

Data File : VX000410.D

Acq On : 22 Mar 2018 16:55

Operator : JC/MD

Sample : J2005-05

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FINEFF-031918

Quant Time: Mar 23 05:45:06 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	89378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	155896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	143922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	66558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.09	65	64009	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	5.51	113	49599	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	8.73	98	189137	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
62) 4-Bromofluorobenzene	11.15	95	61124	37.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.68%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	665	0.64	ug/l #	75
6) Chloroethane	1.69	64	708	Below	Cal #	44
10) Methyl Iodide	2.52	142	25	4.30	ug/l #	37
11) Tert butyl alcohol	3.07	59	462	1.15	ug/l #	72
13) Acrolein	2.10	56	30	14.80	ug/l	92
16) Acetone	2.45	43	4182	4.31	ug/l	94
18) Methyl Acetate	2.79	43	597	0.29	ug/l #	67
25) 2-Butanone	4.72	43	1576	1.44	ug/l #	80
29) Tetrahydrofuran	5.18	42	7653	11.40	ug/l	97
31) Cyclohexane	5.67	56	2240	1.52	ug/l #	59
36) 1,1-Dichloropropene	5.67	75	6658	4.56	ug/l #	52
38) Carbon Tetrachloride	5.67	117	8823	5.76	ug/l #	15
41) Methacrylonitrile	5.18	41	4900	4.66	ug/l #	47
51) 4-Methyl-2-Pentanone	8.72	43	1044	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	11.15	75	35245	24.64	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	35245	79.77	ug/l #	9

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

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FINEFF-031918

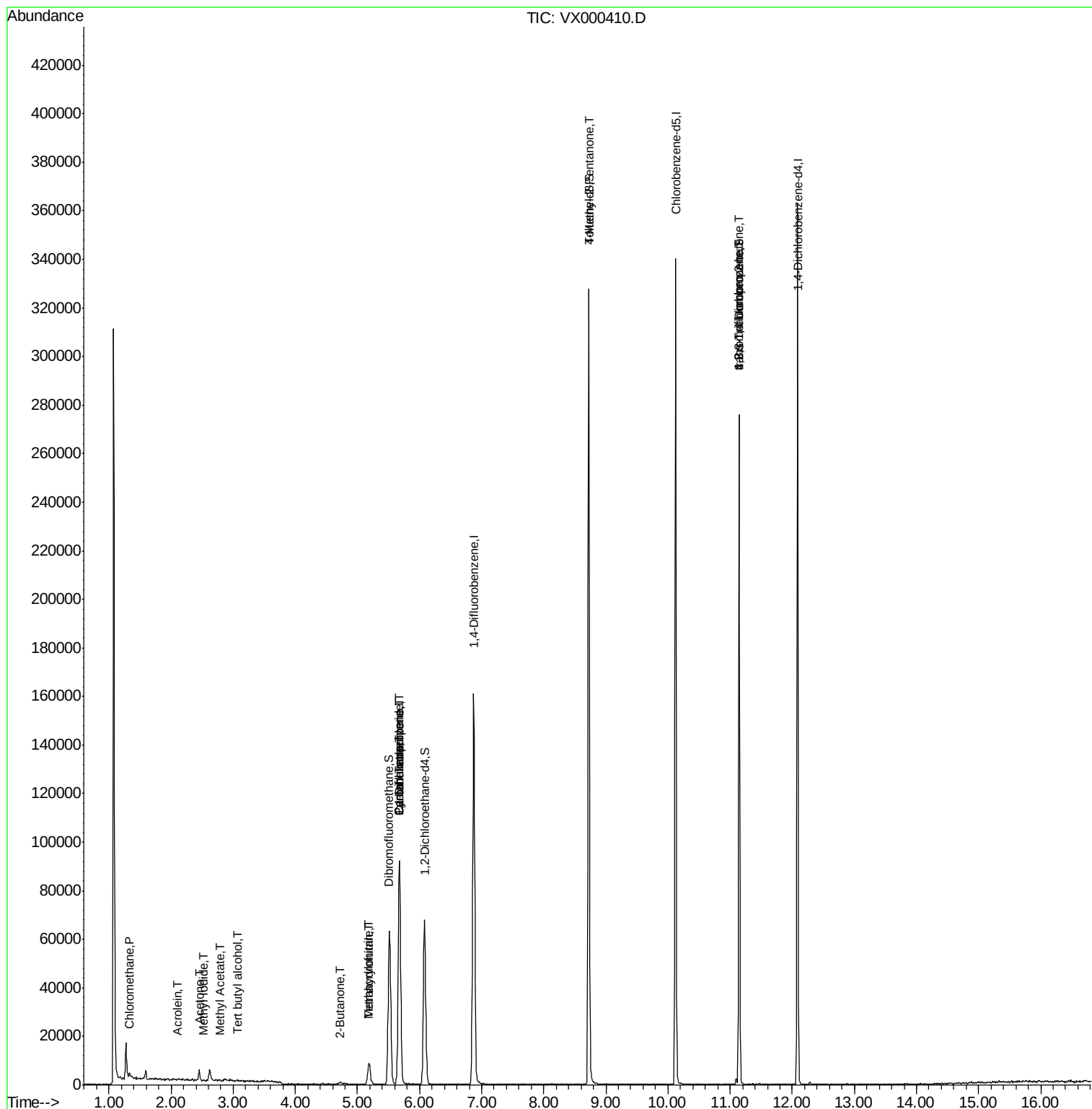
Quant Time: Mar 23 05:45:06 2018

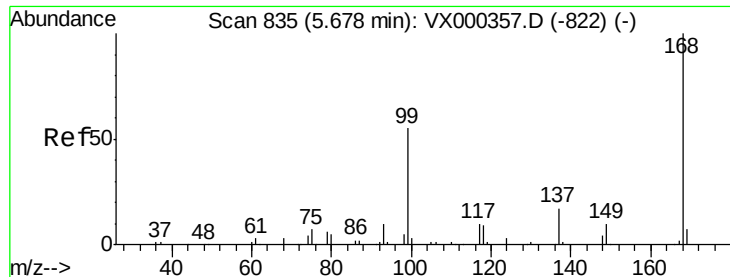
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

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: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000410.D

Acq: 22 Mar 2018 16:55

Instrument :

MSVOA_X

ClientSampleId :

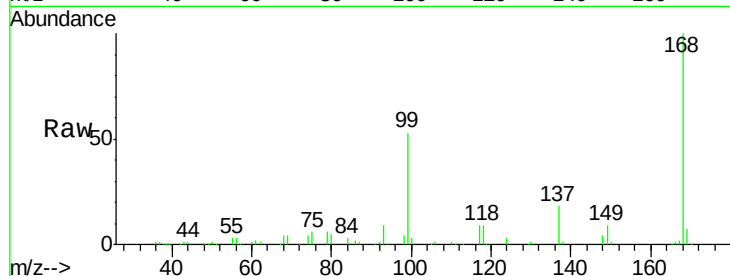
FINEFF-031918

Tgt Ion:168 Resp: 89378

Ion Ratio Lower Upper

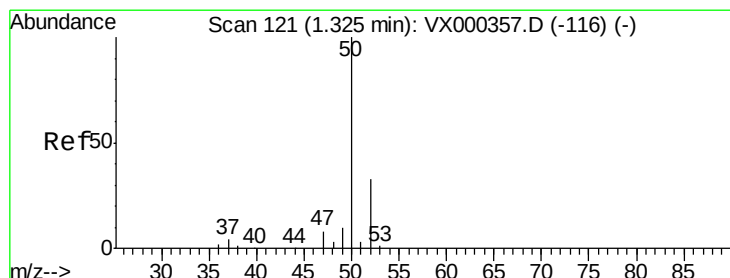
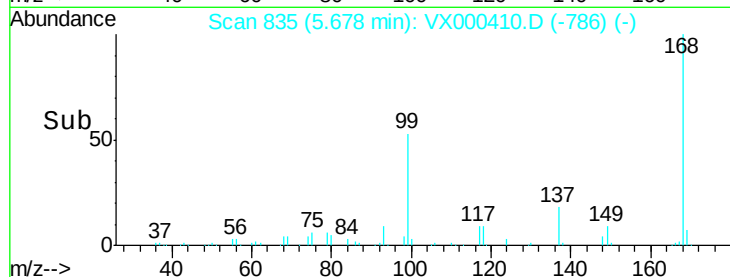
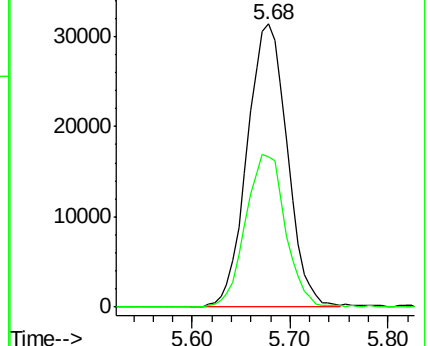
168 100

99 53.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.64 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX000410.D

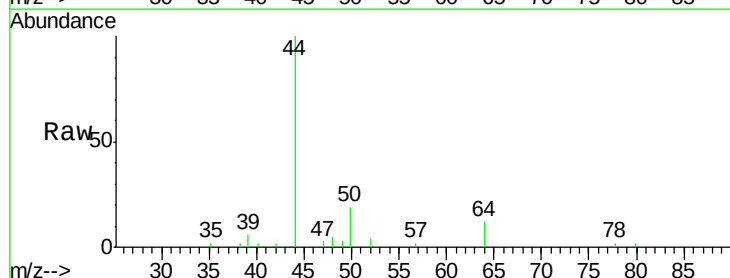
Acq: 22 Mar 2018 16:55

Tgt Ion: 50 Resp: 665

Ion Ratio Lower Upper

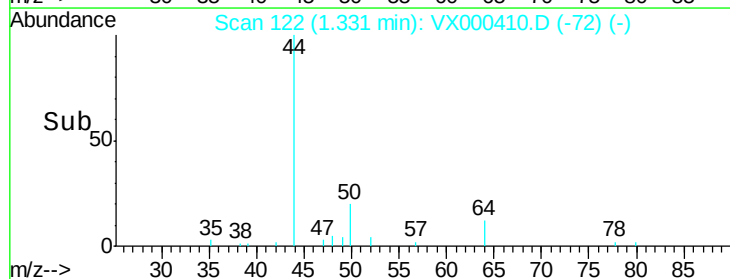
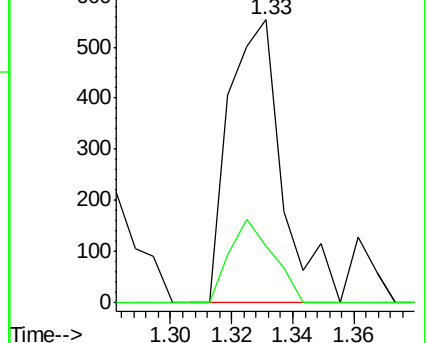
50 100

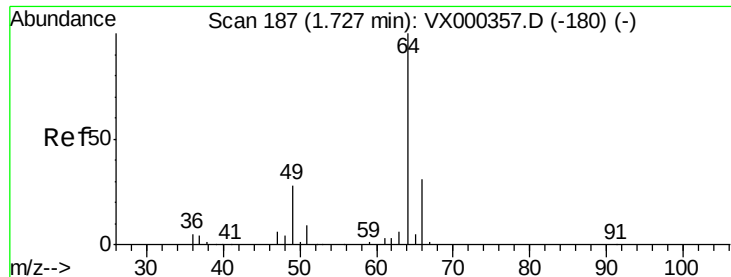
52 20.1 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 181

Delta R.T. -0.04 min

Lab File: VX000410.D

Acq: 22 Mar 2018 16:55

Instrument :

MSVOA_X

ClientSampleId :

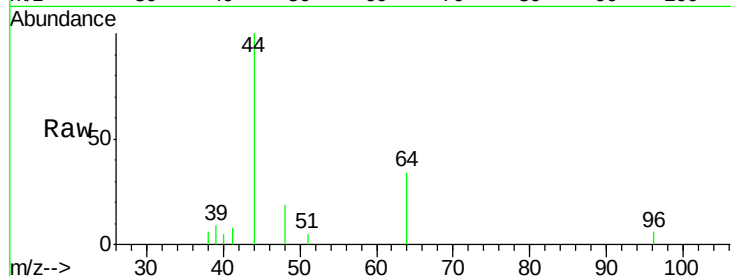
FINEFF-031918

Tgt Ion: 64 Resp: 708

Ion Ratio Lower Upper

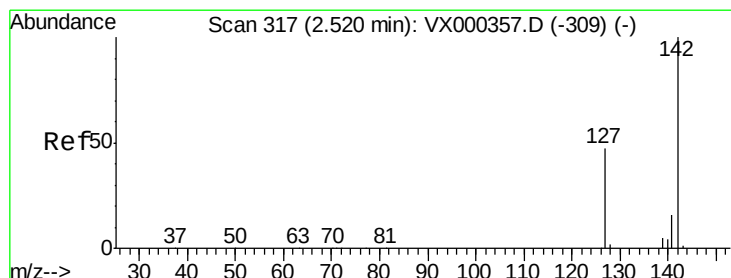
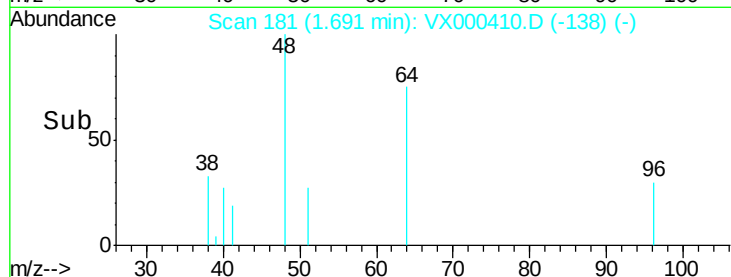
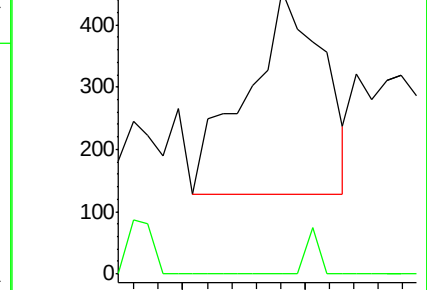
64 100

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



#10

Methyl Iodide

Concen: 4.30 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000410.D

Acq: 22 Mar 2018 16:55

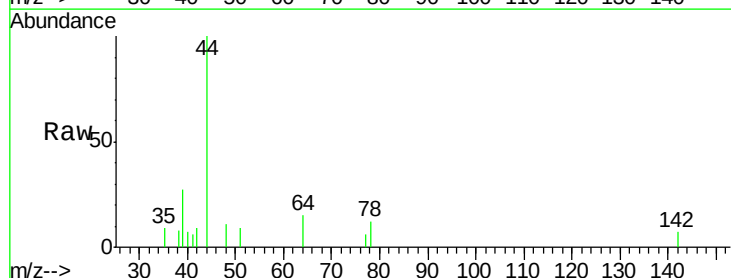
Tgt Ion: 142 Resp: 25

Ion Ratio Lower Upper

142 100

127 0.0 39.2 58.8#

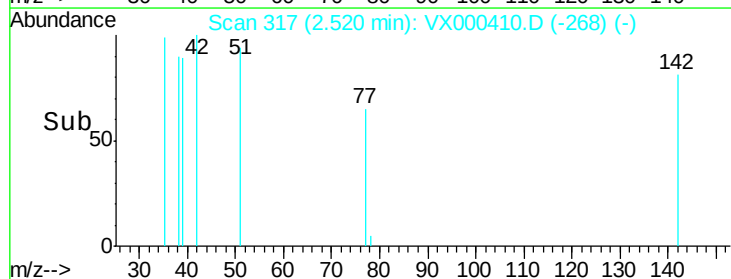
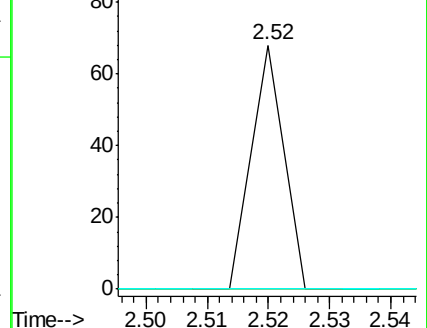
141 0.0 11.7 17.5#

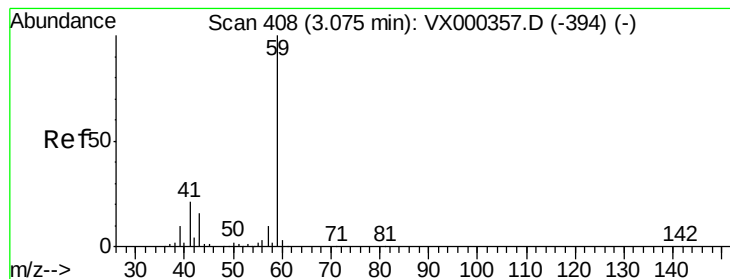


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



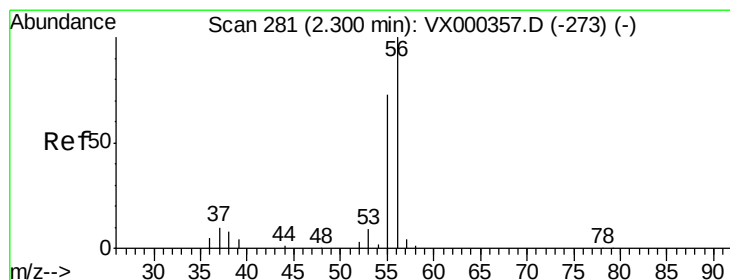
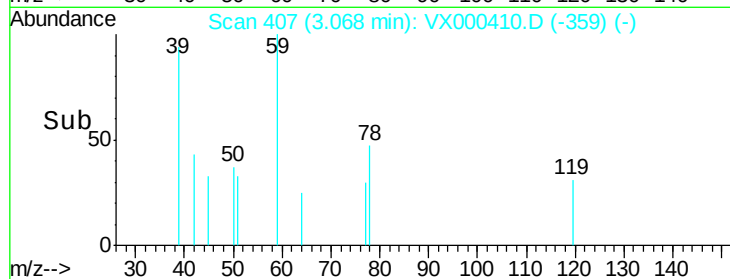
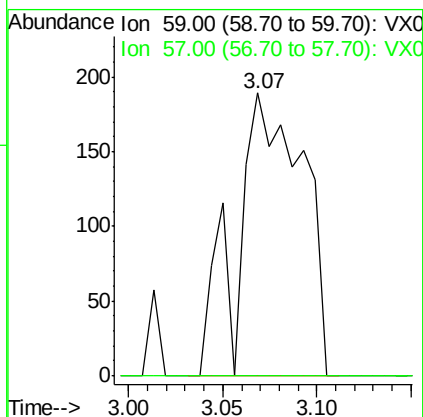
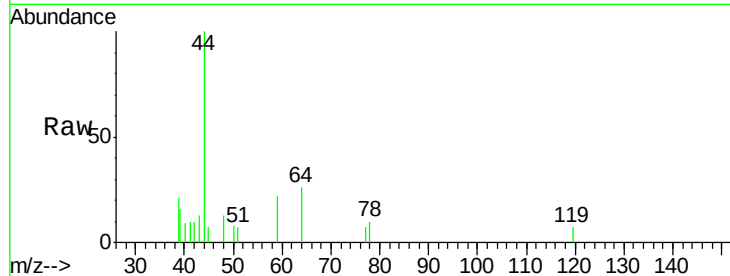


#11

Tert butyl alcohol
 Concen: 1.15 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX000410.D
 Acq: 22 Mar 2018 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 FINEFF-031918

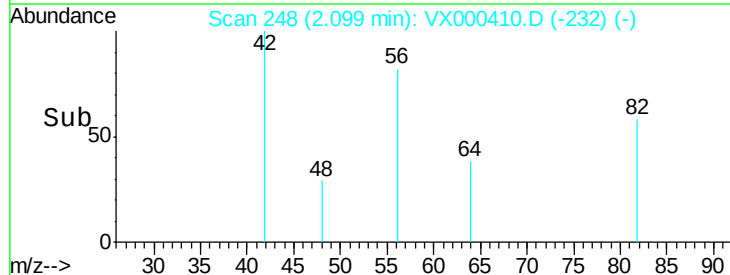
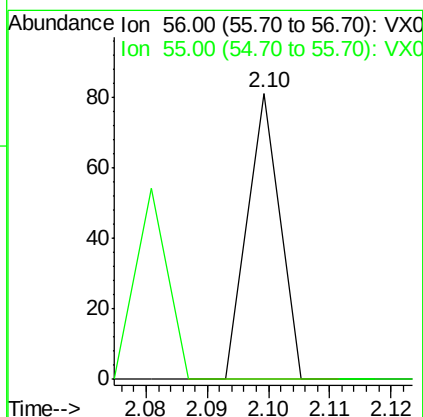
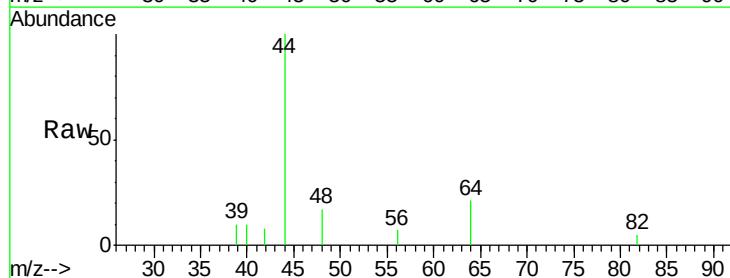
Tgt Ion: 59 Resp: 462
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

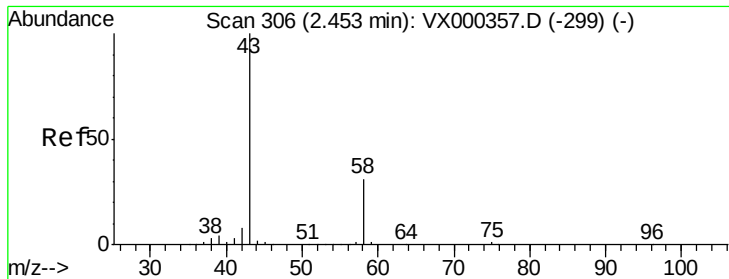


#13

Acrolein
 Concen: 14.80 ug/l
 RT: 2.10 min Scan# 248
 Delta R.T. -0.20 min
 Lab File: VX000410.D
 Acq: 22 Mar 2018 16:55

Tgt Ion: 56 Resp: 30
 Ion Ratio Lower Upper
 56 100
 55 66.7 58.8 88.2





#16

Acetone

Concen: 4.31 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000410.D

Acq: 22 Mar 2018 16:55

Instrument :

MSVOA_X

ClientSampleId :

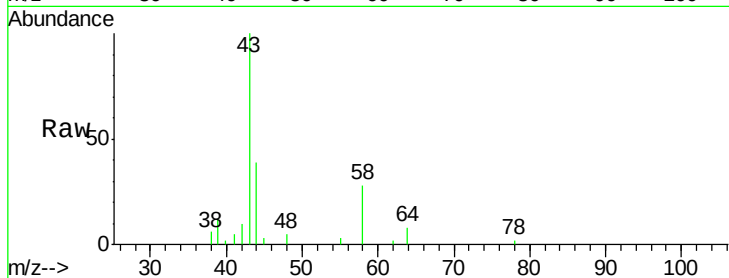
FINEFF-031918

Tgt Ion: 43 Resp: 4182

Ion Ratio Lower Upper

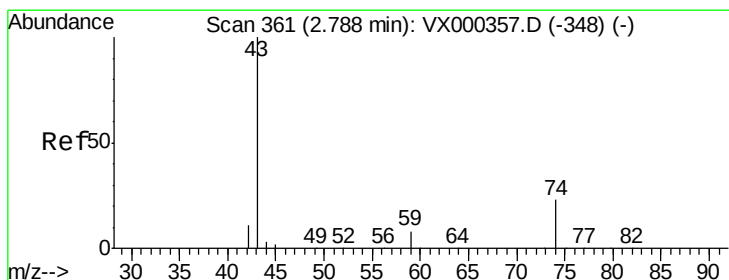
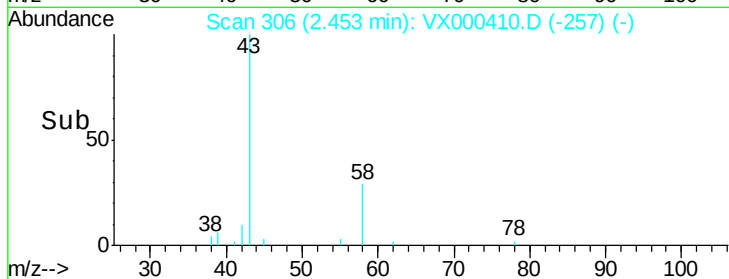
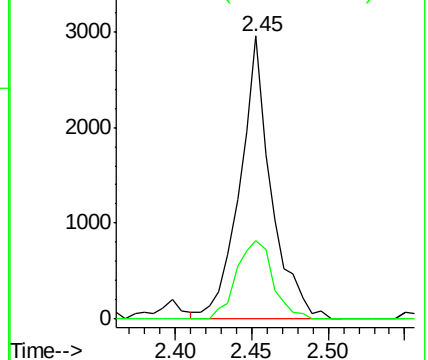
43 100

58 27.9 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: 0.29 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000410.D

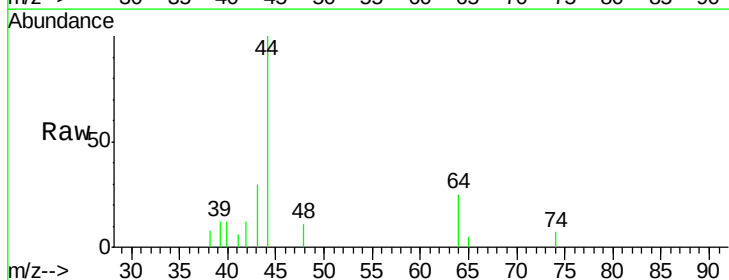
Acq: 22 Mar 2018 16:55

Tgt Ion: 43 Resp: 597

Ion Ratio Lower Upper

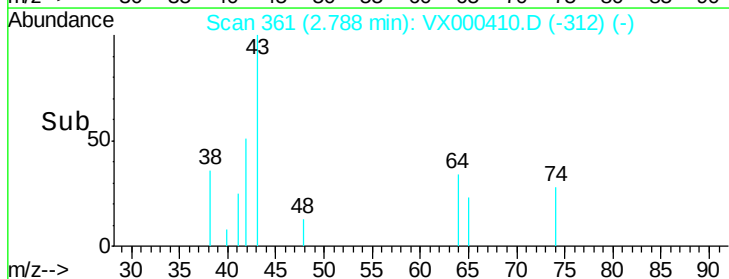
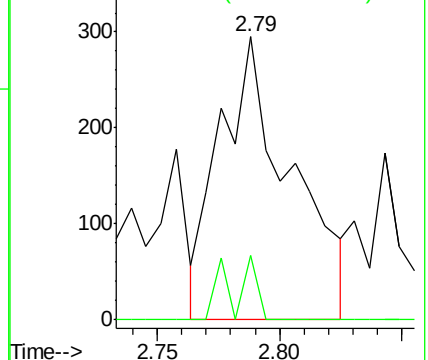
43 100

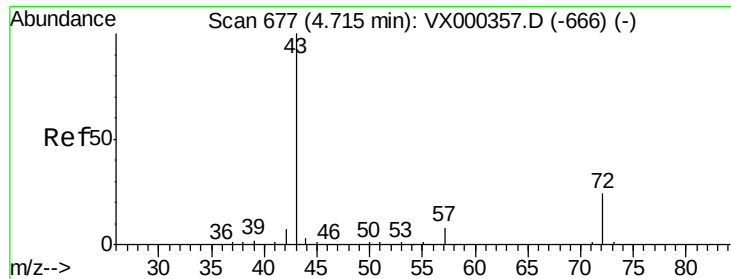
74 8.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 1.44 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000410.D

Acq: 22 Mar 2018 16:55

Instrument :

MSVOA_X

ClientSampleId :

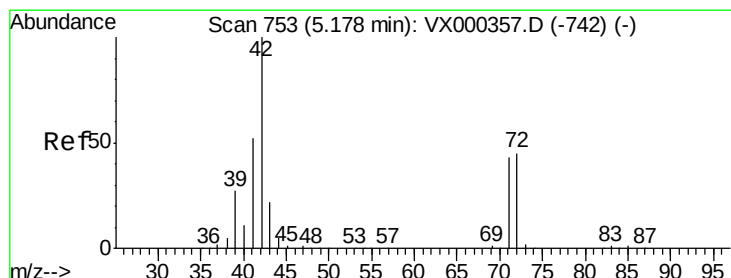
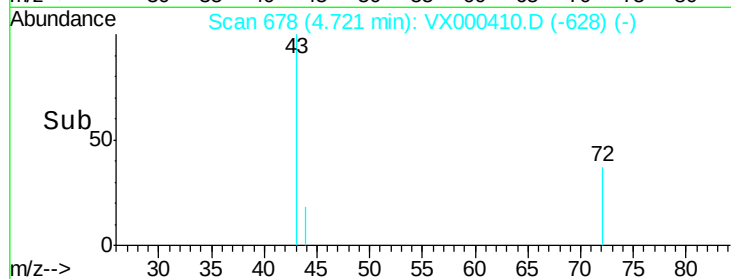
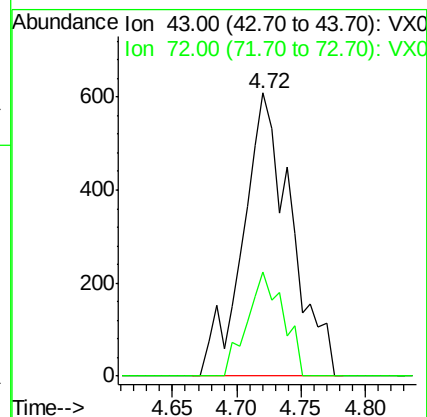
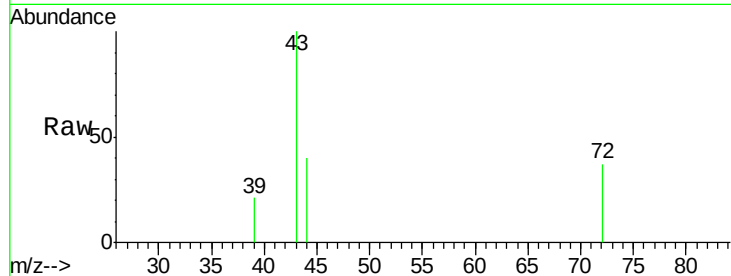
FINEFF-031918

Tgt Ion: 43 Resp: 1576

Ion Ratio Lower Upper

43 100

72 36.7 21.0 31.6#



#29

Tetrahydrofuran

Concen: 11.40 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000410.D

Acq: 22 Mar 2018 16:55

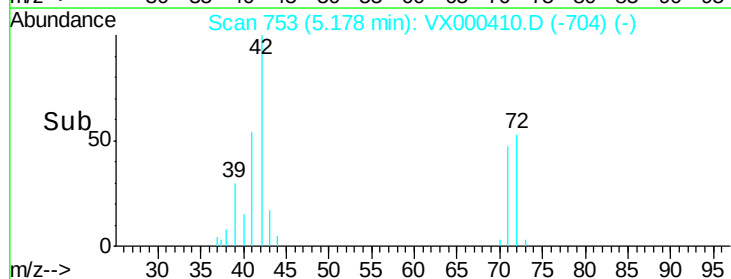
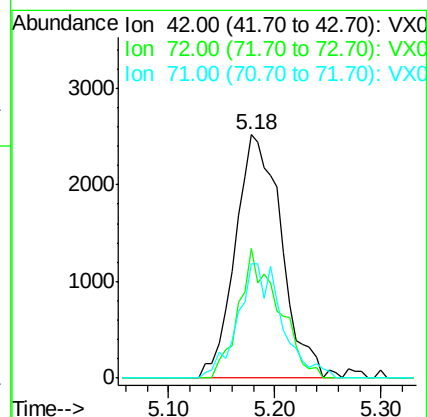
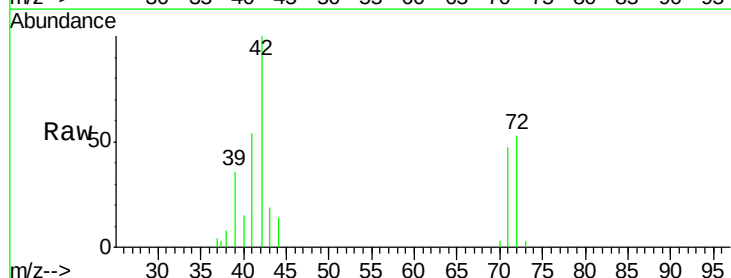
Tgt Ion: 42 Resp: 7653

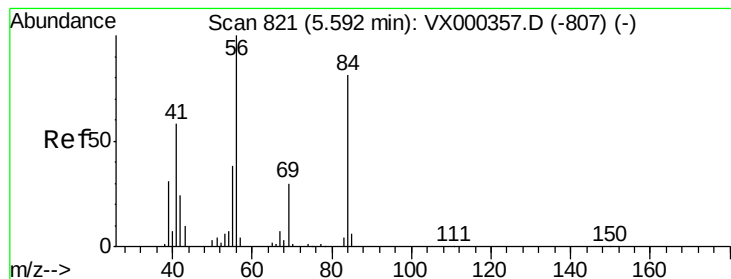
Ion Ratio Lower Upper

42 100

72 45.4 37.9 56.9

71 44.9 34.4 51.6





#31

Cyclohexane

Concen: 1.52 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000410.D

Acq: 22 Mar 2018 16:55

Instrument :

MSVOA_X

ClientSampleId :

FINEFF-031918

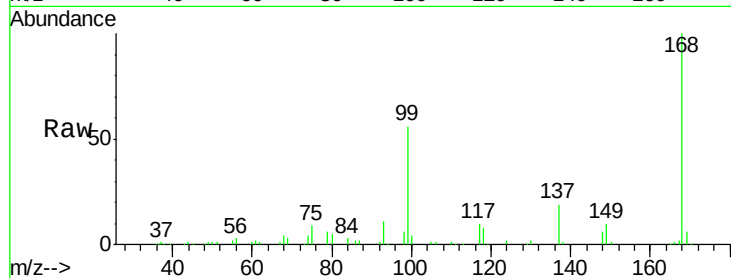
Tgt Ion: 56 Resp: 2240

Ion Ratio Lower Upper

56 100

69 114.9 23.4 35.0#

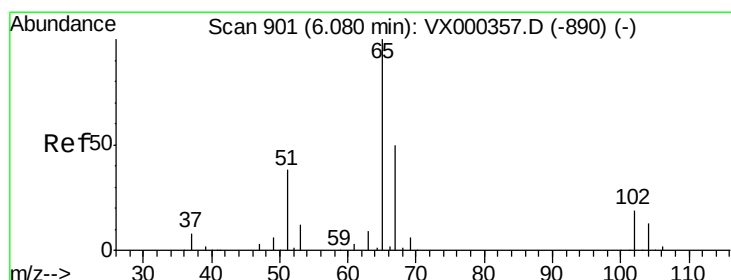
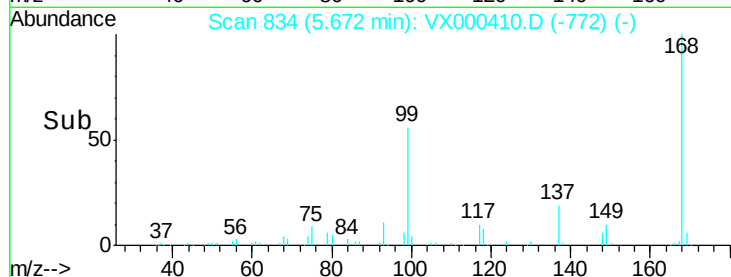
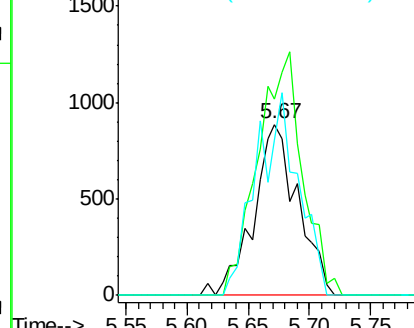
84 90.9 71.0 106.4



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: 54.86 ug/l

RT: 6.09 min Scan# 902

Delta R.T. 0.01 min

Lab File: VX000410.D

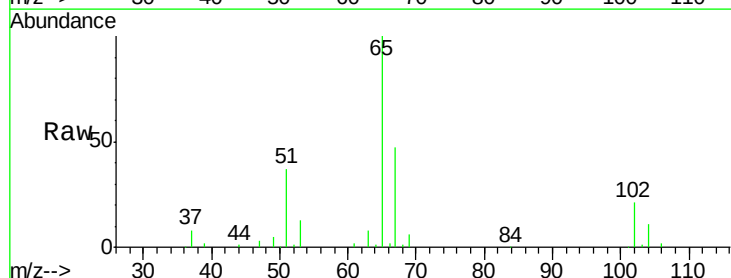
Acq: 22 Mar 2018 16:55

Tgt Ion: 65 Resp: 64009

Ion Ratio Lower Upper

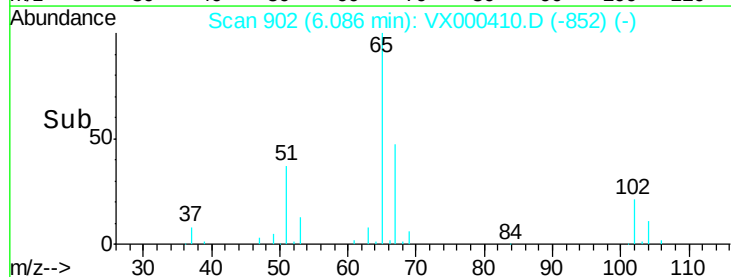
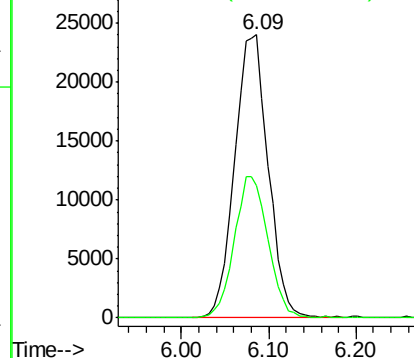
65 100

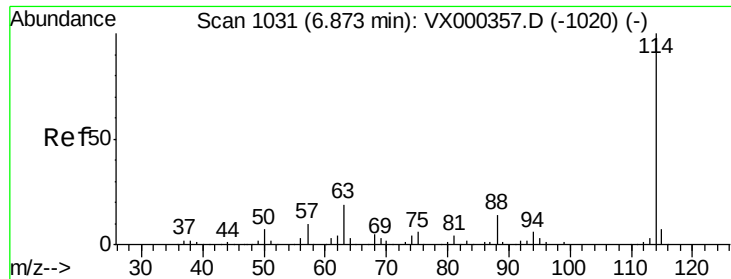
67 49.8 0.0 103.2



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: VX000410.D

Acq: 22 Mar 2018 16:55

Instrument :

MSVOA_X

ClientSampleId :

FINEFF-031918

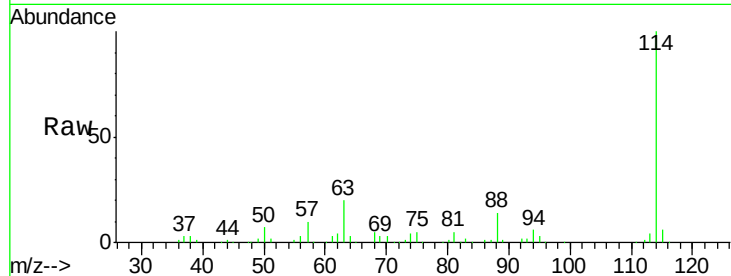
Tgt Ion:114 Resp: 155896

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

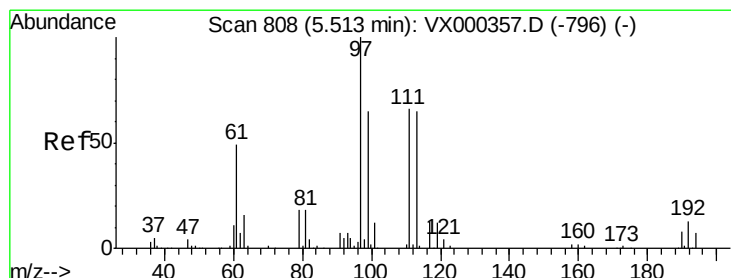
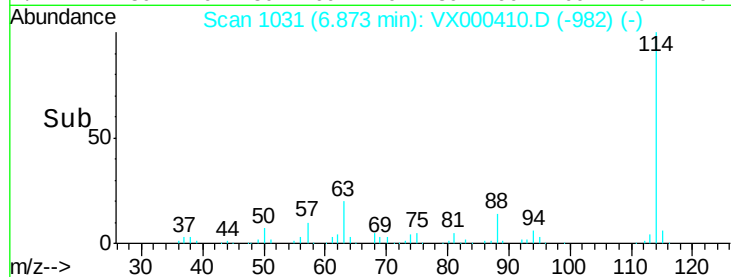
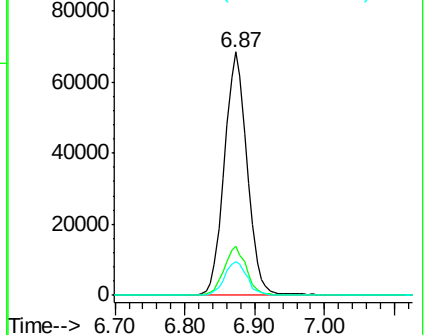
88 13.6 0.0 27.0



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: 50.49 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000410.D

Acq: 22 Mar 2018 16:55

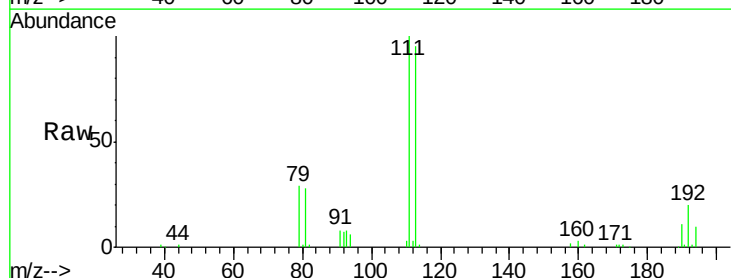
Tgt Ion:113 Resp: 49599

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

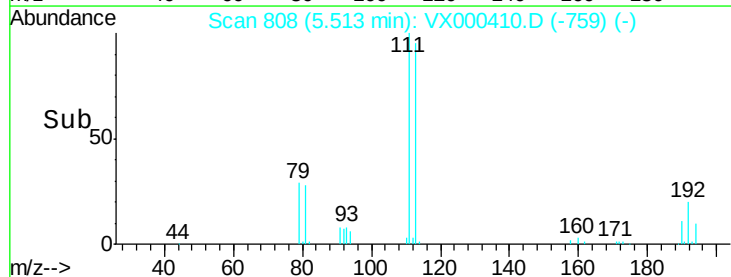
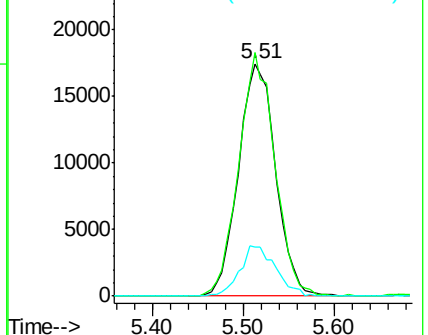
192 20.7 15.8 23.6

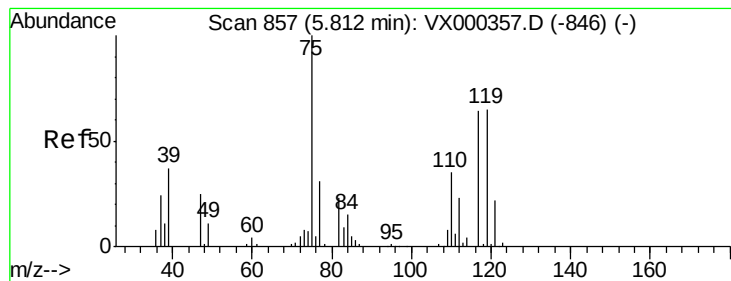


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.56 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000410.D

Acq: 22 Mar 2018 16:55

Instrument :

MSVOA_X

ClientSampleId :

FINEFF-031918

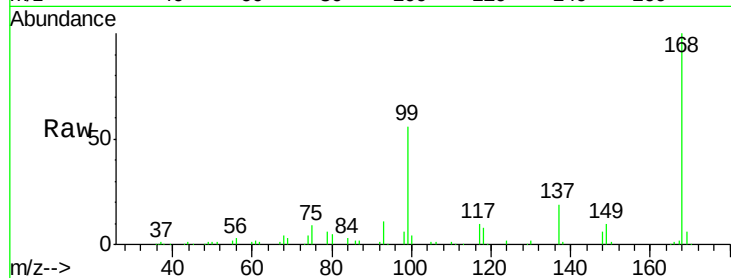
Tgt Ion: 75 Resp: 6658

Ion Ratio Lower Upper

75 100

110 11.6 17.9 53.7#

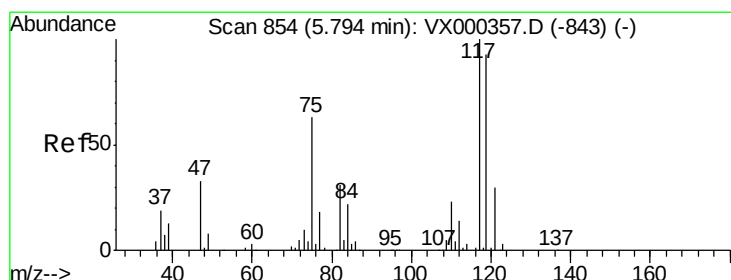
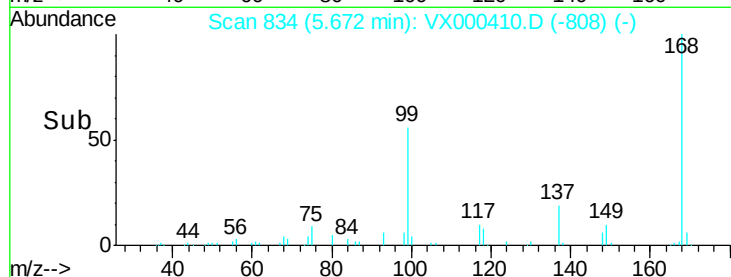
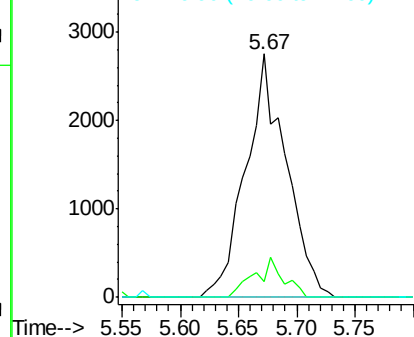
77 0.0 24.0 36.0#



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: VX000410.D

Acq: 22 Mar 2018 16:55

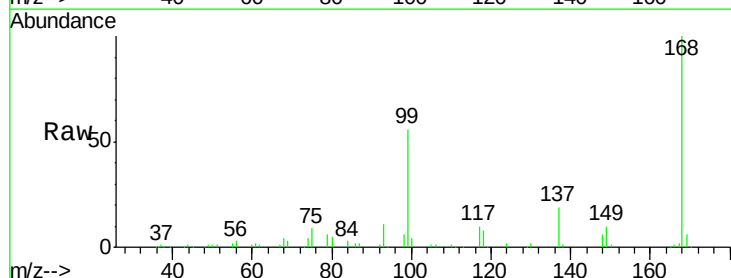
Tgt Ion: 117 Resp: 8823

Ion Ratio Lower Upper

117 100

119 4.1 77.4 116.2#

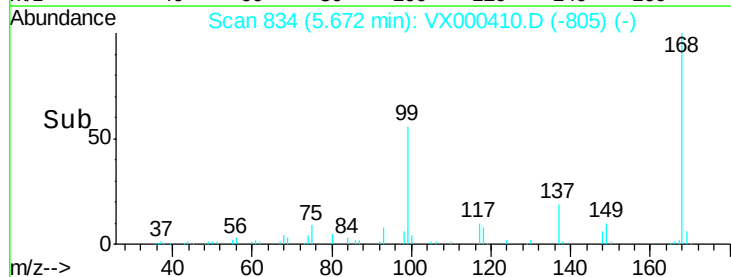
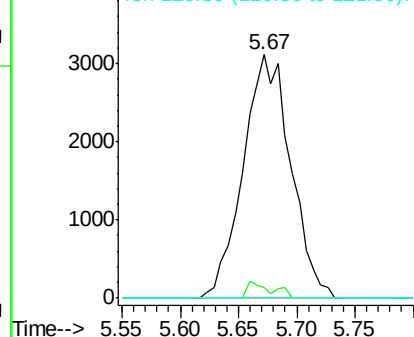
121 0.0 24.8 37.2#

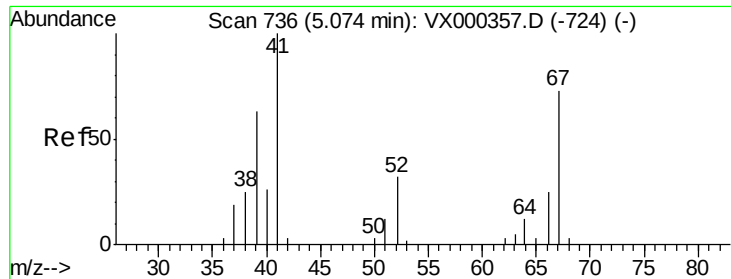


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

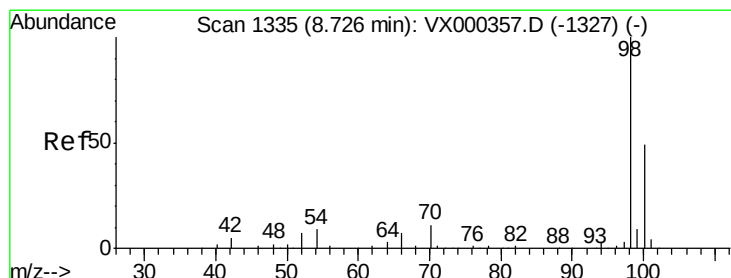
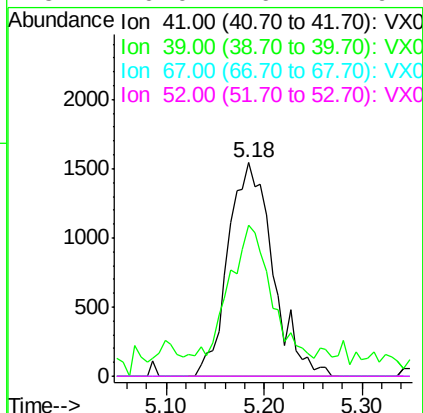
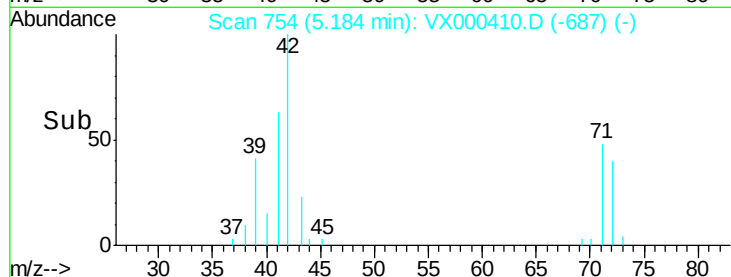
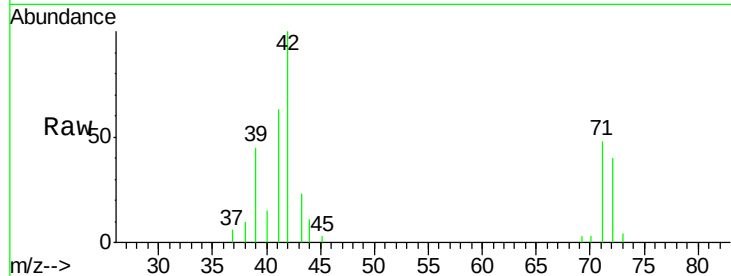




#41
Methacrylonitrile
Concen: 4.66 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.11 min
Lab File: VX000410.D
Acq: 22 Mar 2018 16:55

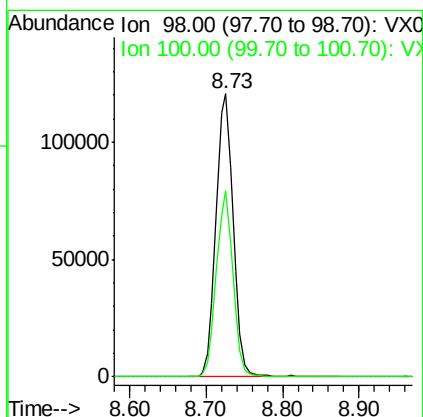
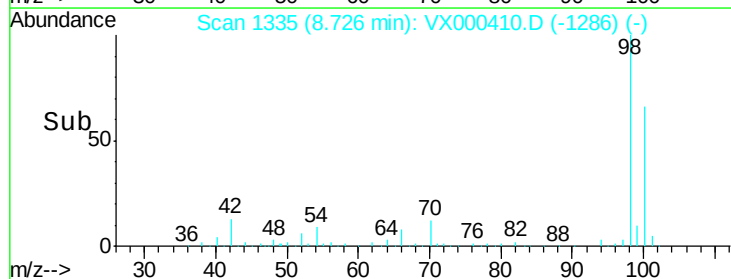
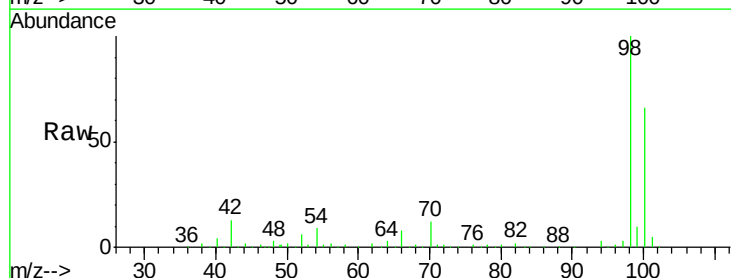
Instrument :
MSVOA_X
ClientSampleId :
FINEFF-031918

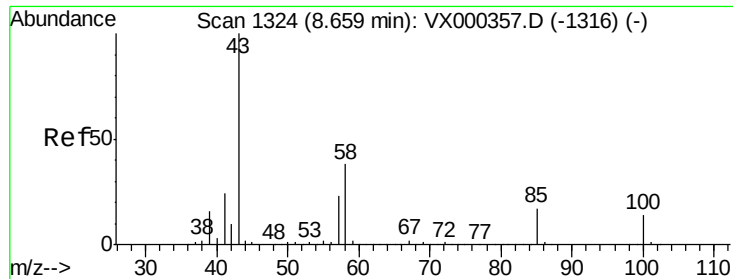
Tgt Ion: 41 Resp: 4900
Ion Ratio Lower Upper
41 100
39 62.8 45.7 68.5
67 0.0 57.8 86.8#
52 0.0 26.7 40.1#



#50
Toluene-d8
Concen: 46.49 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000410.D
Acq: 22 Mar 2018 16:55

Tgt Ion: 98 Resp: 189137
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8

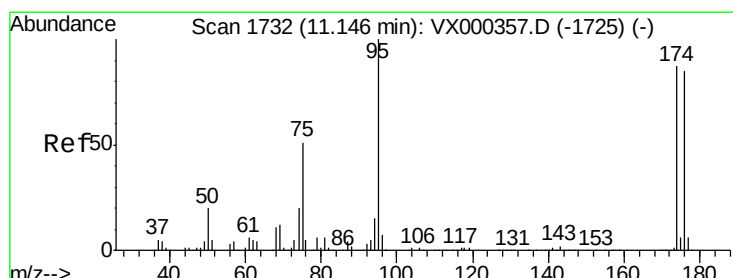
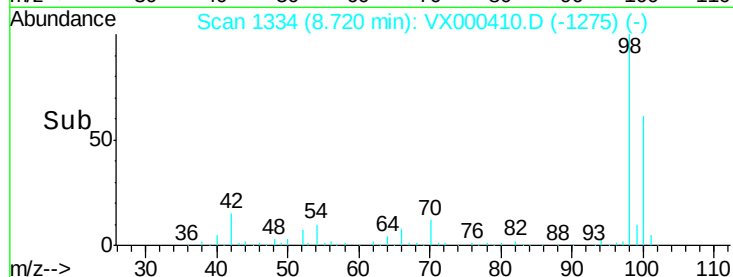
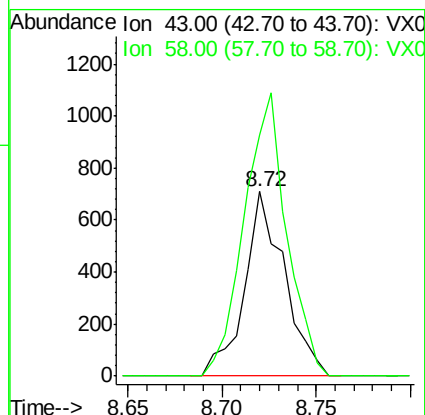
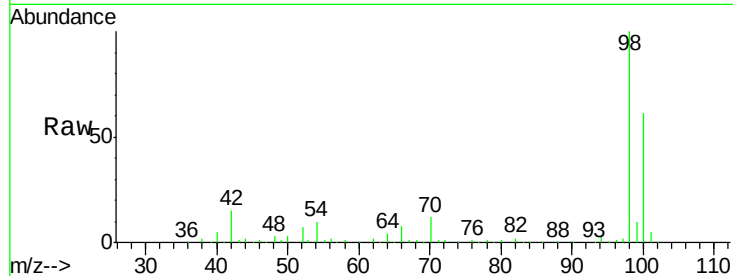




#51
 4-Methyl-2-Pentanone
 Concen: 0.45 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.06 min
 Lab File: VX000410.D
 Acq: 22 Mar 2018 16:55

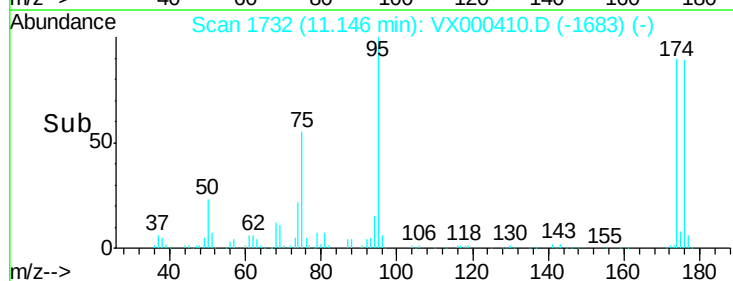
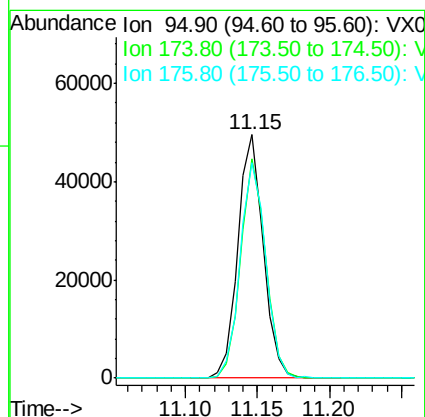
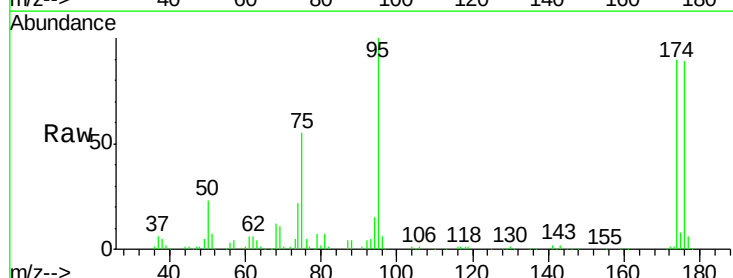
Instrument :
 MSVOA_X
 ClientSampleId :
 FINEFF-031918

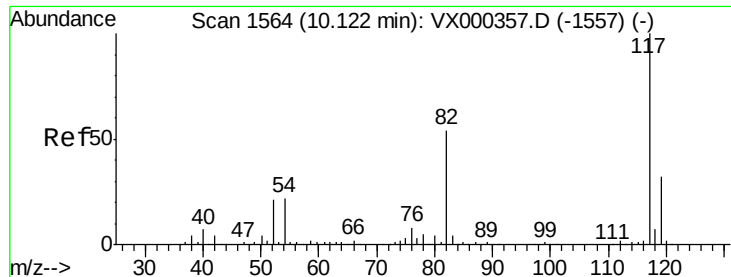
Tgt Ion: 43 Resp: 1044
 Ion Ratio Lower Upper
 43 100
 58 162.7 30.3 45.5#



#62
 4-Bromofluorobenzene
 Concen: 37.34 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000410.D
 Acq: 22 Mar 2018 16:55

Tgt Ion: 95 Resp: 61124
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 173.6
 176 89.0 0.0 164.6

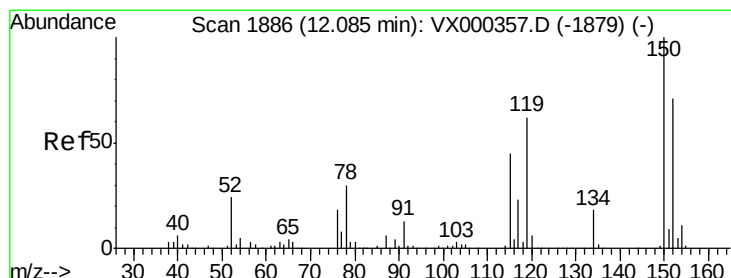
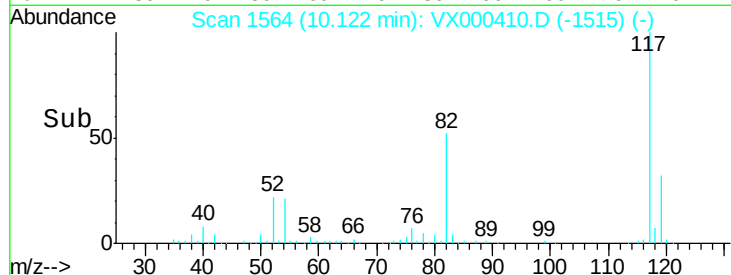
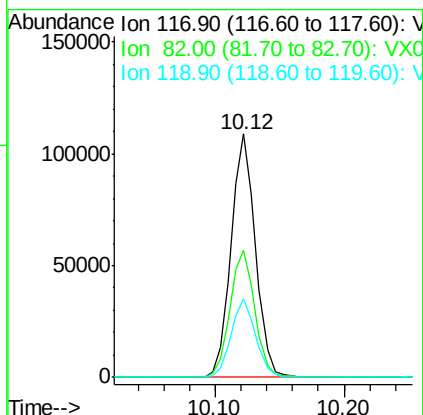
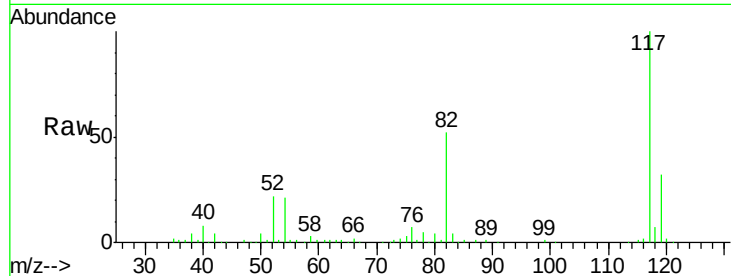




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000410.D
Acq: 22 Mar 2018 16:55

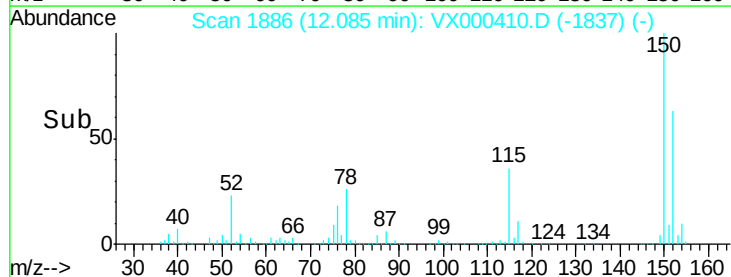
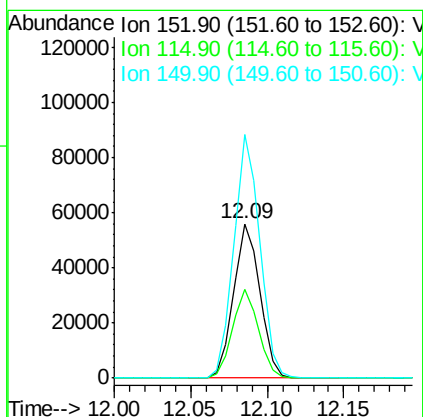
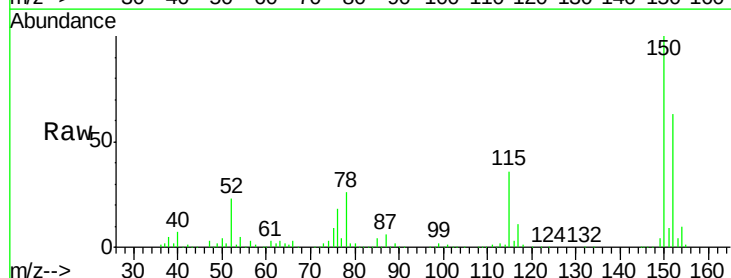
Instrument :
MSVOA_X
ClientSampled :
FINEFF-031918

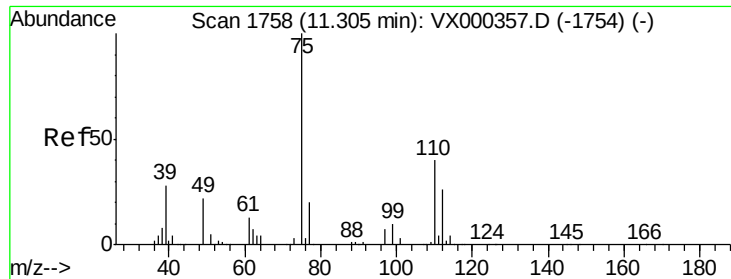
Tgt Ion:117 Resp: 143922
Ion Ratio Lower Upper
117 100
82 52.3 43.8 65.8
119 32.1 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000410.D
Acq: 22 Mar 2018 16:55

Tgt Ion:152 Resp: 66558
Ion Ratio Lower Upper
152 100
115 57.3 39.8 119.3
150 156.1 0.0 344.4

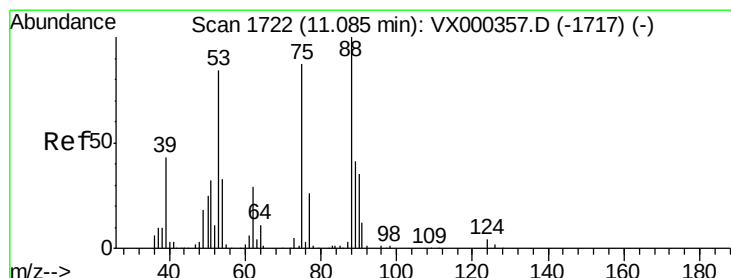
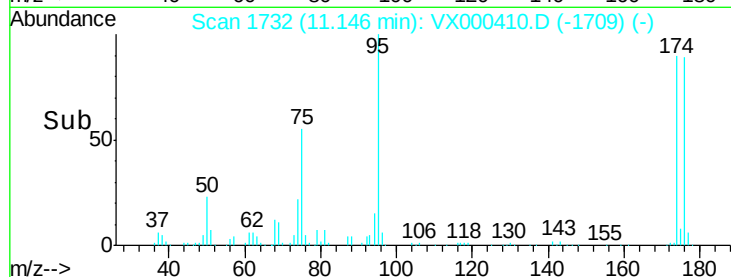
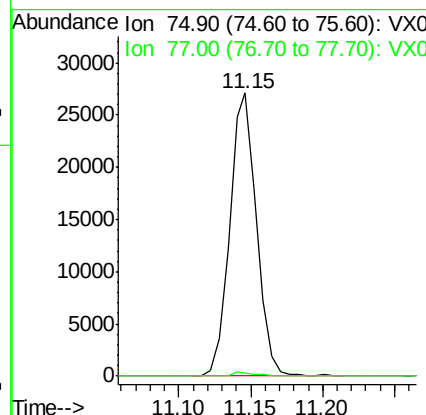
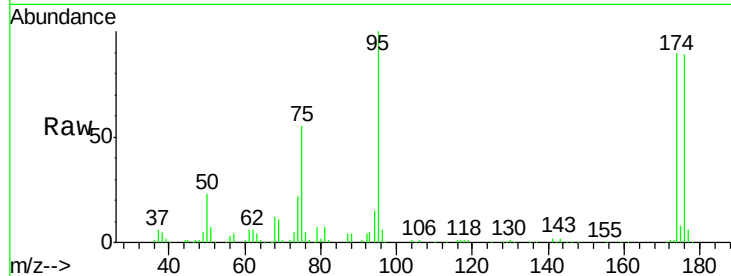




#76
 1,2,3-Trichloropropane
 Concen: 24.64 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000410.D
 Acq: 22 Mar 2018 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 FINEFF-031918

Tgt Ion: 75 Resp: 35245
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.77 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000410.D
 Acq: 22 Mar 2018 16:55

Tgt Ion: 75 Resp: 35245
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

