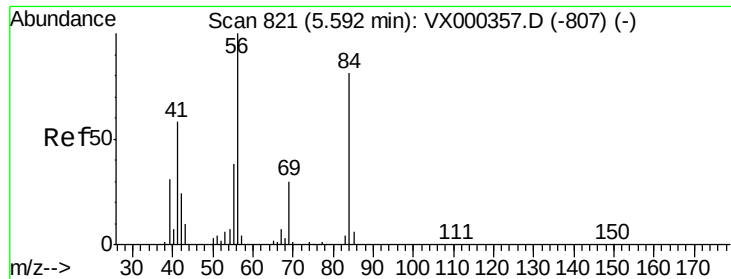
Tgt Ion: 83 Resp: 450

Ion Ratio Lower Upper

83 100

85 66.2 53.3 79.9

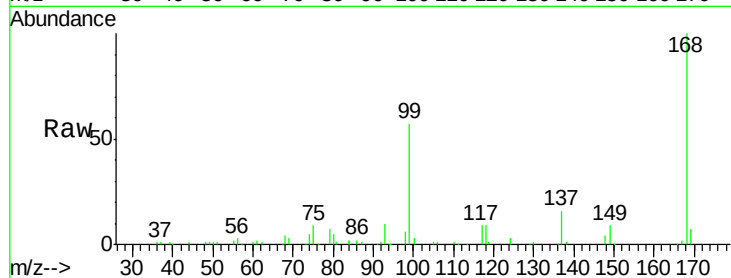




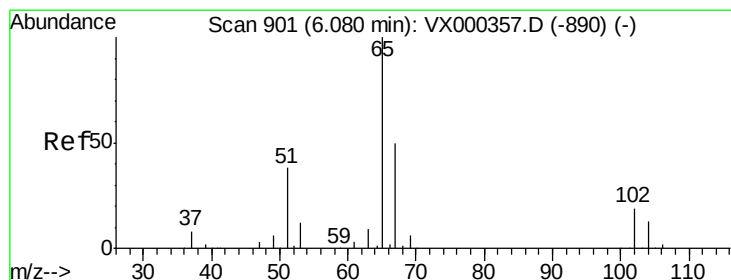
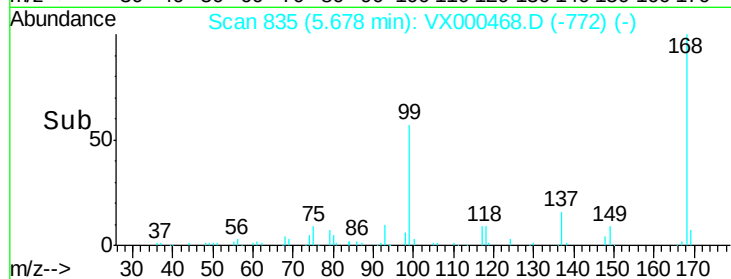
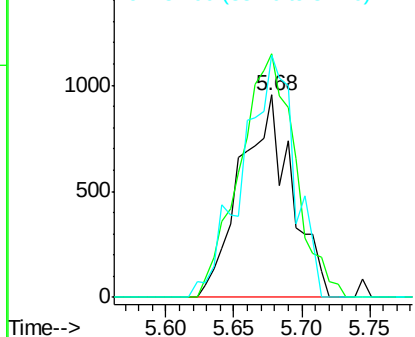
#31
Cyclohexane
Concen: 1.49 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2036

Tgt Ion: 56 Resp: 2510
Ion Ratio Lower Upper
56 100
69 120.2 23.4 35.0#
84 119.9 71.0 106.4#

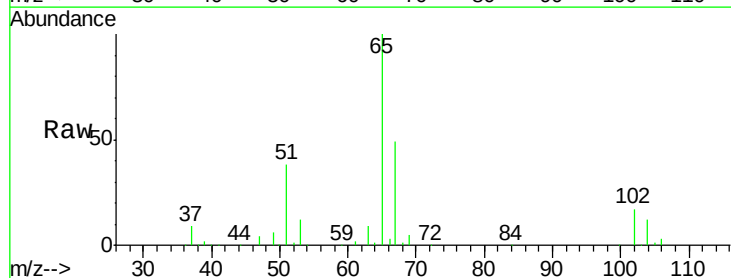


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

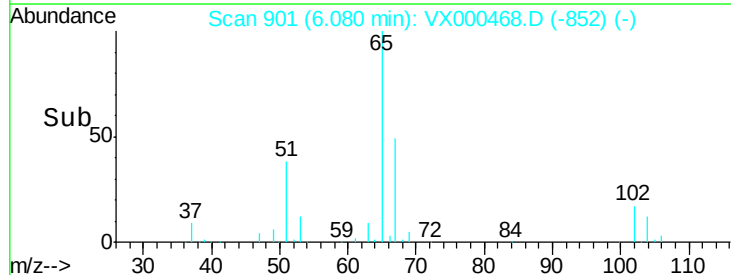
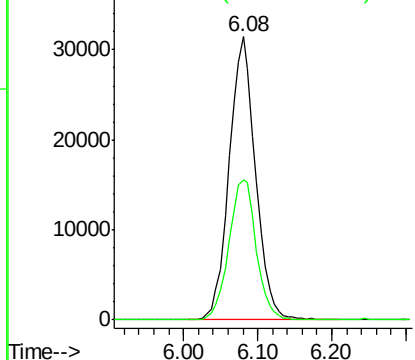


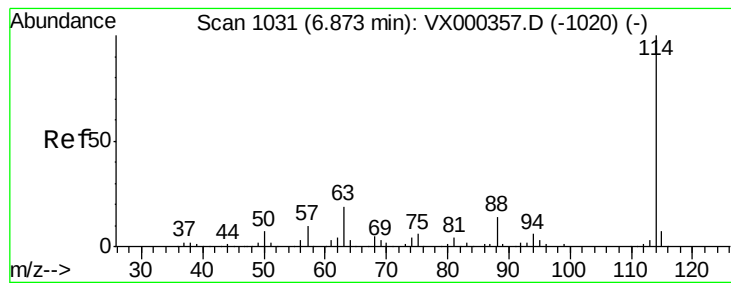
#33
1,2-Dichloroethane-d4
Concen: 58.11 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

Tgt Ion: 65 Resp: 77820
Ion Ratio Lower Upper
65 100
67 51.3 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: VX000468.D

Acq: 27 Mar 2018 19:29

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2036

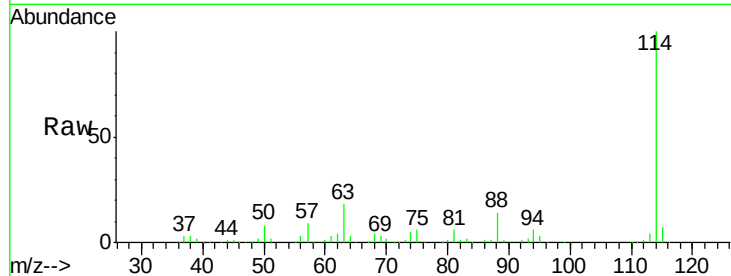
Tgt Ion:114 Resp: 185653

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

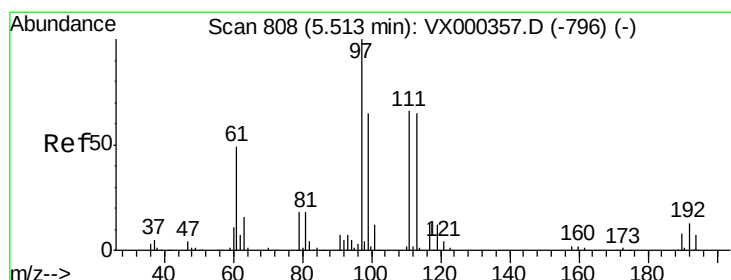
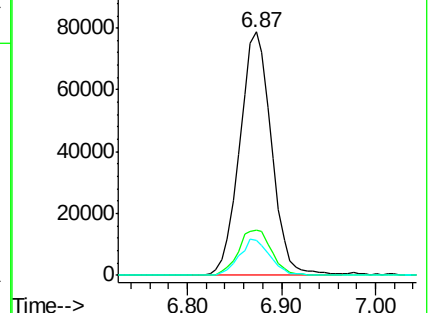
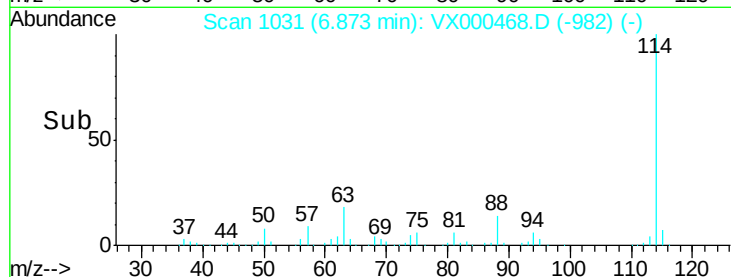
88 14.4 0.0 27.0



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: 52.39 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

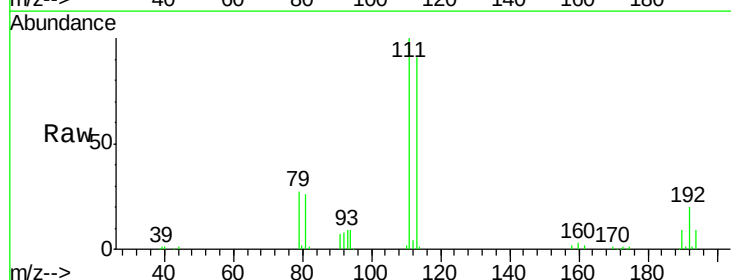
Tgt Ion:113 Resp: 61280

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

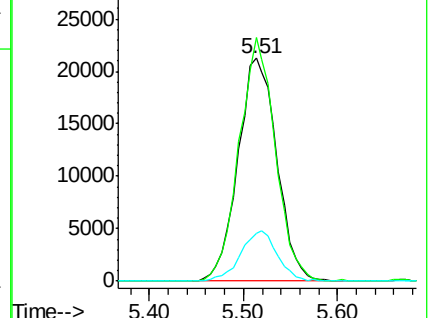
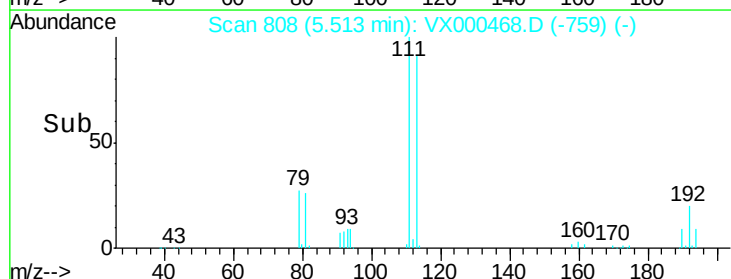
192 21.1 15.8 23.6

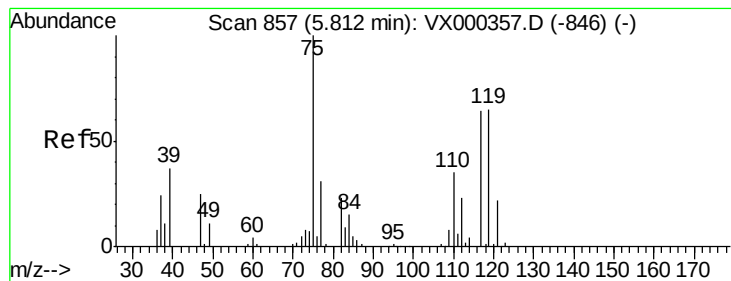


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.84 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

RO-CV-2036

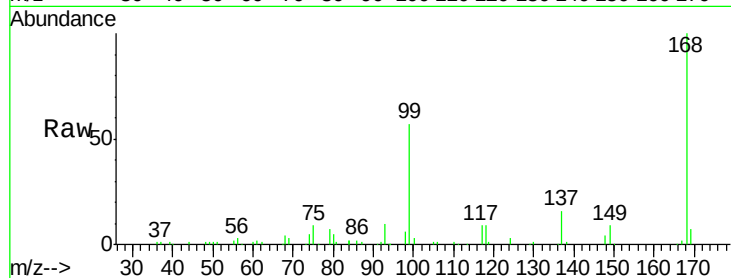
Tgt Ion: 75 Resp: 8410

Ion Ratio Lower Upper

75 100

110 7.2 17.9 53.7#

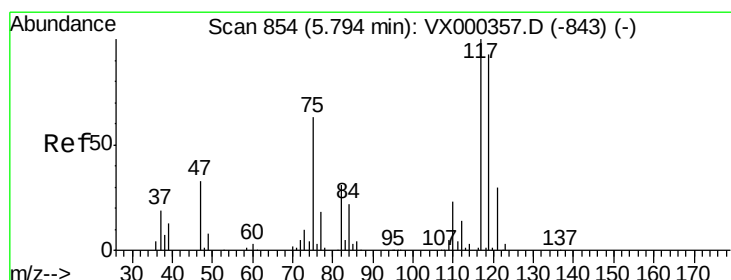
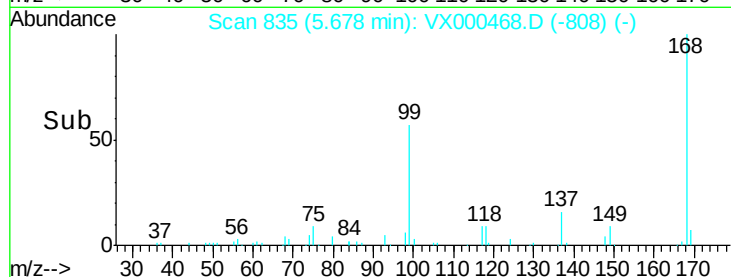
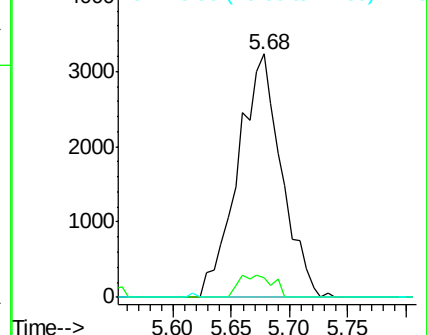
77 0.0 24.0 36.0#



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: 5.53 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

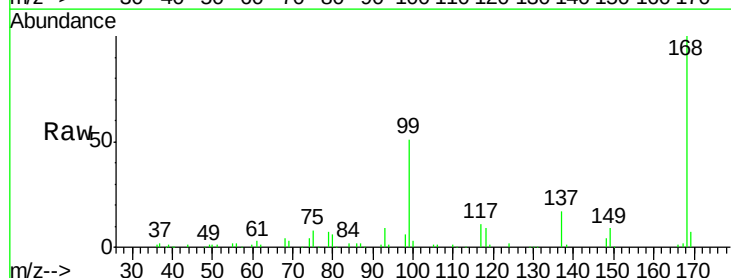
Tgt Ion: 117 Resp: 10092

Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.2#

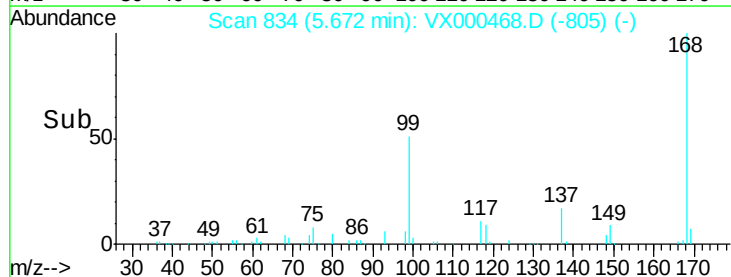
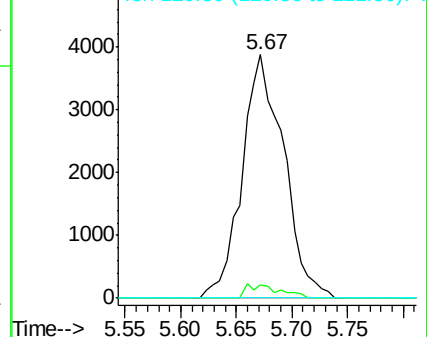
121 0.0 24.8 37.2#

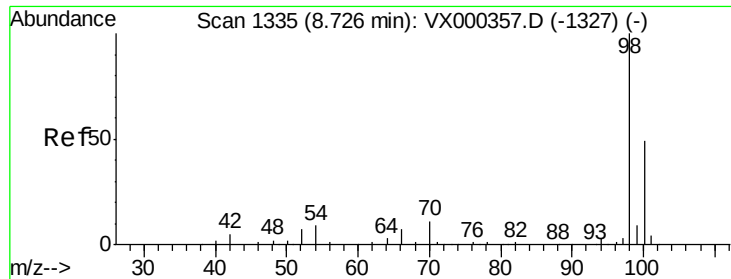


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

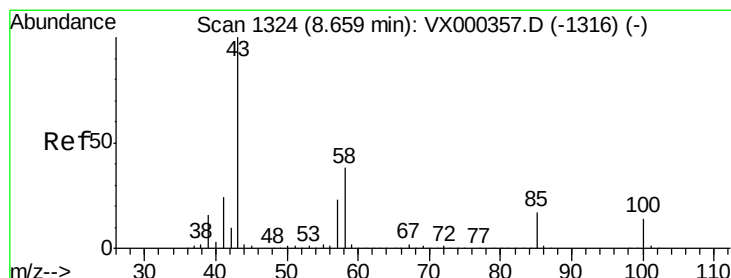
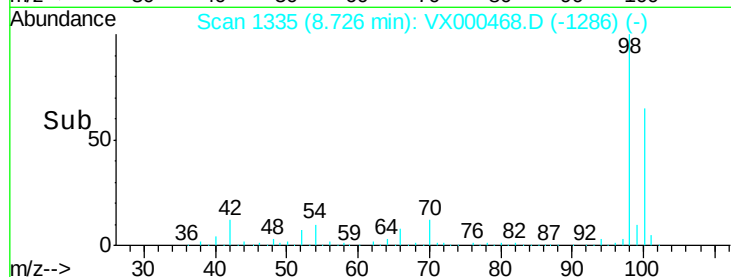
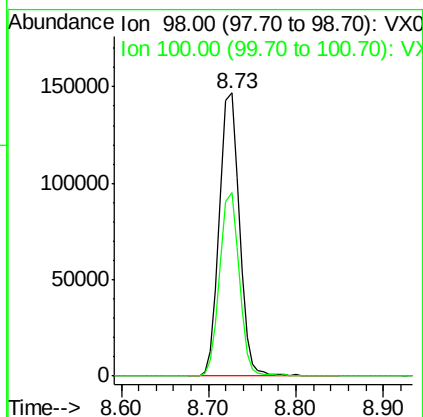
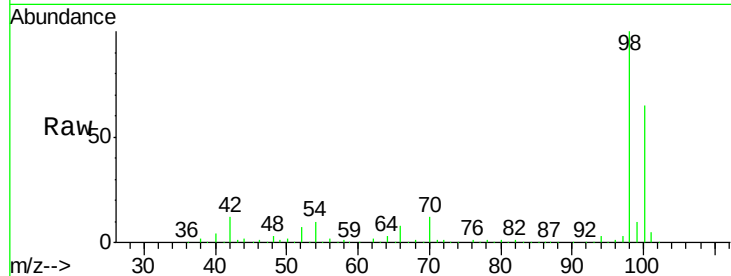




#50
Toluene-d8
Concen: 48.30 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

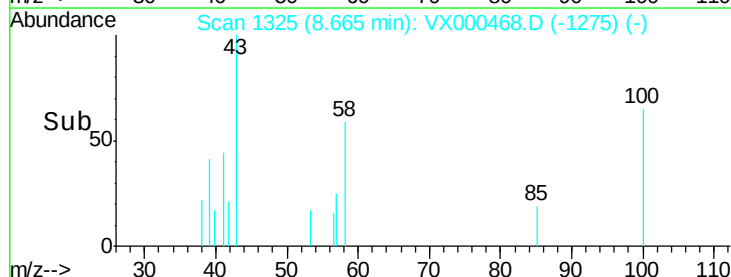
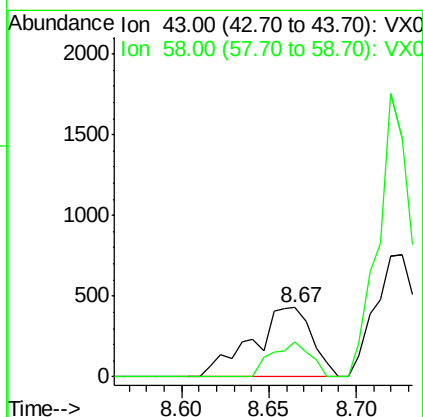
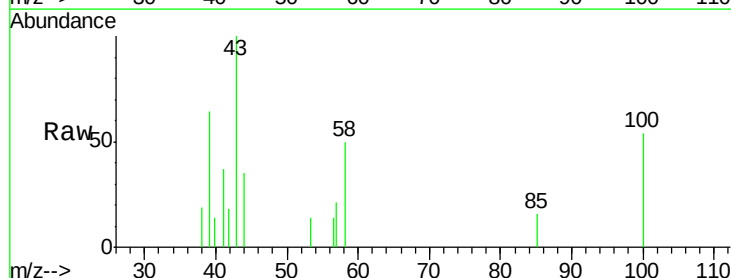
Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2036

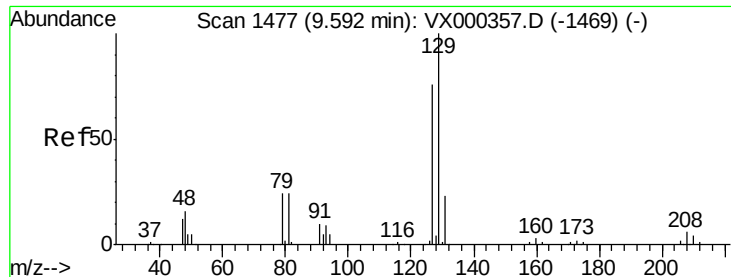
Tgt Ion: 98 Resp: 234022
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.37 ug/l
RT: 8.67 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

Tgt Ion: 43 Resp: 1023
Ion Ratio Lower Upper
43 100
58 32.6 30.3 45.5





#60

Dibromochloromethane

Concen: 4.14 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

Instrument :

MSVOA_X

ClientSampled :

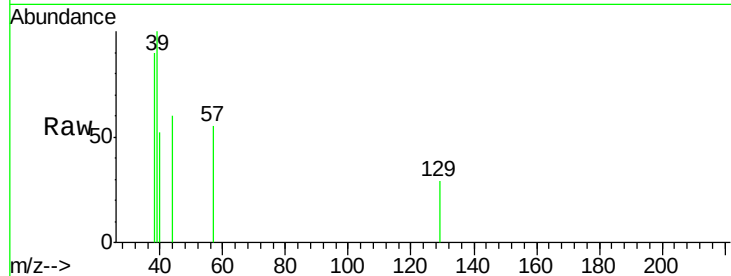
RO-CV-2036

Tgt Ion:129 Resp: 41

Ion Ratio Lower Upper

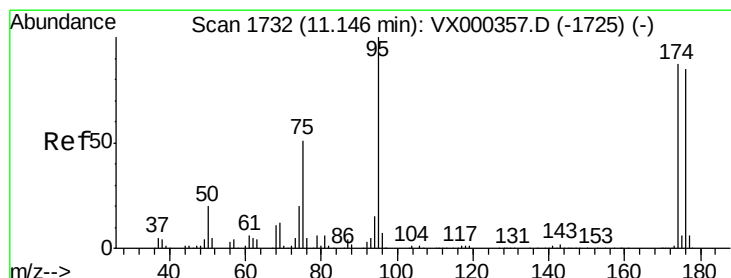
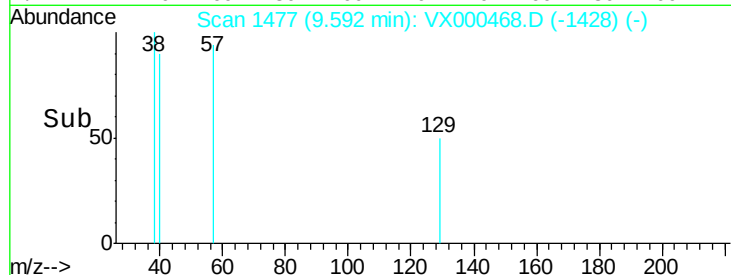
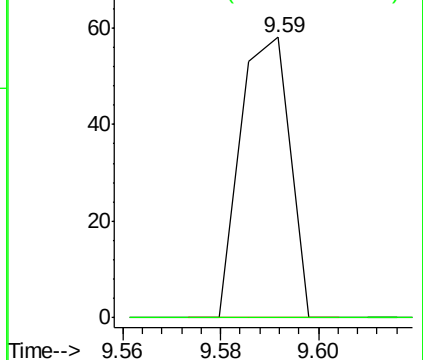
129 100

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: 39.84 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

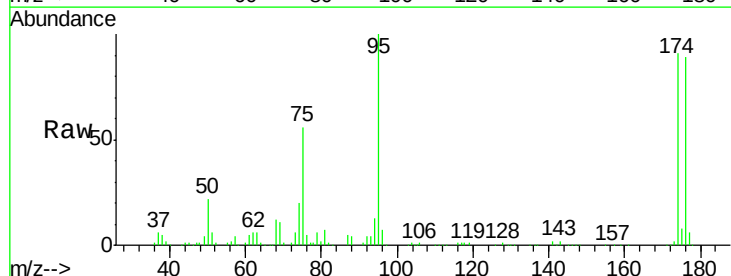
Tgt Ion: 95 Resp: 78622

Ion Ratio Lower Upper

95 100

174 92.0 0.0 173.6

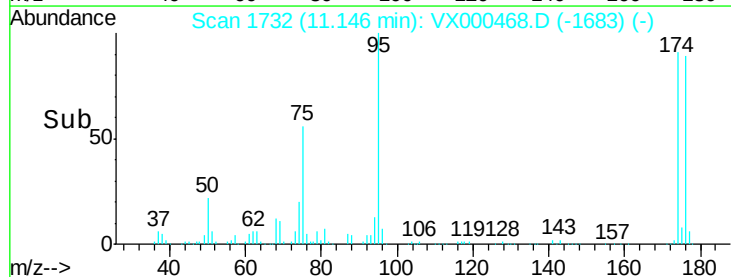
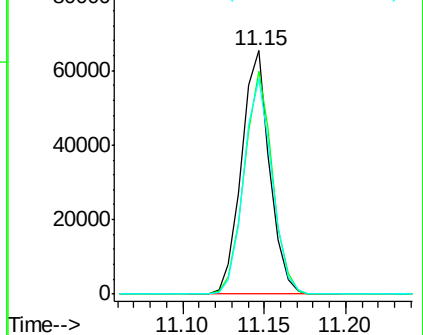
176 89.0 0.0 164.6

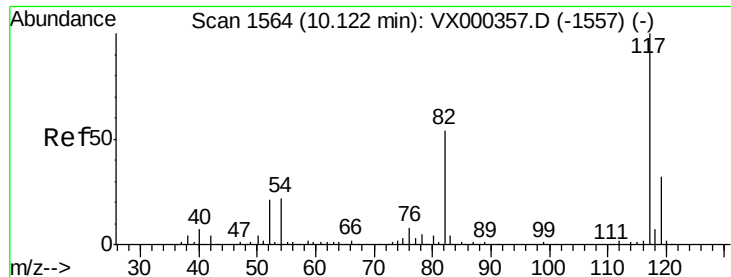


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

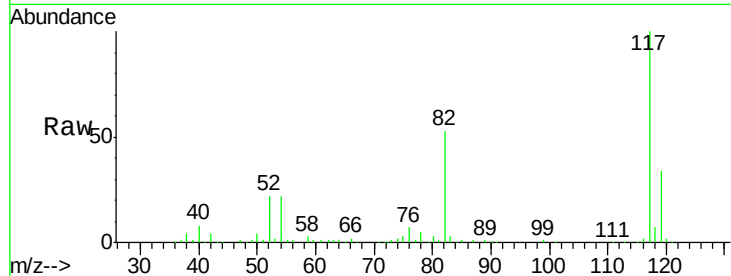




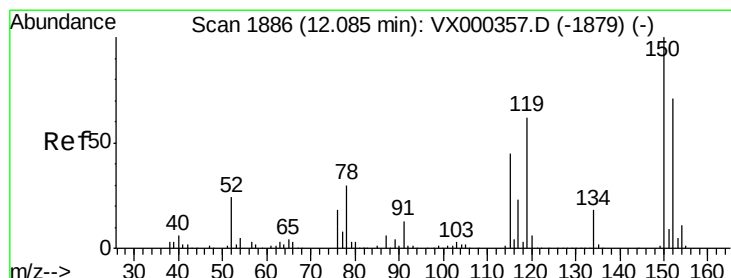
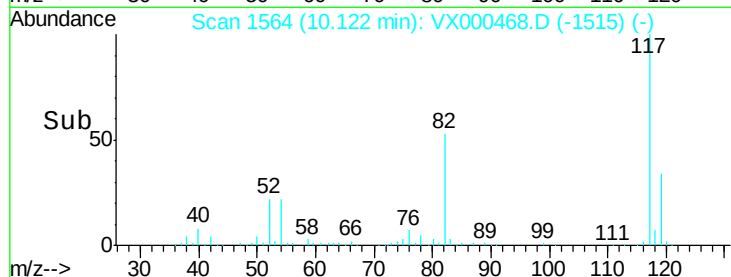
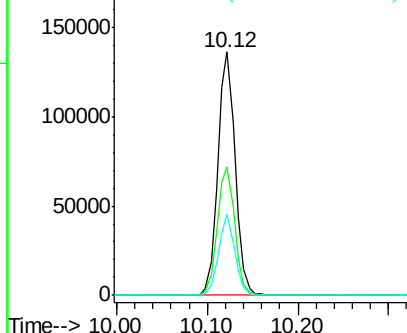
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

Instrument :
MSVOA_X
ClientSampled :
RO-CV-2036

Tgt Ion:117 Resp: 182074
Ion Ratio Lower Upper
117 100
82 52.5 43.8 65.8
119 33.5 24.9 37.3

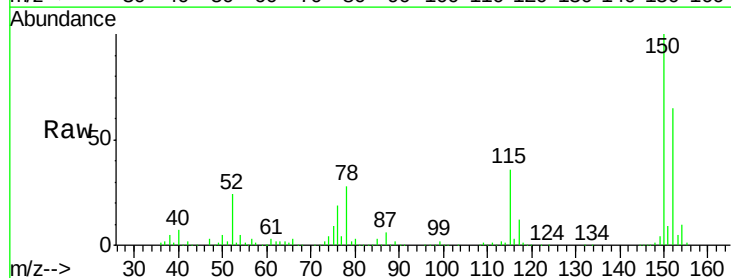


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

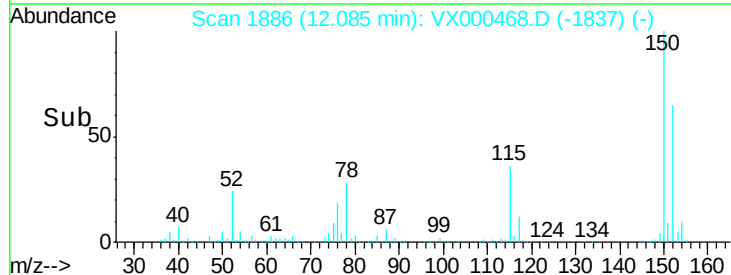
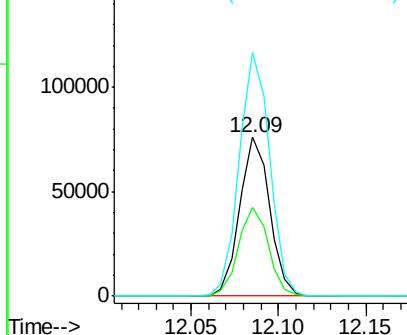


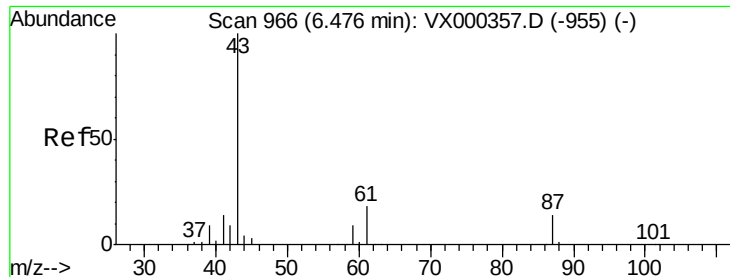
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

Tgt Ion:152 Resp: 90841
Ion Ratio Lower Upper
152 100
115 55.7 39.8 119.3
150 155.8 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: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

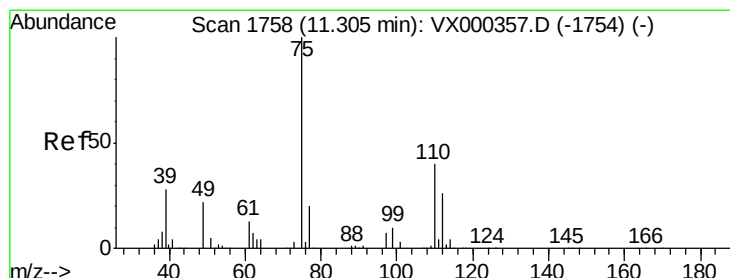
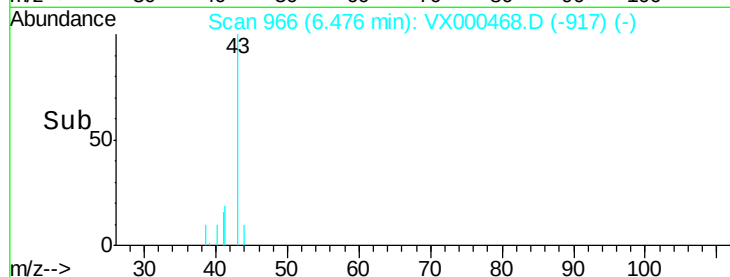
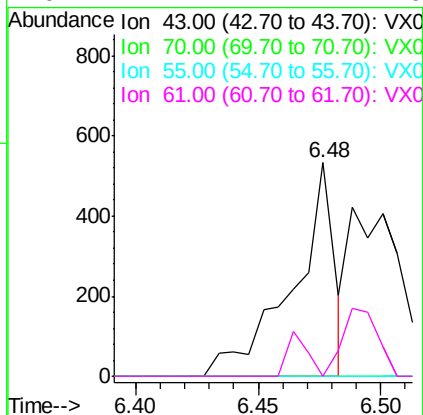
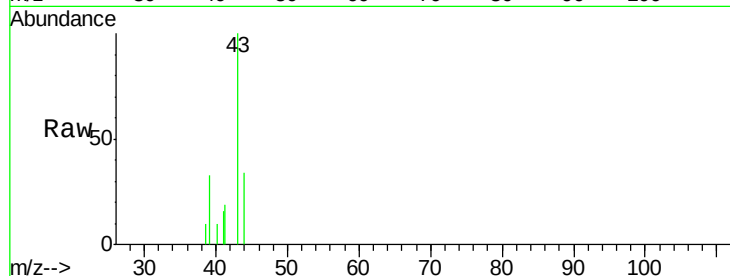
Instrument :

MSVOA_X

ClientSampled :

RO-CV-2036

Tgt Ion:	43	Resp:	632
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	27.1	14.4	21.6#



#76

1,2,3-Trichloropropane

Concen: 23.33 ug/l

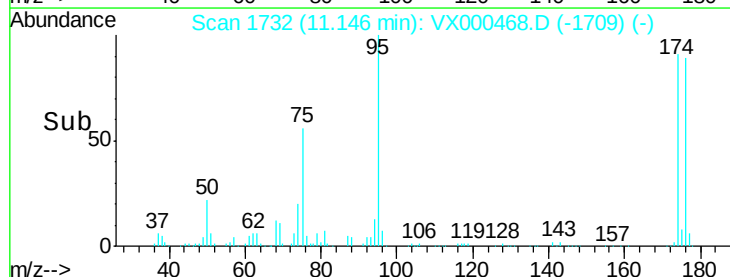
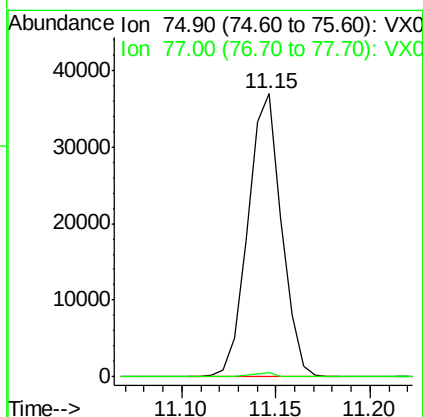
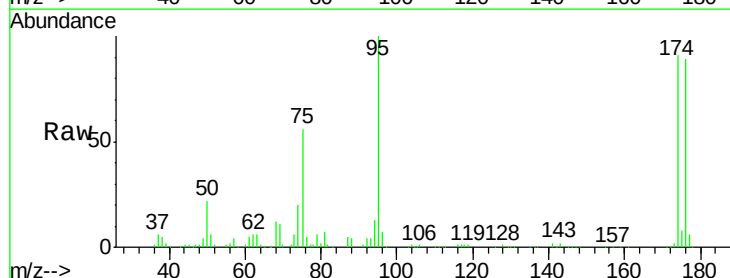
RT: 11.15 min Scan# 1732

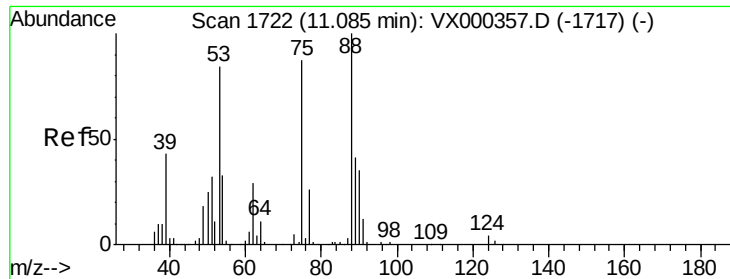
Delta R.T. -0.16 min

Lab File: VX000468.D

Acq: 27 Mar 2018 19:29

Tgt Ion:	75	Resp:	45543
Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.4	64.2#

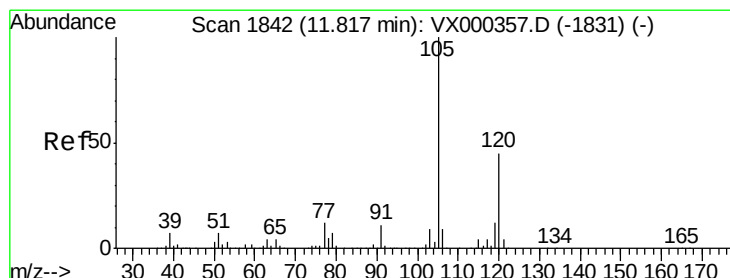
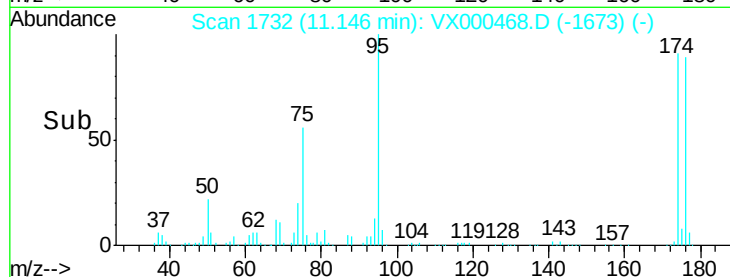
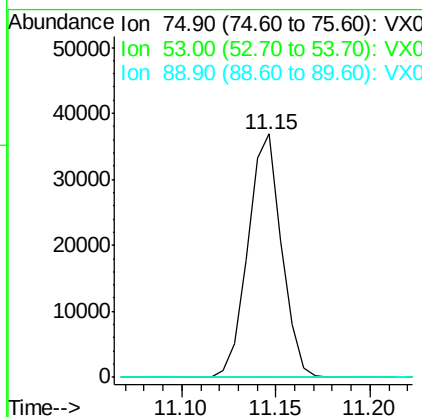
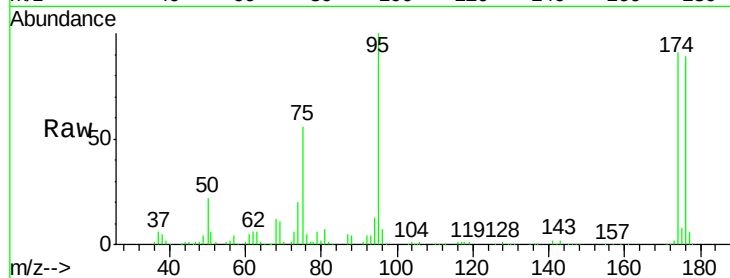




#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.53 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000468.D
 Acq: 27 Mar 2018 19:29

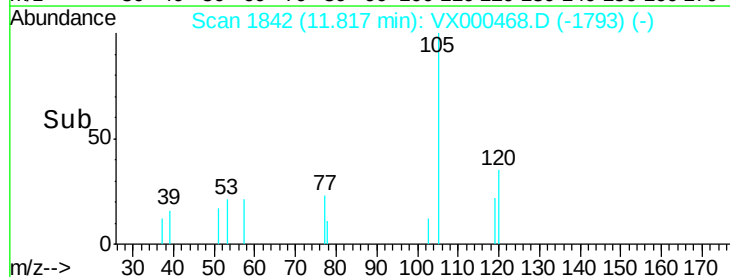
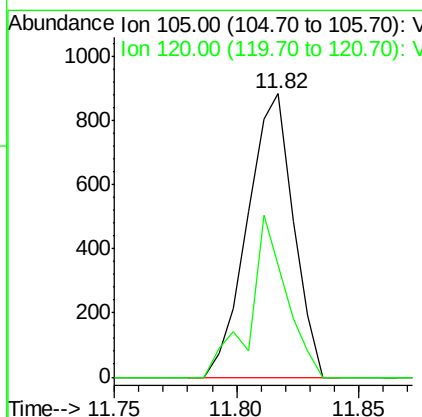
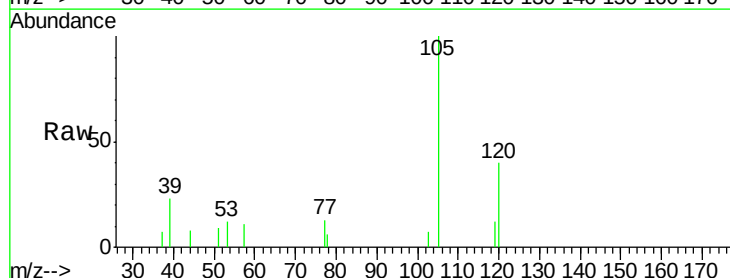
Instrument :
 MSVOA_X
 ClientSampleId :
 RO-CV-2036

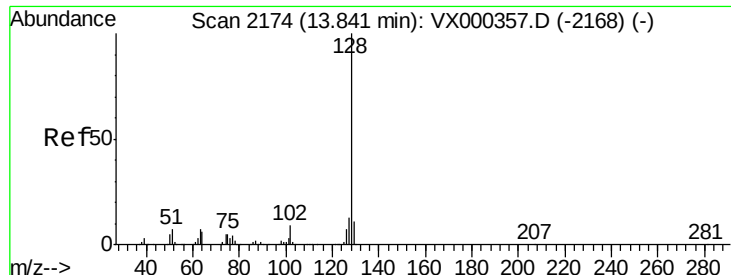
Tgt Ion: 75 Resp: 45543
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000468.D
 Acq: 27 Mar 2018 19:29

Tgt Ion: 105 Resp: 1159
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.3





#95
Naphthalene
Concen: 1.16 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000468.D
Acq: 27 Mar 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2036

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	15.8
129	13.0	8.9	13.3

