

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
 Data File : VX000469.D
 Acq On : 27 Mar 2018 19:54
 Operator : JC/MD
 Sample : J2068-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RO-CV-2043

Quant Time: Mar 28 06:54:55 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	97743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	174874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	171069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	85001	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	73223	57.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.78%	
35) Dibromofluoromethane	5.52	113	57324	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	8.73	98	224622	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.15	95	71674	38.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.52%	

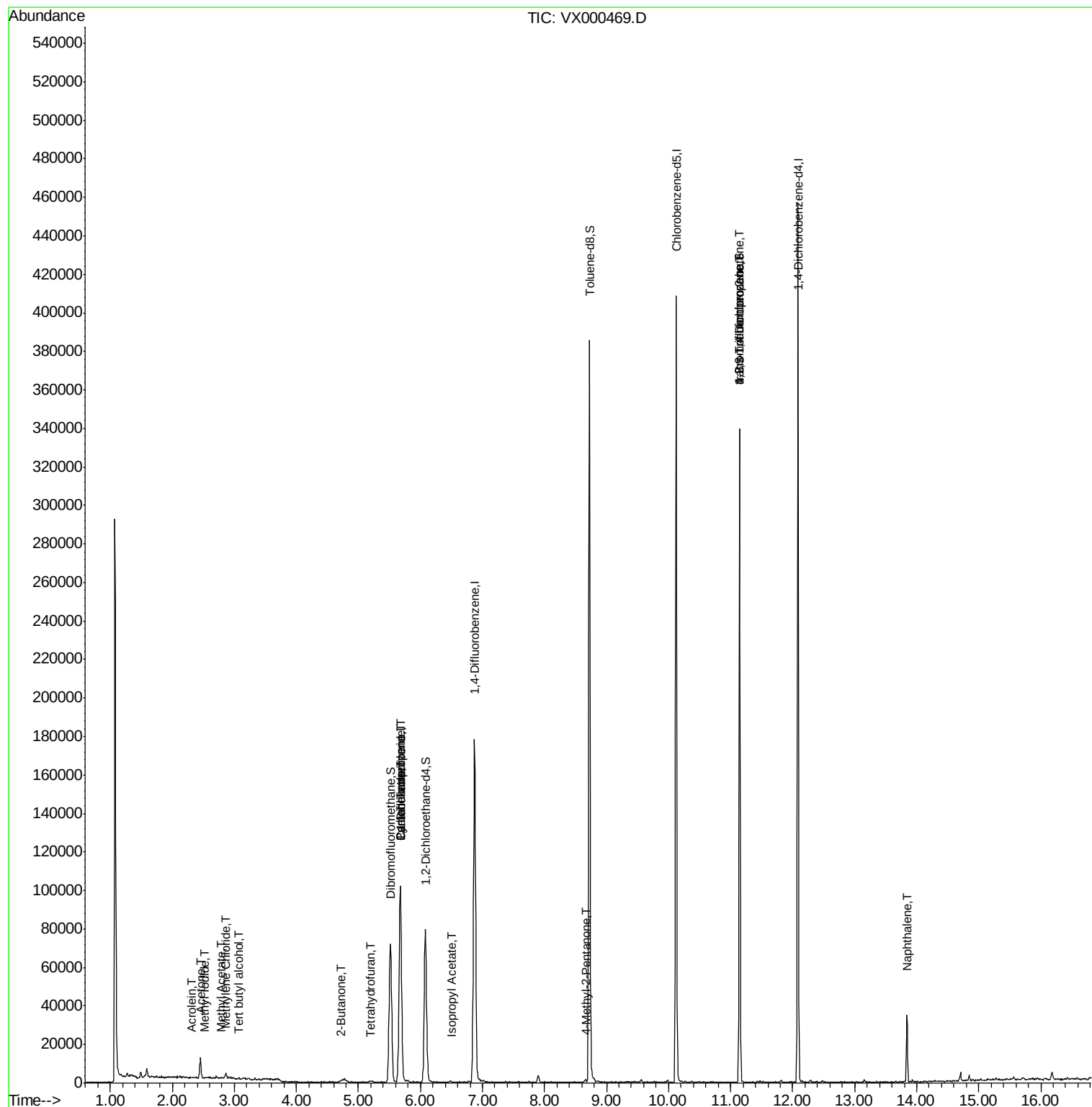
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	281	Below Cal	#	44
10) Methyl Iodide	2.52	142	23	4.29	ug/l #	20
11) Tert butyl alcohol	3.07	59	368	0.84	ug/l #	72
13) Acrolein	2.31	56	41	14.85	ug/l #	13
16) Acetone	2.45	43	10553	9.94	ug/l	96
18) Methyl Acetate	2.78	43	608	0.27	ug/l #	80
20) Methylene Chloride	2.86	84	813	0.66	ug/l	92
25) 2-Butanone	4.72	43	1808	1.52	ug/l	95
29) Tetrahydrofuran	5.19	42	505	0.69	ug/l #	36
31) Cyclohexane	5.67	56	2657	1.65	ug/l #	42
36) 1,1-Dichloropropene	5.67	75	7798	4.76	ug/l #	51
38) Carbon Tetrachloride	5.67	117	9905	5.76	ug/l #	14
43) Isopropyl Acetate	6.49	43	888	0.27	ug/l #	68
51) 4-Methyl-2-Pentanone	8.66	43	1109	0.43	ug/l #	77
74) N-amyl acetate	6.49	43	888	Below Cal	#	65
76) 1,2,3-Trichloropropane	11.15	75	42775	23.42	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	42775	75.81	ug/l #	9
95) Naphthalene	13.84	128	20218	2.91	ug/l	99

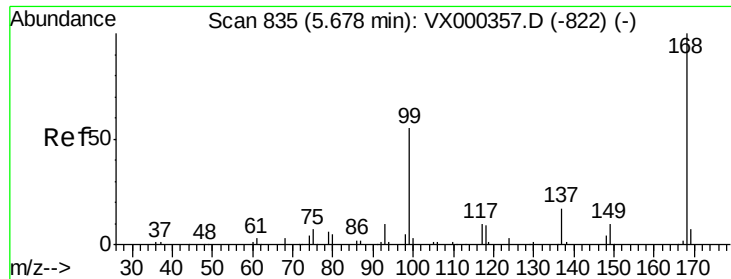
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

Instrument :

MSVOA_X

ClientSampled :

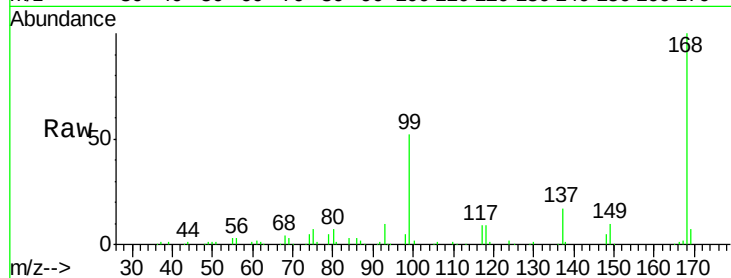
RO-CV-2043

Tgt Ion: 168 Resp: 97743

Ion Ratio Lower Upper

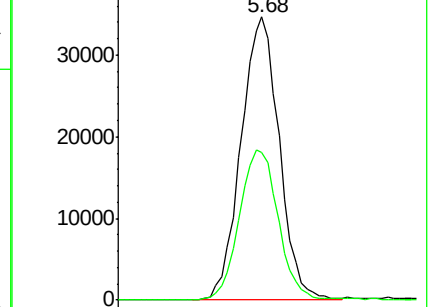
168 100

99 52.1 45.8 68.6

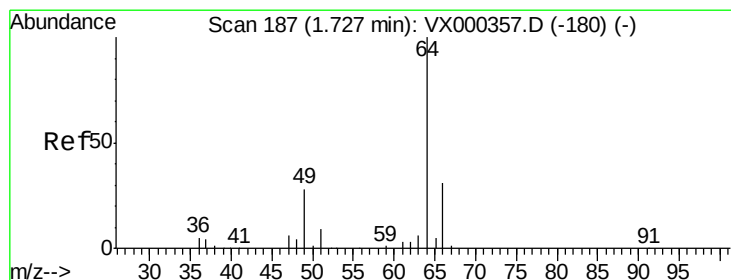
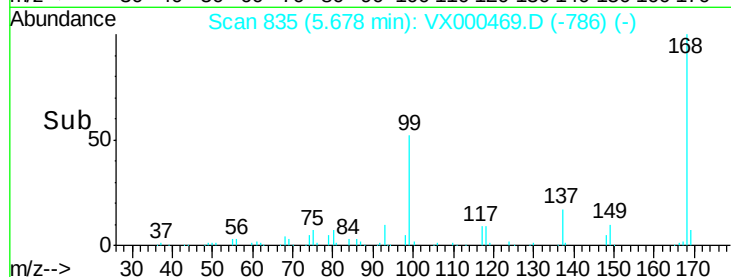


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000469.D

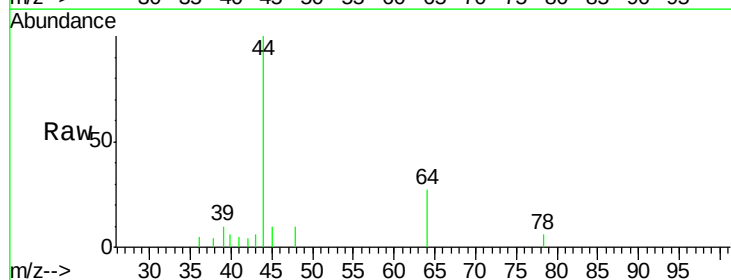
Acq: 27 Mar 2018 19:54

Tgt Ion: 64 Resp: 281

Ion Ratio Lower Upper

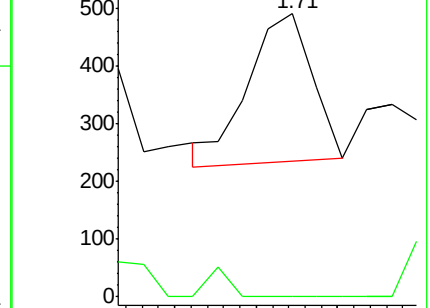
64 100

66 0.0 24.8 37.2#

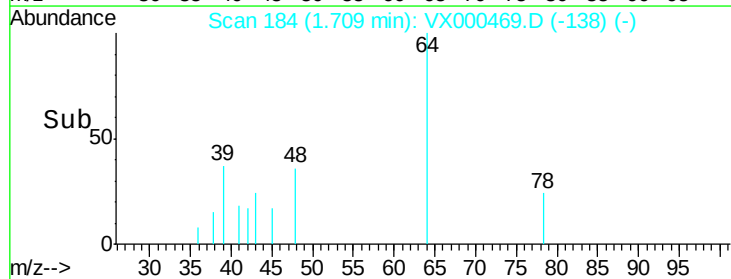


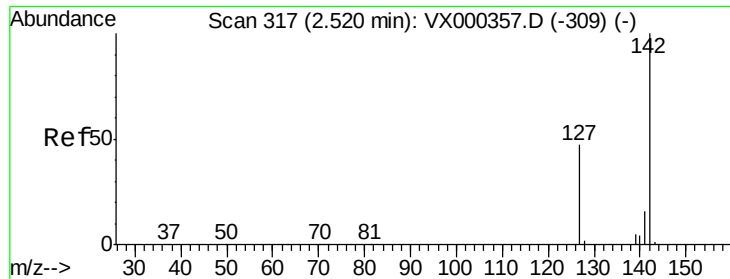
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

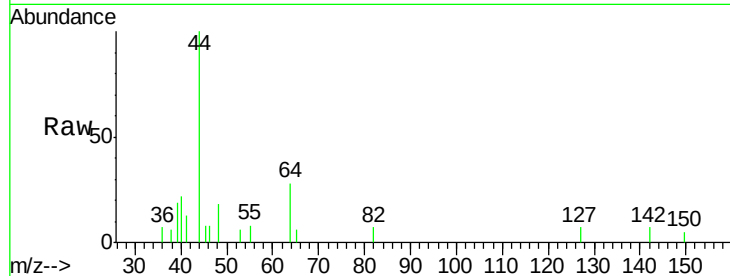




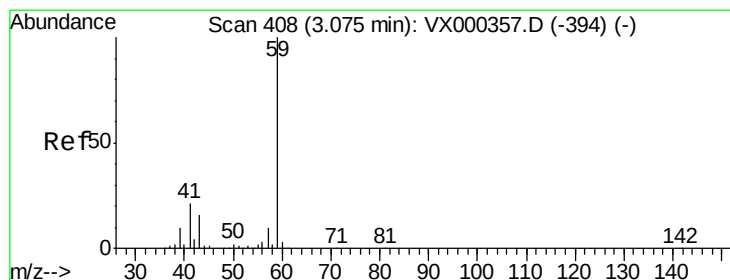
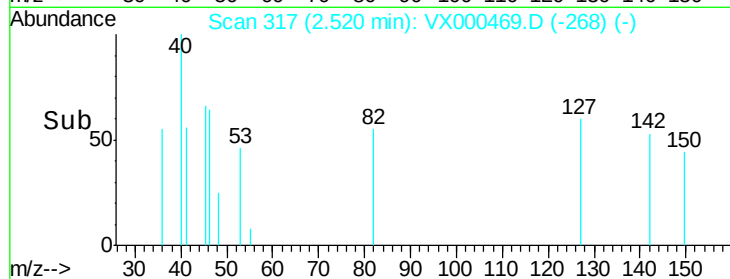
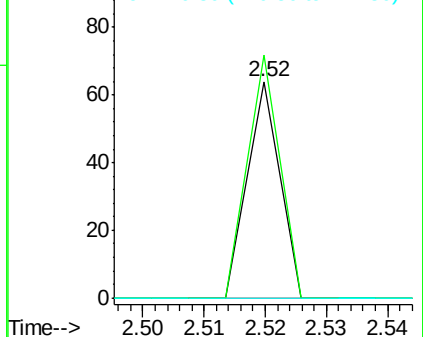
#10
Methyl Iodide
Concen: 4.29 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000469.D
Acq: 27 Mar 2018 19:54

Instrument :
MSVOA_X
ClientSampled :
RO-CV-2043

Tgt Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 113.0 39.2 58.8#
141 0.0 11.7 17.5#

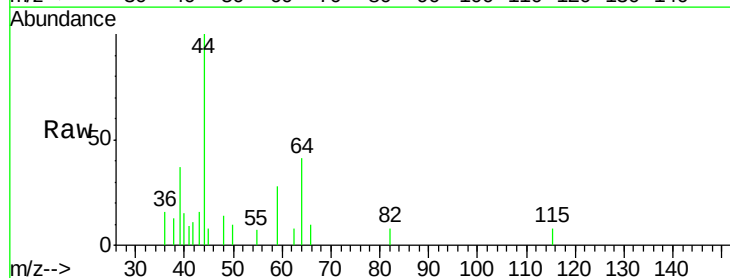


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

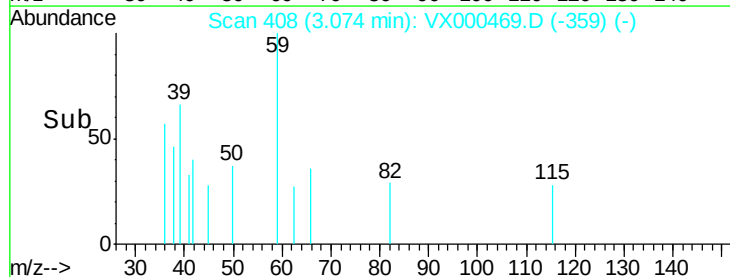
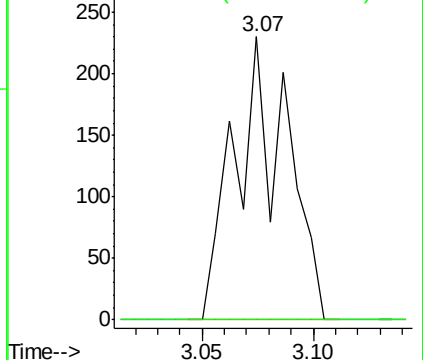


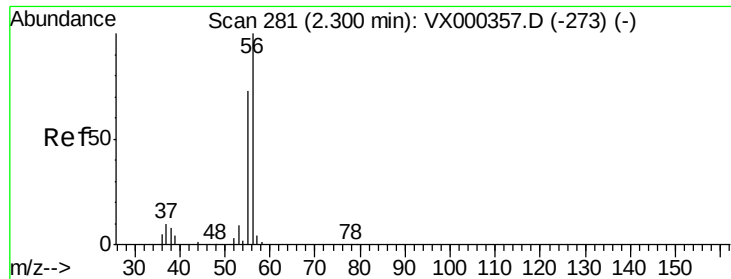
#11
Tert butyl alcohol
Concen: 0.84 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000469.D
Acq: 27 Mar 2018 19:54

Tgt Ion: 59 Resp: 368
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.85 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

Instrument :

MSVOA_X

ClientSampled :

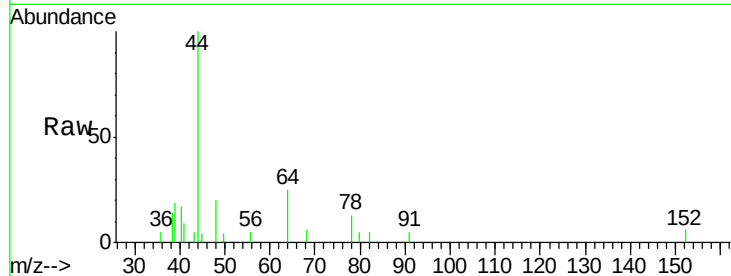
RO-CV-2043

Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

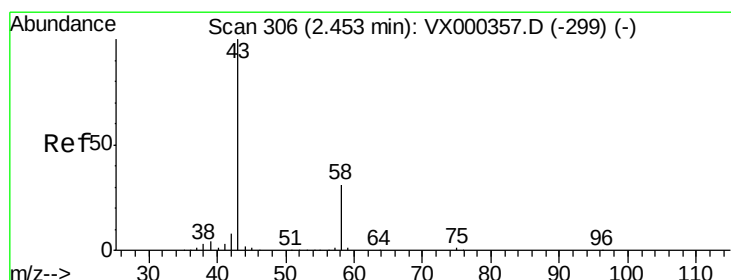
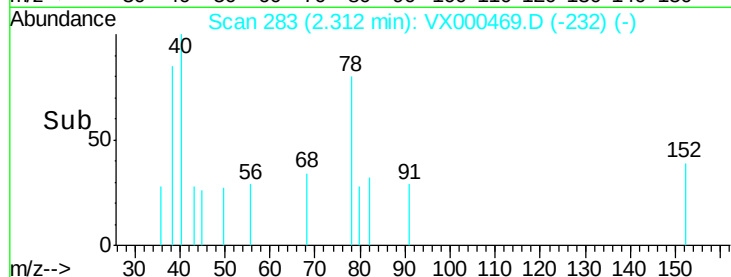
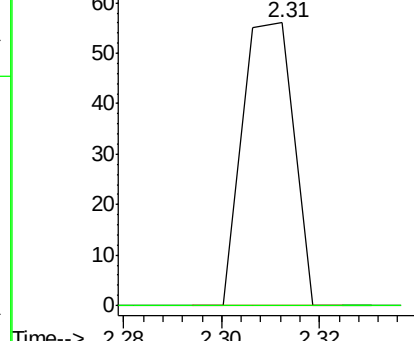
56 100

55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 9.94 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000469.D

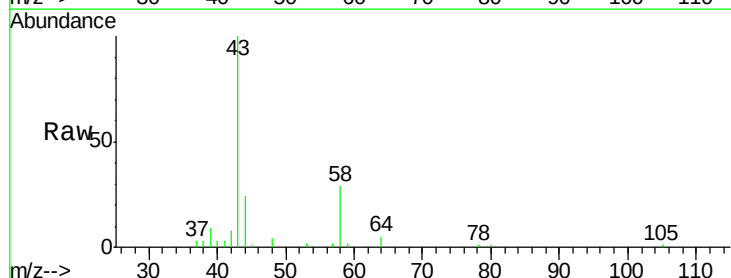
Acq: 27 Mar 2018 19:54

Tgt Ion: 43 Resp: 10553

Ion Ratio Lower Upper

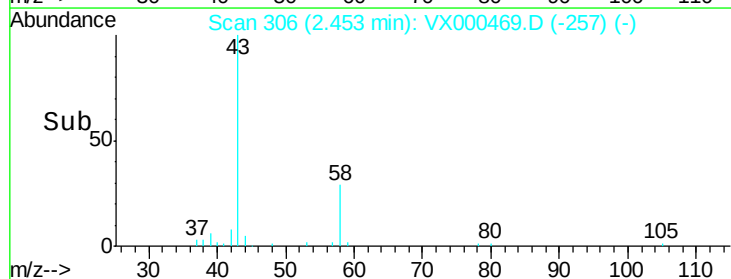
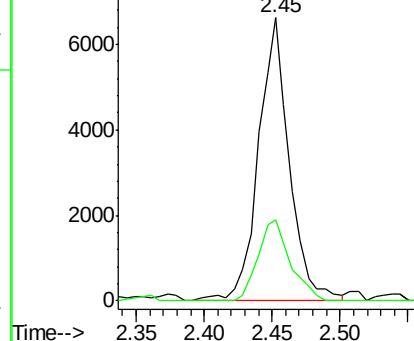
43 100

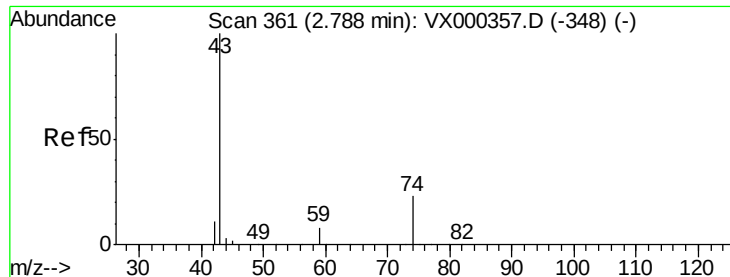
58 28.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

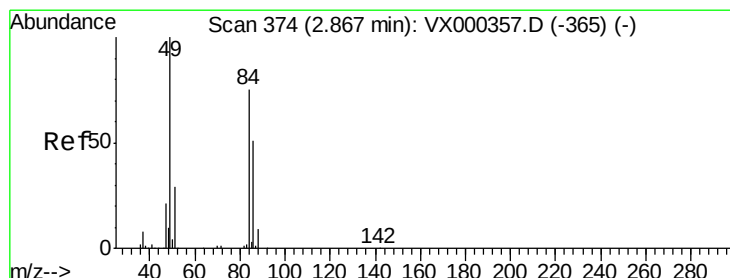
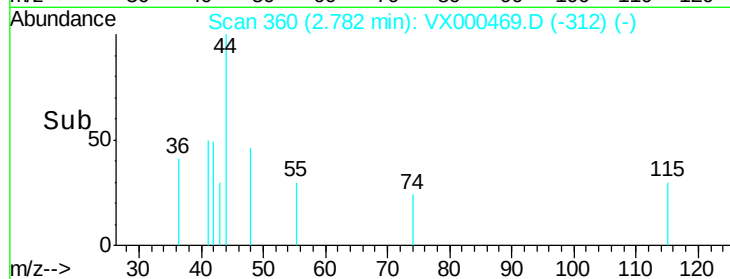
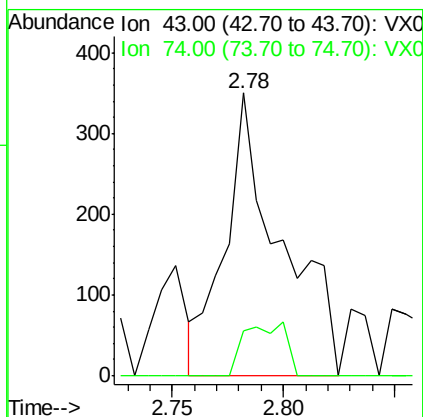
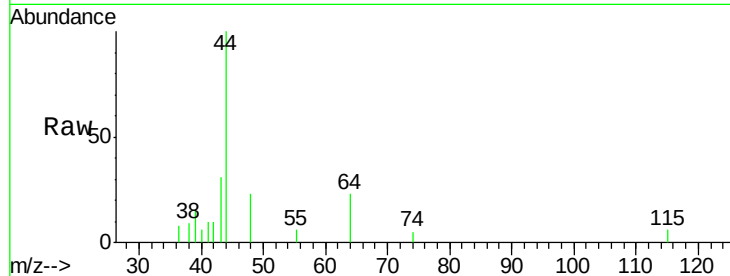




#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000469.D
Acq: 27 Mar 2018 19:54

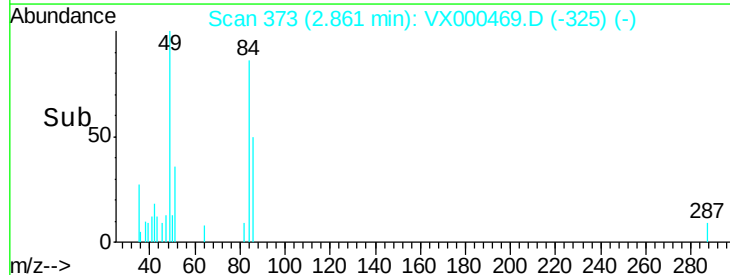
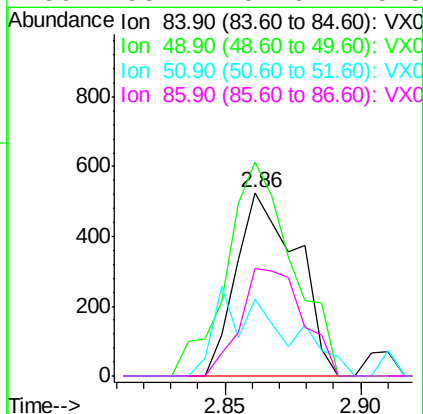
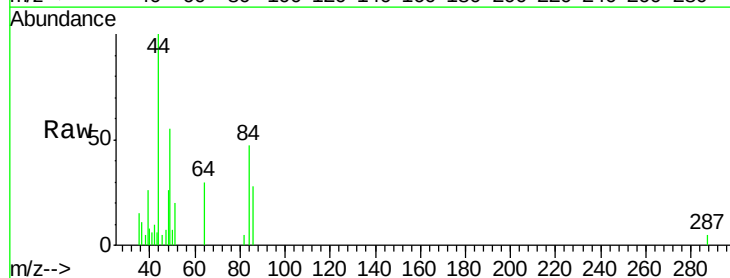
Instrument :
MSVOA_X
ClientSampled :
RO-CV-2043

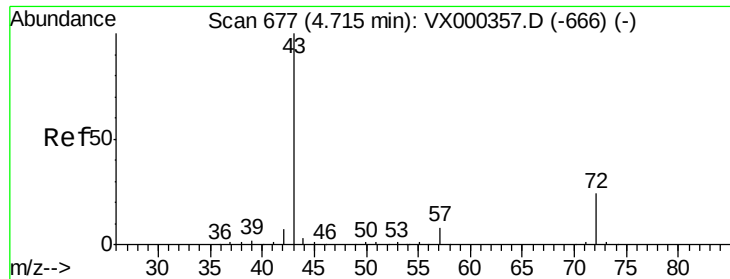
Tgt Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
74 14.1 19.4 29.2#



#20
Methylene Chloride
Concen: 0.66 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000469.D
Acq: 27 Mar 2018 19:54

Tgt Ion: 84 Resp: 813
Ion Ratio Lower Upper
84 100
49 116.3 100.6 151.0
51 42.2 31.6 47.4
86 58.7 52.6 78.8





#25

2-Butanone

Concen: 1.52 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

Instrument :

MSVOA_X

ClientSampled :

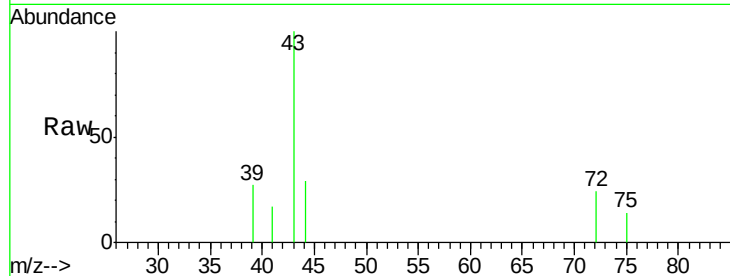
RO-CV-2043

Tgt Ion: 43 Resp: 1808

Ion Ratio Lower Upper

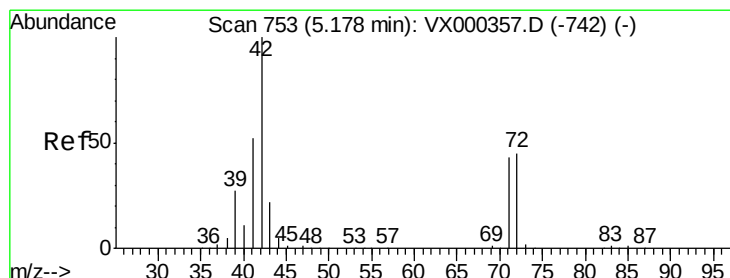
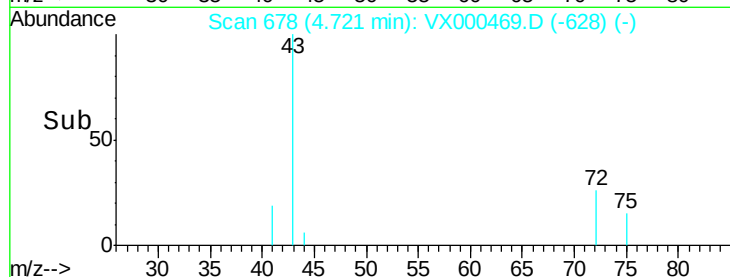
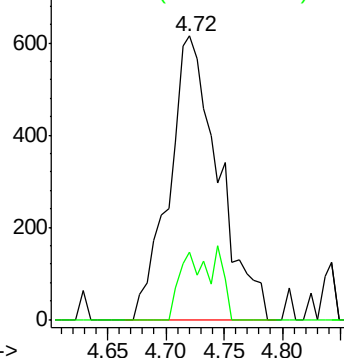
43 100

72 23.9 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: 0.69 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

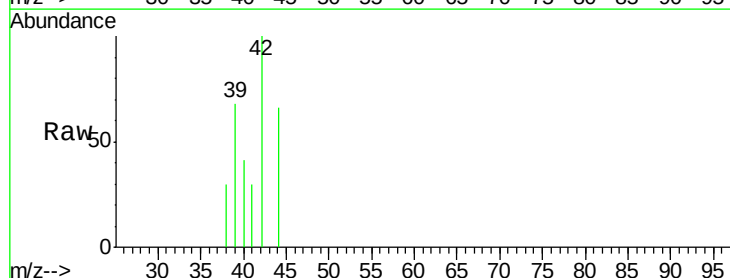
Tgt Ion: 42 Resp: 505

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

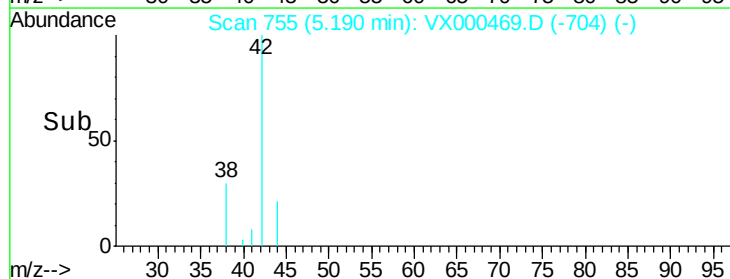
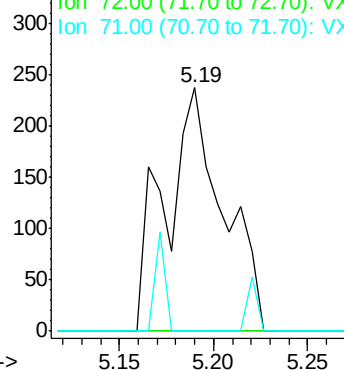
71 6.9 34.4 51.6#

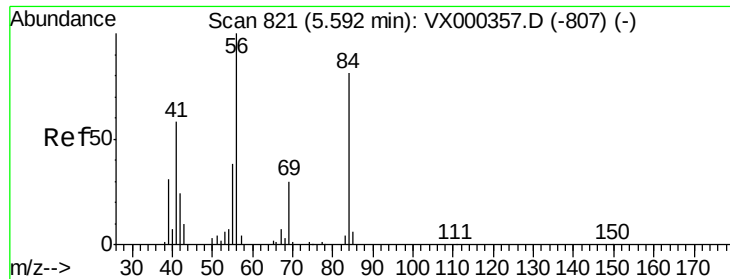


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

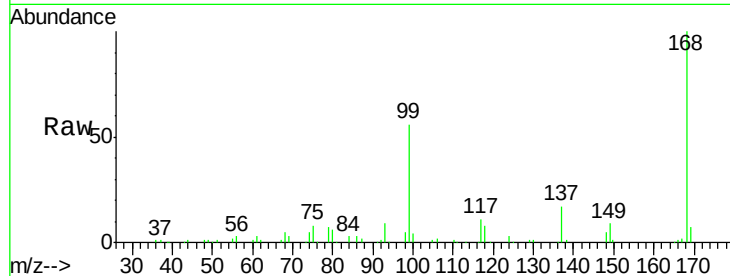




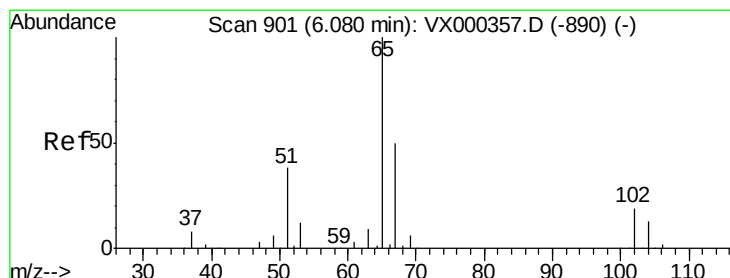
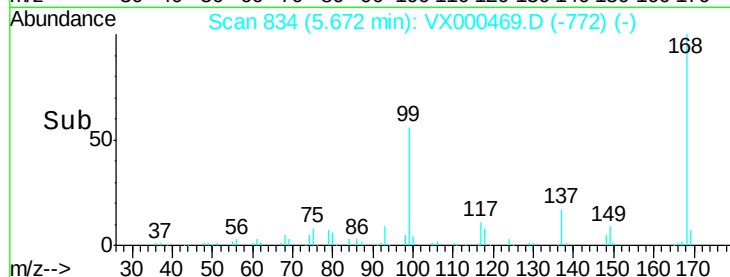
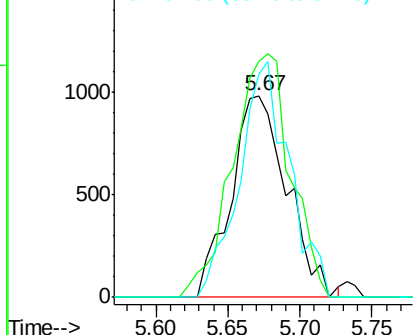
#31
Cyclohexane
Concen: 1.65 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000469.D
Acq: 27 Mar 2018 19:54

Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2043

Tgt Ion: 56 Resp: 2657
Ion Ratio Lower Upper
56 100
69 116.7 23.4 35.0#
84 110.3 71.0 106.4#

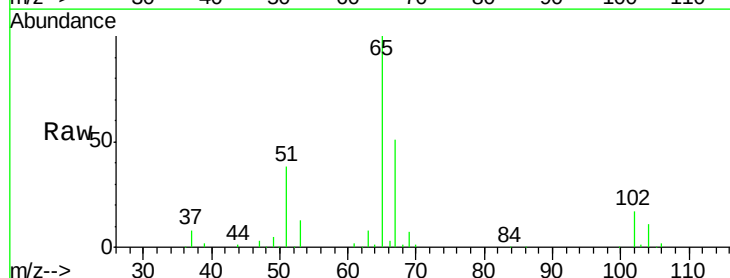


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

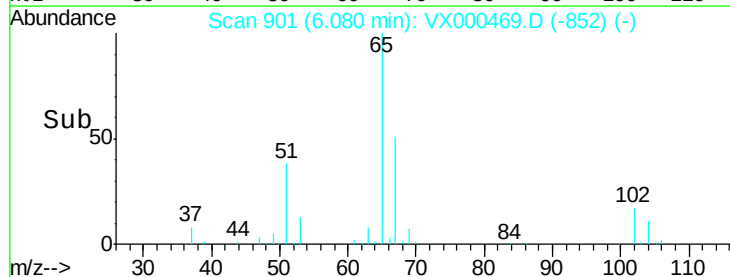
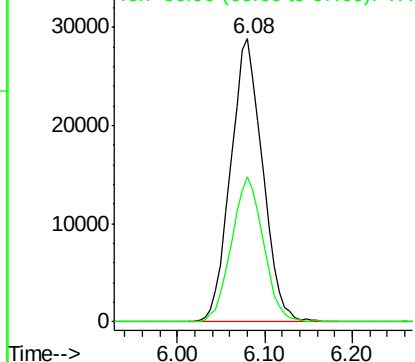


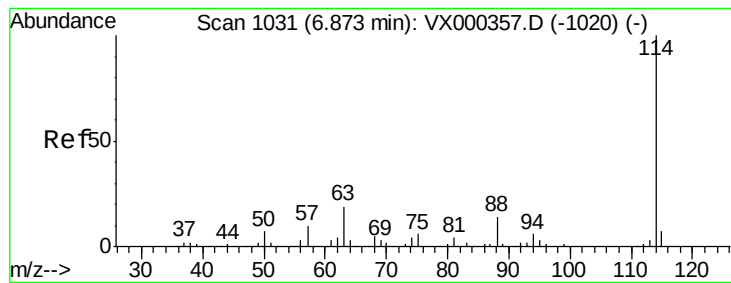
#33
1,2-Dichloroethane-d4
Concen: 57.39 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000469.D
Acq: 27 Mar 2018 19:54

Tgt Ion: 65 Resp: 73223
Ion Ratio Lower Upper
65 100
67 51.1 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: VX000469.D

Acq: 27 Mar 2018 19:54

Instrument :

MSVOA_X

ClientSampleId :

RO-CV-2043

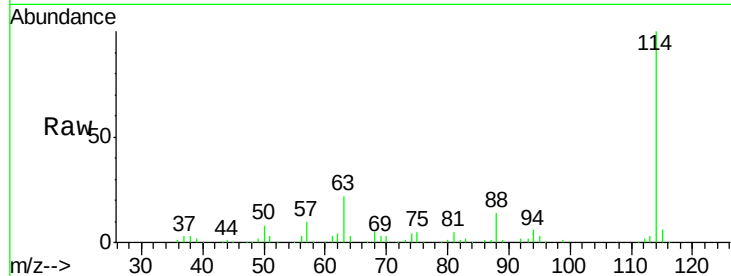
Tgt Ion:114 Resp: 174874

Ion Ratio Lower Upper

114 100

63 21.9 0.0 38.4

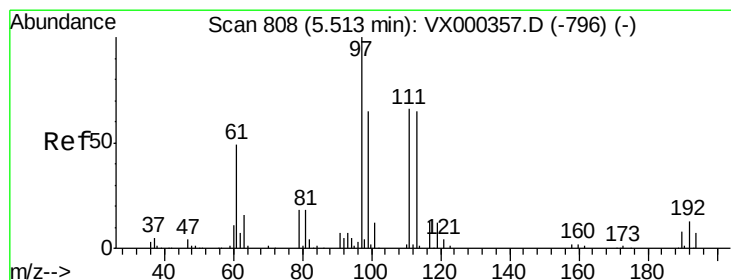
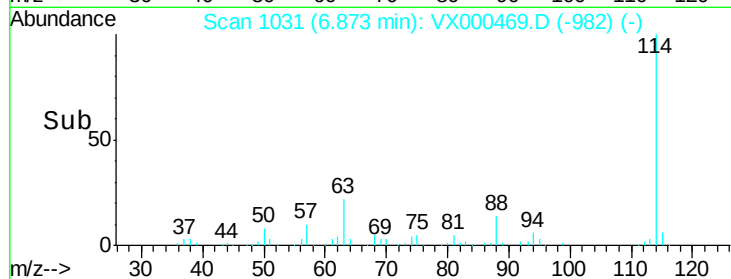
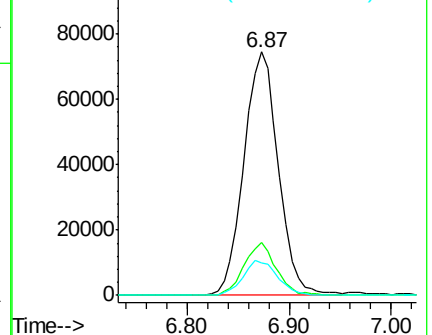
88 13.5 0.0 27.0



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: 52.02 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

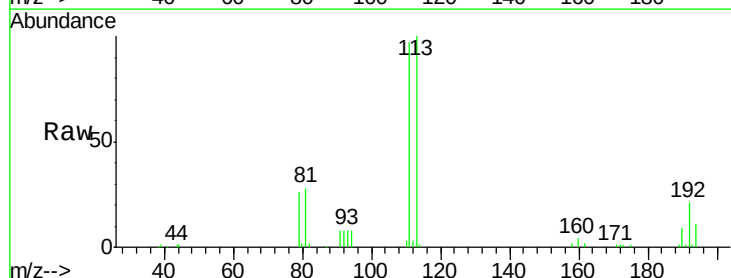
Tgt Ion:113 Resp: 57324

Ion Ratio Lower Upper

113 100

111 104.0 82.4 123.6

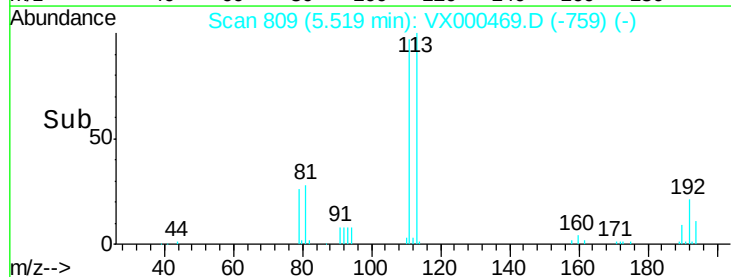
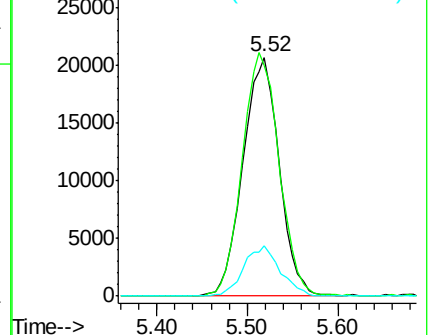
192 20.9 15.8 23.6

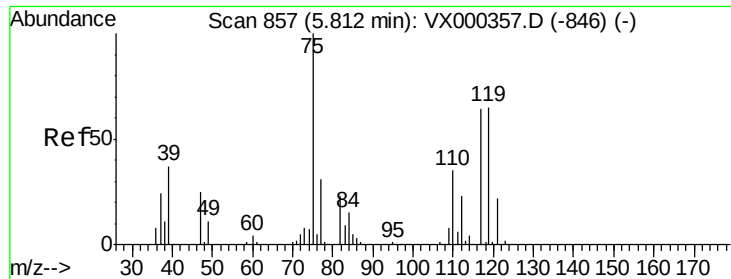


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.76 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2043

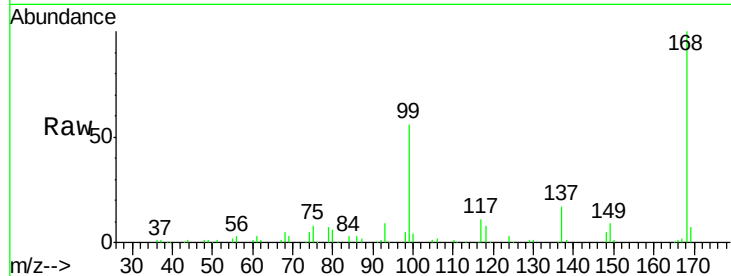
Tgt Ion: 75 Resp: 7798

Ion Ratio Lower Upper

75 100

110 10.6 17.9 53.7#

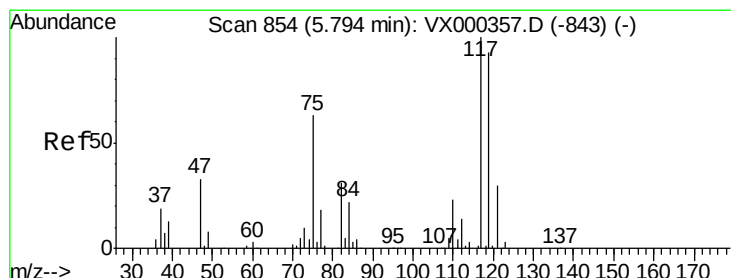
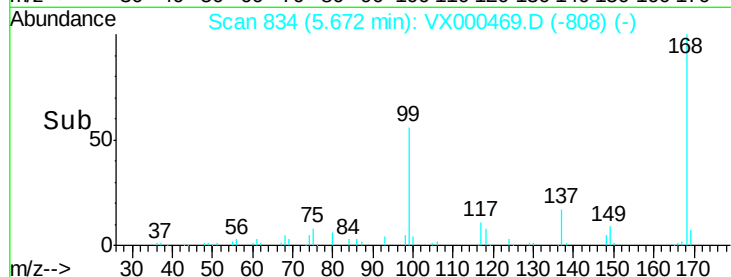
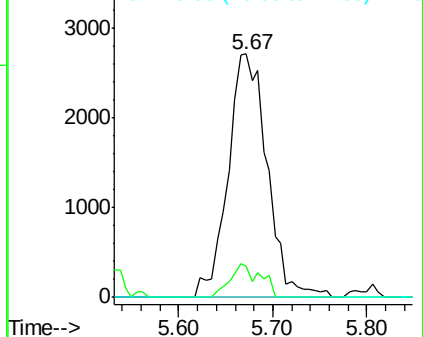
77 0.0 24.0 36.0#



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: 5.76 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

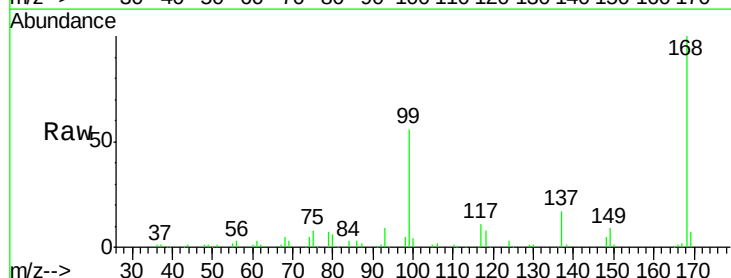
Tgt Ion: 117 Resp: 9905

Ion Ratio Lower Upper

117 100

119 2.5 77.4 116.2#

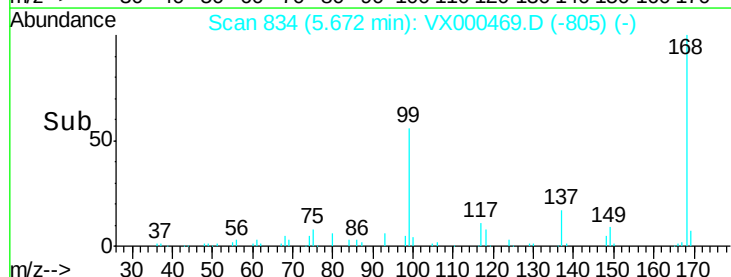
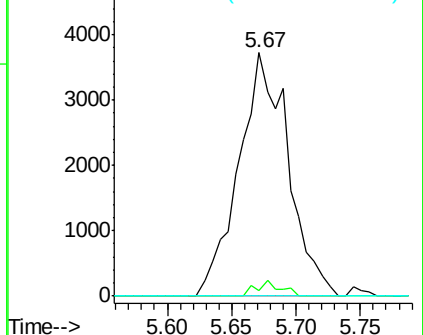
121 0.0 24.8 37.2#

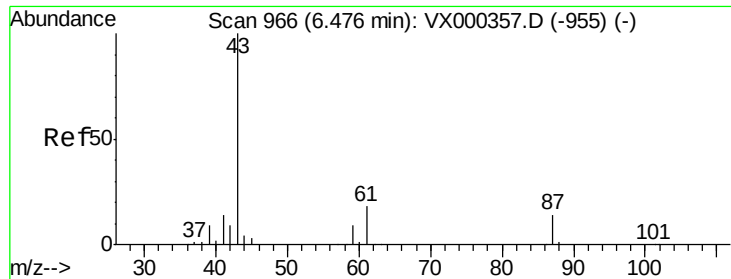


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.27 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

Instrument :

MSVOA_X

ClientSampleId :

RO-CV-2043

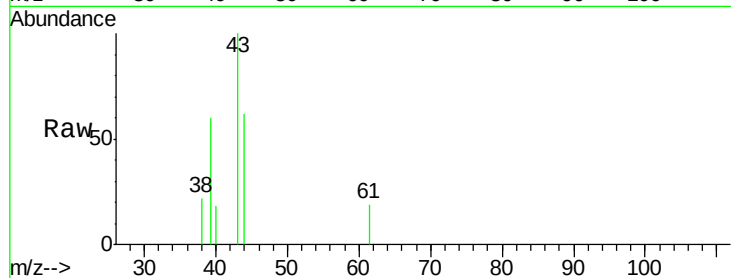
Tgt Ion: 43 Resp: 888

Ion Ratio Lower Upper

43 100

61 2.6 14.4 21.6#

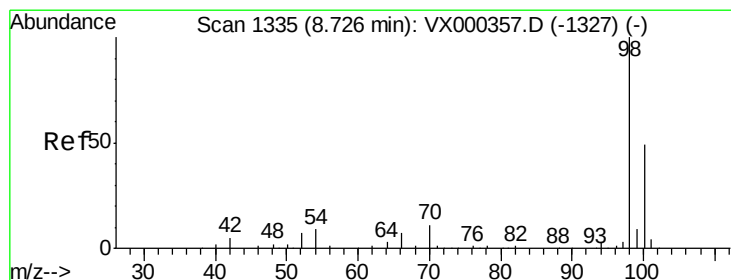
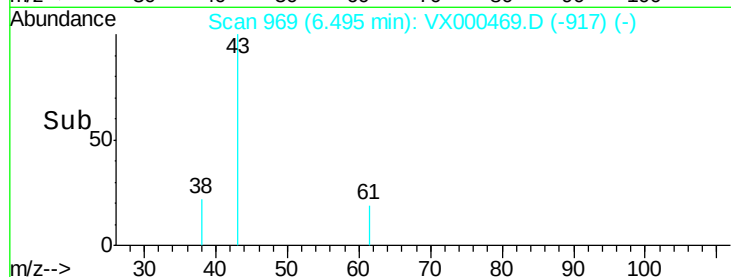
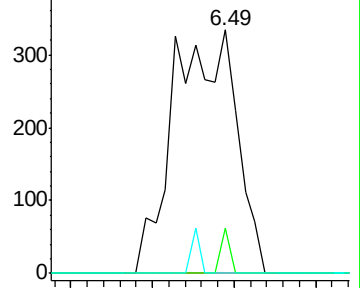
87 2.6 11.0 16.4#



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: 49.22 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000469.D

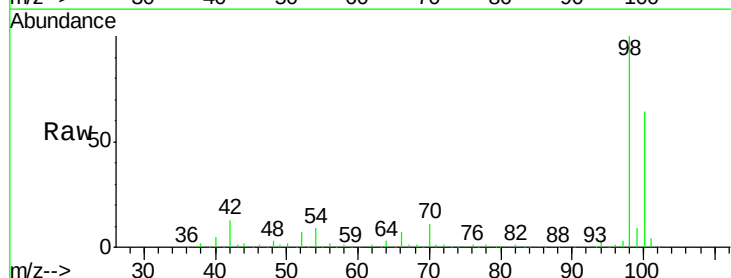
Acq: 27 Mar 2018 19:54

Tgt Ion: 98 Resp: 224622

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

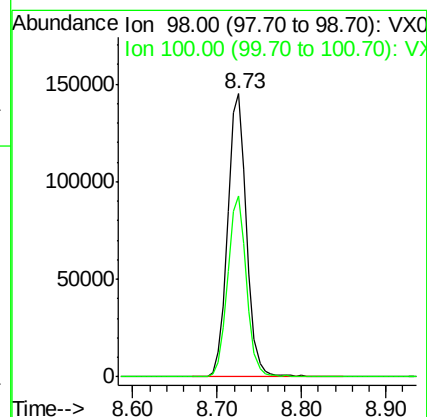
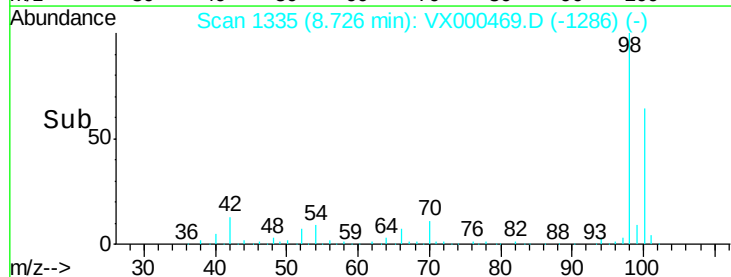
Ion 100.00 (99.70 to 100.70): VX0

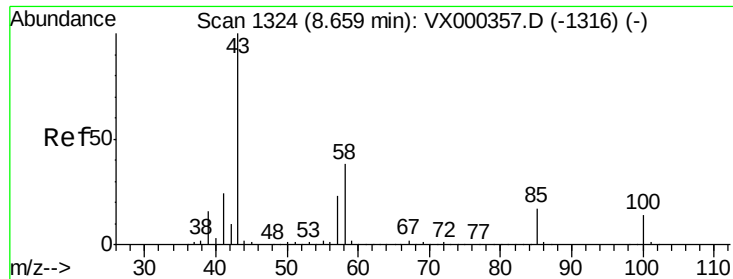
Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

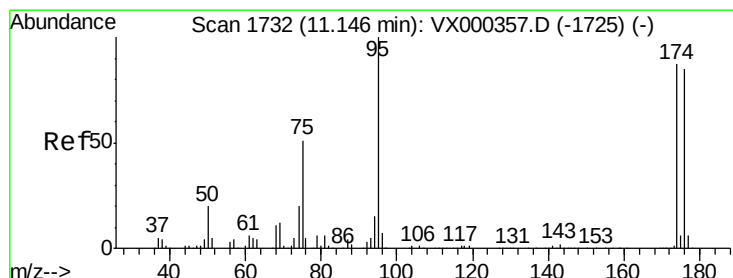
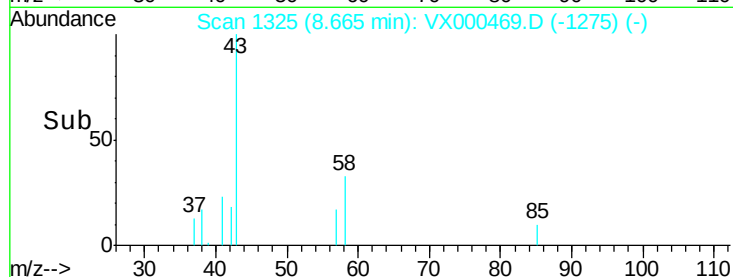
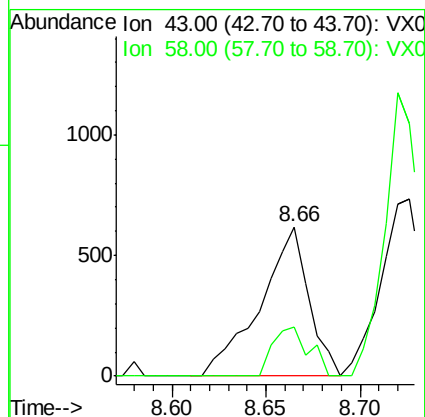
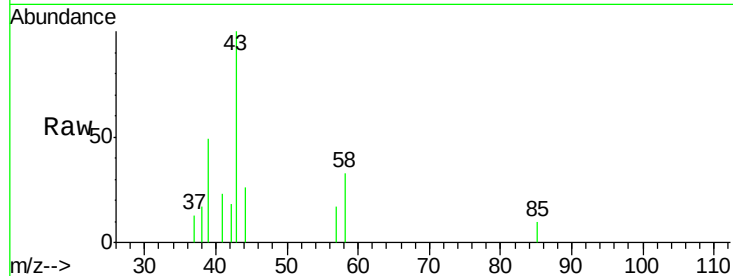




#51
 4-Methyl-2-Pentanone
 Concen: 0.43 ug/l
 RT: 8.66 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX000469.D
 Acq: 27 Mar 2018 19:54

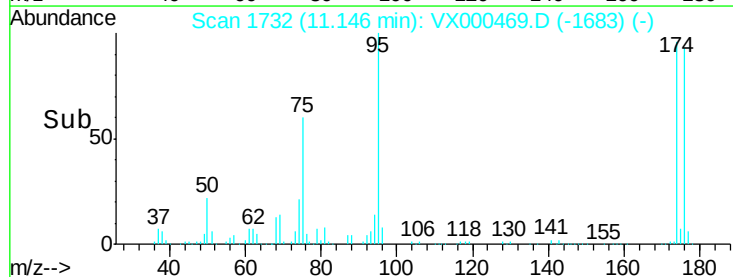
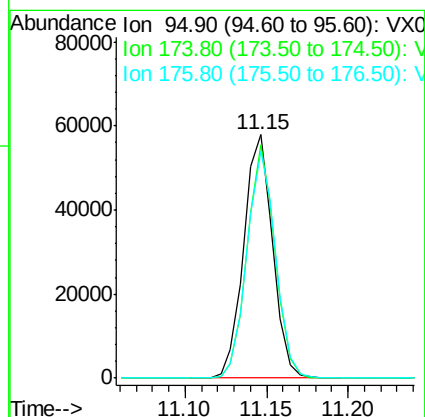
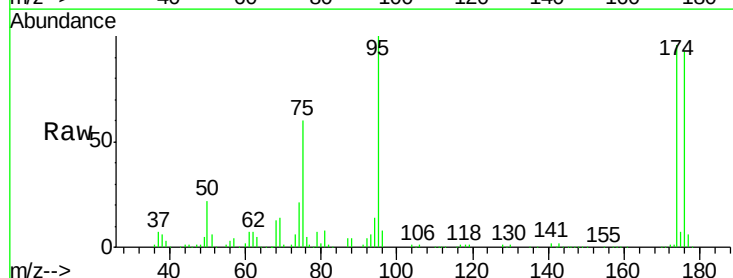
Instrument :
 MSVOA_X
 ClientSampled :
 RO-CV-2043

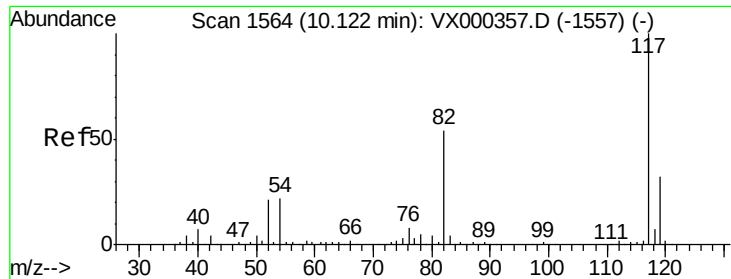
Tgt Ion: 43 Resp: 1109
 Ion Ratio Lower Upper
 43 100
 58 24.3 30.3 45.5#



#62
 4-Bromofluorobenzene
 Concen: 38.76 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000469.D
 Acq: 27 Mar 2018 19:54

Tgt Ion: 95 Resp: 71674
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 173.6
 176 92.2 0.0 164.6

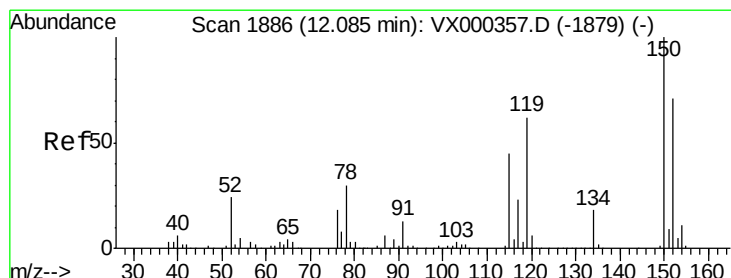
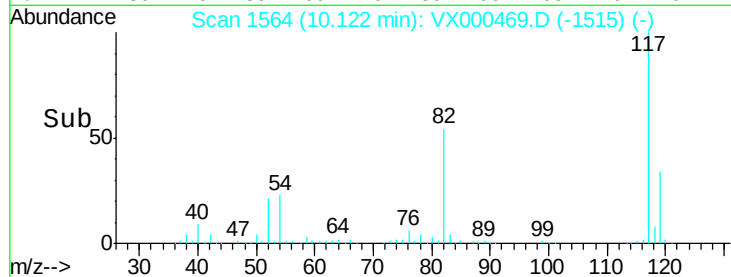
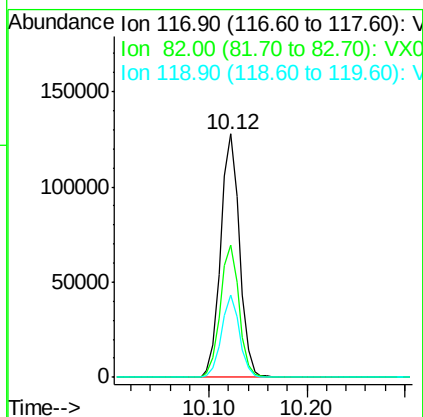
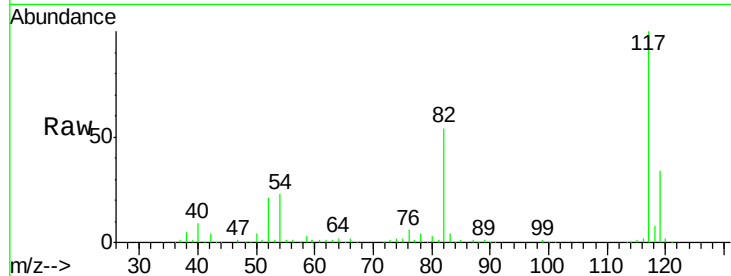




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000469.D
Acq: 27 Mar 2018 19:54

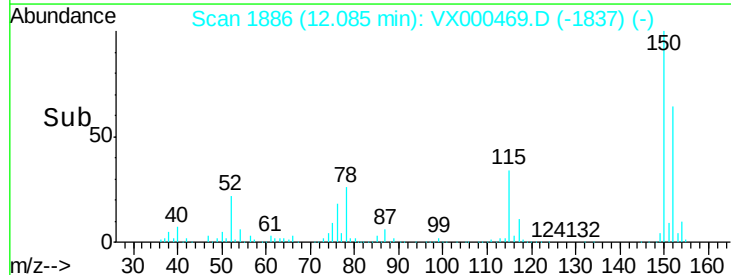
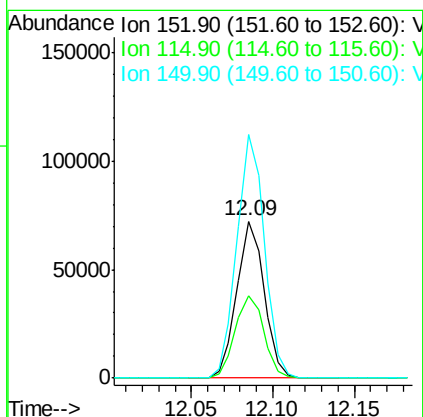
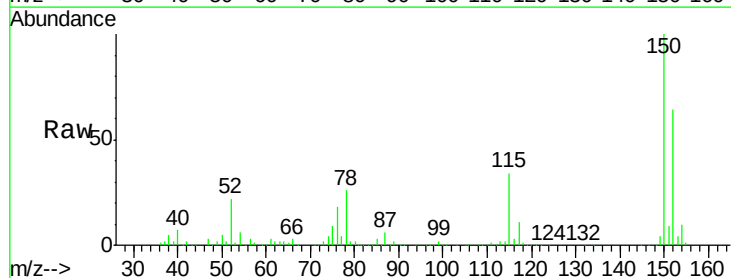
Instrument :
MSVOA_X
ClientSampled :
RO-CV-2043

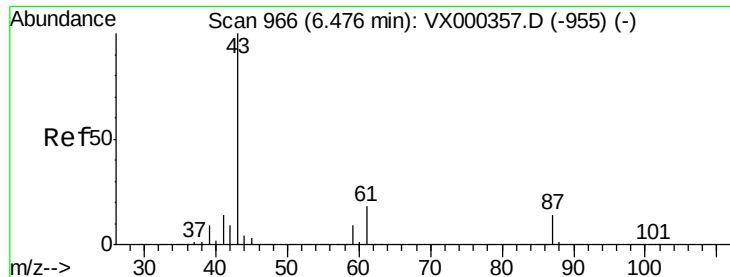
Tgt Ion:117 Resp: 171069
Ion Ratio Lower Upper
117 100
82 54.3 43.8 65.8
119 33.8 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000469.D
Acq: 27 Mar 2018 19:54

Tgt Ion:152 Resp: 85001
Ion Ratio Lower Upper
152 100
115 54.6 39.8 119.3
150 156.1 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

Instrument :

MSVOA_X

ClientSampleId :

RO-CV-2043

Tgt Ion: 43 Resp: 888

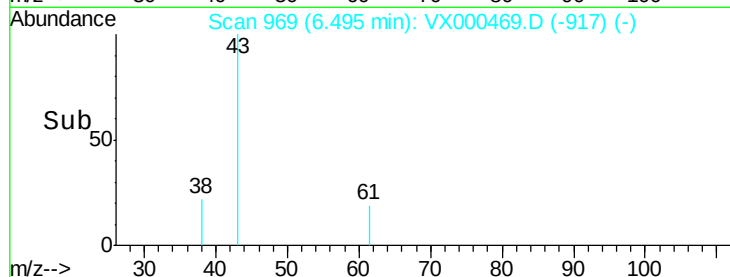
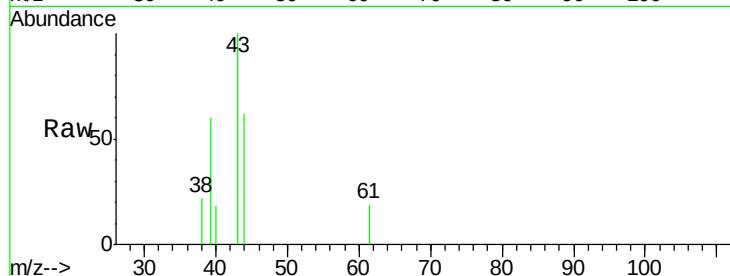
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 2.5 0.0 0.0#

61 2.6 14.4 21.6#

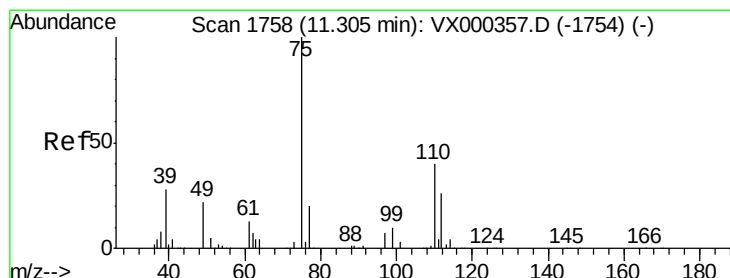
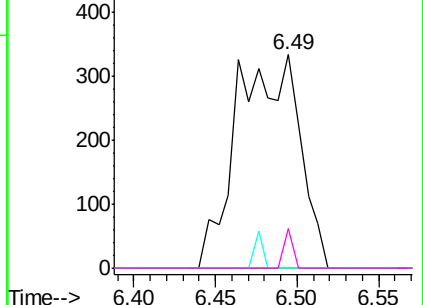


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.42 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000469.D

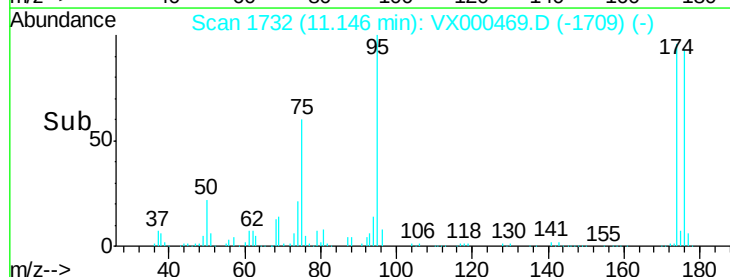
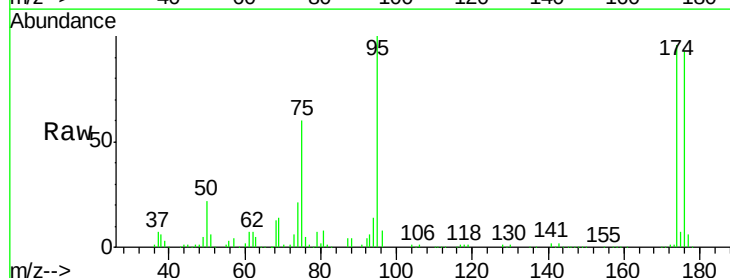
Acq: 27 Mar 2018 19:54

Tgt Ion: 75 Resp: 42775

Ion Ratio Lower Upper

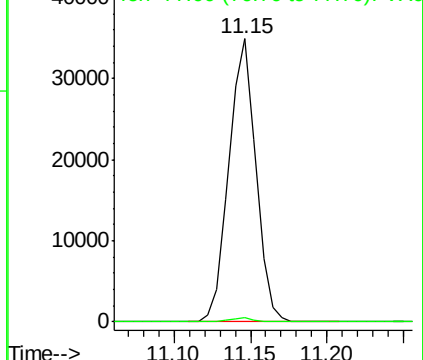
75 100

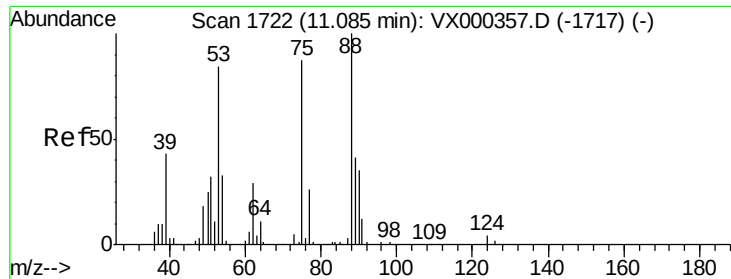
77 1.3 21.4 64.2#



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: 75.81 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

Instrument :

MSVOA_X

ClientSampleId :

RO-CV-2043

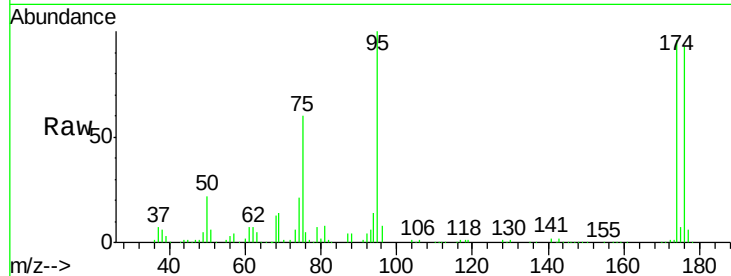
Tgt Ion: 75 Resp: 42775

Ion Ratio Lower Upper

75 100

53 0.1 80.7 121.1#

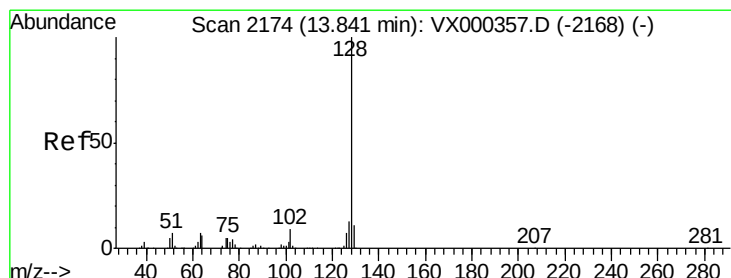
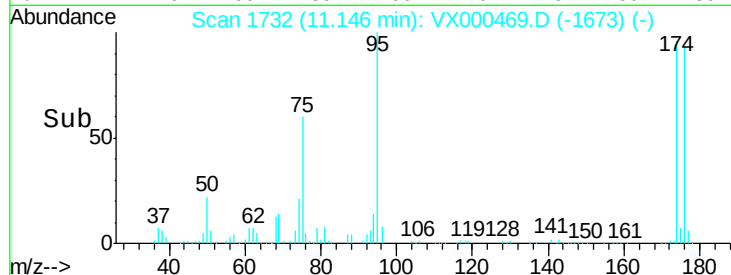
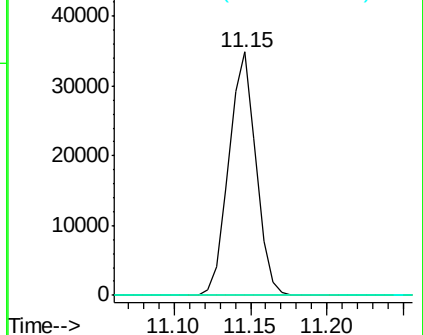
89 0.0 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX000469.D (-1673) (-)

Ion 53.00 (52.70 to 53.70): VX000469.D (-1673) (-)

Ion 88.90 (88.60 to 89.60): VX000469.D (-1673) (-)



#95

Naphthalene

Concen: 2.91 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000469.D

Acq: 27 Mar 2018 19:54

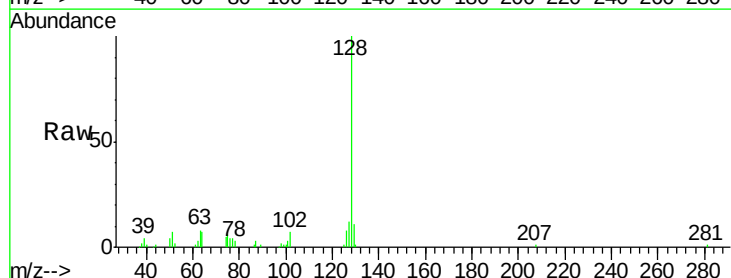
Tgt Ion: 128 Resp: 20218

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX000469.D (-2125) (-)

Ion 127.00 (126.70 to 127.70): VX000469.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VX000469.D (-2125) (-)

