

Data File : VX000549.D

Acq On : 30 Mar 2018 07:43

Operator : JC/MD

Sample : J2094-06

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Time: Mar 30 08:40:07 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	102721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	182366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	183626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	97002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	74531	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
35) Dibromofluoromethane	5.51	113	58296	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	8.73	98	232645	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.15	95	81103	41.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.45	85	705	0.62	ug/l #	56
4) Vinyl Chloride	1.40	62	2629	2.09	ug/l #	89
6) Chloroethane	1.73	64	204	Below	Cal #	44
11) Tert butyl alcohol	3.07	59	309	0.67	ug/l #	37
12) 1,1-Dichloroethene	2.38	96	10102	9.07	ug/l	85
13) Acrolein	2.30	56	19	14.70	ug/l #	1
14) Allyl chloride	2.73	41	87	Below	Cal #	11
16) Acetone	2.45	43	2800	2.51	ug/l #	84
18) Methyl Acetate	2.78	43	723	0.31	ug/l #	51
20) Methylene Chloride	2.88	84	534	0.41	ug/l #	72
24) 1,1-Dichloroethane	3.70	63	23185	10.59	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	1729	1.49	ug/l	85
31) Cyclohexane	5.67	56	2621	1.55	ug/l #	66
32) 1,1,1-Trichloroethane	5.51	97	5468	2.96	ug/l	98
36) 1,1-Dichloropropene	5.67	75	8359	4.89	ug/l #	52
38) Carbon Tetrachloride	5.67	117	10482	5.85	ug/l #	14
44) Trichloroethene	7.22	130	384	0.27	ug/l	83
49) 1,4-Dioxane	7.78	88	612	17.27	ug/l #	80
74) N-amyl acetate	6.40	43	72	Below	Cal #	59
76) 1,2,3-Trichloropropane	11.15	75	45770	21.96	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	45770	71.08	ug/l #	10

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

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MSVOA_X

ClientSampleId :

MW-3

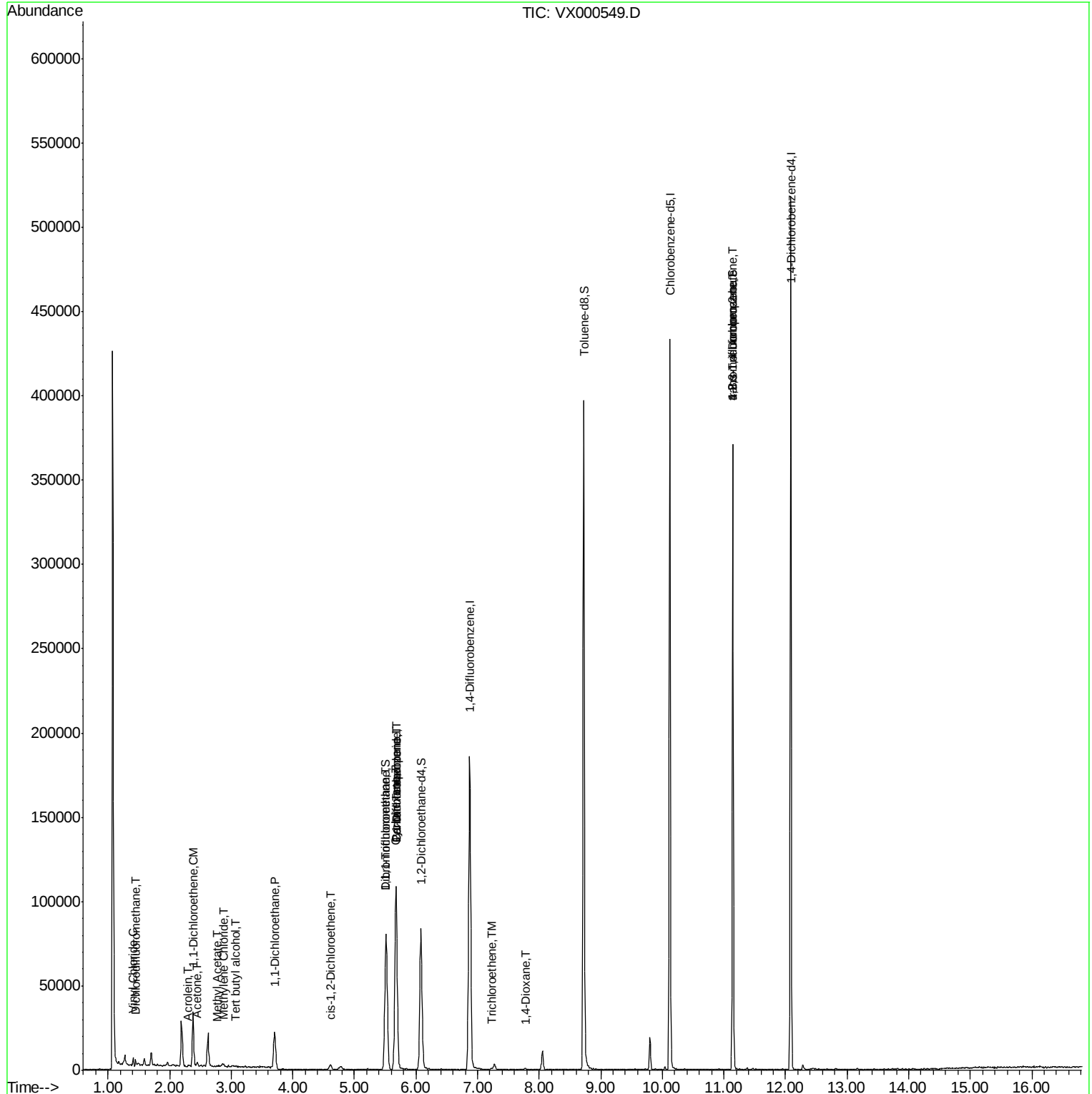
Quant Time: Mar 30 08:40:07 2018

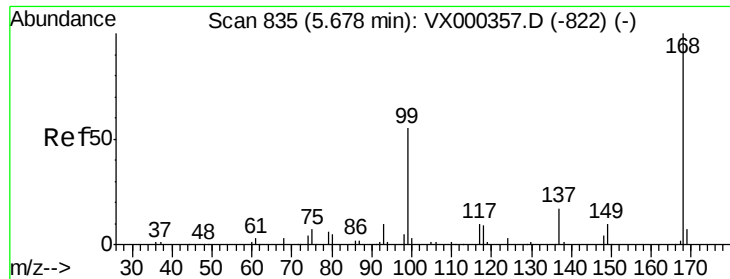
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

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: VX000549.D

Acq: 30 Mar 2018 07:43

Instrument :

MSVOA_X

ClientSampled :

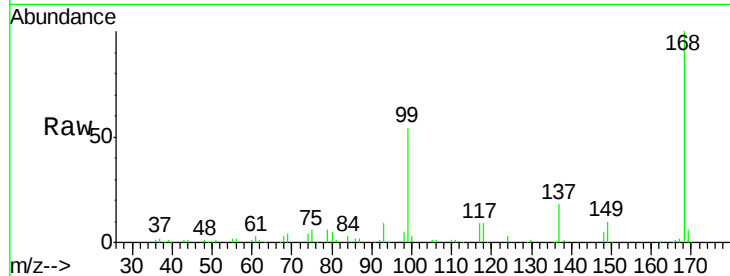
MW-3

Tgt Ion:168 Resp: 102721

Ion Ratio Lower Upper

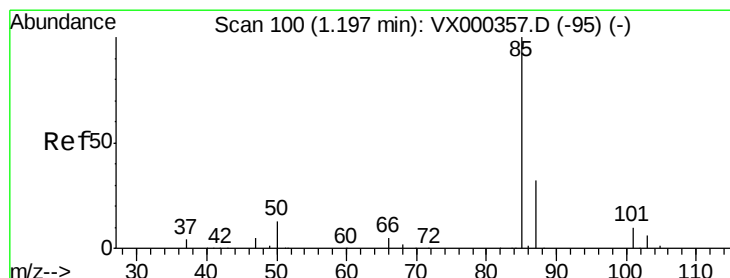
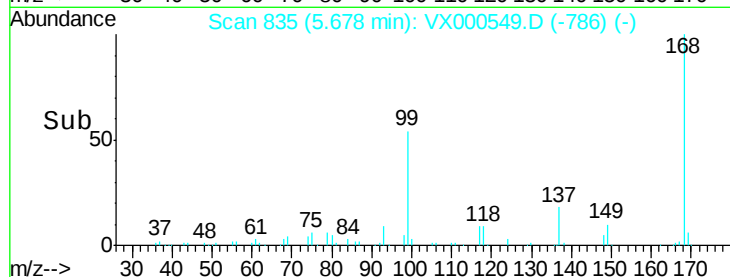
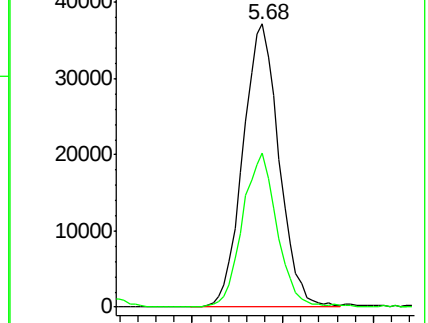
168 100

99 54.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.62 ug/l

RT: 1.45 min Scan# 142

Delta R.T. 0.26 min

Lab File: VX000549.D

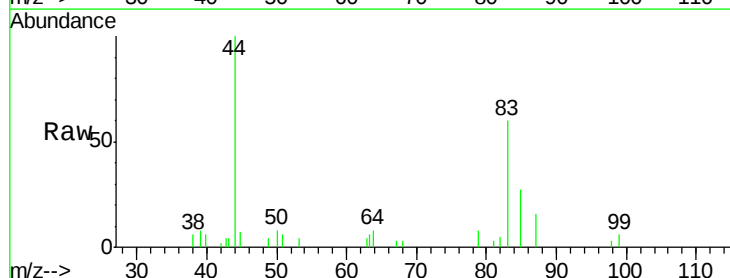
Acq: 30 Mar 2018 07:43

Tgt Ion: 85 Resp: 705

Ion Ratio Lower Upper

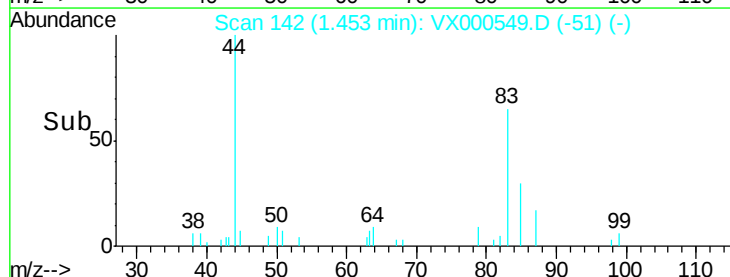
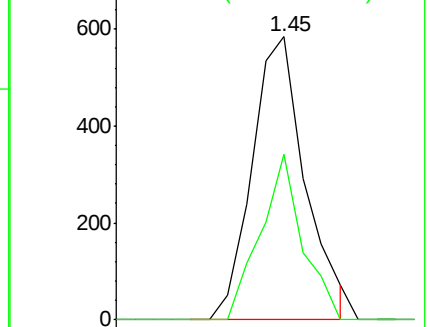
85 100

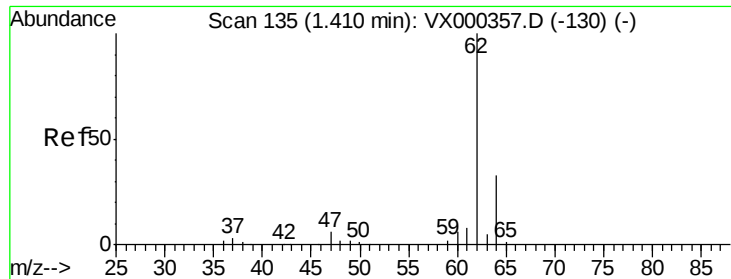
87 58.4 16.8 50.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 2.09 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000549.D

Acq: 30 Mar 2018 07:43

Instrument :

MSVOA_X

ClientSampled :

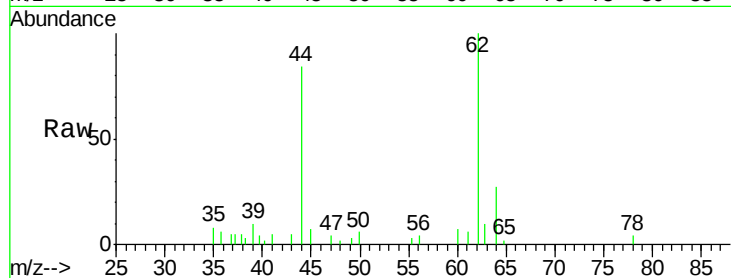
MW-3

Tgt Ion: 62 Resp: 2629

Ion Ratio Lower Upper

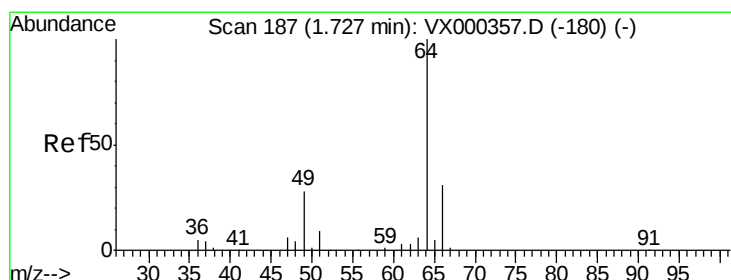
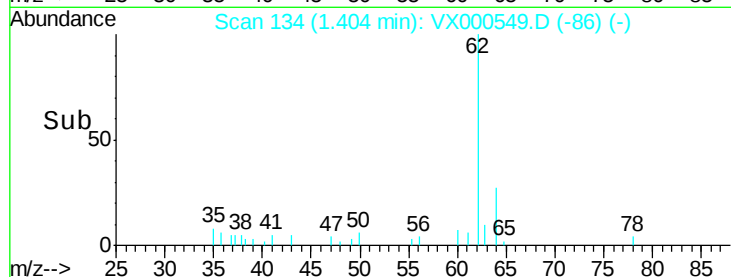
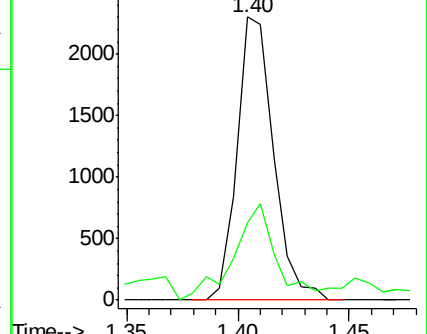
62 100

64 24.8 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000549.D

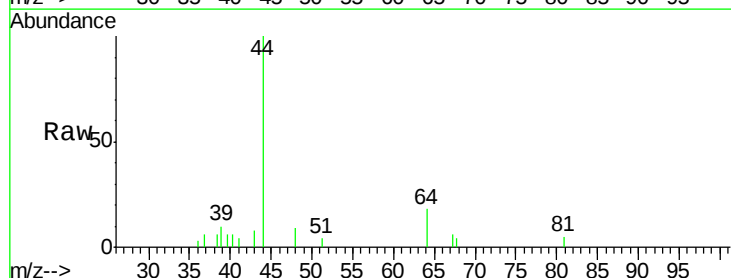
Acq: 30 Mar 2018 07:43

Tgt Ion: 64 Resp: 204

Ion Ratio Lower Upper

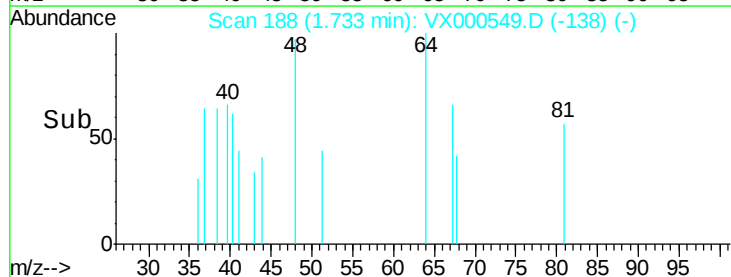
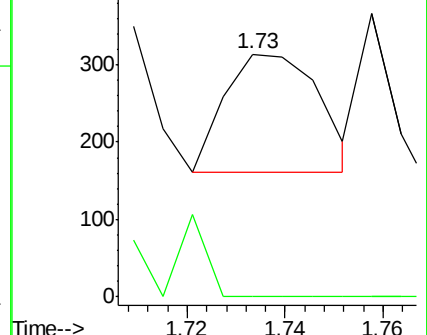
64 100

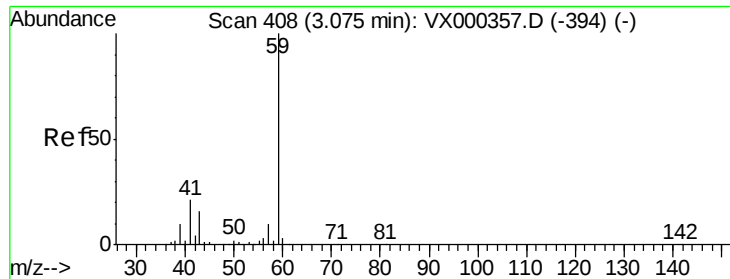
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

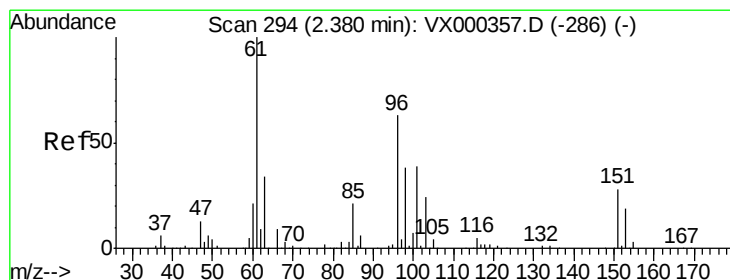
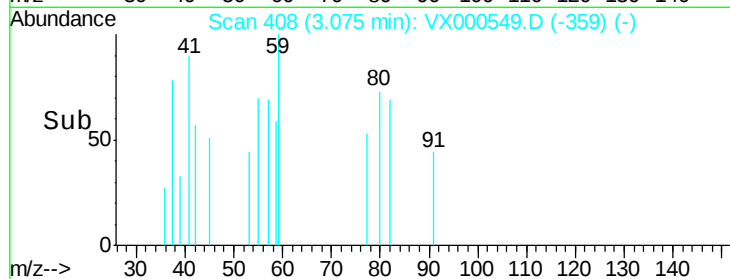
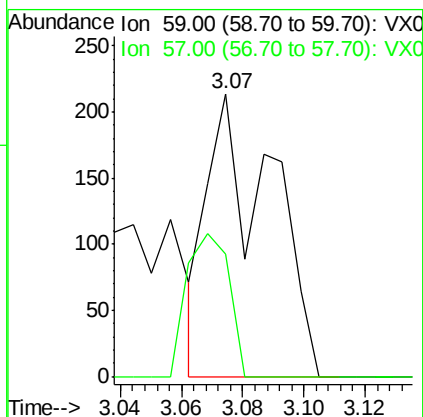
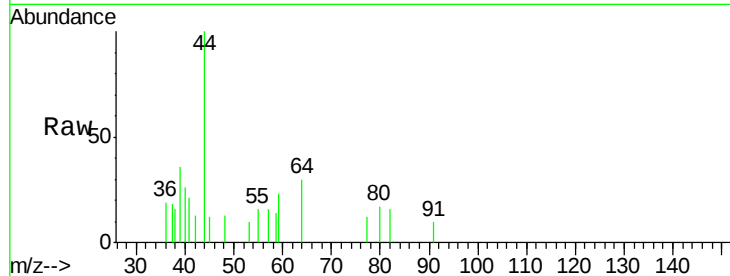




#11
Tert butyl alcohol
Concen: 0.67 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000549.D
Acq: 30 Mar 2018 07:43

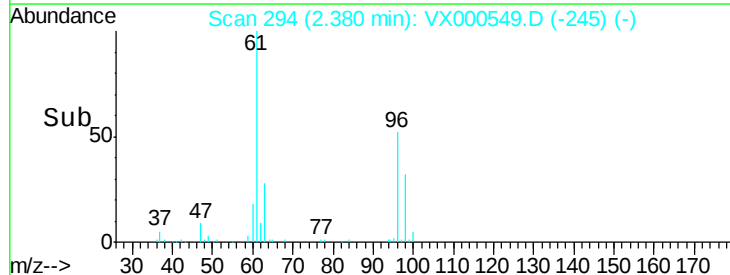
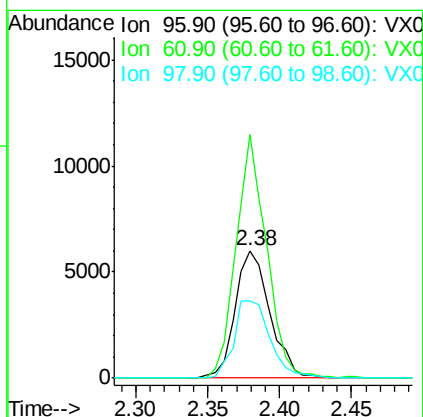
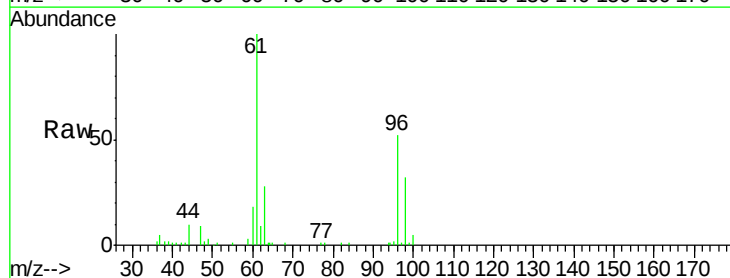
Instrument :
MSVOA_X
ClientSampled :
MW-3

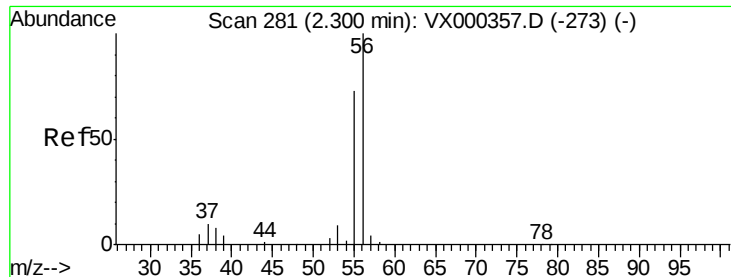
Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 34.0 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 9.07 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000549.D
Acq: 30 Mar 2018 07:43

Tgt Ion: 96 Resp: 10102
Ion Ratio Lower Upper
96 100
61 191.0 131.2 196.8
98 60.7 49.8 74.8





#13

Acrolein

Concen: 14.70 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000549.D

Acq: 30 Mar 2018 07:43

Instrument :

MSVOA_X

ClientSampled :

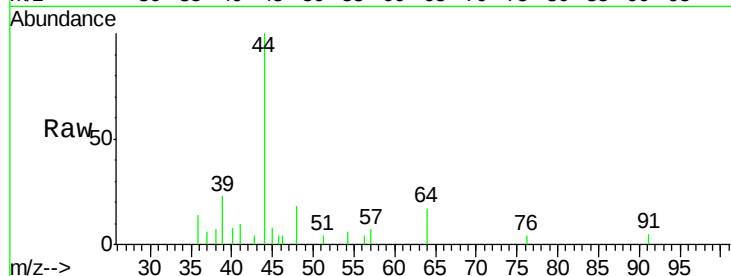
MW-3

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

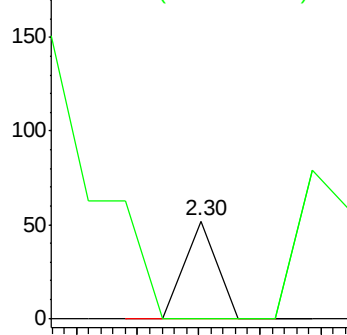
56 100

55 368.4 58.8 88.2#

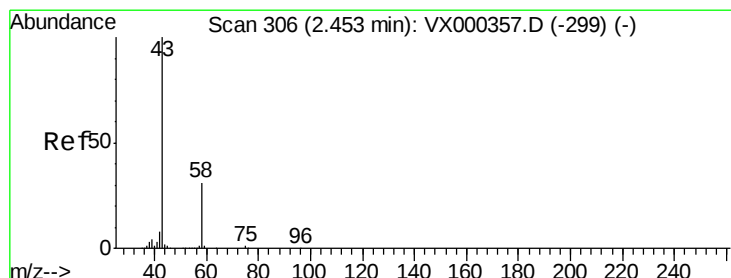
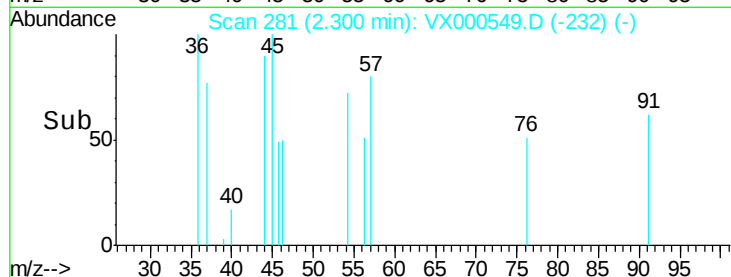


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 2.51 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000549.D

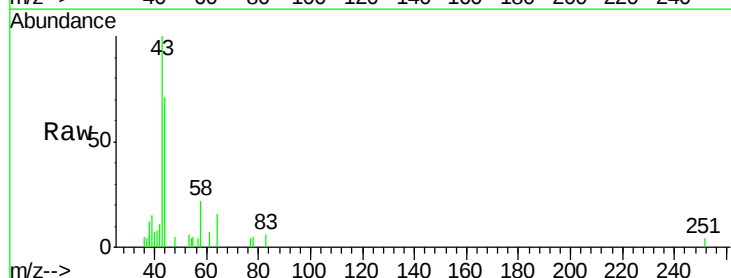
Acq: 30 Mar 2018 07:43

Tgt Ion: 43 Resp: 2800

Ion Ratio Lower Upper

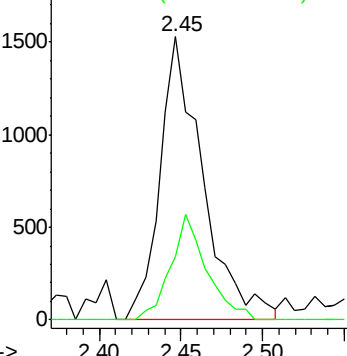
43 100

58 22.4 24.7 37.1#

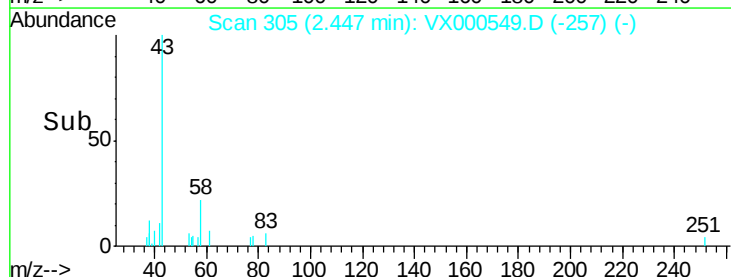


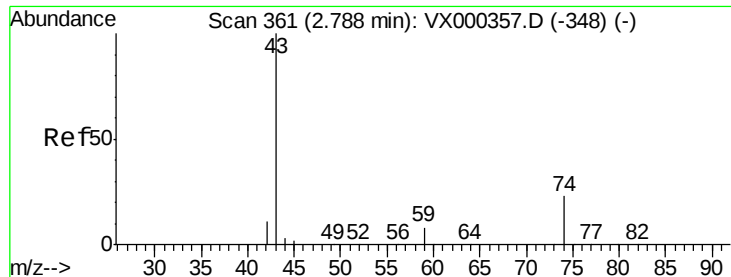
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

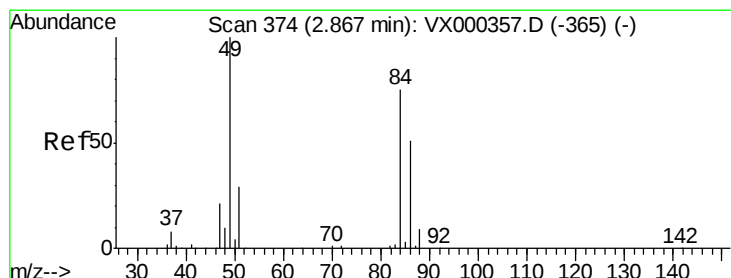
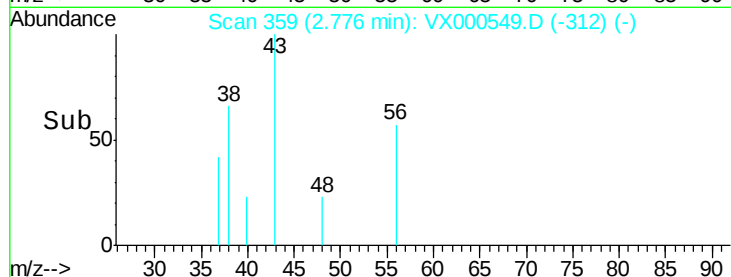
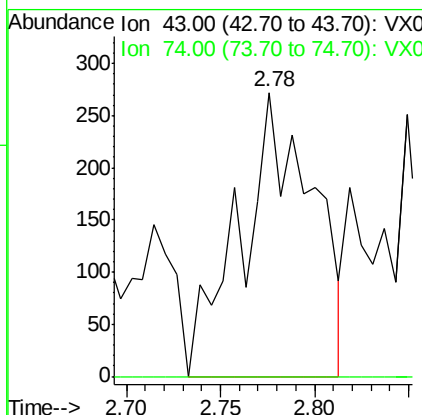
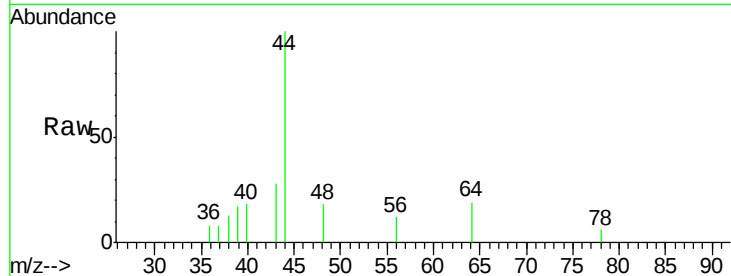




#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX000549.D
Acq: 30 Mar 2018 07:43

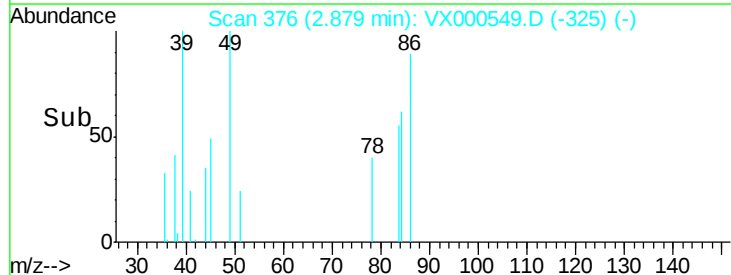
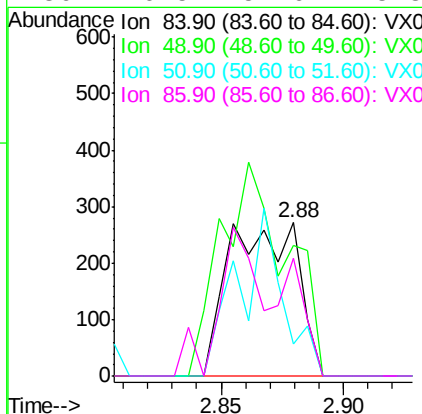
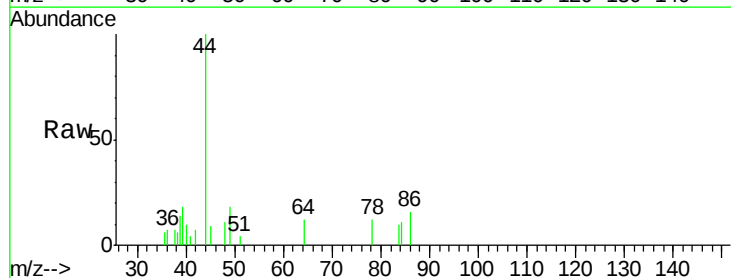
Instrument :
MSVOA_X
ClientSampled :
MW-3

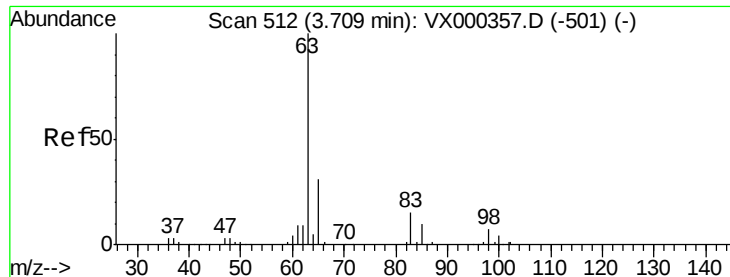
Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 2.88 min Scan# 376
Delta R.T. 0.01 min
Lab File: VX000549.D
Acq: 30 Mar 2018 07:43

Tgt Ion: 84 Resp: 534
Ion Ratio Lower Upper
84 100
49 85.3 100.6 151.0#
51 20.6 31.6 47.4#
86 76.5 52.6 78.8





#24

1,1-Dichloroethane

Concen: 10.59 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000549.D

Acq: 30 Mar 2018 07:43

Instrument :

MSVOA_X

ClientSampleId :

MW-3

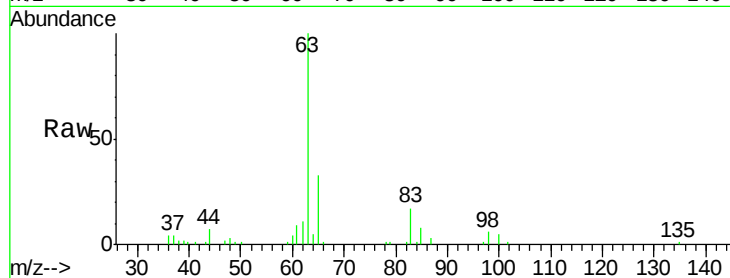
Tgt Ion: 63 Resp: 23185

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

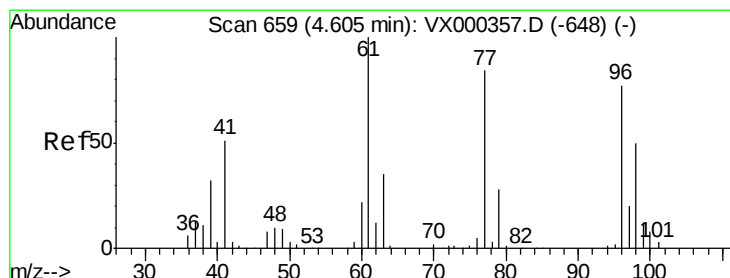
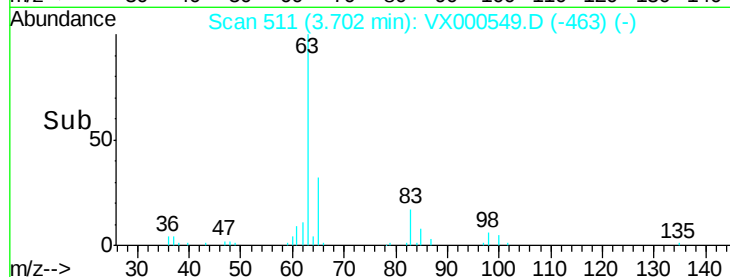
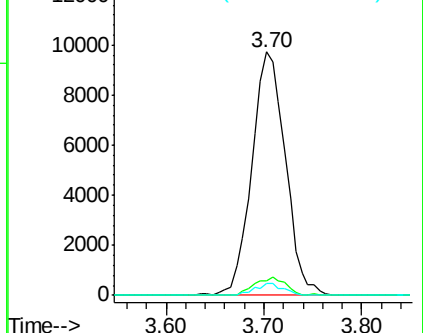
100 4.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.49 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000549.D

Acq: 30 Mar 2018 07:43

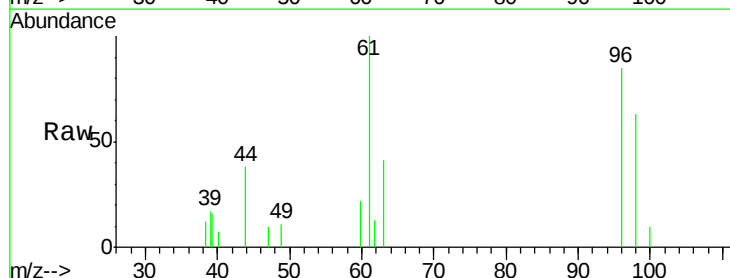
Tgt Ion: 96 Resp: 1729

Ion Ratio Lower Upper

96 100

61 118.4 0.0 291.6

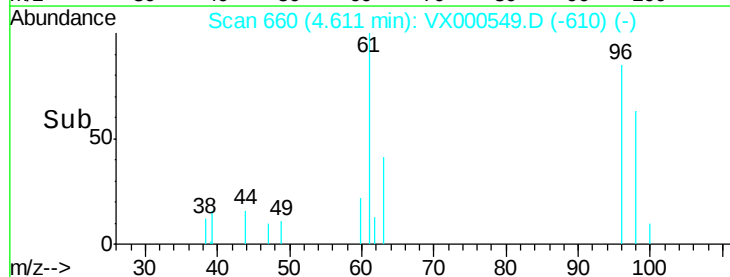
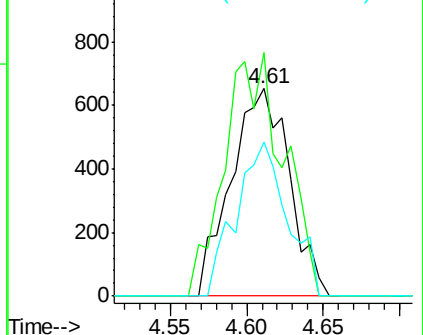
98 65.4 0.0 132.0

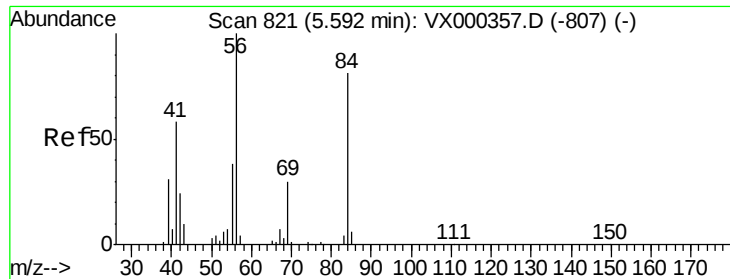


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

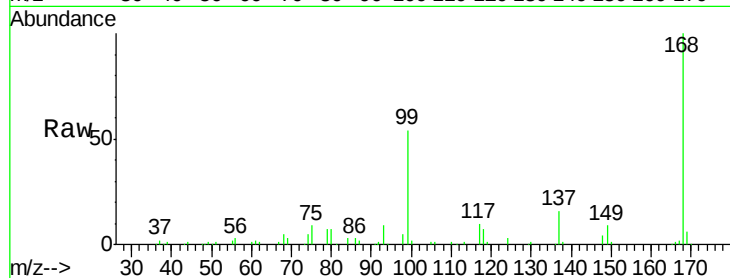




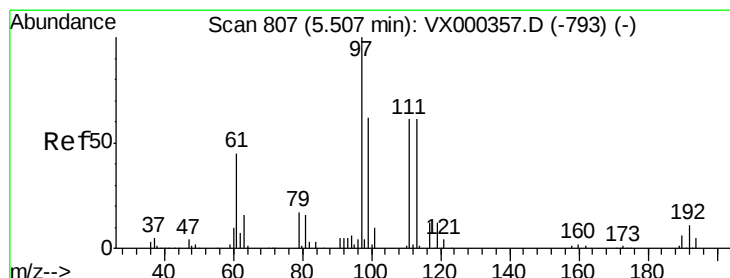
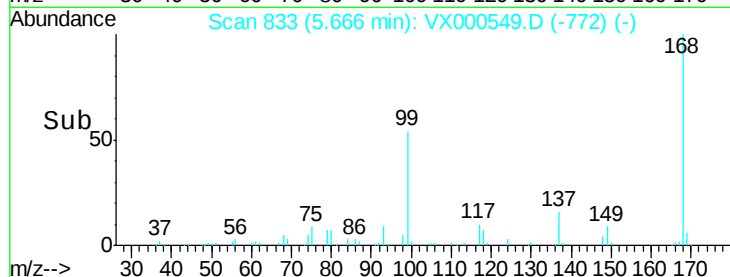
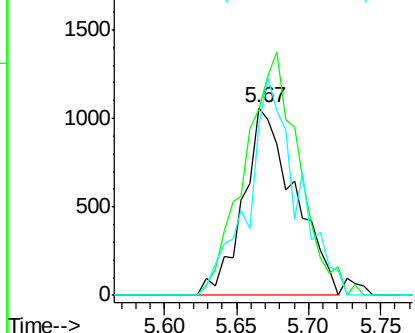
#31
Cyclohexane
Concen: 1.55 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.07 min
Lab File: VX000549.D
Acq: 30 Mar 2018 07:43

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tgt Ion: 56 Resp: 2621
Ion Ratio Lower Upper
56 100
69 98.8 23.4 35.0#
84 90.9 71.0 106.4

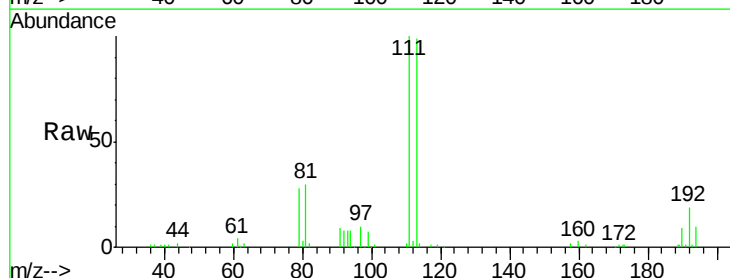


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

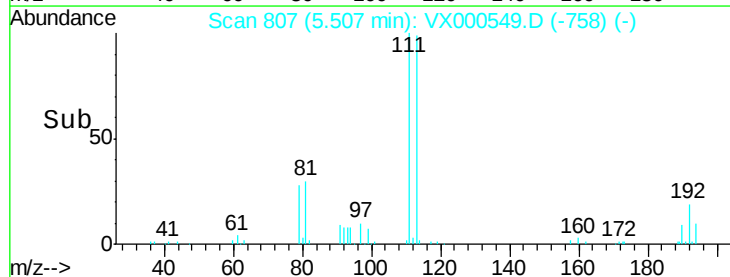
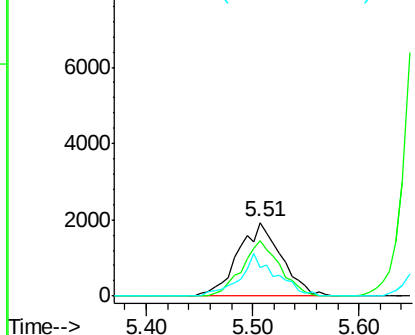


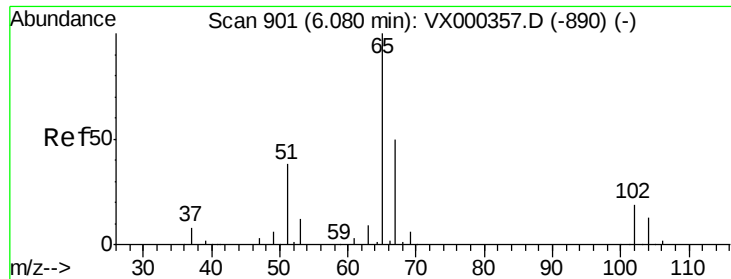
#32
1,1,1-Trichloroethane
Concen: 2.96 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000549.D
Acq: 30 Mar 2018 07:43

Tgt Ion: 97 Resp: 5468
Ion Ratio Lower Upper
97 100
99 65.7 52.1 78.1
61 47.4 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

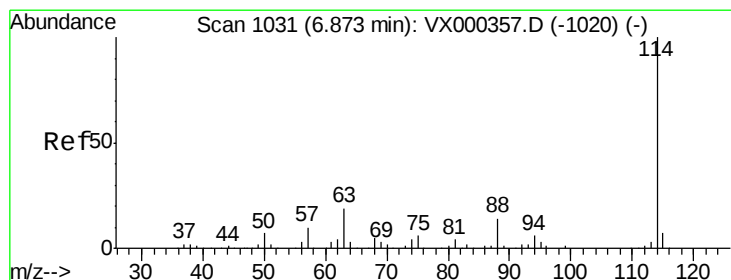
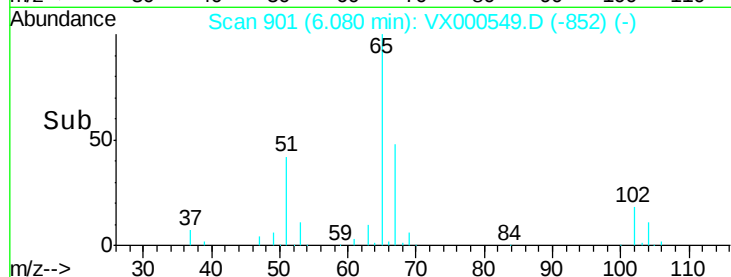
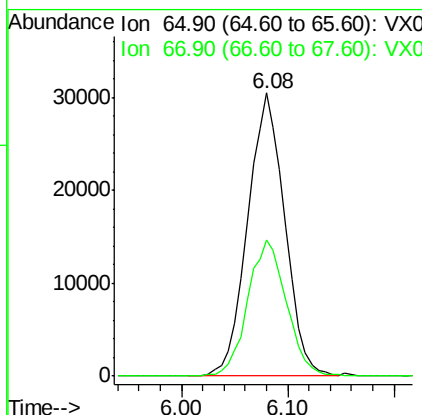
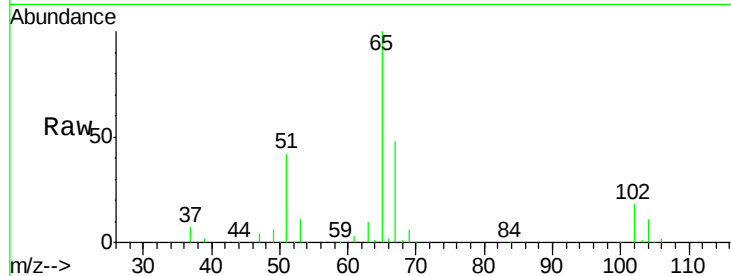




#33
 1,2-Dichloroethane-d4
 Concen: 55.58 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000549.D
 Acq: 30 Mar 2018 07:43

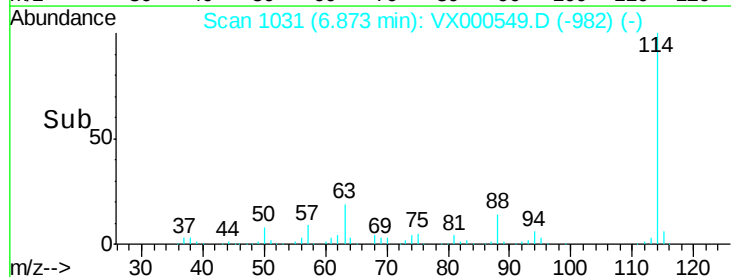
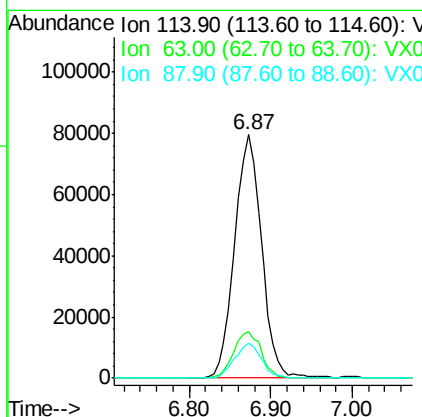
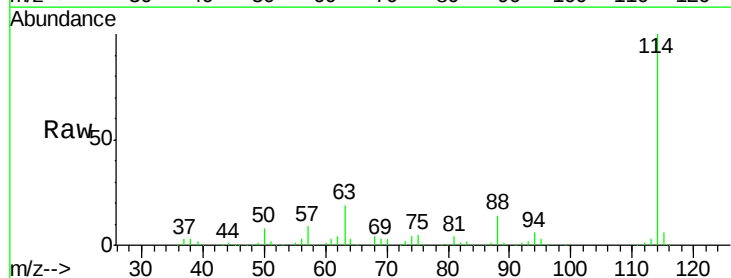
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

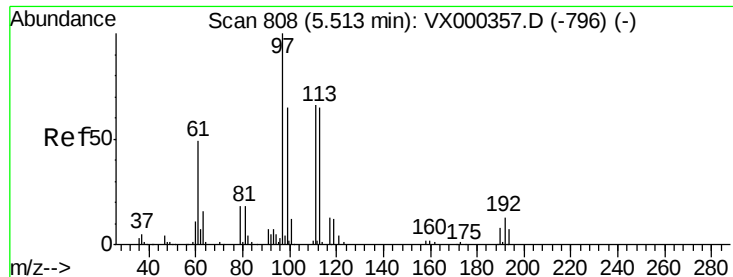
Tgt Ion: 65 Resp: 74531
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000549.D
 Acq: 30 Mar 2018 07:43

Tgt Ion: 114 Resp: 182366
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 14.3 0.0 27.0

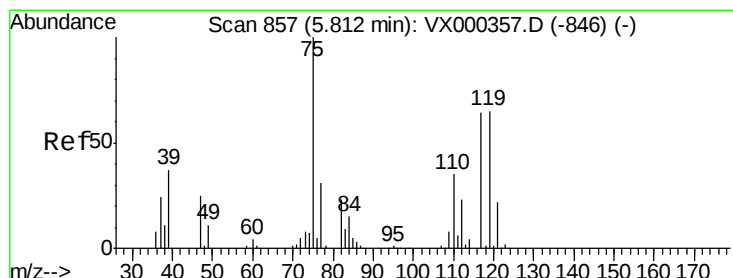
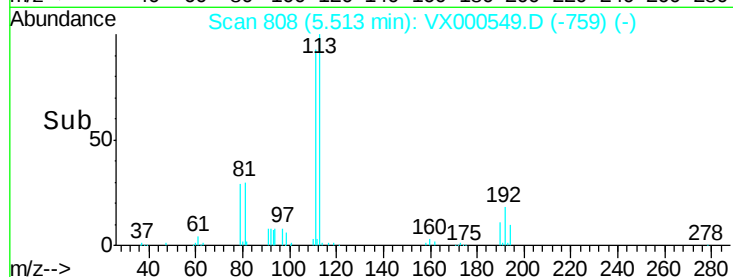
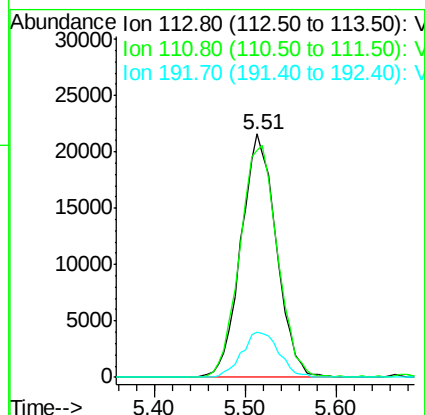
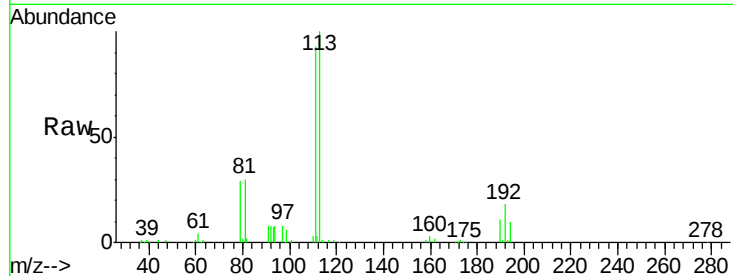




#35
 Dibromofluoromethane
 Concen: 50.73 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000549.D
 Acq: 30 Mar 2018 07:43

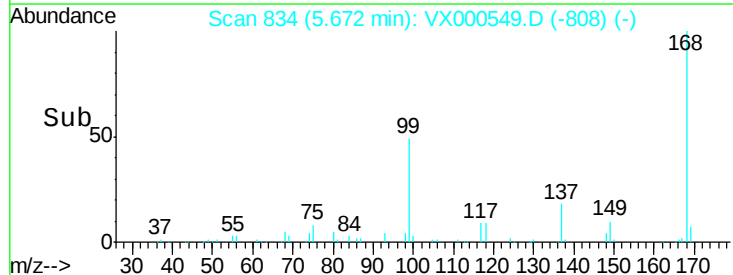
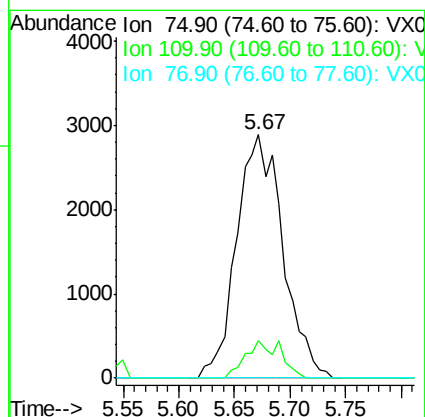
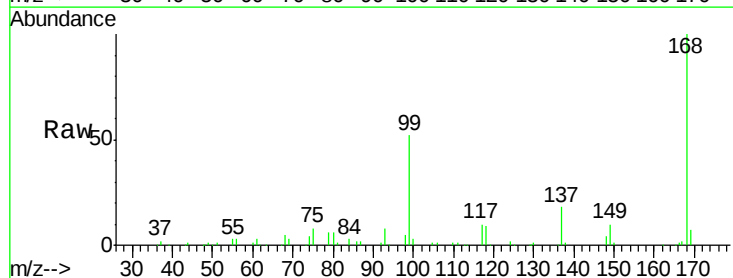
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

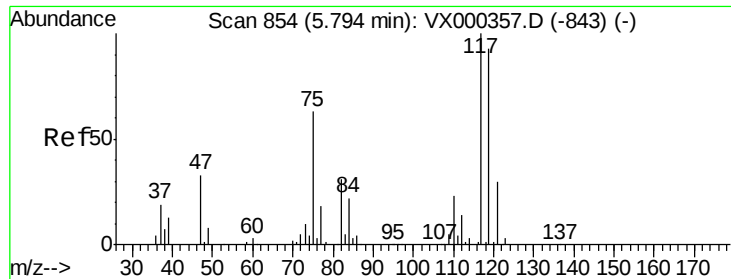
Tgt Ion:113 Resp: 58296
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 19.6 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.89 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000549.D
 Acq: 30 Mar 2018 07:43

Tgt Ion: 75 Resp: 8359
 Ion Ratio Lower Upper
 75 100
 110 11.7 17.9 53.7#
 77 0.0 24.0 36.0#





#38

Carbon Tetrachloride

Concen: 5.85 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000549.D

Acq: 30 Mar 2018 07:43

Instrument :

MSVOA_X

ClientSampled :

MW-3

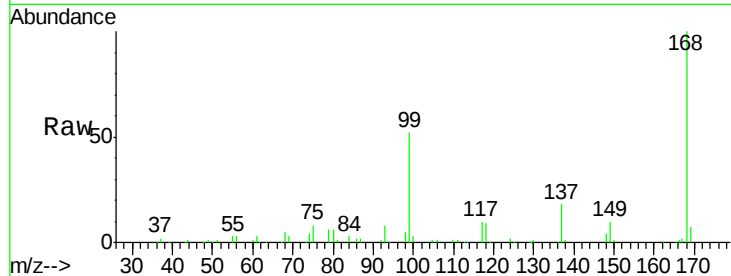
Tgt Ion:117 Resp: 10482

Ion Ratio Lower Upper

117 100

119 3.5 77.4 116.2#

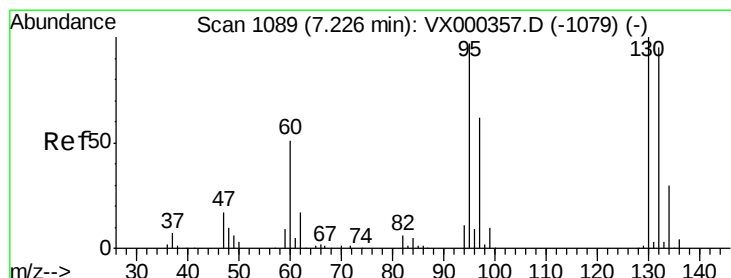
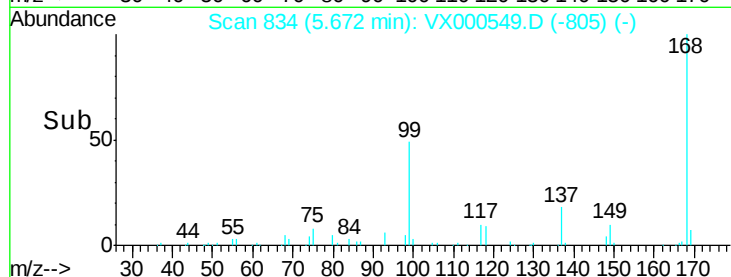
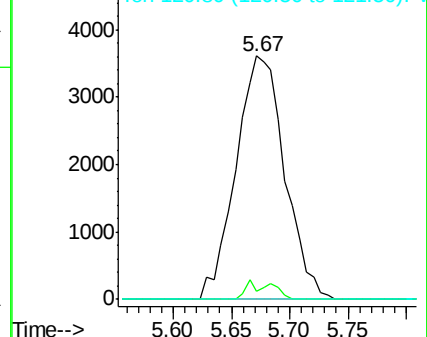
121 0.0 24.8 37.2#



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



#44

Trichloroethene

Concen: 0.27 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VX000549.D

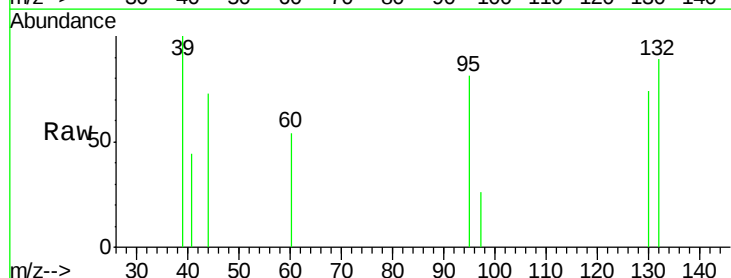
Acq: 30 Mar 2018 07:43

Tgt Ion:130 Resp: 384

Ion Ratio Lower Upper

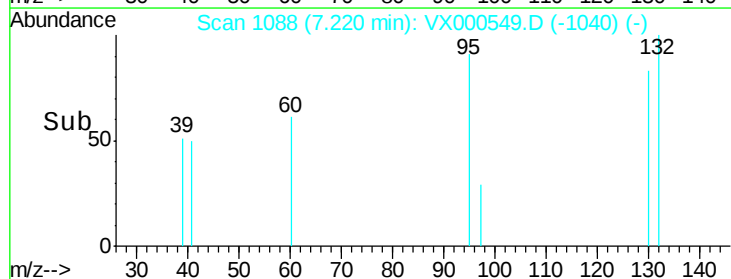
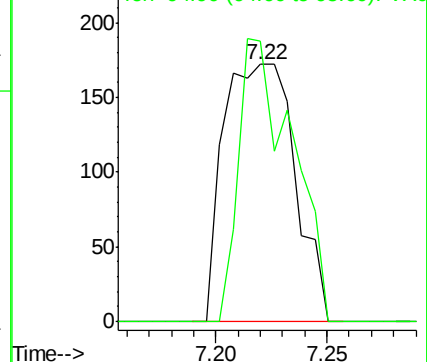
130 100

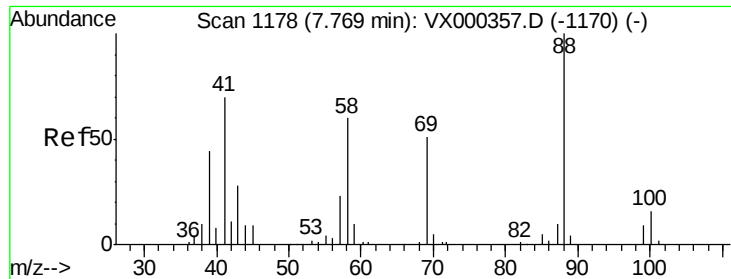
95 109.3 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

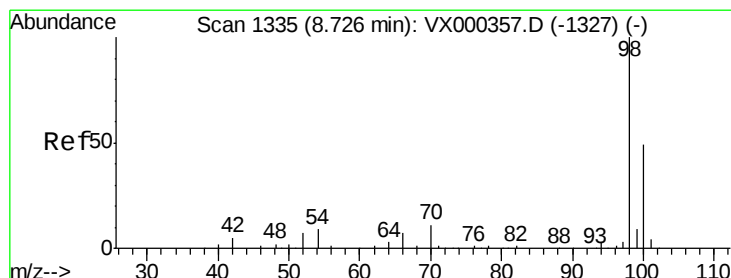
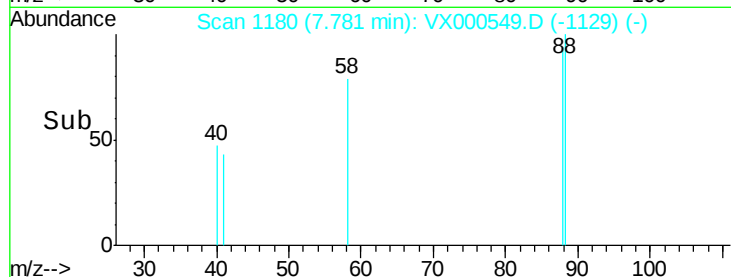
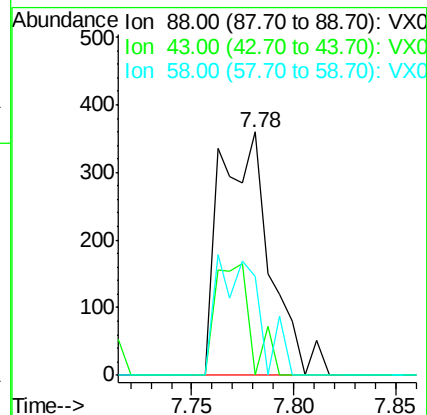
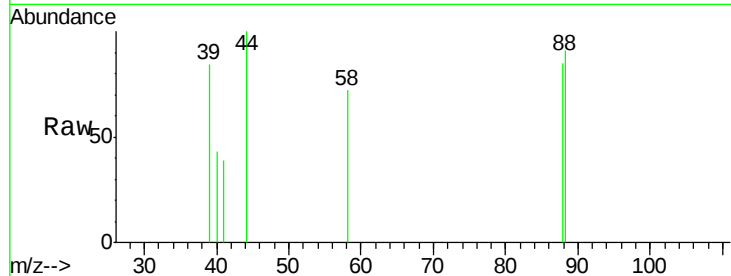




#49
1,4-Dioxane
Concen: 17.27 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VX000549.D
Acq: 30 Mar 2018 07:43

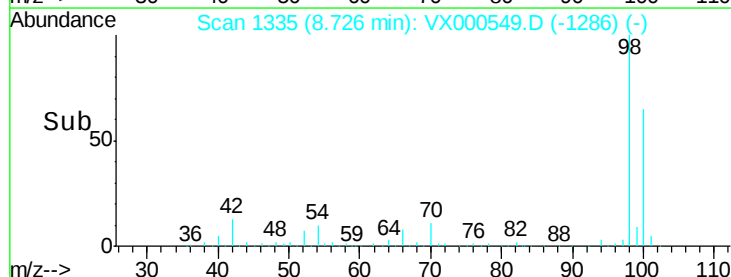
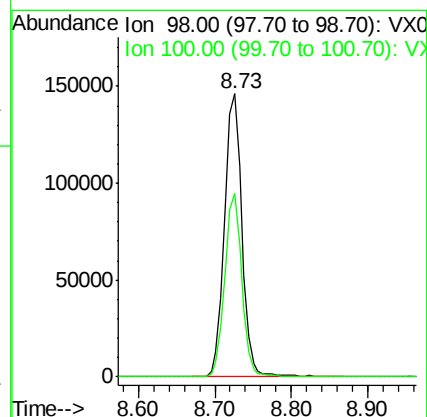
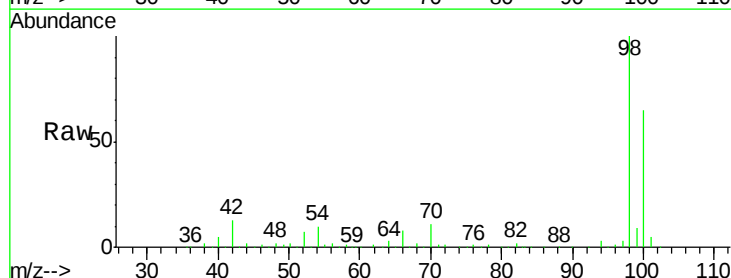
Instrument :
MSVOA_X
ClientSampled :
MW-3

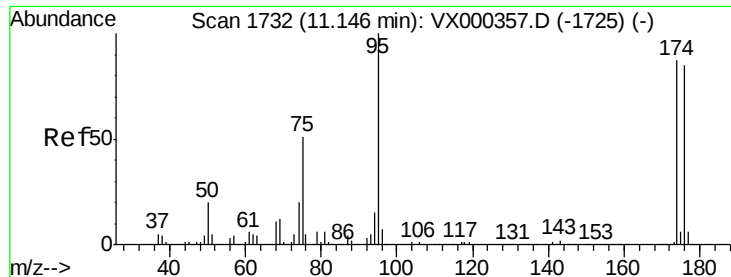
Tgt Ion: 88 Resp: 612
Ion Ratio Lower Upper
88 100
43 32.7 26.8 40.2
58 41.5 52.2 78.2#



#50
Toluene-d8
Concen: 48.89 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000549.D
Acq: 30 Mar 2018 07:43

Tgt Ion: 98 Resp: 232645
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 41.52 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000549.D

Acq: 30 Mar 2018 07:43

Instrument :

MSVOA_X

ClientSampleId :

MW-3

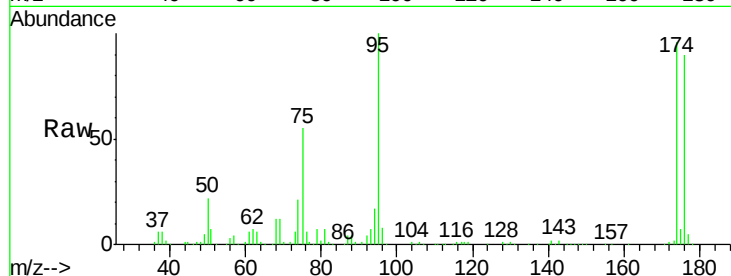
Tgt Ion: 95 Resp: 81103

Ion Ratio Lower Upper

95 100

174 93.7 0.0 173.6

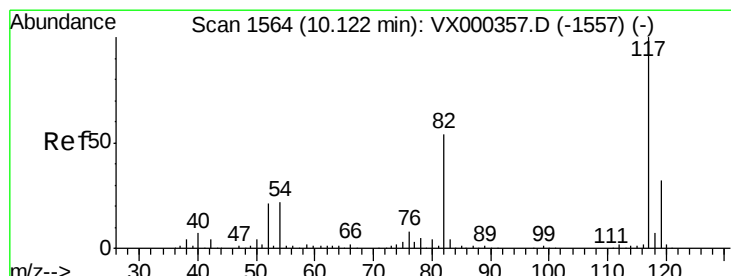
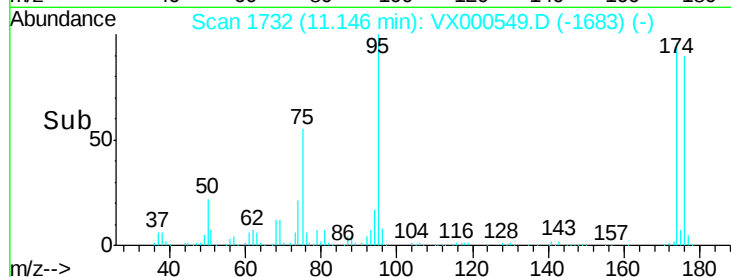
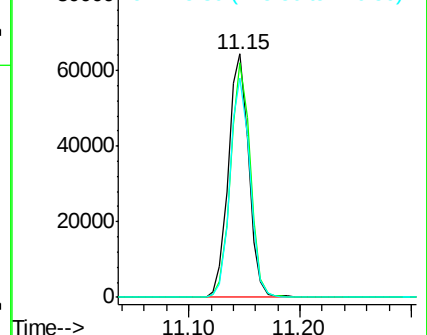
176 88.7 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000549.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000549.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000549.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000549.D

Acq: 30 Mar 2018 07:43

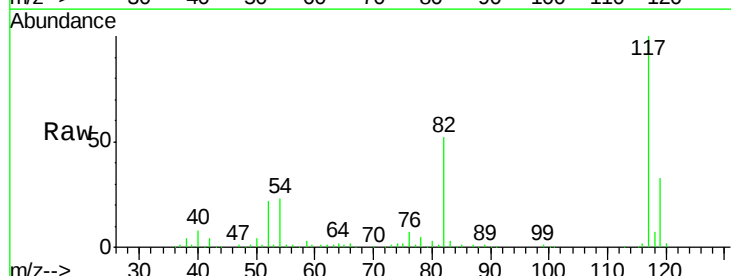
Tgt Ion: 117 Resp: 183626

Ion Ratio Lower Upper

117 100

82 52.0 43.8 65.8

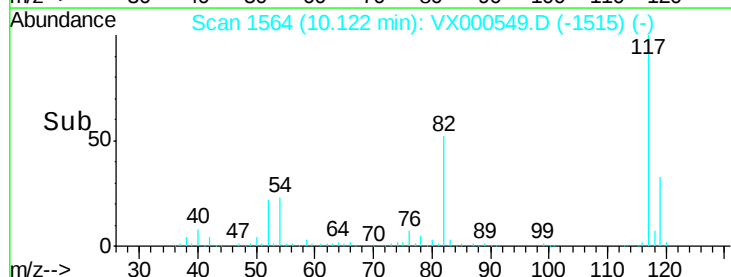
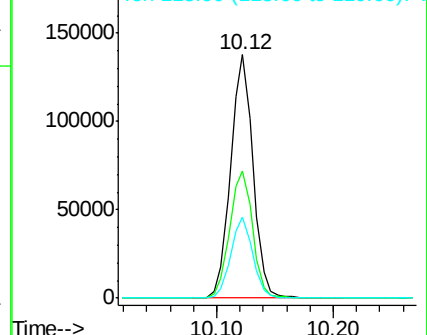
119 33.5 24.9 37.3

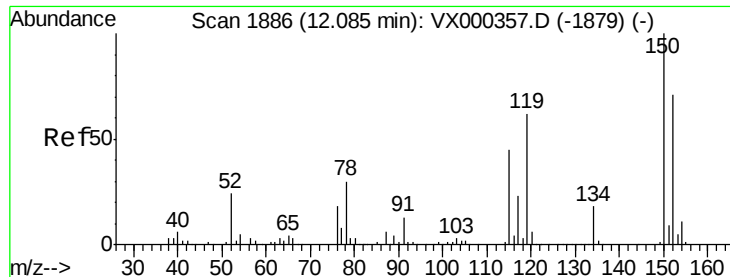


Abundance Ion 116.90 (116.60 to 117.60): VX000549.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000549.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000549.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000549.D

Acq: 30 Mar 2018 07:43

Instrument :

MSVOA_X

ClientSampleId :

MW-3

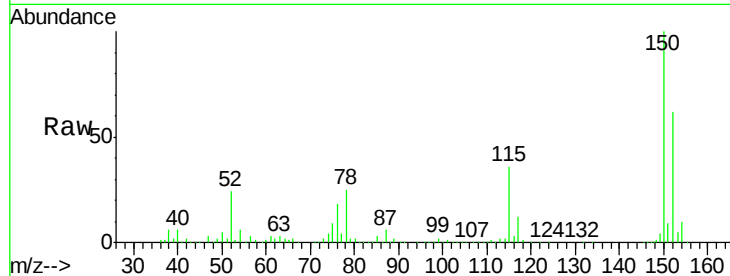
Tgt Ion:152 Resp: 97002

Ion Ratio Lower Upper

152 100

115 56.9 39.8 119.3

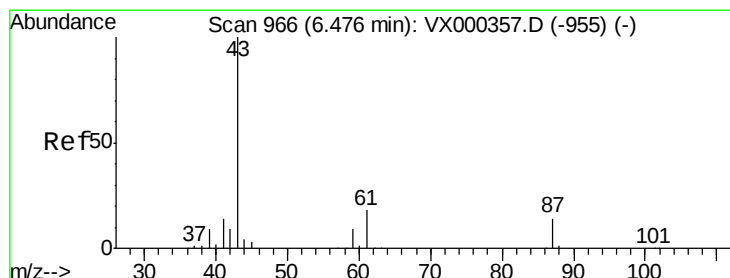
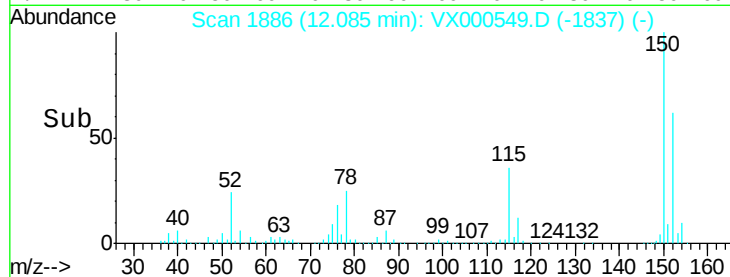
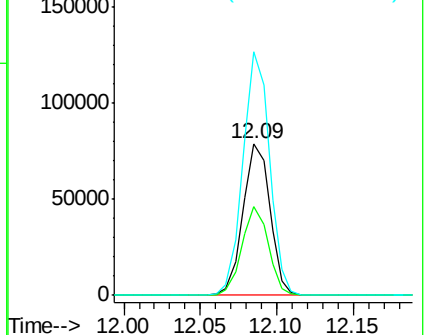
150 157.8 0.0 344.4



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: 6.40 min Scan# 953

Delta R.T. -0.08 min

Lab File: VX000549.D

Acq: 30 Mar 2018 07:43

Tgt Ion: 43 Resp: 72

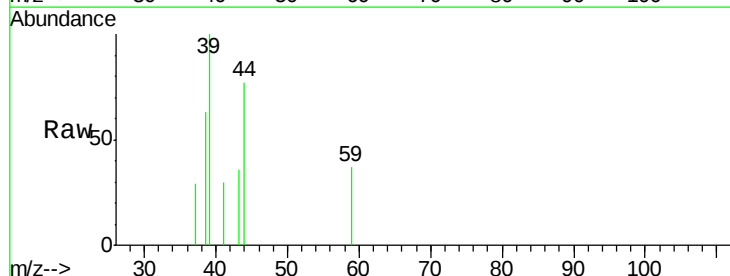
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 134.7 0.0 0.0#

61 0.0 14.4 21.6#

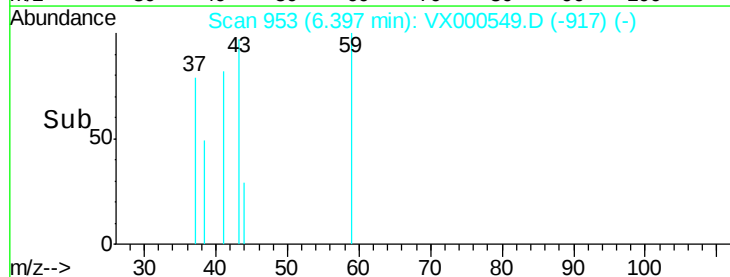
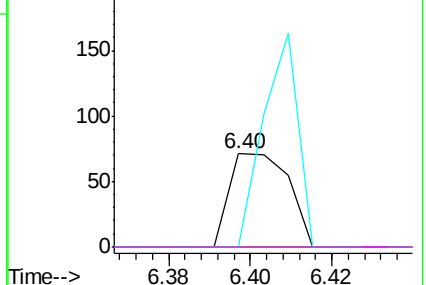


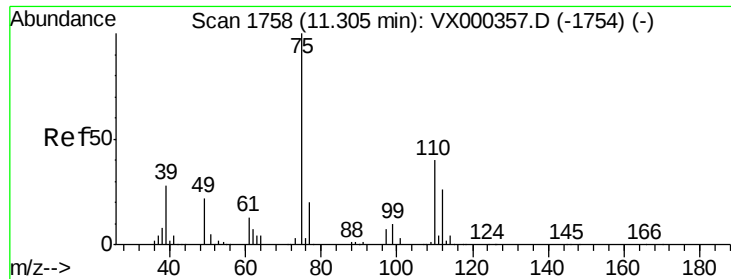
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

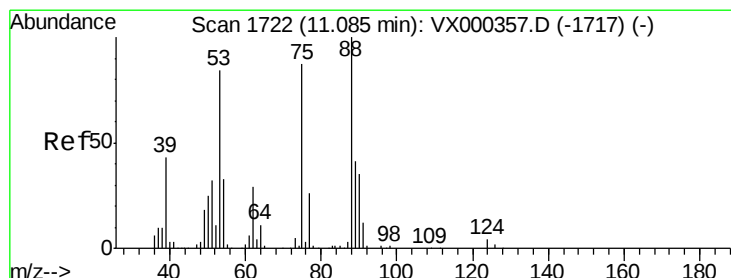
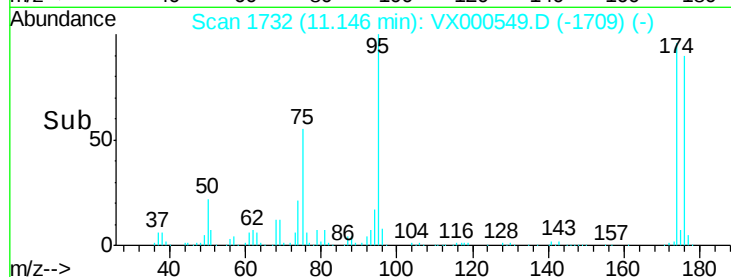
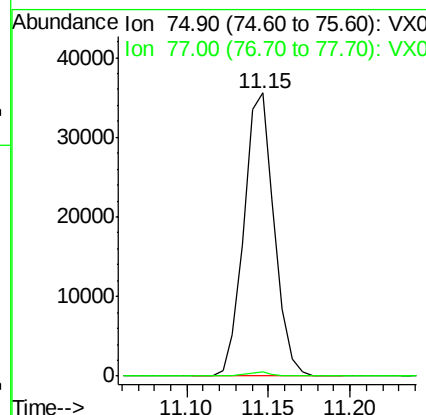
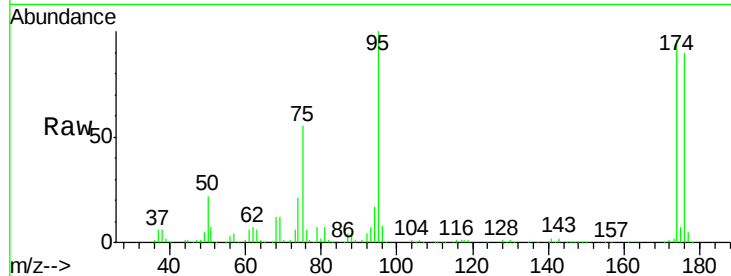




#76
 1,2,3-Trichloropropane
 Concen: 21.96 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000549.D
 Acq: 30 Mar 2018 07:43

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Tgt Ion: 75 Resp: 45770
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.08 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000549.D
 Acq: 30 Mar 2018 07:43

Tgt Ion: 75 Resp: 45770
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.7 121.1#
 89 1.2 39.4 59.0#

