

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003695.D
 Acq On : 27 Jul 2018 03:47
 Operator : JC/SP
 Sample : J4154-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506

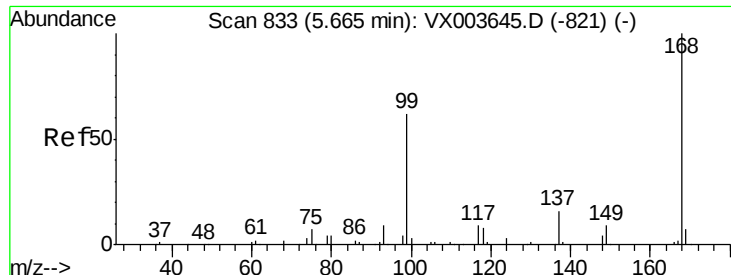
Quant Time: Jul 27 06:44:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	83659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	131901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	130718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	70487	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	73709	59.48	ug/l	0.00
Spiked Amount			Recovery	=	118.96%	
35) Dibromofluoromethane	5.51	113	59330	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
50) Toluene-d8	8.72	98	217508	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
62) 4-Bromofluorobenzene	11.14	95	77706	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	1093	3.00	ug/l #	42
13) Acrolein	2.40	56	696	8.60	ug/l	98
16) Acetone	2.45	43	3070	5.27	ug/l	94
31) Cyclohexane	5.57	56	454	0.27	ug/l #	78
36) 1,1-Dichloropropene	5.67	75	5974	3.87	ug/l #	49
38) Carbon Tetrachloride	5.67	117	7831	5.27	ug/l #	15
39) Methylcyclohexane	7.46	83	355	0.21	ug/l #	61
40) Benzene	6.15	78	49098	10.76	ug/l	99
41) Methacrylonitrile	5.24	41	249	0.24	ug/l #	33
42) 1,2-Dichloroethane	6.15	62	404	0.25	ug/l #	75
51) 4-Methyl-2-Pentanone	8.71	43	934	0.51	ug/l #	1
55) 1,1,2-Trichloroethane	9.33	97	291	0.25	ug/l #	15
67) Ethyl Benzene	10.26	91	15154	2.75	ug/l	99
68) m/p-Xylenes	10.37	106	3524	1.67	ug/l	98
73) Isopropylbenzene	11.02	105	1894	0.39	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	39542	26.75	ug/l #	35
78) n-propylbenzene	11.36	91	1477	0.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	39542	82.87	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	3786	0.90	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.82	75	175	0.47	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003695.D

Acq: 27 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

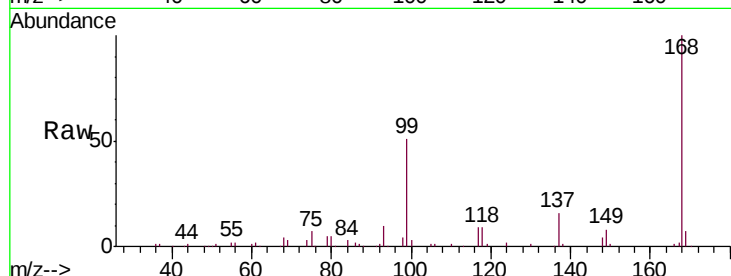
FL-0506

Tot Ion:168 Resp: 83659

Ion Ratio Lower Upper

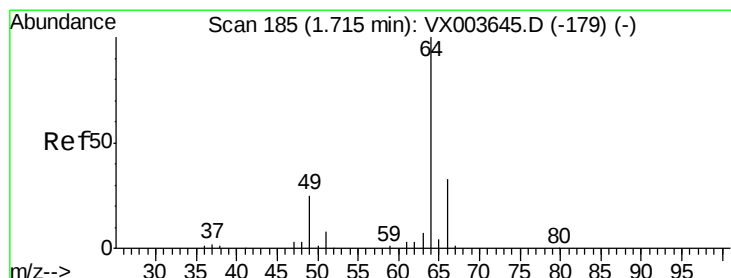
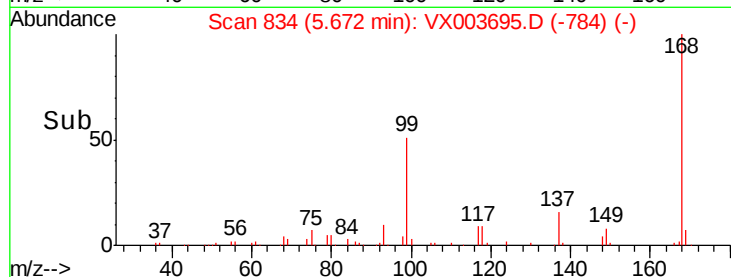
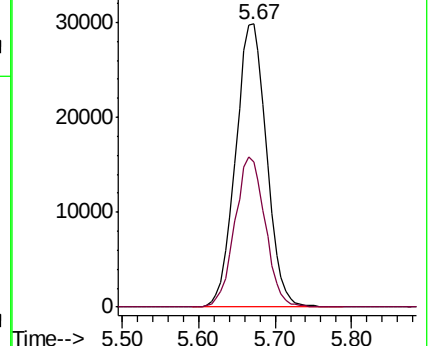
168 100

99 51.1 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 3.00 ug/l

RT: 1.61 min Scan# 168

Delta R.T. -0.10 min

Lab File: VX003695.D

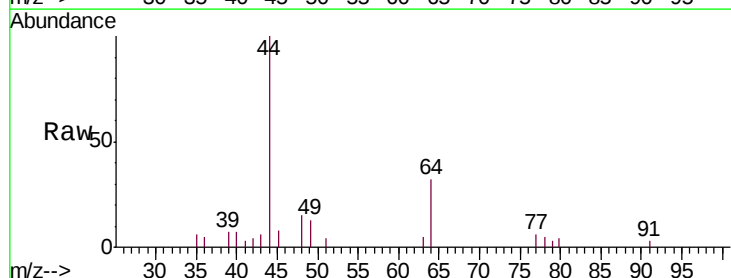
Acq: 27 Jul 2018 03:47

Tgt Ion: 64 Resp: 1093

Ion Ratio Lower Upper

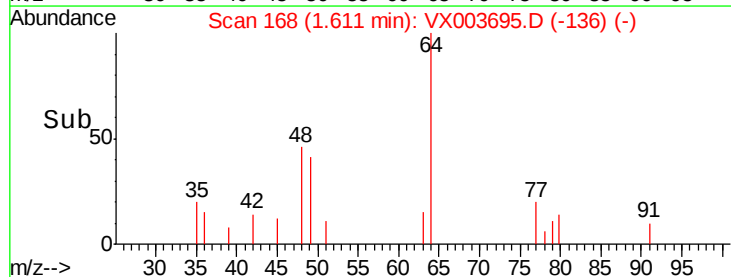
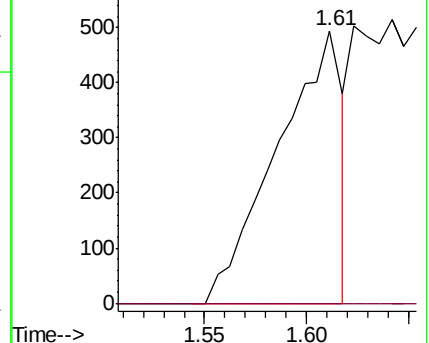
64 100

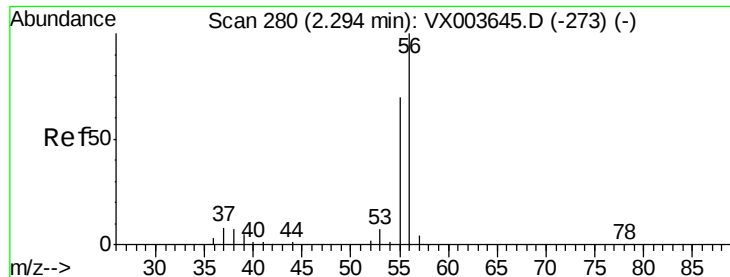
66 0.0 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 8.60 ug/l

RT: 2.40 min Scan# 297

Delta R.T. 0.10 min

Lab File: VX003695.D

Acq: 27 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

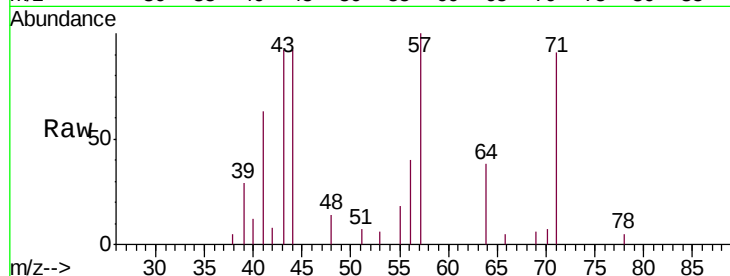
FL-0506

Tot Ion: 56 Resp: 696

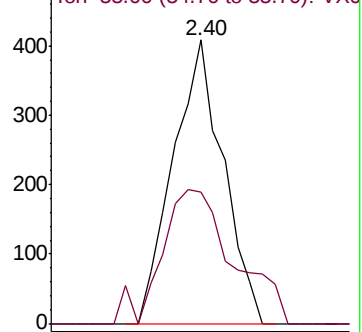
Ion Ratio Lower Upper

56 100

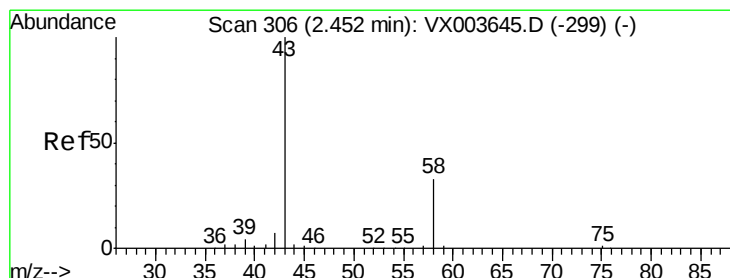
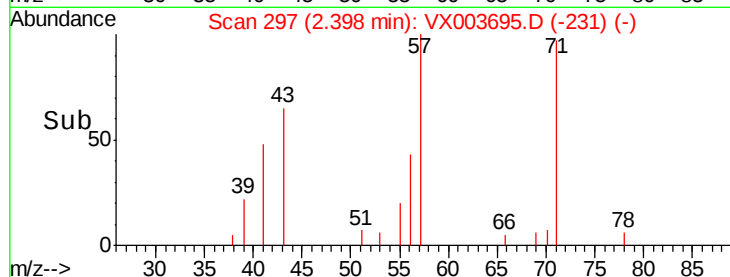
55 68.0 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VX0



Time-->



#16

Acetone

Concen: 5.27 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003695.D

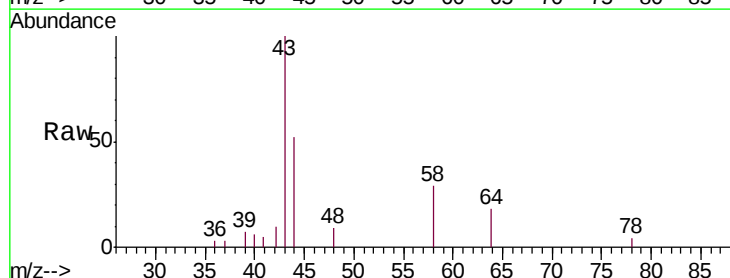
Acq: 27 Jul 2018 03:47

Tgt Ion: 43 Resp: 3070

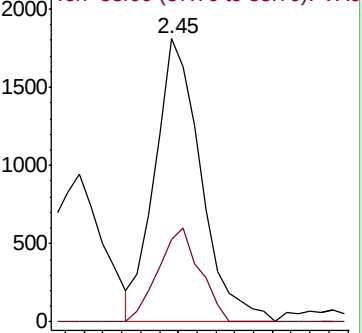
Ion Ratio Lower Upper

43 100

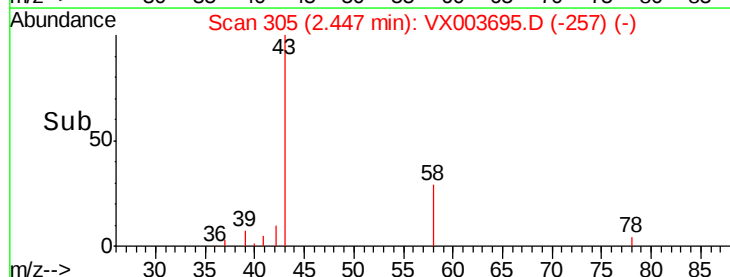
58 29.2 26.1 39.1

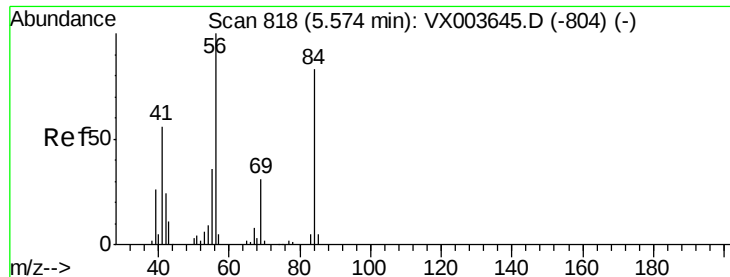


Abundance Ion 43.00 (42.70 to 43.70): VX0



Time-->





#31

Cyclohexane

Concen: 0.27 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003695.D

Acq: 27 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

FL-0506

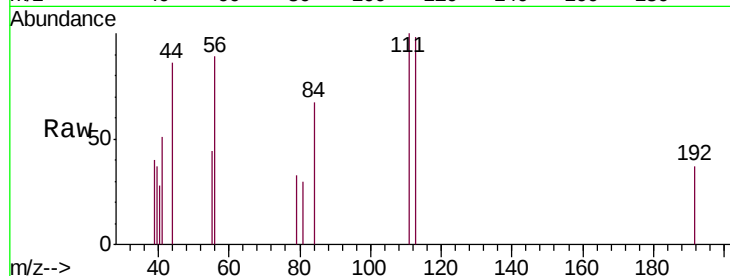
Tot Ion: 56 Resp: 454

Ion Ratio Lower Upper

56 100

69 0.0 25.0 37.6#

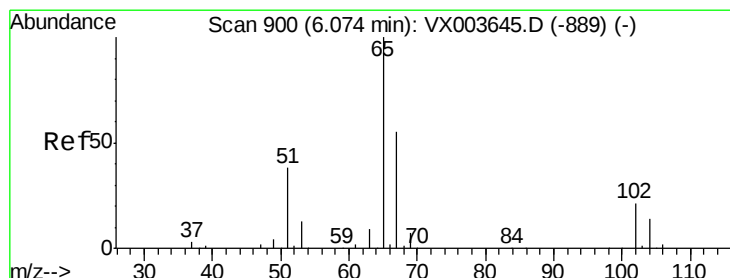
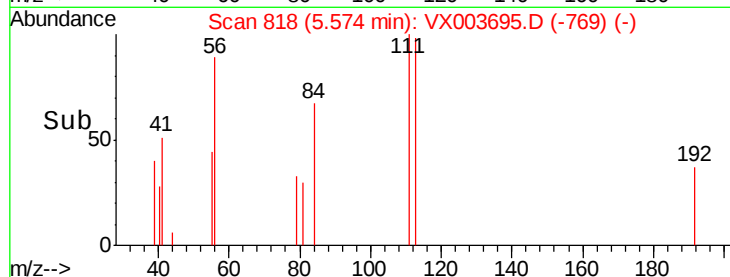
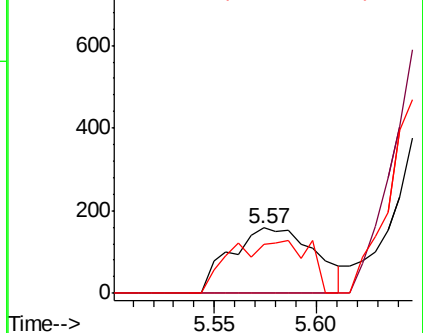
84 74.7 66.5 99.7



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: 59.48 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003695.D

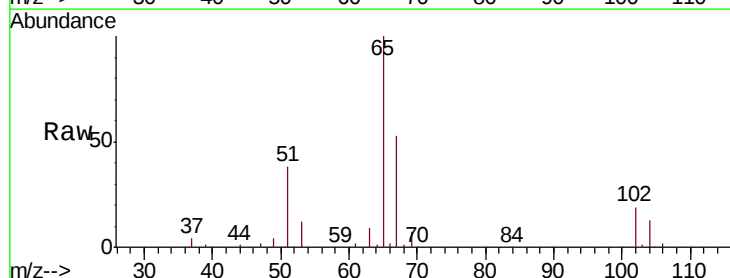
Acq: 27 Jul 2018 03:47

Tgt Ion: 65 Resp: 73709

Ion Ratio Lower Upper

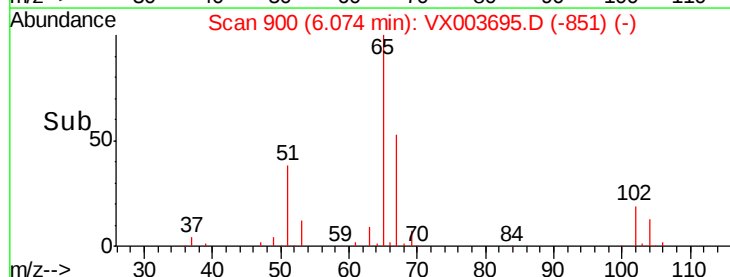
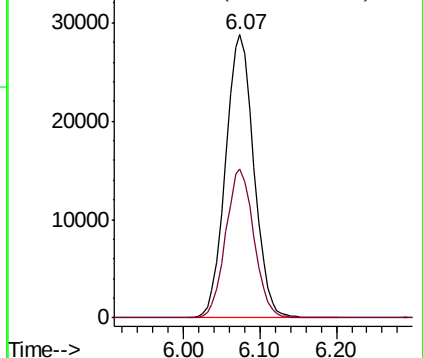
65 100

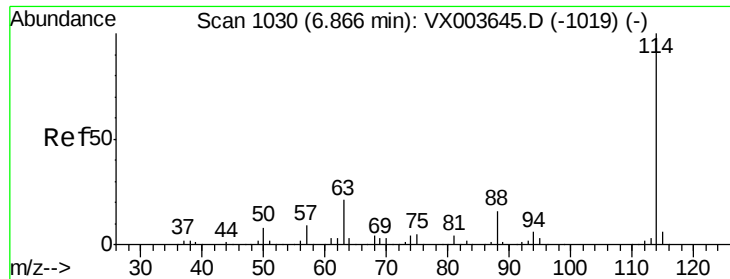
67 52.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

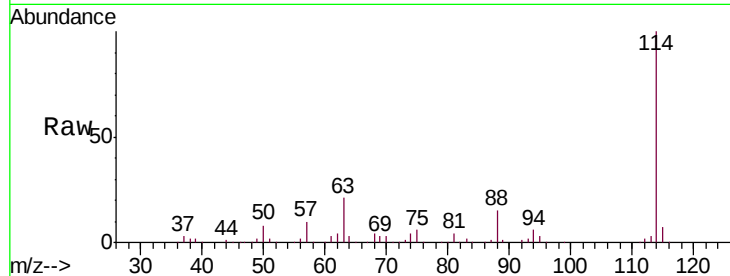




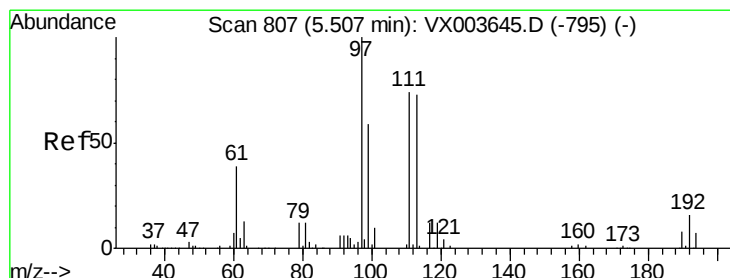
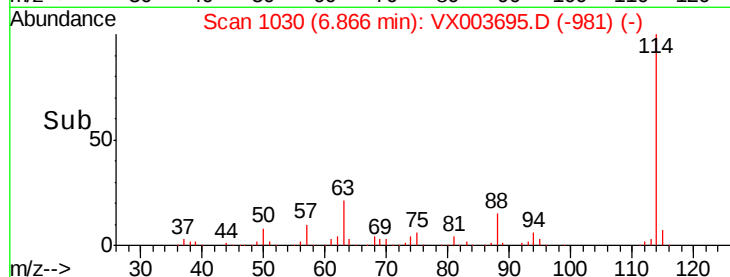
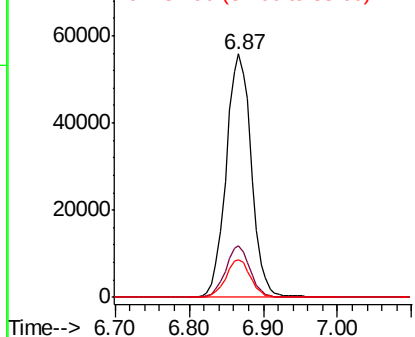
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

Instrument :
MSVOA_X
ClientSampleId :
FL-0506

Tot Ion:114 Resp: 131901
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.0
88 15.4 0.0 31.8

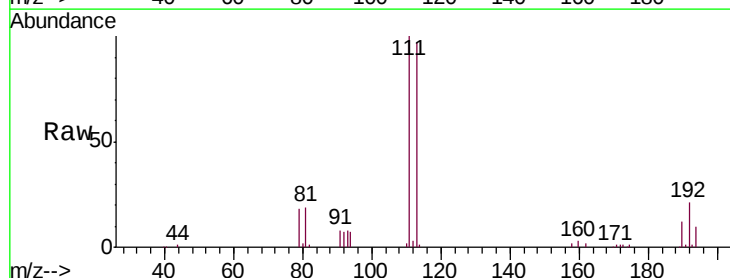


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

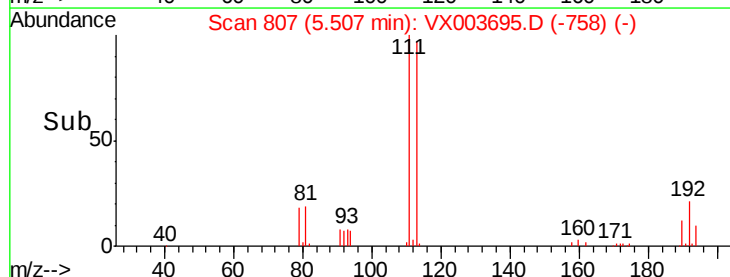
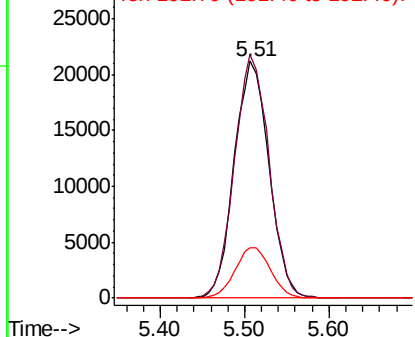


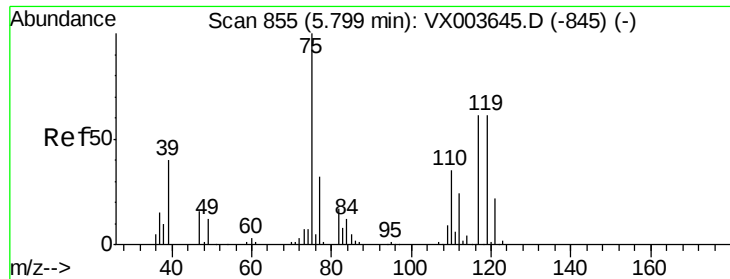
#35
Dibromofluoromethane
Concen: 55.02 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

Tgt Ion:113 Resp: 59330
Ion Ratio Lower Upper
113 100
111 102.1 81.2 121.8
192 21.7 18.2 27.4



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

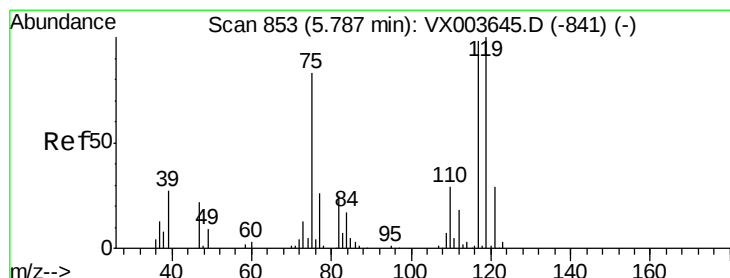
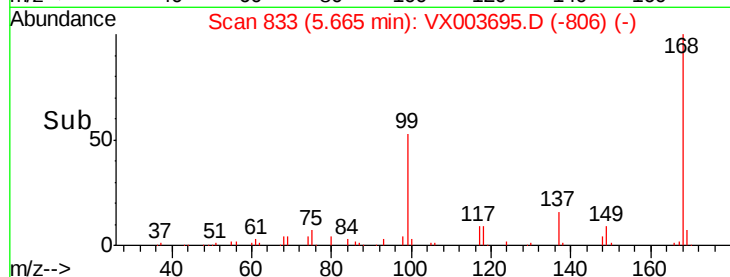
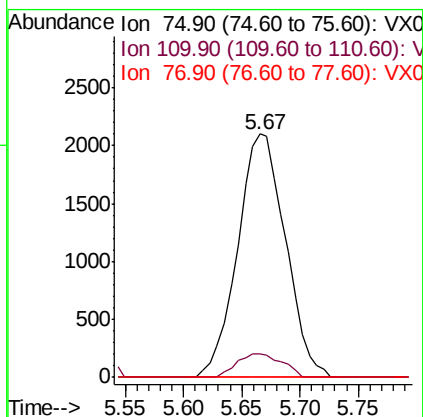
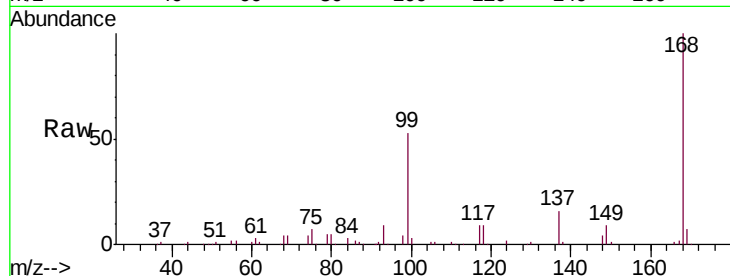




#36
 1,1-Dichloropropene
 Concen: 3.87 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003695.D
 Acq: 27 Jul 2018 03:47

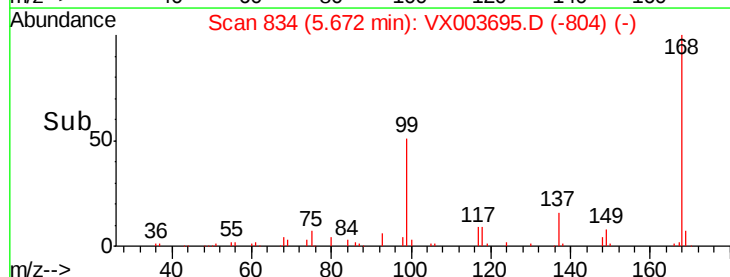
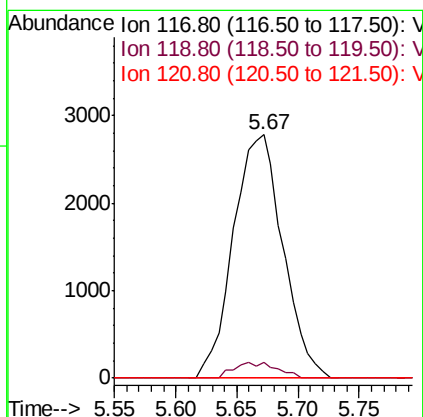
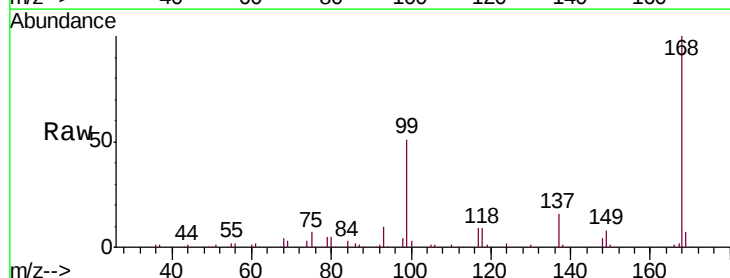
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0506

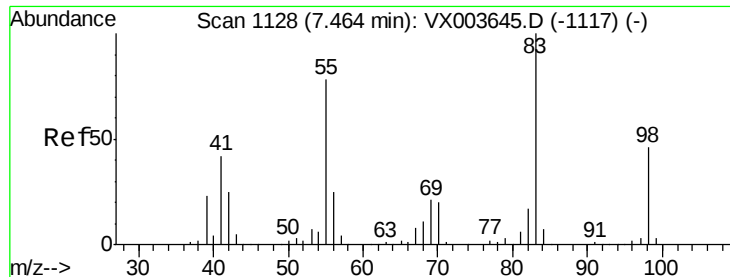
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.1#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.27 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX003695.D
 Acq: 27 Jul 2018 03:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	81.0	121.4#
121	0.0	23.7	35.5#

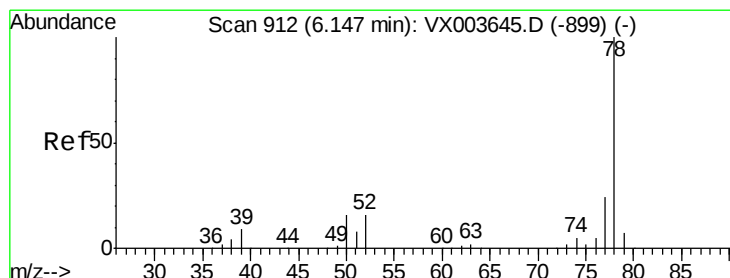
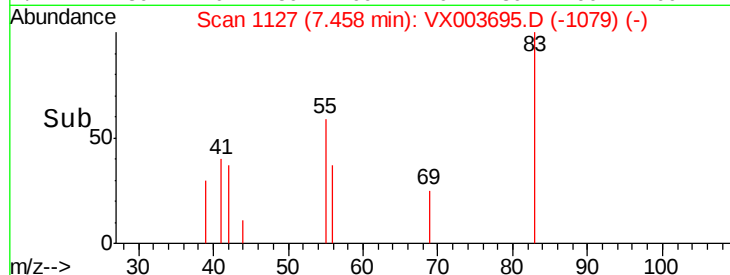
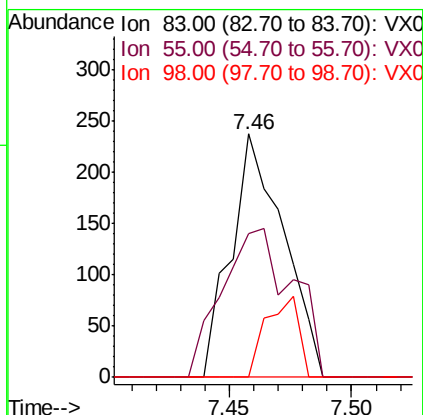
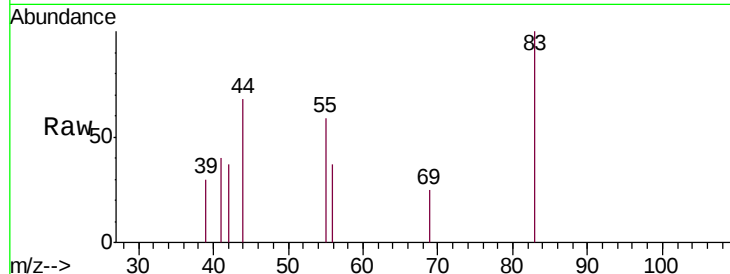




#39
Methvlcvclohexane
Concen: 0.21 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

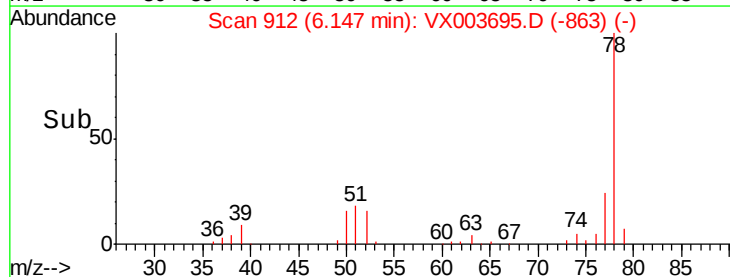
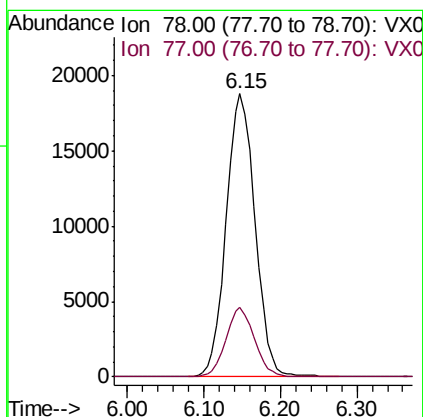
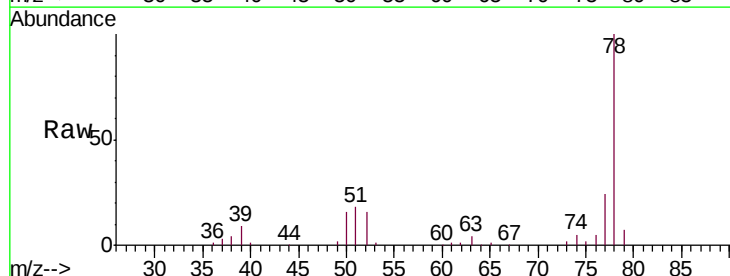
Instrument :
MSVOA_X
ClientSampled :
FL-0506

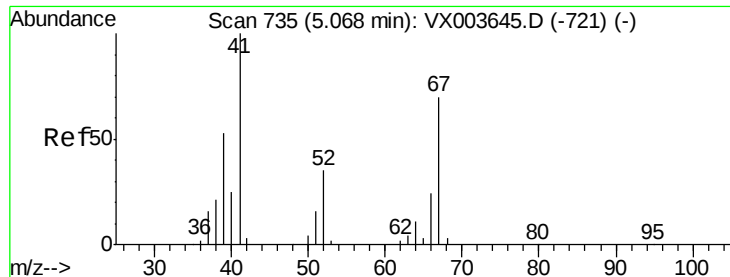
Tot Ion: 83 Resp: 355
Ion Ratio Lower Upper
83 100
55 59.2 62.6 93.8#
98 0.0 36.6 55.0#



#40
Benzene
Concen: 10.76 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

Tgt Ion: 78 Resp: 49098
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6





#41

Methacrylonitrile

Concen: 0.24 ug/l

RT: 5.24 min Scan# 763

Delta R.T. 0.17 min

Lab File: VX003695.D

Acq: 27 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

FL-0506

Tot Ion: 41 Resp: 249

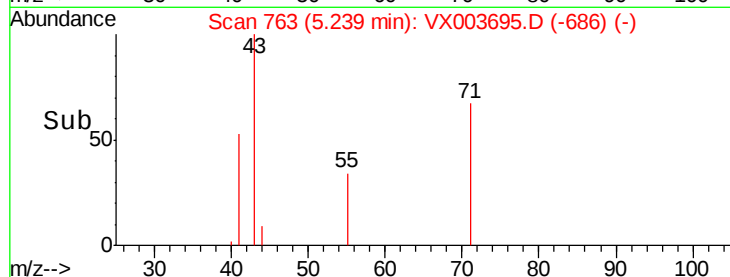
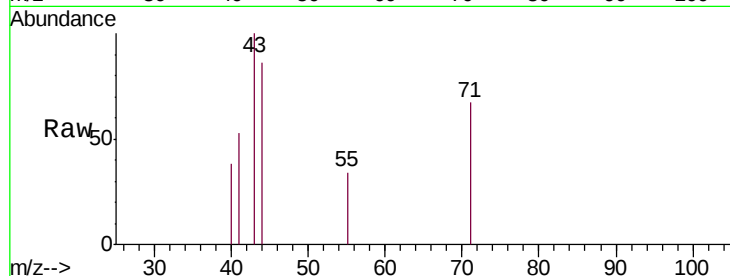
Ion Ratio Lower Upper

41 100

39 18.1 42.2 63.4#

67 0.0 56.6 84.8#

52 0.0 24.0 36.0#

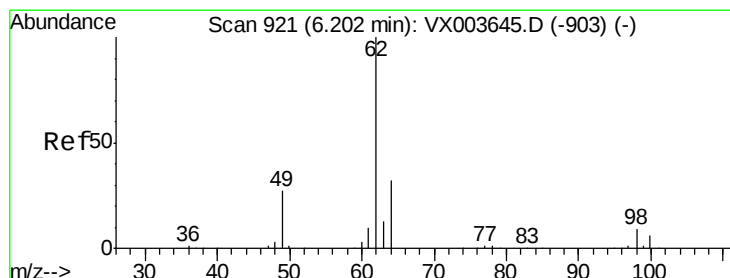
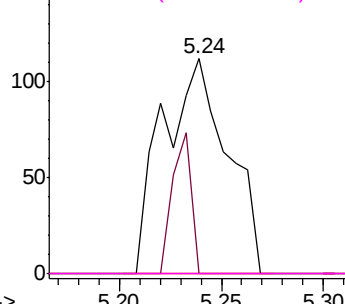


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 0.25 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.05 min

Lab File: VX003695.D

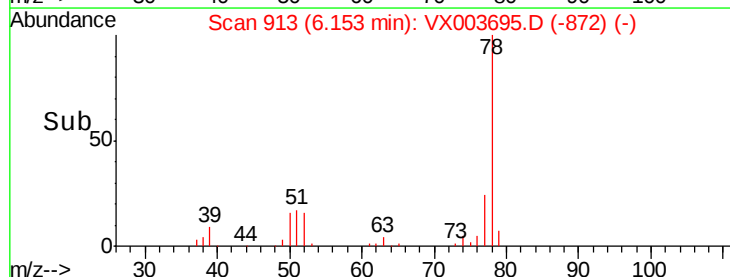
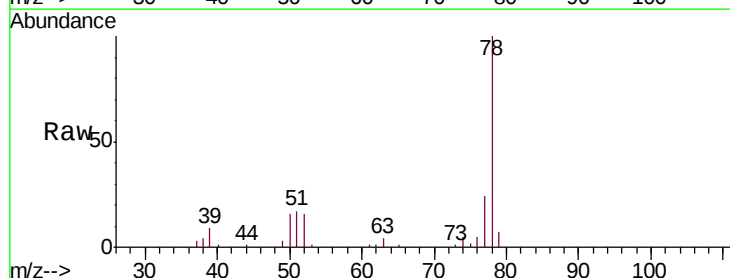
Acq: 27 Jul 2018 03:47

Tgt Ion: 62 Resp: 404

Ion Ratio Lower Upper

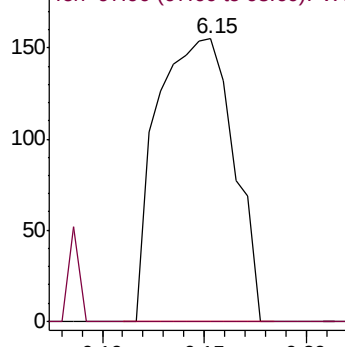
62 100

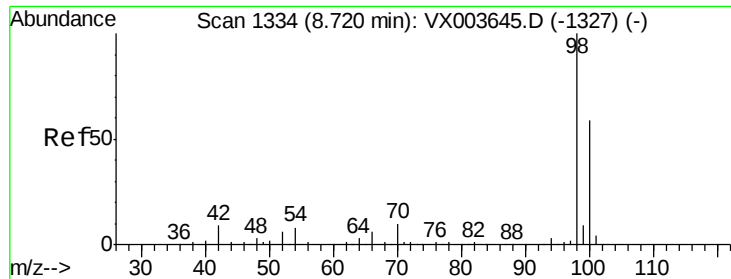
98 0.0 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

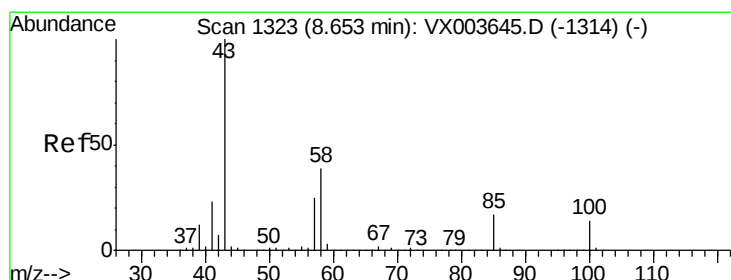
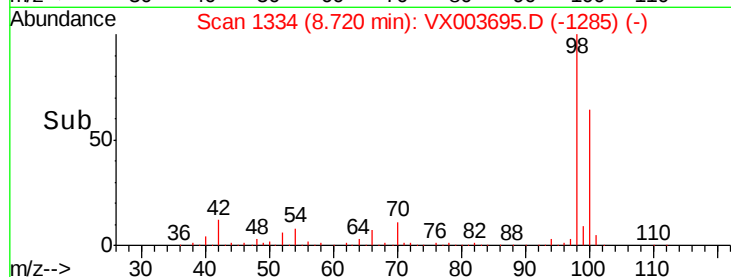
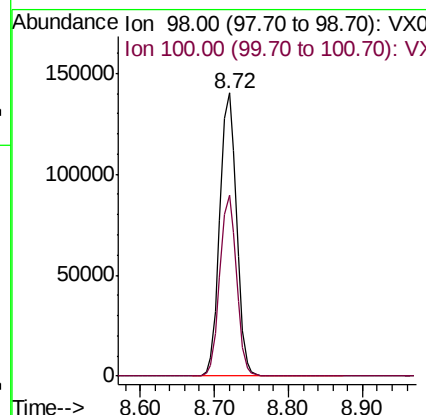
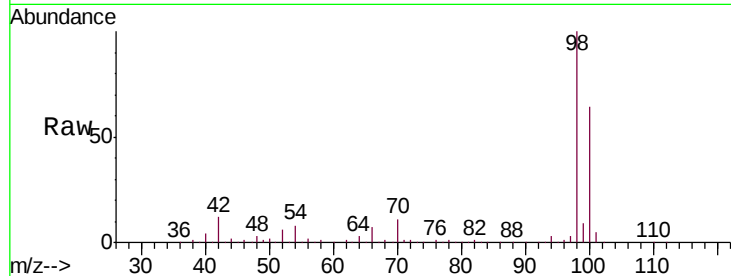




#50
Toluene-d8
Concen: 52.86 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

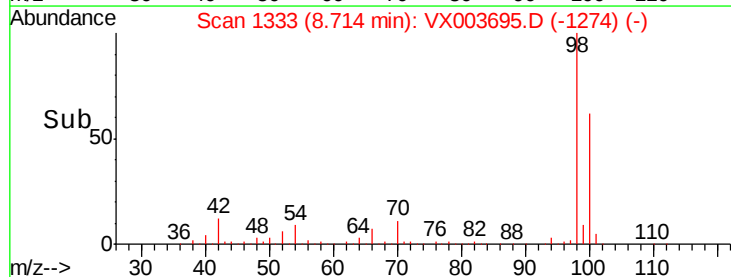
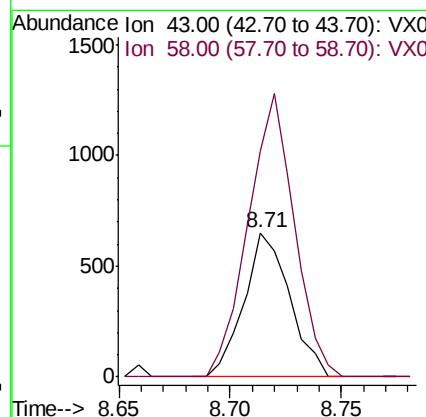
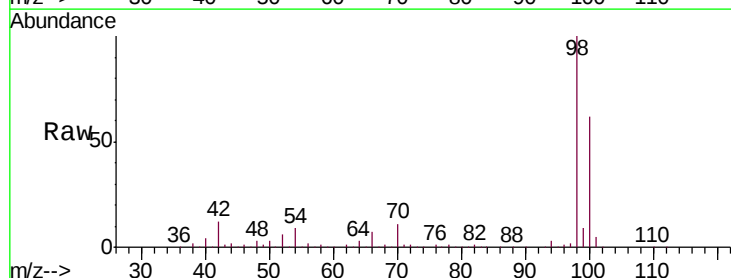
Instrument :
MSVOA_X
ClientSampleId :
FL-0506

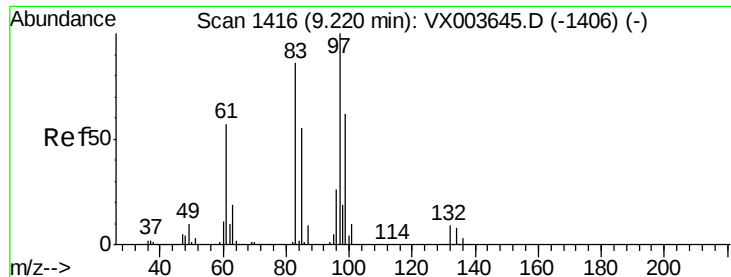
Tot Ion: 98 Resp: 217508
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.06 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
58 197.8 31.5 47.3#

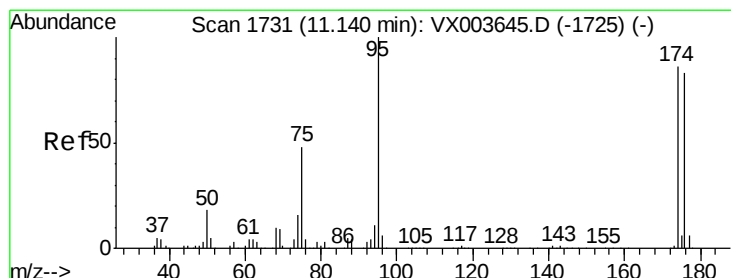
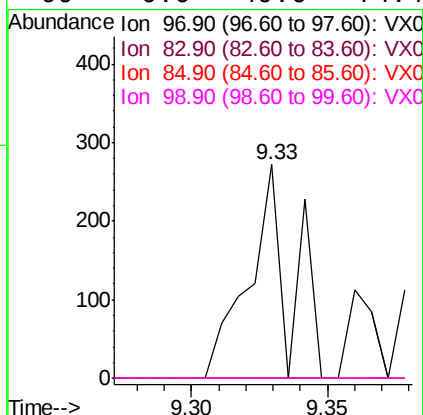
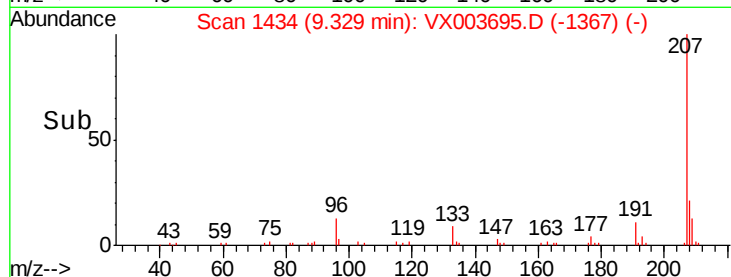
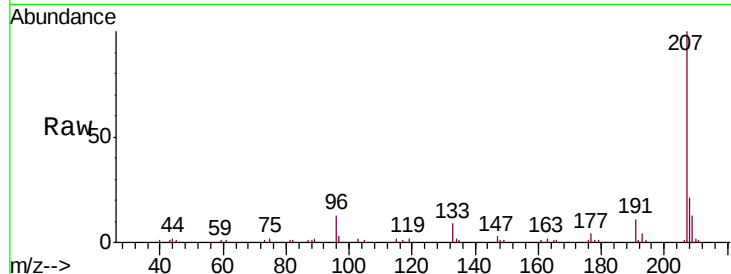




#55
 1,1,2-Trichloroethane
 Concen: 0.25 ug/l
 RT: 9.33 min Scan# 1434
 Delta R.T. 0.11 min
 Lab File: VX003695.D
 Acq: 27 Jul 2018 03:47

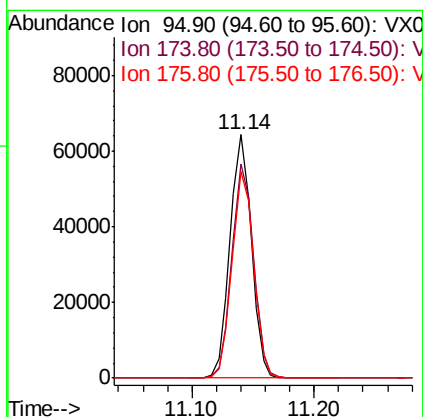
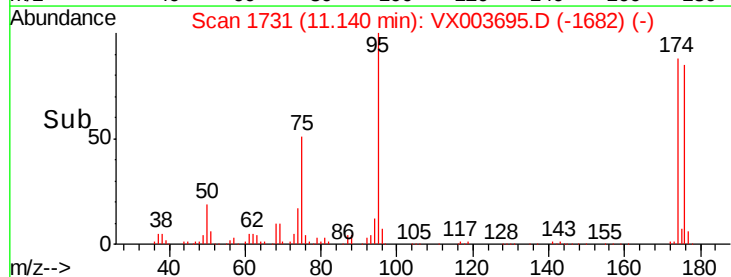
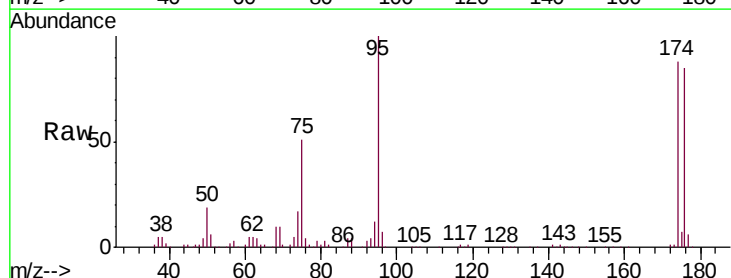
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506

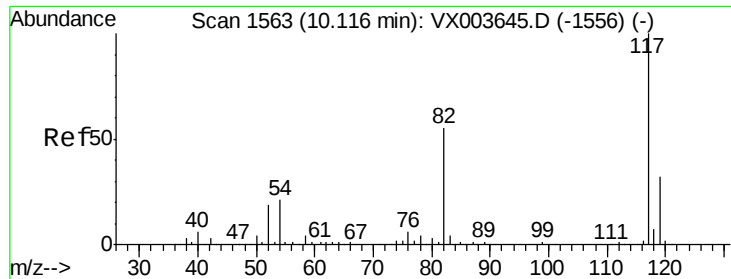
Tot Ion: 97 Resp: 291
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.7 103.1#
 85 0.0 43.7 65.5#
 99 0.0 49.6 74.4#



#62
 4-Bromofluorobenzene
 Concen: 51.77 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003695.D
 Acq: 27 Jul 2018 03:47

Tgt Ion: 95 Resp: 77706
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 179.0
 176 85.2 0.0 173.0

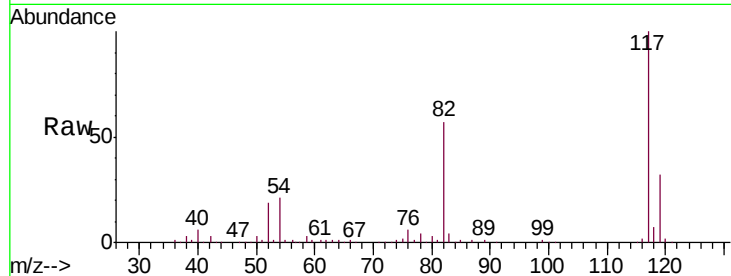




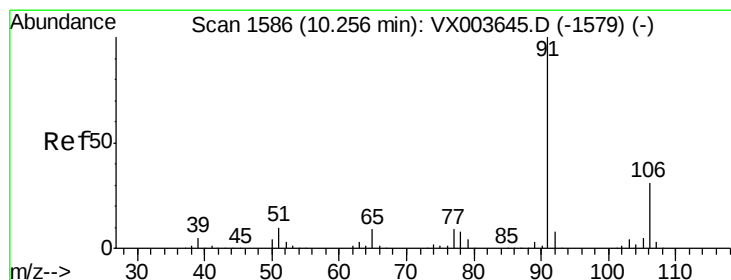
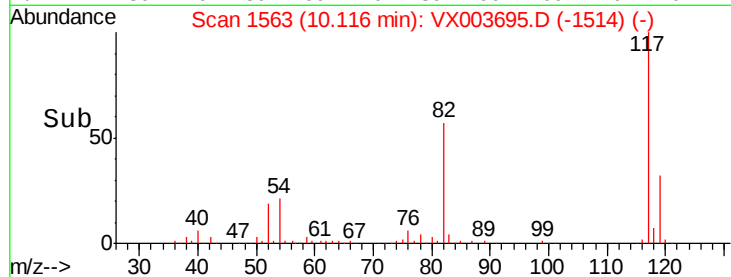
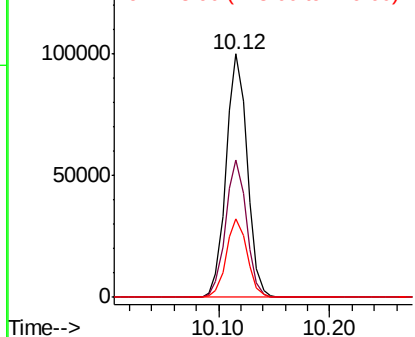
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

Instrument :
MSVOA_X
ClientSampled :
FL-0506

Tot Ion:117 Resp: 130718
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 32.3 25.6 38.4

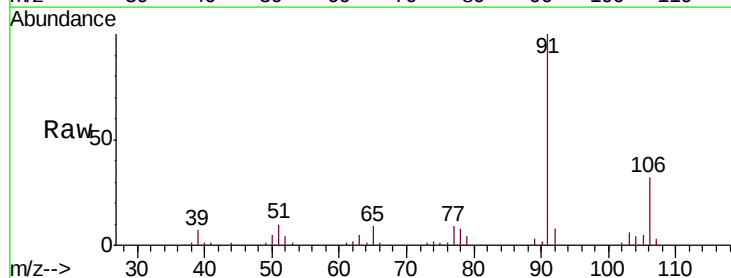


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

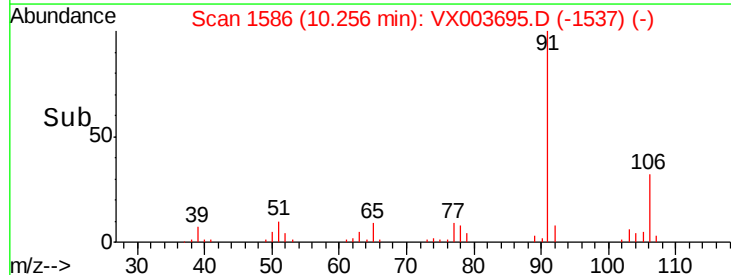
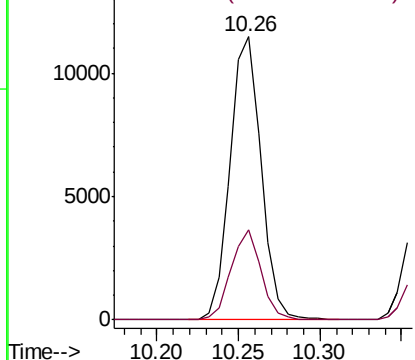


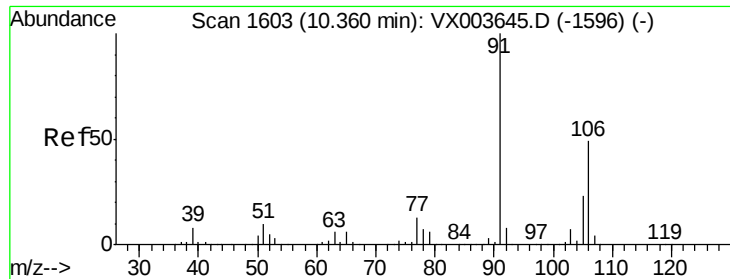
#67
Ethyl Benzene
Concen: 2.75 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

Tgt Ion: 91 Resp: 15154
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

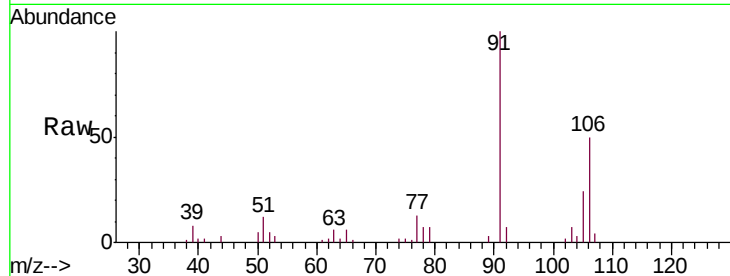




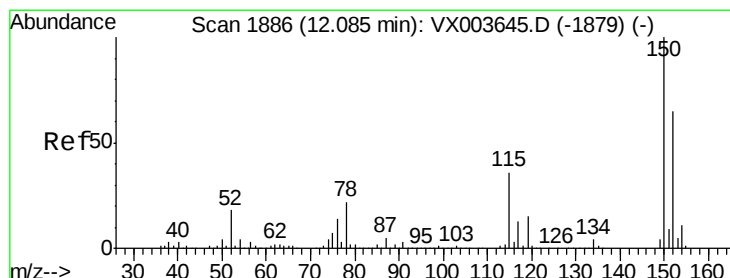
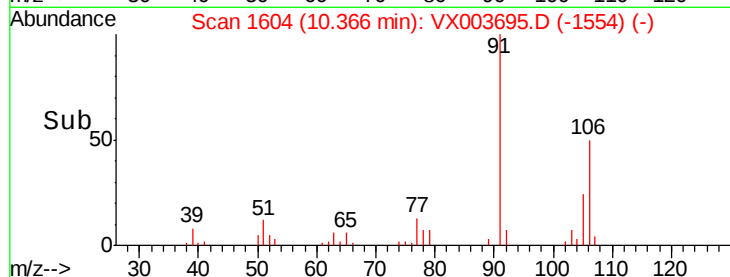
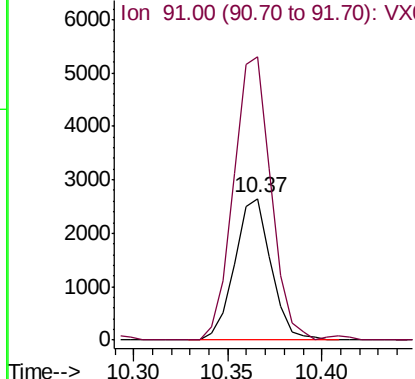
#68
m/p-Xvlenes
Concen: 1.67 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

Instrument :
MSVOA_X
ClientSampled :
FL-0506

Tot Ion:106 Resp: 3524
Ion Ratio Lower Upper
106 100
91 205.9 162.2 243.2

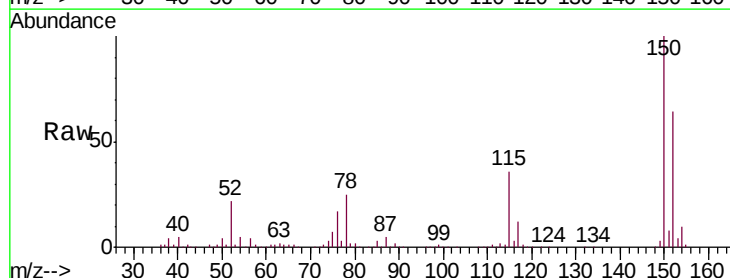


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

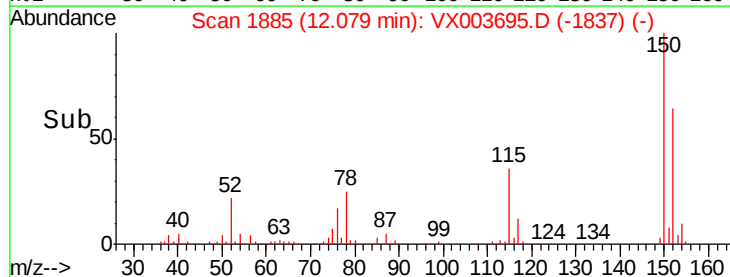
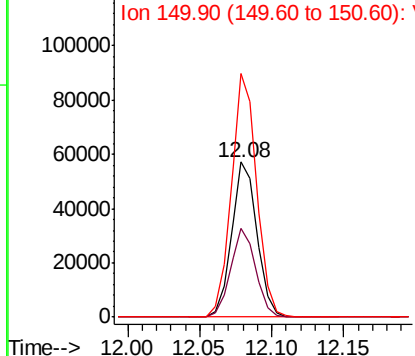


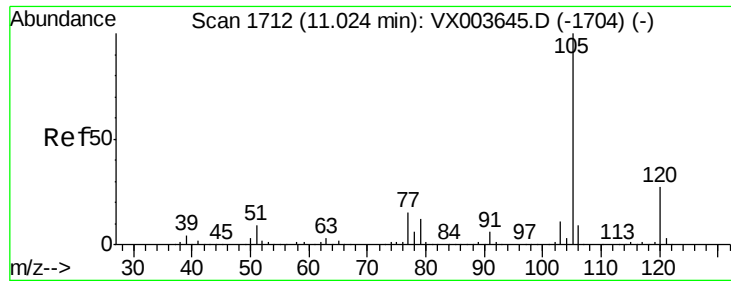
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

Tgt Ion:152 Resp: 70487
Ion Ratio Lower Upper
152 100
115 56.5 40.0 119.9
150 156.2 0.0 348.4



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





#73

Isopropylbenzene

Concen: 0.39 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003695.D

Acq: 27 Jul 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

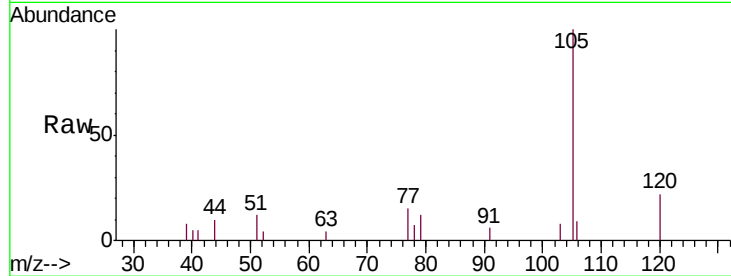
FL-0506

Tot Ion:105 Resp: 1894

Ion Ratio Lower Upper

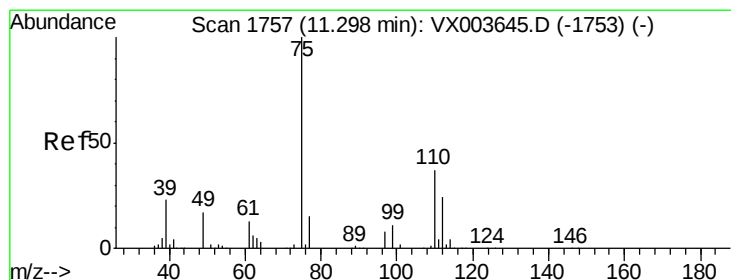
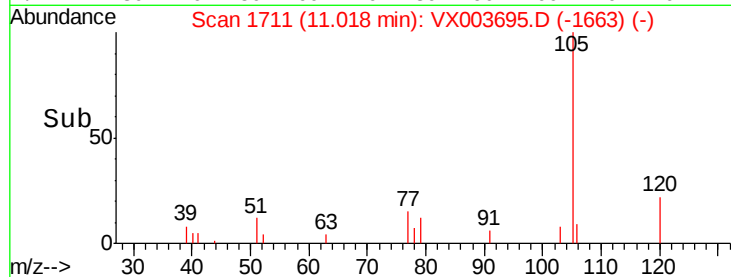
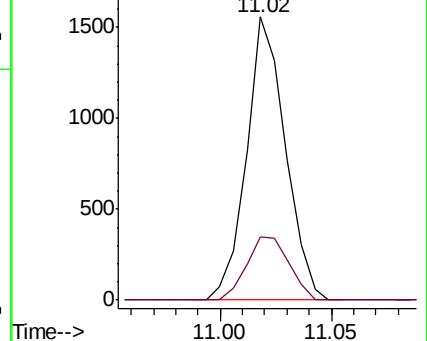
105 100

120 24.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 26.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003695.D

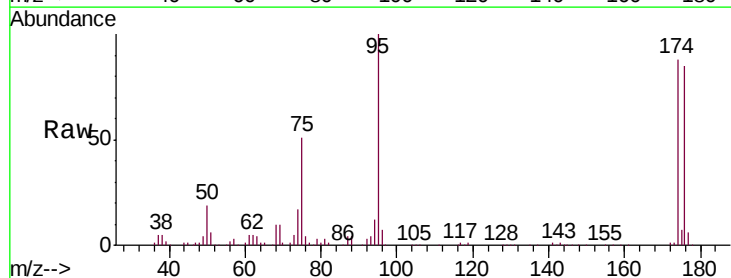
Acq: 27 Jul 2018 03:47

Tgt Ion: 75 Resp: 39542

Ion Ratio Lower Upper

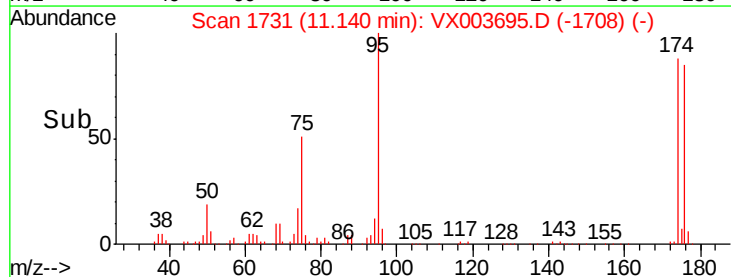
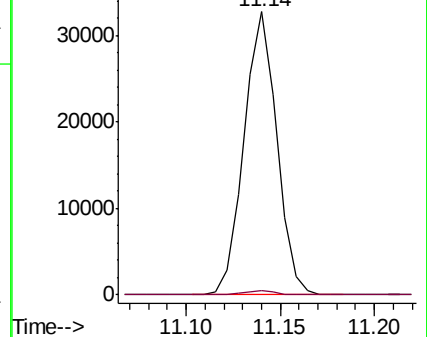
75 100

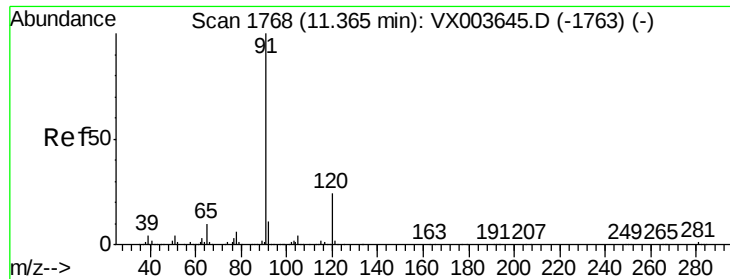
77 1.3 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

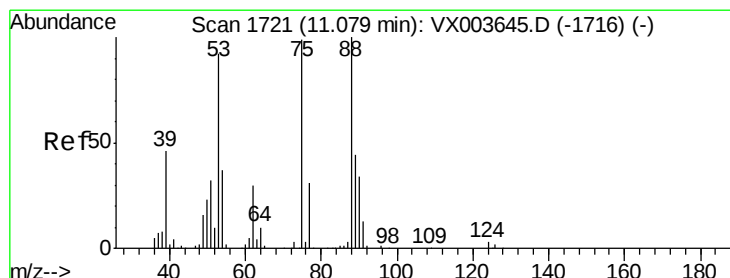
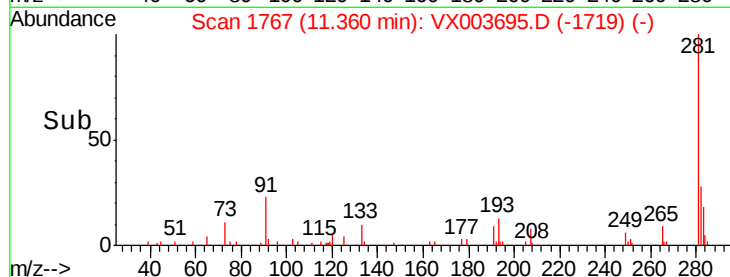
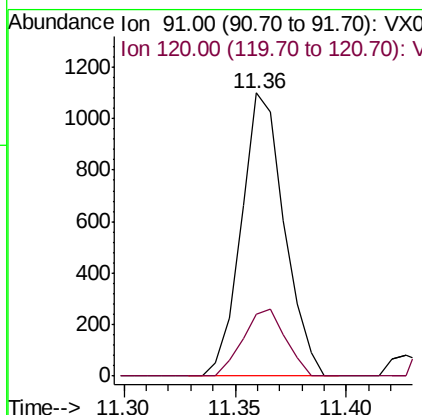
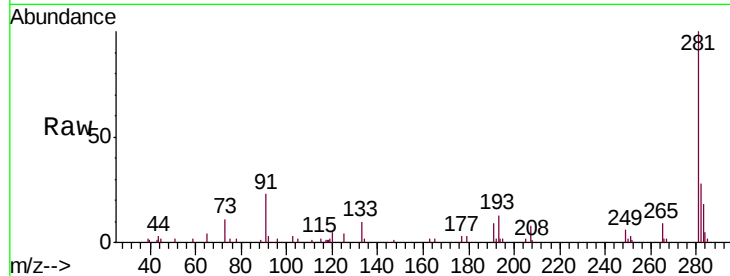




#78
n-propylbenzene
Concen: 0.27 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

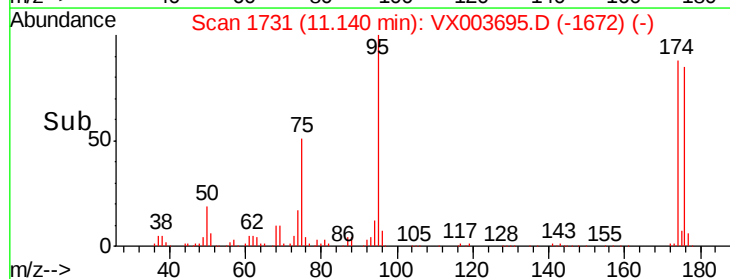
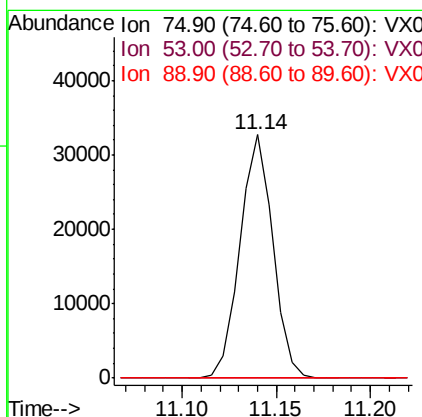
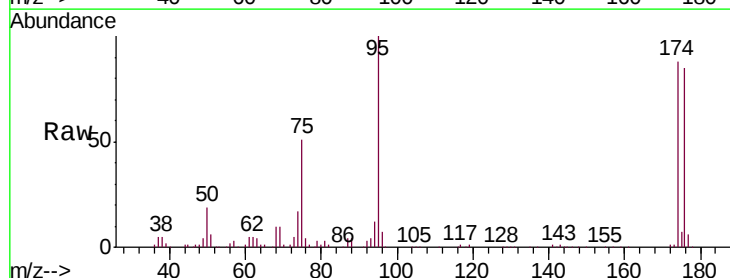
Instrument :
MSVOA_X
ClientSampleId :
FL-0506

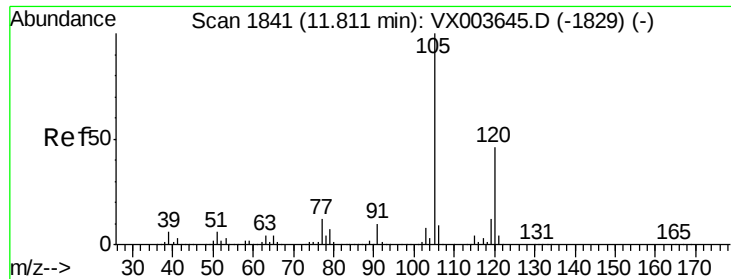
Tot Ion: 91 Resp: 1477
Ion Ratio Lower Upper
91 100
120 23.4 11.8 35.3



#81
trans-1,4-Dichloro-2-butene
Concen: 82.87 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003695.D
Acq: 27 Jul 2018 03:47

Tgt Ion: 75 Resp: 39542
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 36.6 54.8#

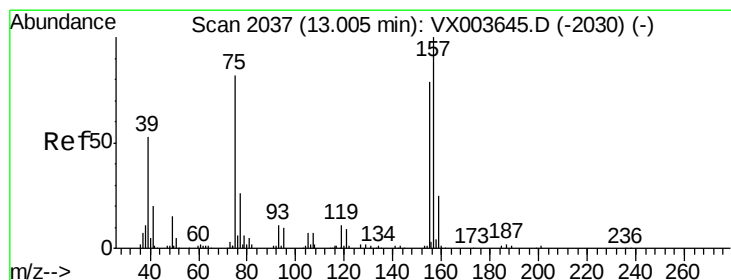
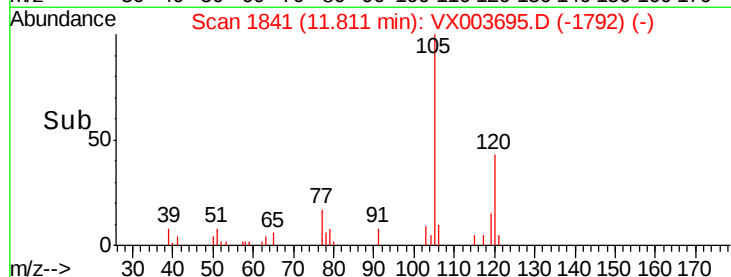
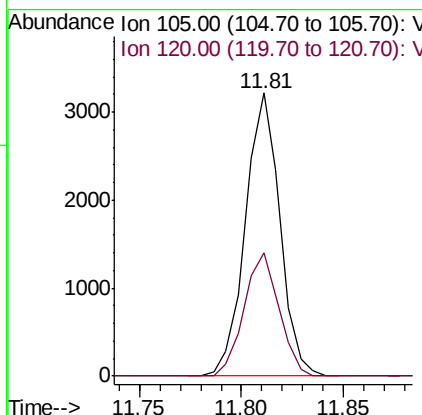
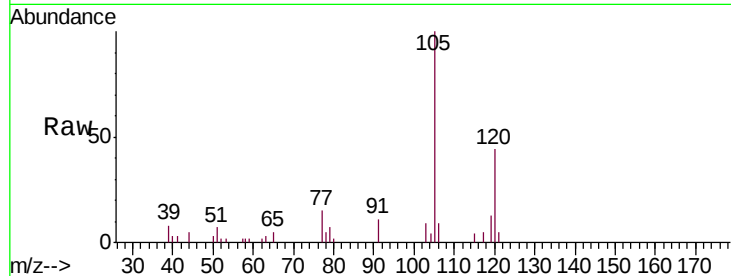




#84
 1,2,4-Trimethylbenzene
 Concen: 0.90 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003695.D
 Acq: 27 Jul 2018 03:47

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0506

Tot Ion:105 Resp: 3786
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.6 67.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.47 ug/l
 RT: 12.82 min Scan# 2007
 Delta R.T. -0.18 min
 Lab File: VX003695.D
 Acq: 27 Jul 2018 03:47

Tgt Ion: 75 Resp: 175
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.1 138.3#
 157 0.0 59.7 179.0#

