

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032118\
 Data File : VX000393.D
 Acq On : 21 Mar 2018 18:35
 Operator : JC/MD
 Sample : J1756-10 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-032018-B

Quant Time: Mar 22 05:31:00 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	94589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	163264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	154248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	68722	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	67060	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	5.52	113	52488	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	8.73	98	206579	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.15	95	64271	37.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.94%	

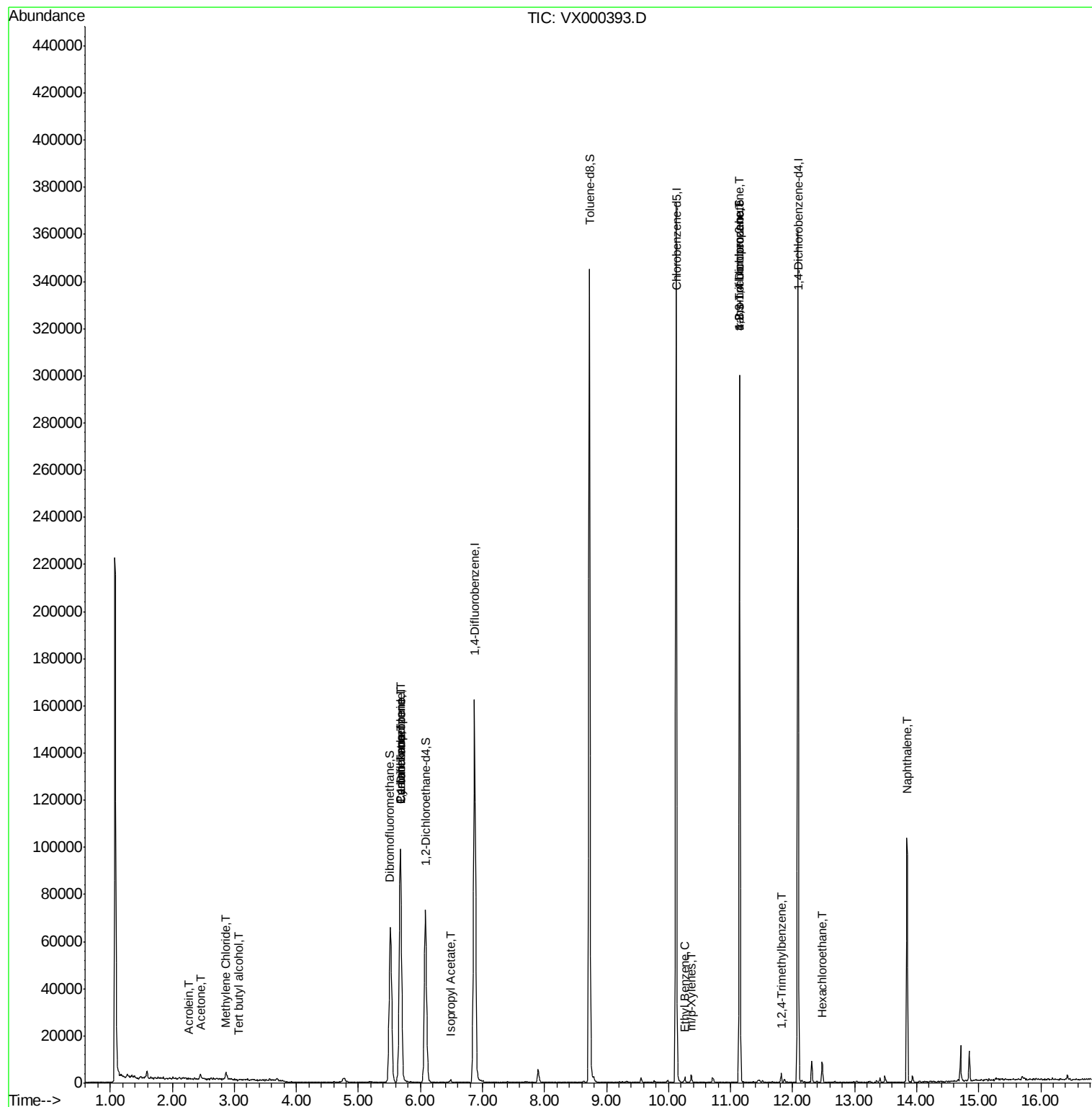
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	368	Below Cal	#	44
11) Tert butyl alcohol	3.06	59	109	0.26	ug/l	28
13) Acrolein	2.28	56	45	14.89	ug/l	13
14) Allyl chloride	2.75	41	118	Below Cal	#	76
16) Acetone	2.45	43	2314	2.25	ug/l	74
20) Methylene Chloride	2.87	84	1282	1.08	ug/l	81
31) Cyclohexane	5.68	56	2290	1.47	ug/l	15
36) 1,1-Dichloropropene	5.68	75	7324	4.79	ug/l	50
38) Carbon Tetrachloride	5.67	117	9287	5.79	ug/l	15
43) Isopropyl Acetate	6.48	43	641	0.21	ug/l	84
67) Ethyl Benzene	10.26	91	1559	0.27	ug/l	87
68) m/p-Xylenes	10.36	106	826	0.36	ug/l	98
74) N-amyl acetate	6.48	43	641	Below Cal	#	84
76) 1,2,3-Trichloropropane	11.15	75	37558	25.43	ug/l	35
81) trans-1,4-Dichloro-2-buten	11.15	75	37558	82.33	ug/l	9
84) 1,2,4-Trimethylbenzene	11.82	105	1537	0.38	ug/l	89
90) Hexachloroethane	12.47	117	341	0.51	ug/l	12
95) Naphthalene	13.84	128	60471	10.77	ug/l	99

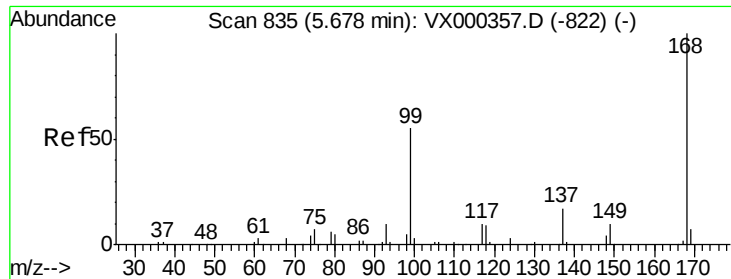
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000393.D

Acq: 21 Mar 2018 18:35

Instrument :

MSVOA_X

ClientSampleId :

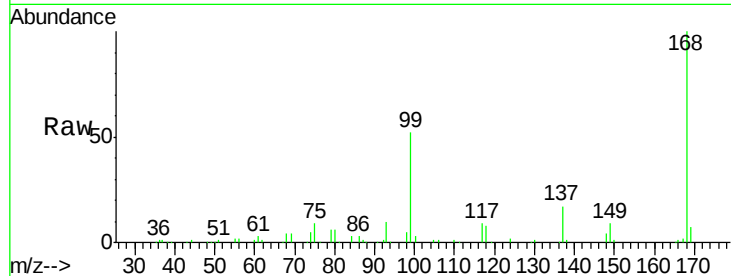
OR-03-032018-B

Tgt Ion:168 Resp: 94589

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

5.68

30000

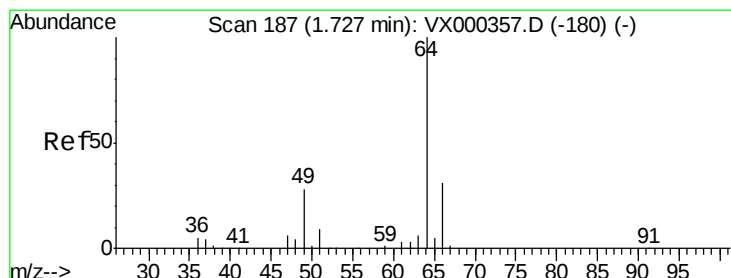
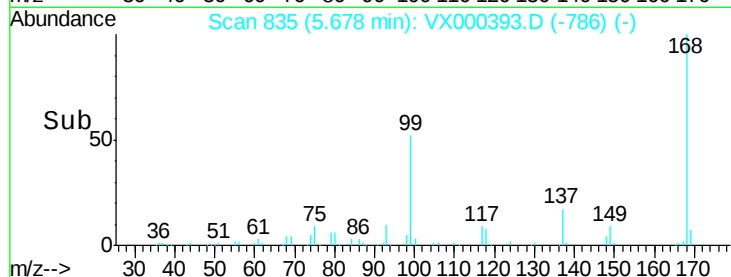
20000

10000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000393.D

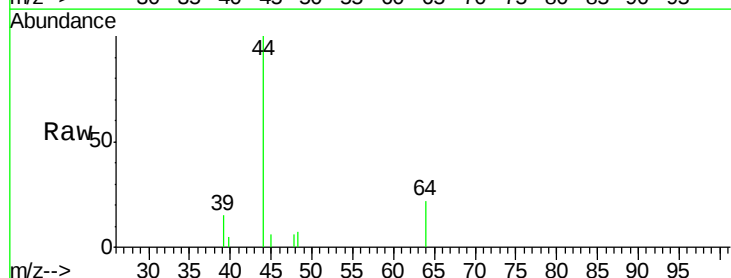
Acq: 21 Mar 2018 18:35

Tgt Ion: 64 Resp: 368

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

300

250

200

150

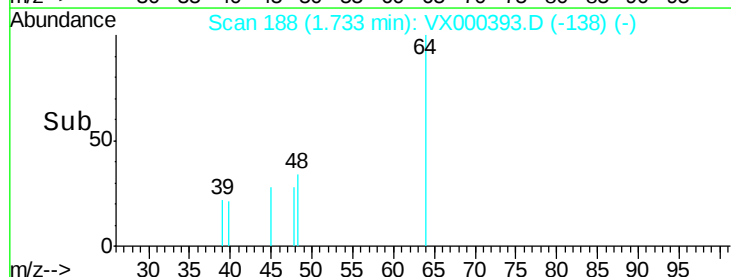
100

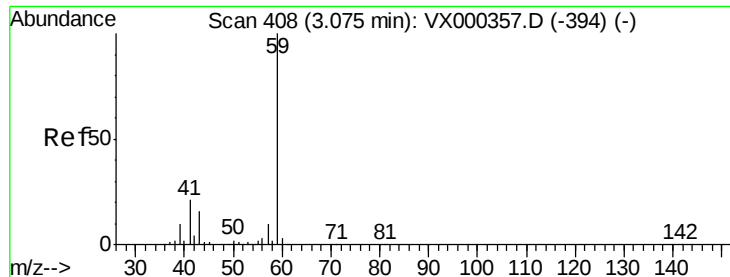
50

0

Time-->

1.70 1.72 1.74 1.76

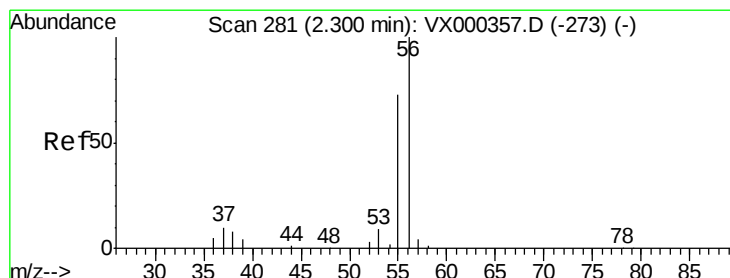
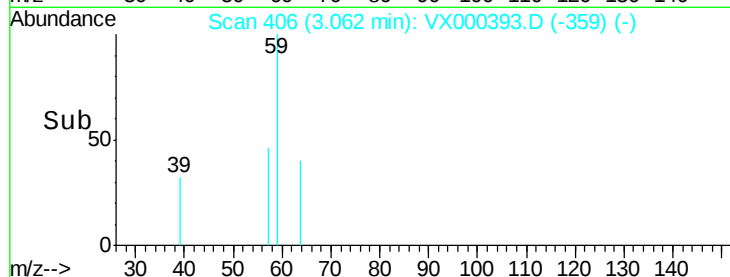
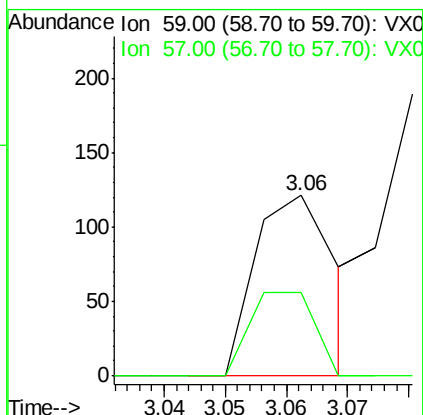
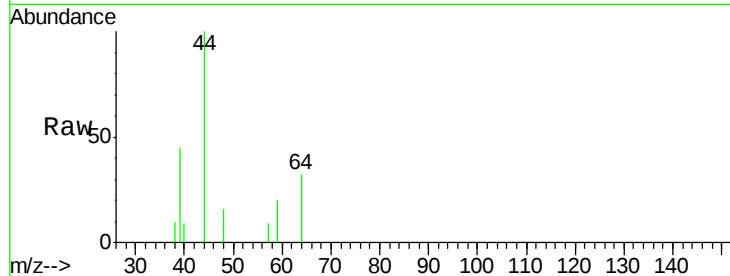




#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX000393.D
Acq: 21 Mar 2018 18:35

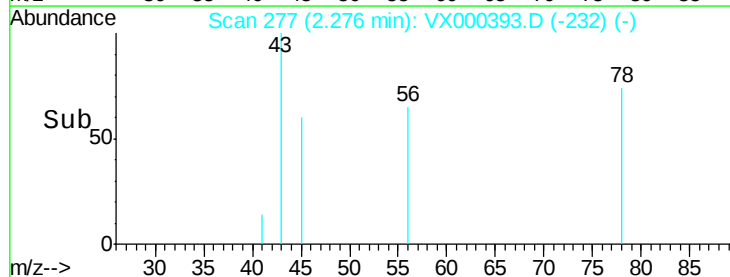
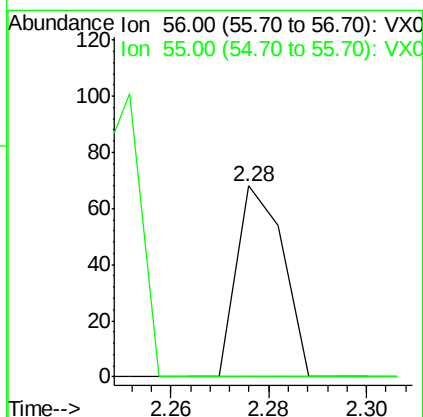
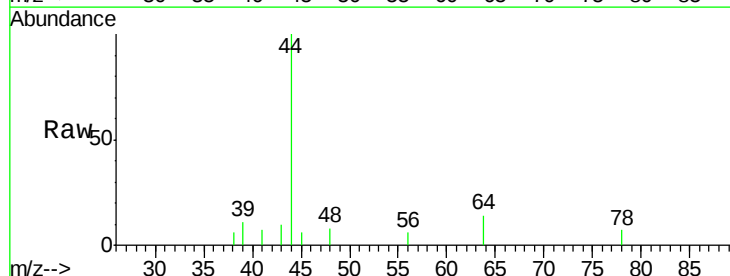
Instrument :
MSVOA_X
ClientSampleId :
OR-03-032018-B

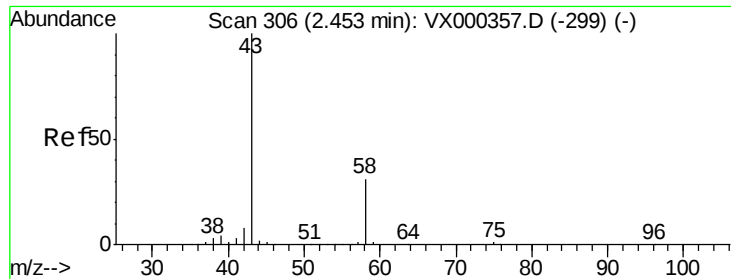
Tgt Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 37.6 8.4 12.6#



#13
Acrolein
Concen: 14.89 ug/l
RT: 2.28 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX000393.D
Acq: 21 Mar 2018 18:35

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#





#16

Acetone

Concen: 2.25 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000393.D

Acq: 21 Mar 2018 18:35

Instrument :

MSVOA_X

ClientSampleId :

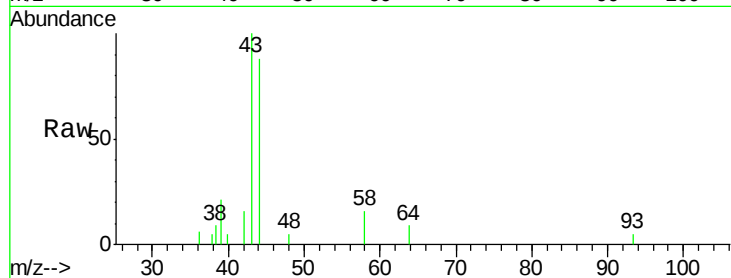
OR-03-032018-B

Tgt Ion: 43 Resp: 2314

Ion Ratio Lower Upper

43 100

58 16.4 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

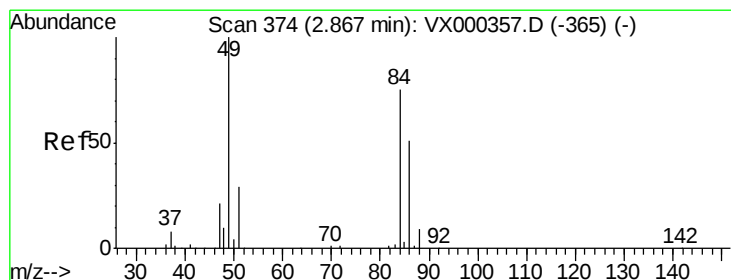
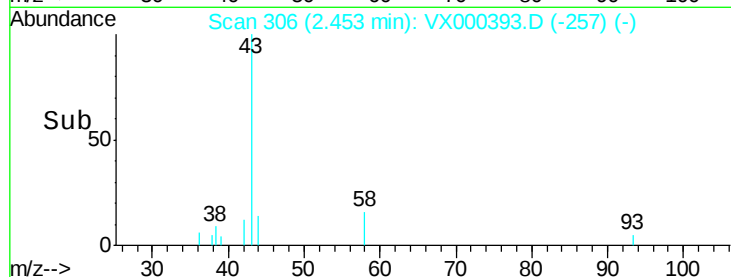
1000

500

0

2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 1.08 ug/l

RT: 2.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VX000393.D

Acq: 21 Mar 2018 18:35

Tgt Ion: 84 Resp: 1282

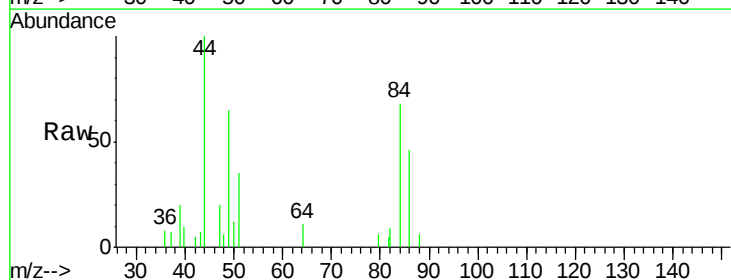
Ion Ratio Lower Upper

84 100

49 95.3 100.6 151.0#

51 51.9 31.6 47.4#

86 67.4 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

1200

1000

800

600

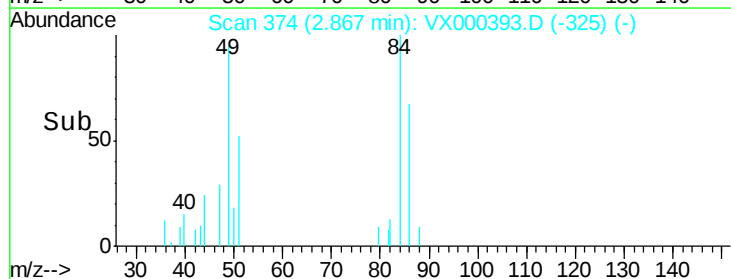
400

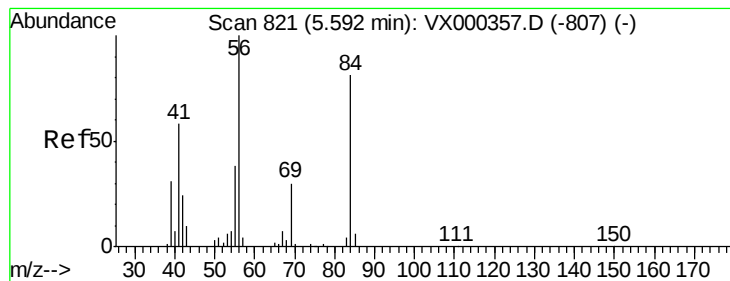
200

0

2.80 2.85 2.90

Time-->





#31

Cyclohexane

Concen: 1.47 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000393.D

Acq: 21 Mar 2018 18:35

Instrument :

MSVOA_X

ClientSampleId :

OR-03-032018-B

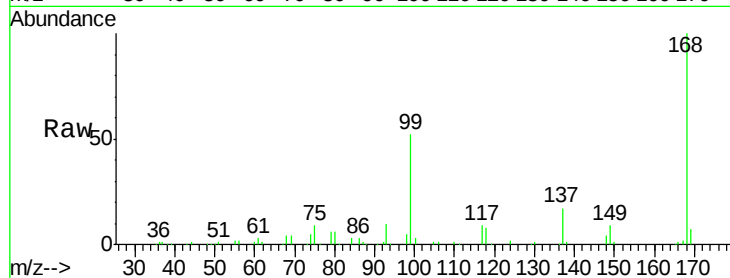
Tgt Ion: 56 Resp: 2290

Ion Ratio Lower Upper

56 100

69 152.2 23.4 35.0#

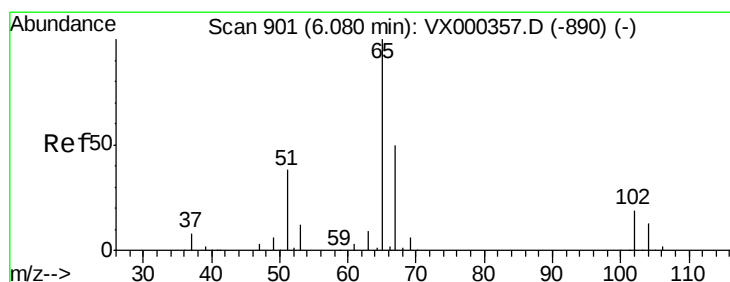
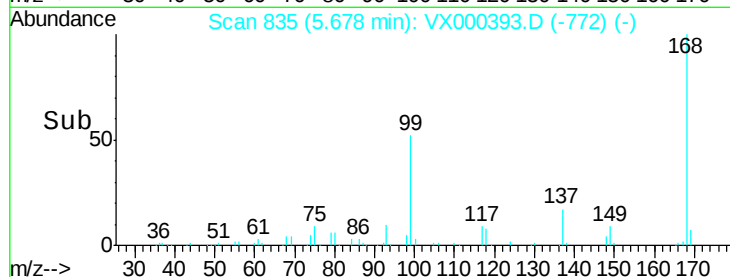
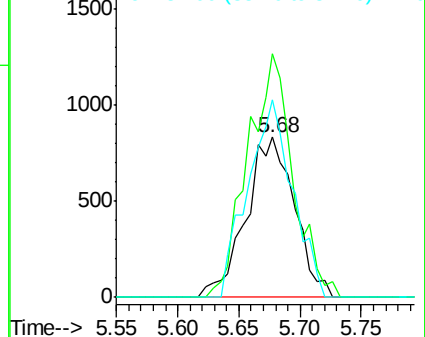
84 123.8 71.0 106.4#



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: 54.31 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000393.D

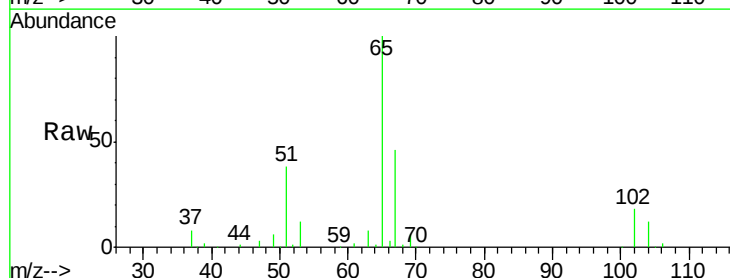
Acq: 21 Mar 2018 18:35

Tgt Ion: 65 Resp: 67060

Ion Ratio Lower Upper

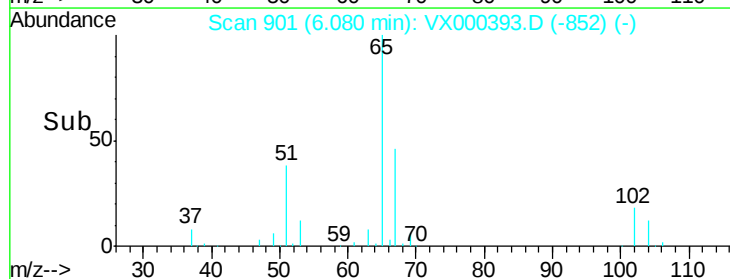
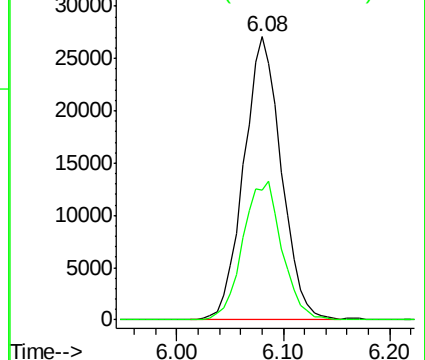
65 100

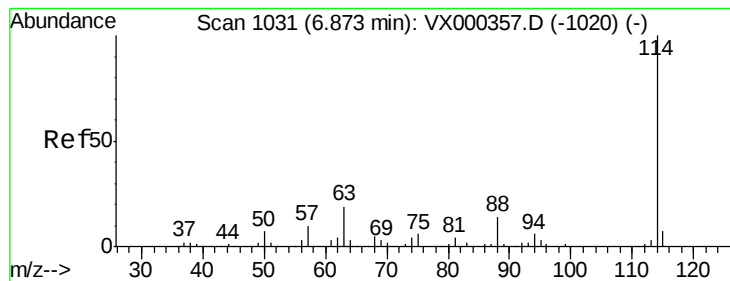
67 50.8 0.0 103.2



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: VX000393.D

Acq: 21 Mar 2018 18:35

Instrument :

MSVOA_X

ClientSampleId :

OR-03-032018-B

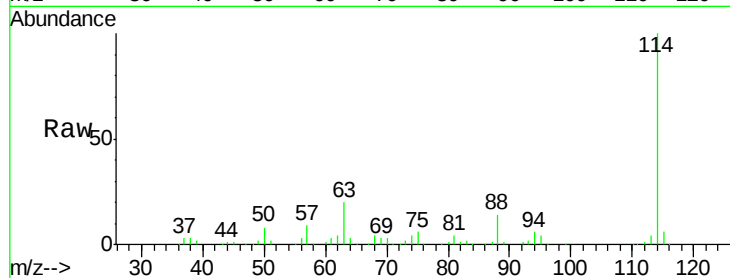
Tgt Ion:114 Resp: 163264

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

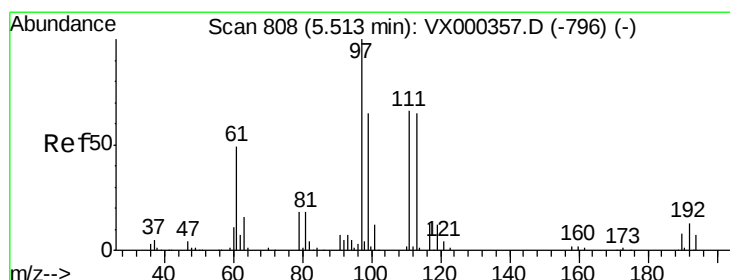
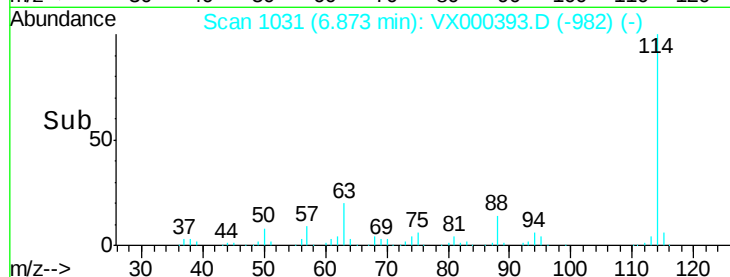
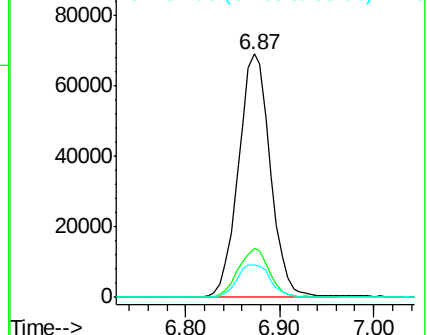
88 13.6 0.0 27.0



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: 51.02 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000393.D

Acq: 21 Mar 2018 18:35

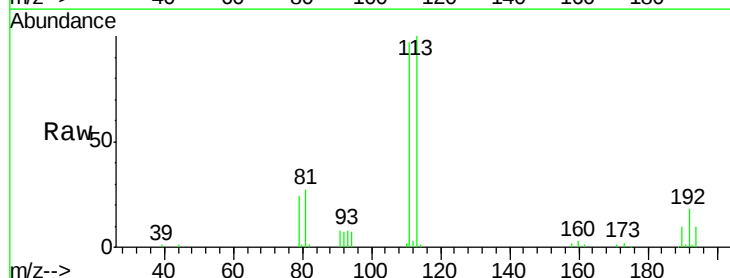
Tgt Ion:113 Resp: 52488

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

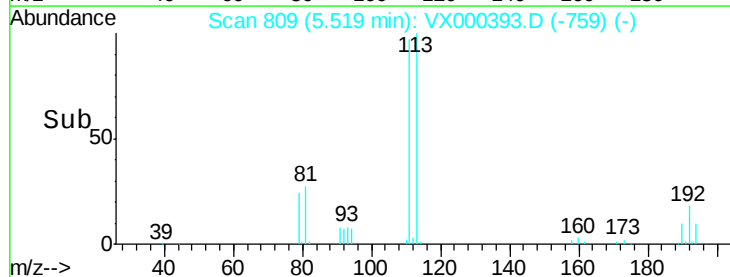
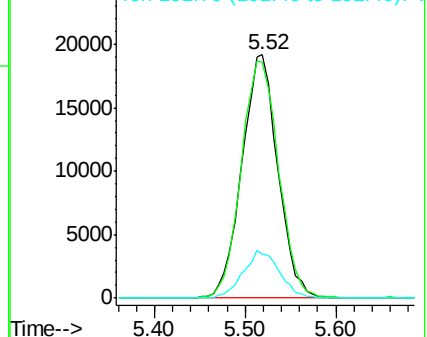
192 19.9 15.8 23.6

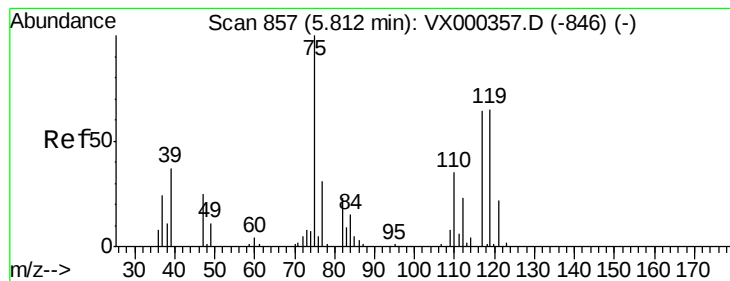


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.79 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000393.D

Acq: 21 Mar 2018 18:35

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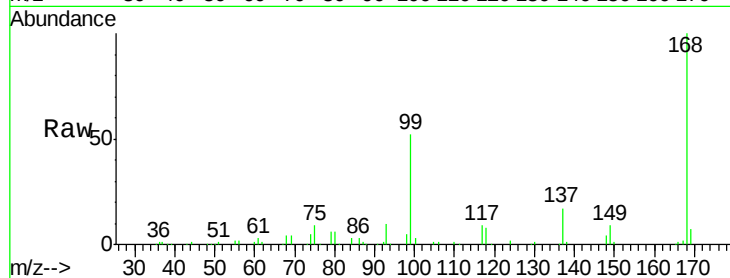
Tgt Ion: 75 Resp: 7324

Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.7#

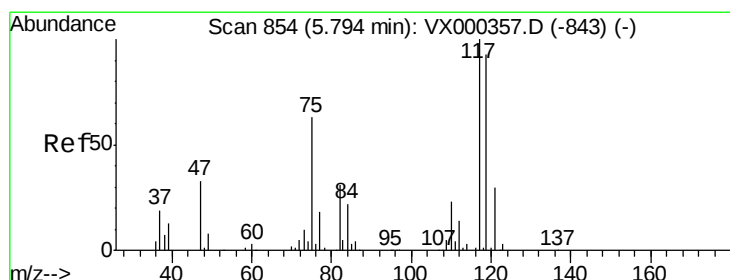
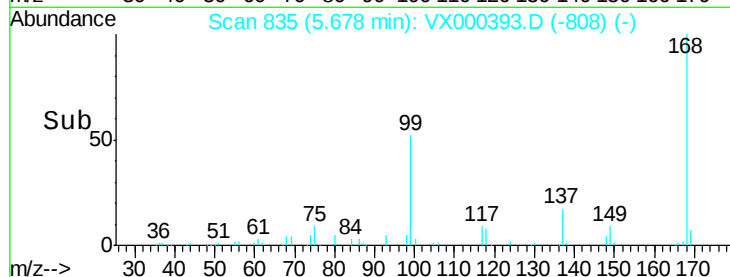
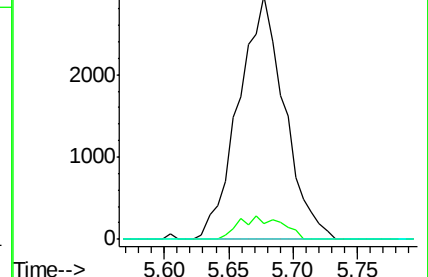
77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VX000357.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX000357.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX000357.D (-846) (-)



#38

Carbon Tetrachloride

Concen: 5.79 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000393.D

Acq: 21 Mar 2018 18:35

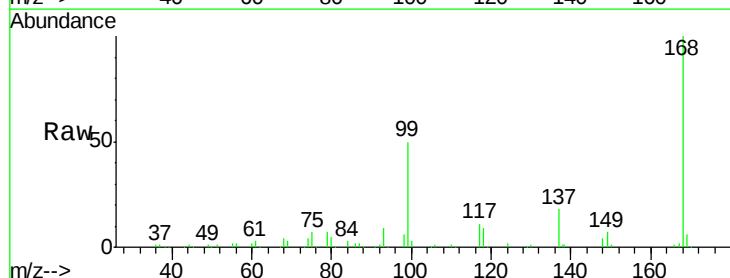
Tgt Ion: 117 Resp: 9287

Ion Ratio Lower Upper

117 100

119 3.9 77.4 116.2#

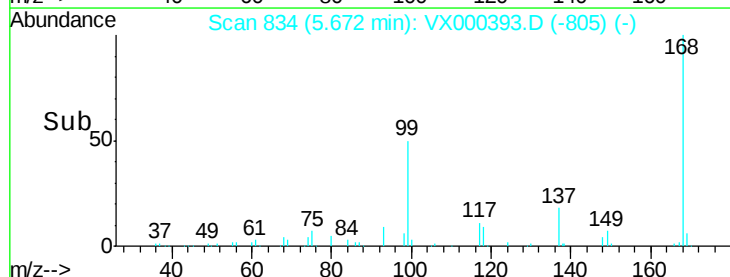
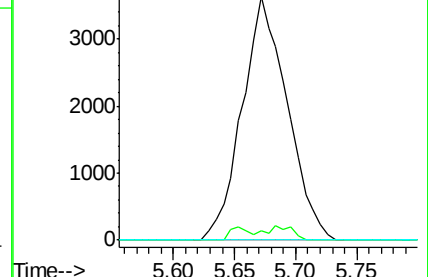
121 0.0 24.8 37.2#

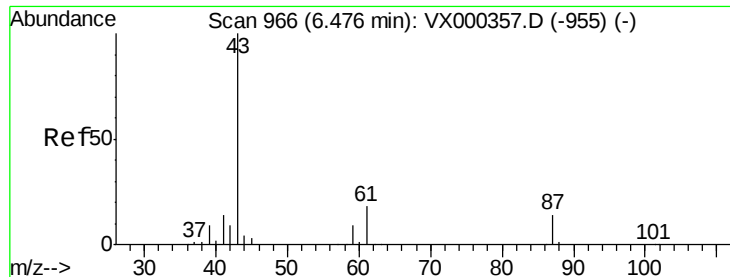


Abundance Ion 116.80 (116.50 to 117.50): VX000357.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000357.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000357.D (-843) (-)





#43

Isopropyl Acetate

Concen: 0.21 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000393.D

Acq: 21 Mar 2018 18:35

Instrument :

MSVOA_X

ClientSampleId :

OR-03-032018-B

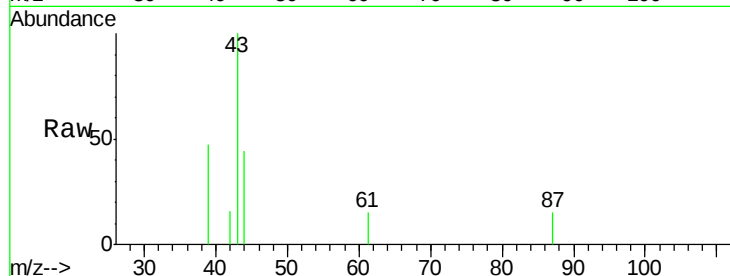
Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

61 11.1 14.4 21.6#

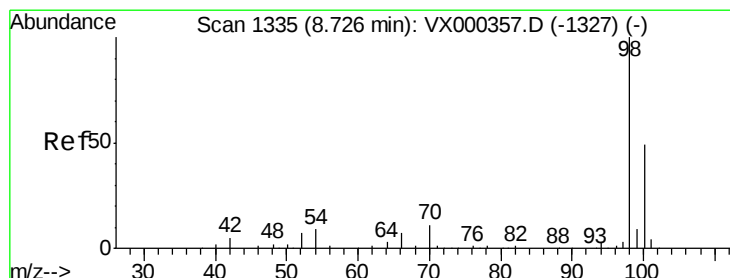
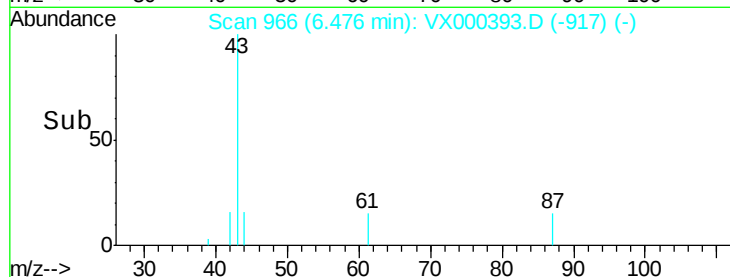
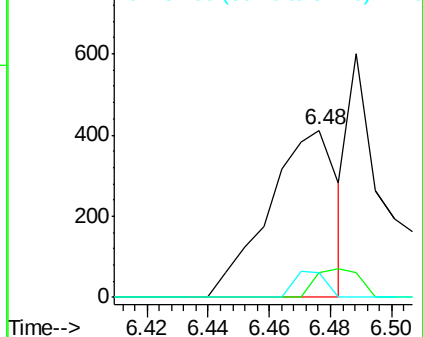
87 7.2 11.0 16.4#



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: 48.49 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000393.D

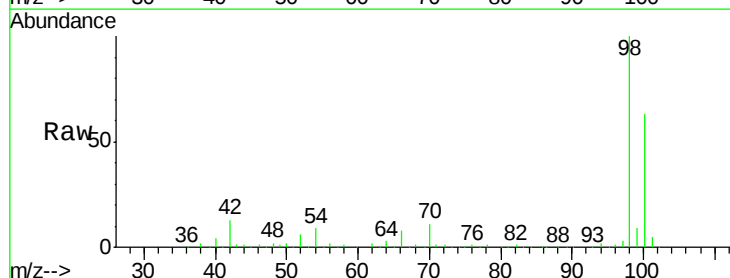
Acq: 21 Mar 2018 18:35

Tgt Ion: 98 Resp: 206579

Ion Ratio Lower Upper

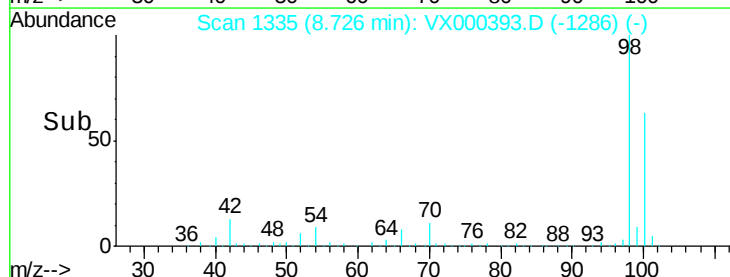
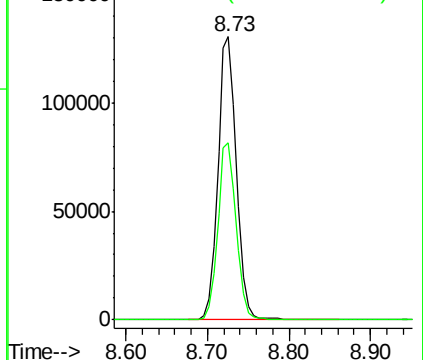
98 100

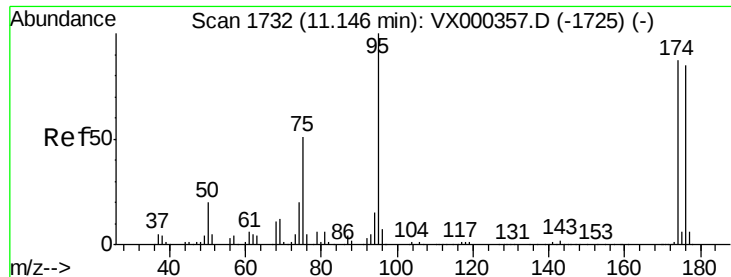
100 62.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

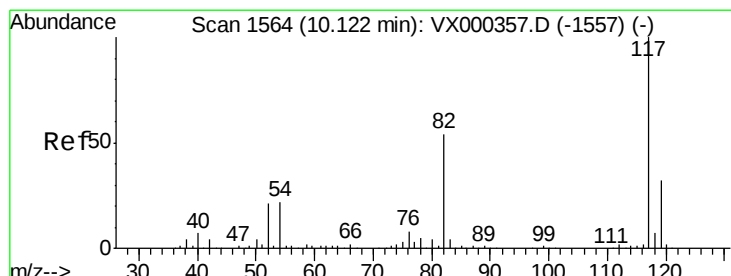
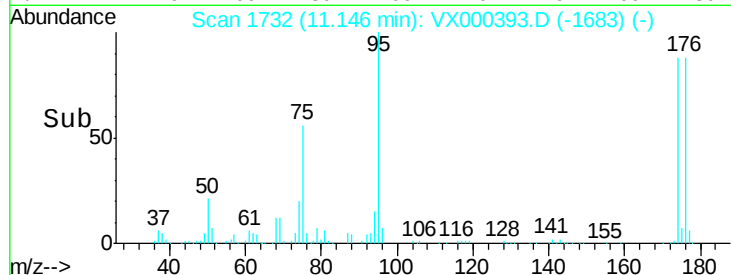
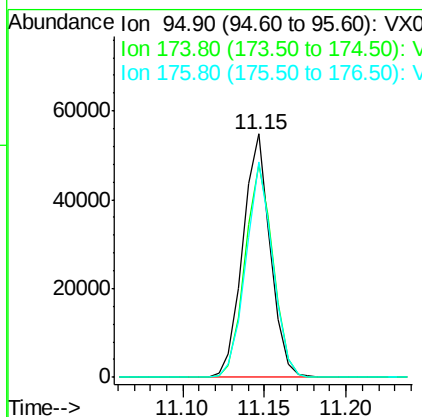
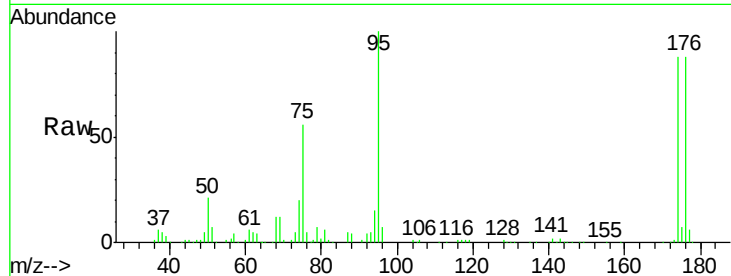




#62
4-Bromofluorobenzene
Concen: 37.47 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000393.D
Acq: 21 Mar 2018 18:35

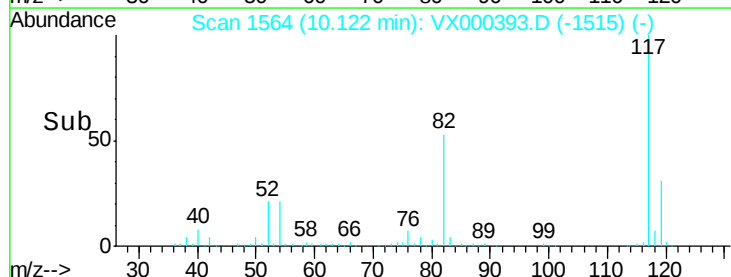
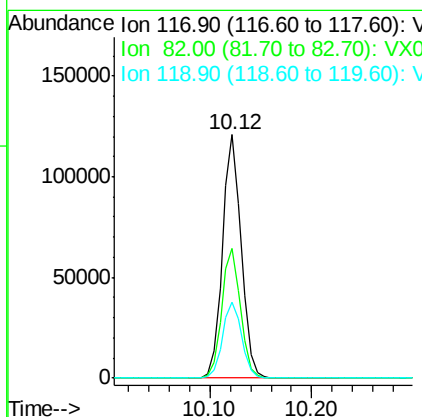
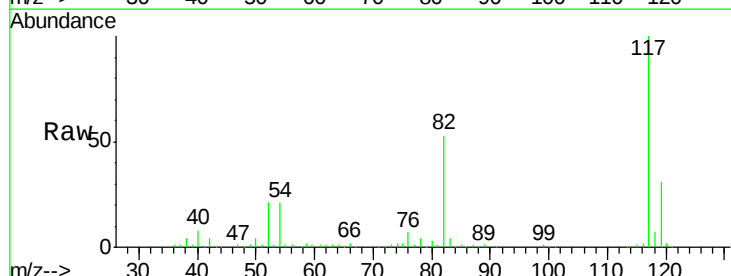
Instrument :
MSVOA_X
ClientSampleId :
OR-03-032018-B

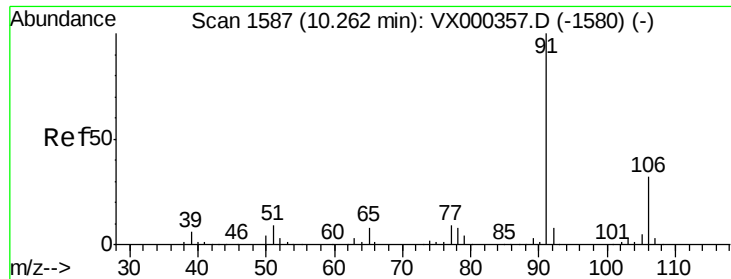
Tgt Ion: 95 Resp: 64271
Ion Ratio Lower Upper
95 100
174 89.6 0.0 173.6
176 86.8 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000393.D
Acq: 21 Mar 2018 18:35

Tgt Ion: 117 Resp: 154248
Ion Ratio Lower Upper
117 100
82 53.1 43.8 65.8
119 31.3 24.9 37.3

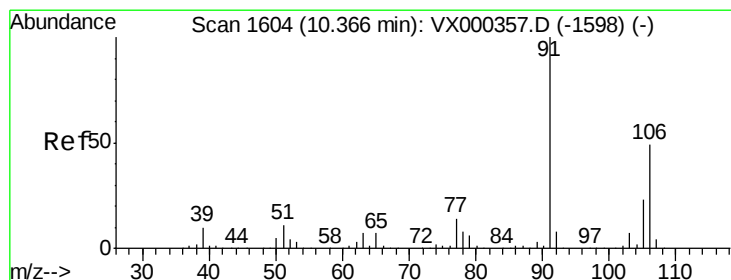
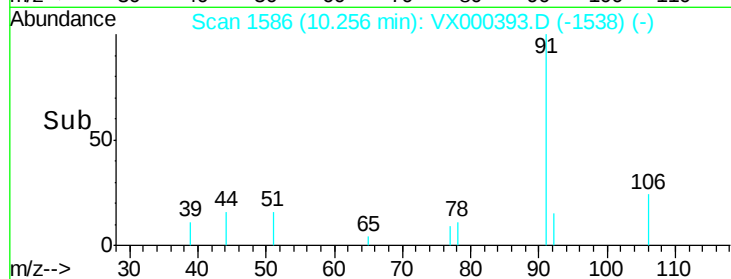
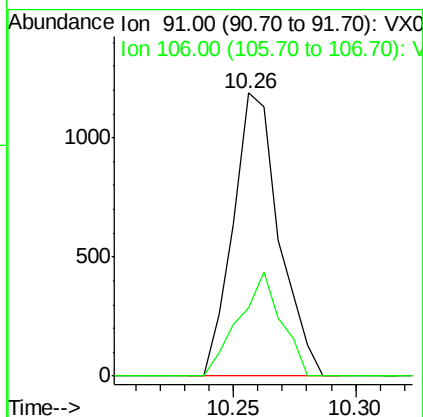
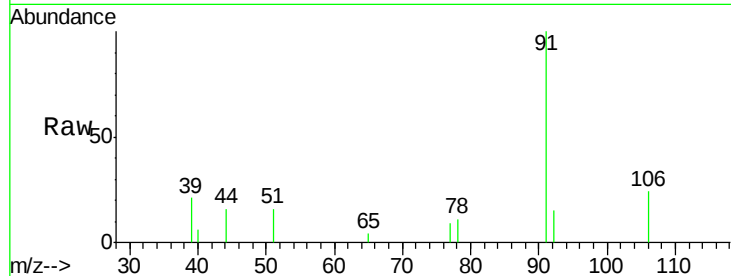




#67
Ethyl Benzene
Concen: 0.27 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000393.D
Acq: 21 Mar 2018 18:35

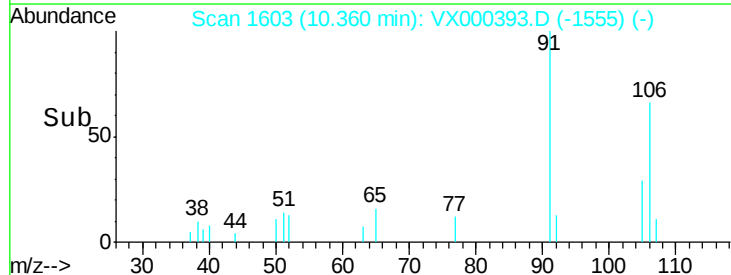
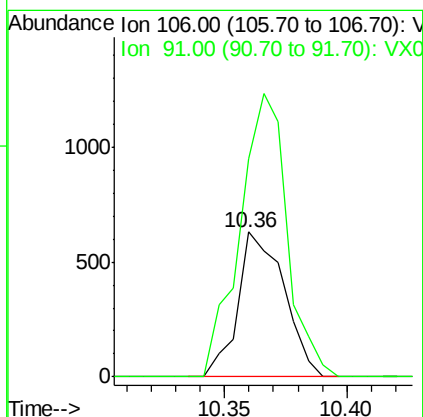
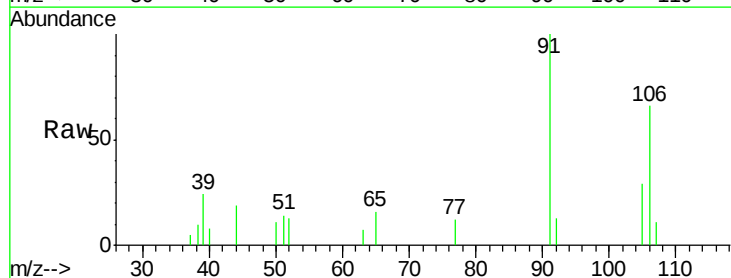
Instrument :
MSVOA_X
ClientSampleId :
OR-03-032018-B

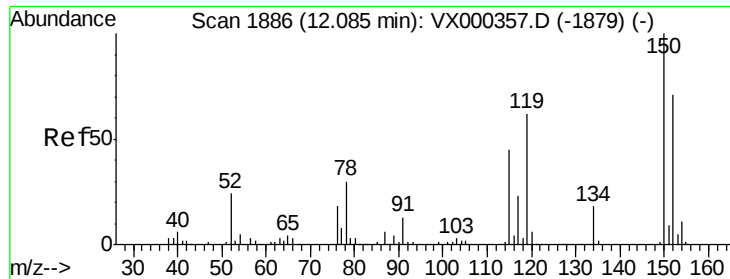
Tgt Ion: 91 Resp: 1559
Ion Ratio Lower Upper
91 100
106 24.0 25.0 37.6#



#68
m/p-Xylenes
Concen: 0.36 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX000393.D
Acq: 21 Mar 2018 18:35

Tgt Ion: 106 Resp: 826
Ion Ratio Lower Upper
106 100
91 200.7 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000393.D

Acq: 21 Mar 2018 18:35

Instrument :

MSVOA_X

ClientSampleId :

OR-03-032018-B

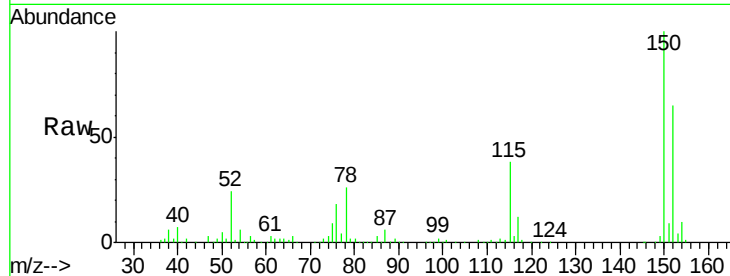
Tgt Ion:152 Resp: 68722

Ion Ratio Lower Upper

152 100

115 56.5 39.8 119.3

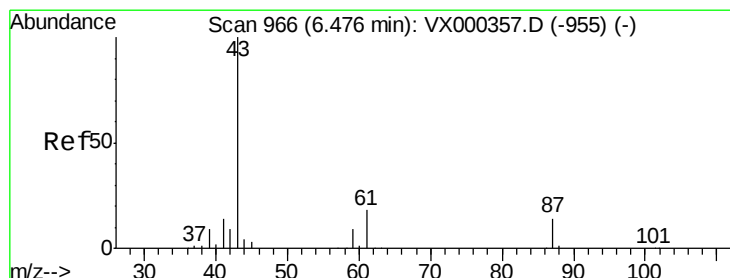
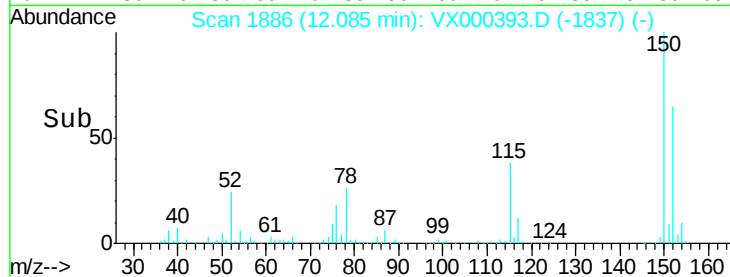
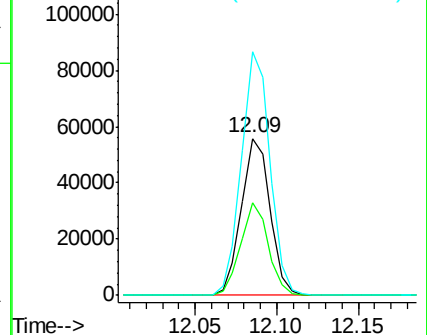
150 154.5 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000393.D

Acq: 21 Mar 2018 18:35

Tgt Ion: 43 Resp: 641

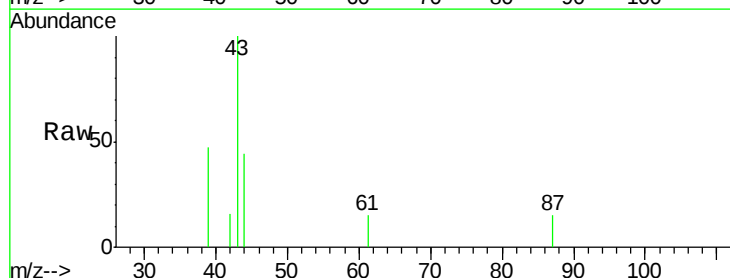
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 11.1 14.4 21.6#

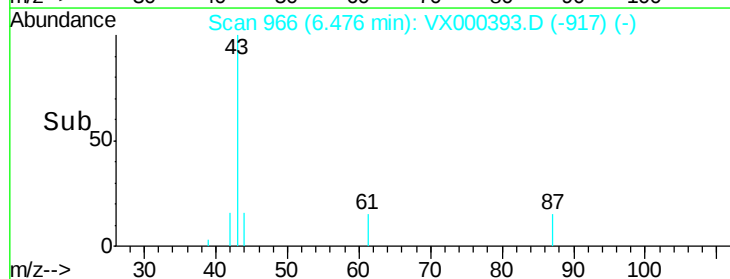
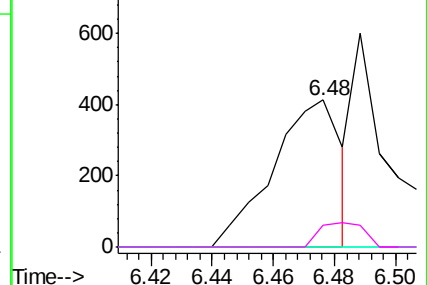


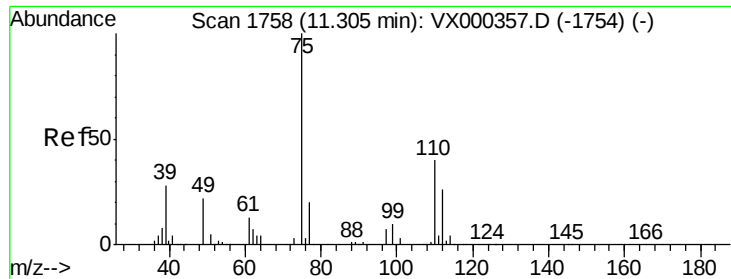
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

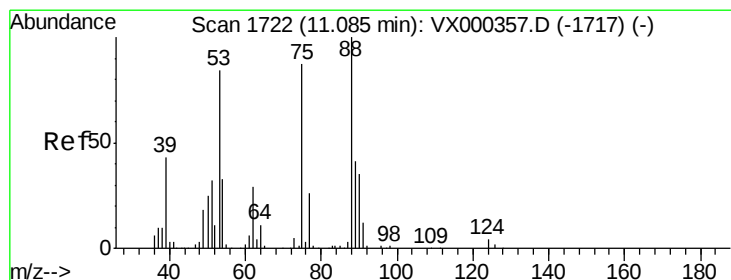
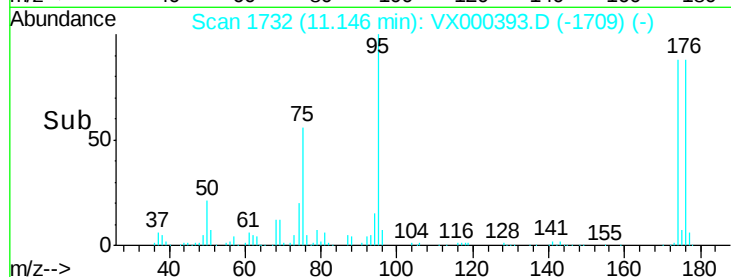
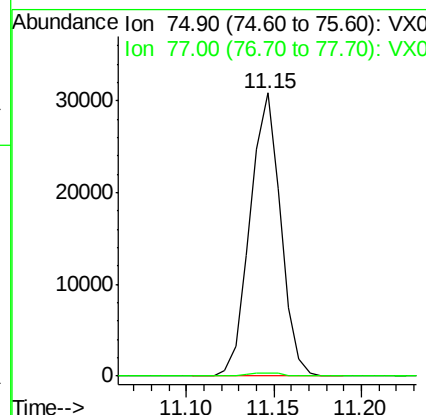
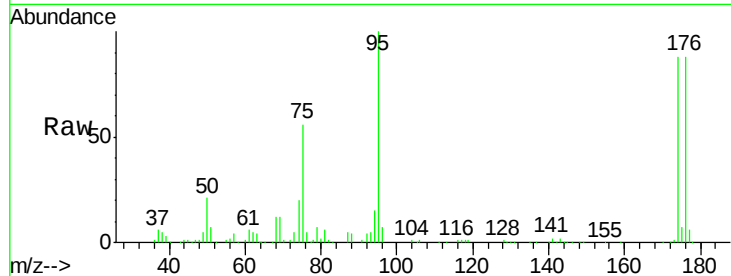




#76
 1,2,3-Trichloropropane
 Concen: 25.43 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000393.D
 Acq: 21 Mar 2018 18:35

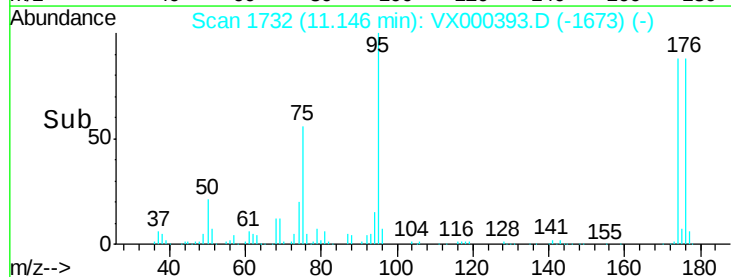
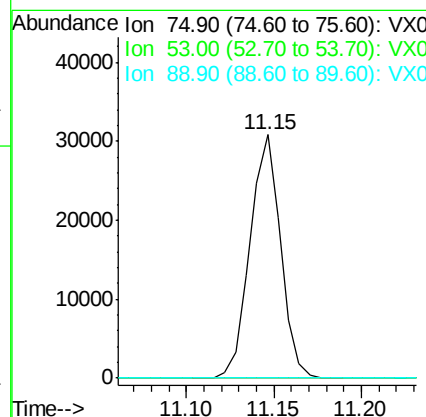
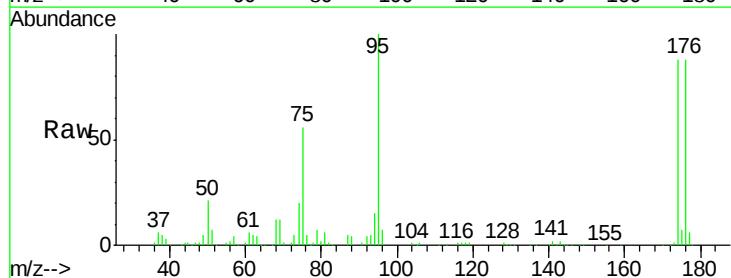
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-032018-B

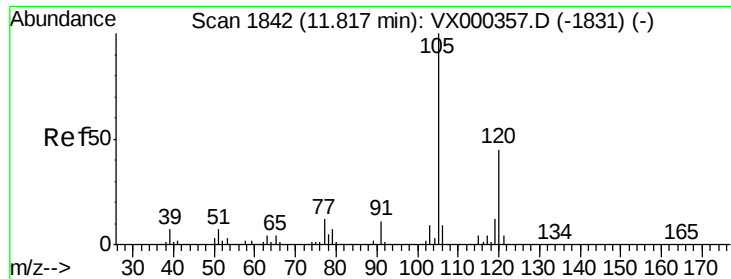
Tgt Ion: 75 Resp: 37558
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.33 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000393.D
 Acq: 21 Mar 2018 18:35

Tgt Ion: 75 Resp: 37558
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

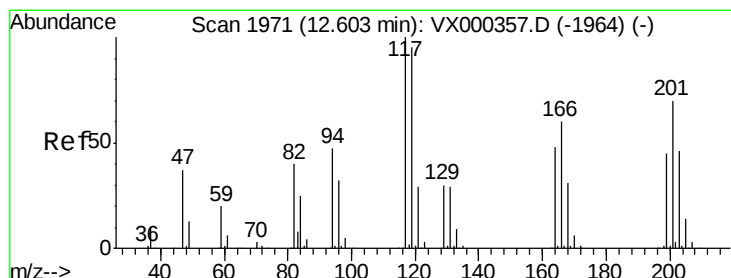
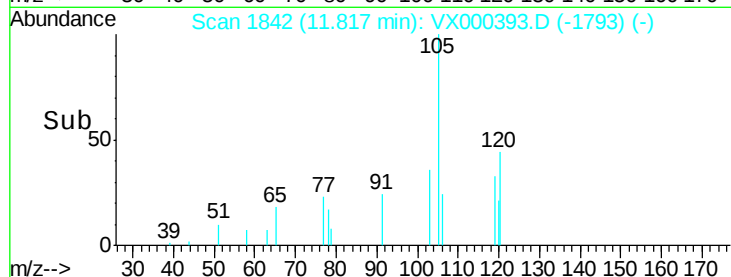
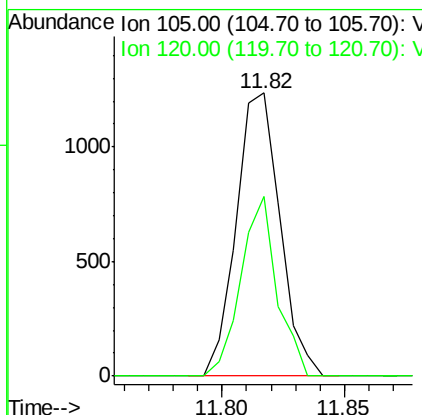
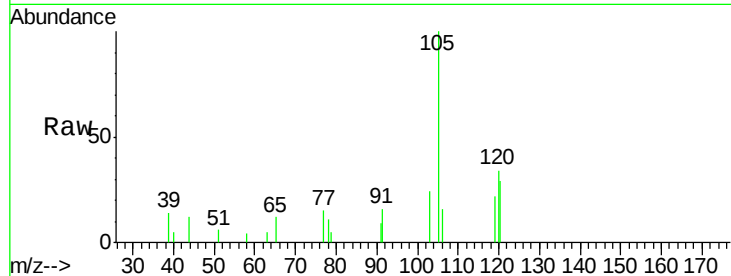




#84
 1,2,4-Trimethylbenzene
 Concen: 0.38 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000393.D
 Acq: 21 Mar 2018 18:35

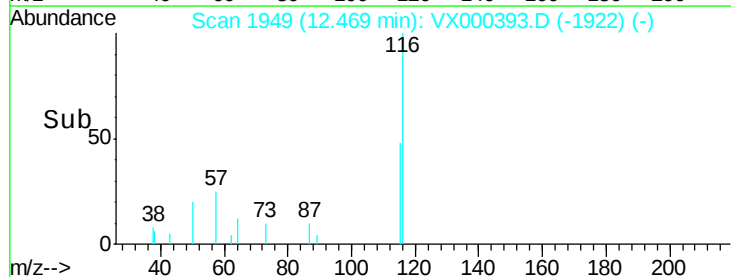
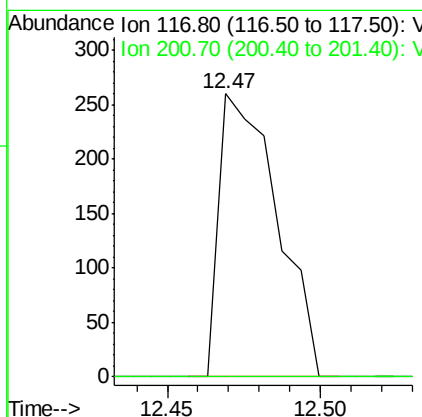
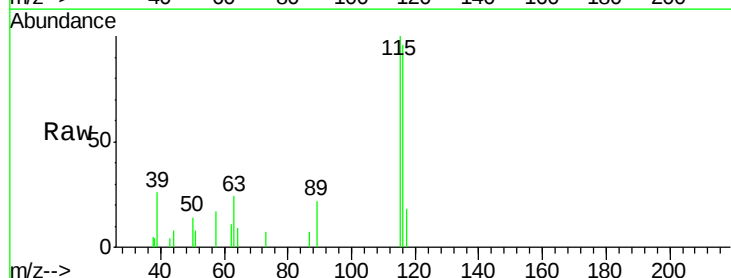
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-032018-B

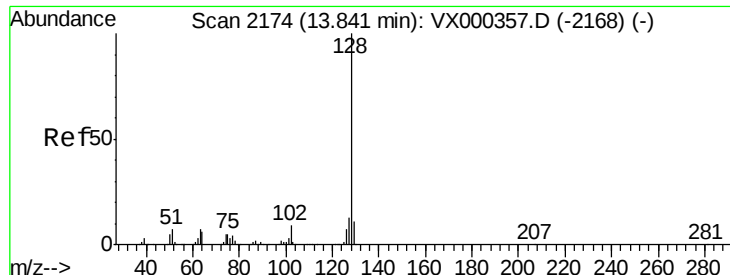
Tgt Ion:105 Resp: 1537
 Ion Ratio Lower Upper
 105 100
 120 52.2 22.4 67.3



#90
 Hexachloroethane
 Concen: 0.51 ug/l
 RT: 12.47 min Scan# 1949
 Delta R.T. -0.13 min
 Lab File: VX000393.D
 Acq: 21 Mar 2018 18:35

Tgt Ion:117 Resp: 341
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.9 113.6#





#95
Naphthalene
Concen: 10.77 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000393.D
Acq: 21 Mar 2018 18:35

Instrument :
MSVOA_X
ClientSampleId :
OR-03-032018-B

Tgt Ion:128 Resp: 60471
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 10.5 8.9 13.3

