

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003629.D
 Acq On : 24 Jul 2018 03:36
 Operator : JC/SP
 Sample : J4073-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 08:54:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361268	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192759	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	145015	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
35) Dibromofluoromethane	5.51	113	134475	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	8.72	98	507599	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	11.14	95	172824	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	

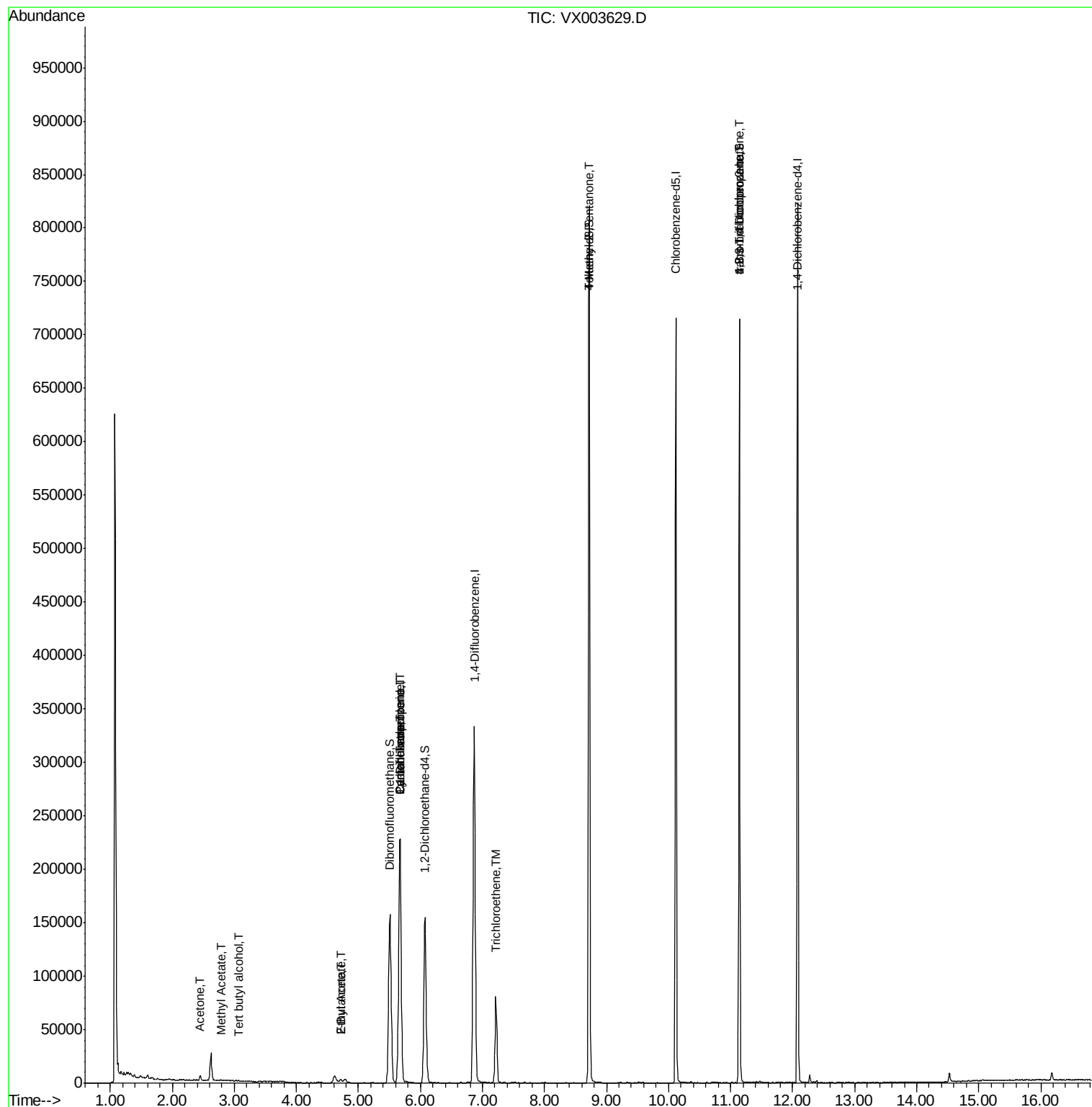
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	926	Below Cal		90
5) Bromomethane	1.65	94	481	Below Cal		89
11) Tert butyl alcohol	3.07	59	1308	2.18	ug/l #	89
16) Acetone	2.45	43	4823	4.21	ug/l #	87
18) Methyl Acetate	2.78	43	758	0.21	ug/l #	87
20) Methylene Chloride	2.85	84	90	Below Cal	#	56
25) 2-Butanone	4.72	43	5224	2.72	ug/l	99
31) Cyclohexane	5.66	56	3506	0.77	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14629	3.75	ug/l #	50
37) Ethyl Acetate	4.72	43	5224	1.42	ug/l #	70
38) Carbon Tetrachloride	5.67	117	21196	5.54	ug/l #	16
44) Trichloroethene	7.22	130	35153	10.01	ug/l	92
51) 4-Methyl-2-Pentanone	8.72	43	1826	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	78390	22.64	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	78390	63.62	ug/l #	7

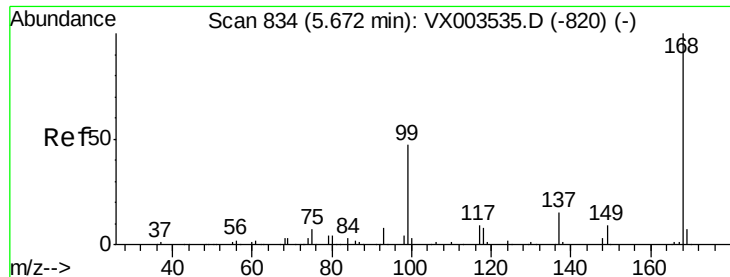
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003629.D

Acq: 24 Jul 2018 03:36

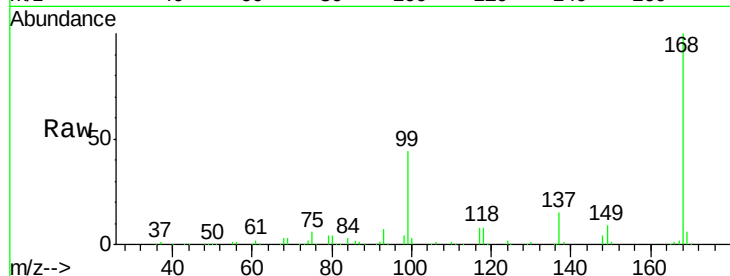
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 256395

Ion Ratio Lower Upper

168 100

99 44.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

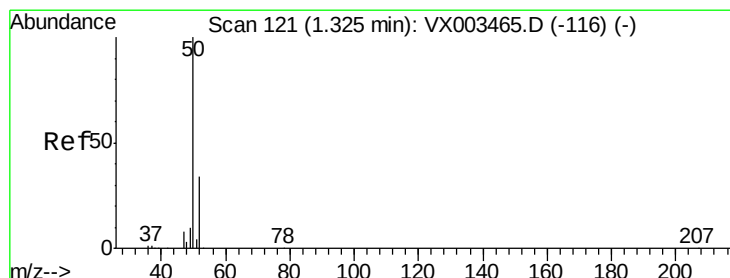
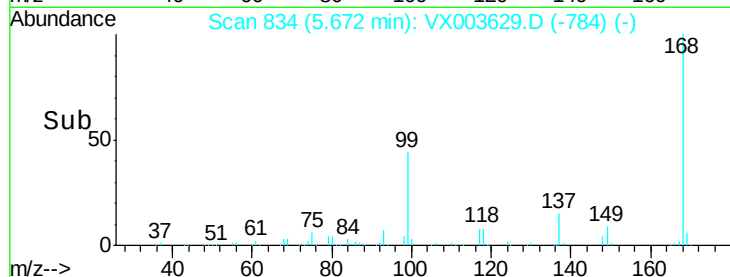
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003629.D

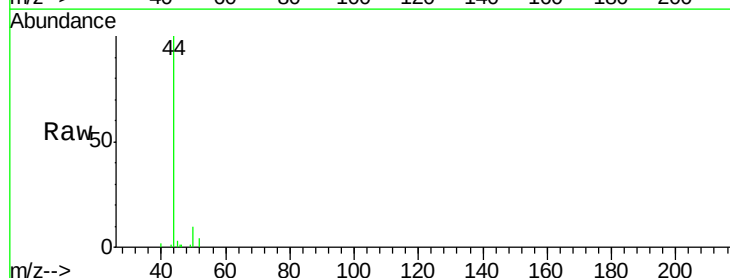
Acq: 24 Jul 2018 03:36

Tgt Ion: 50 Resp: 926

Ion Ratio Lower Upper

50 100

52 37.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

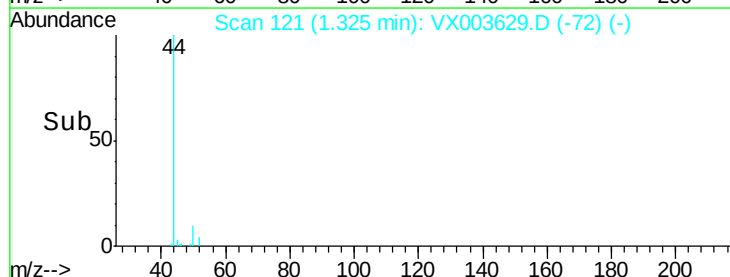
600

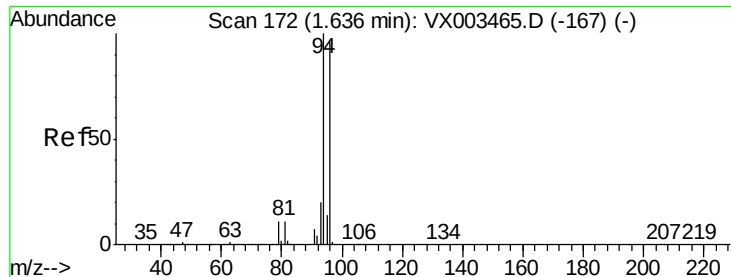
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003629.D

Acq: 24 Jul 2018 03:36

Instrument :

MSVOA_X

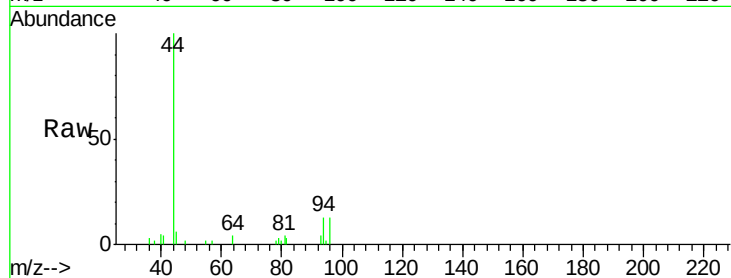
ClientSampleId :

Tot Ion: 94 Resp: 481

Ion Ratio Lower Upper

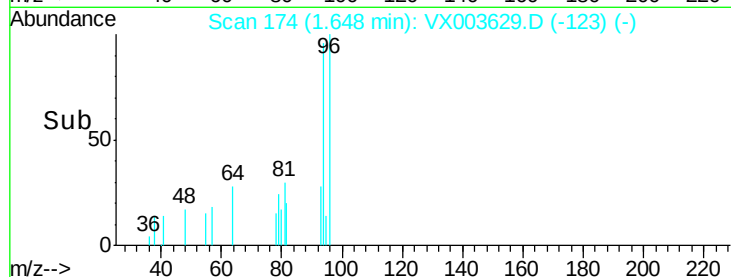
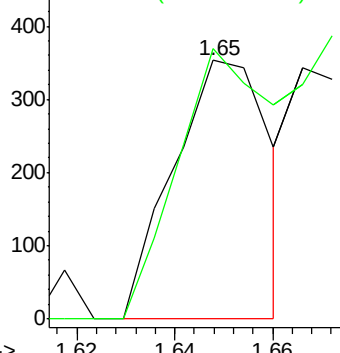
94 100

96 104.5 74.9 112.3

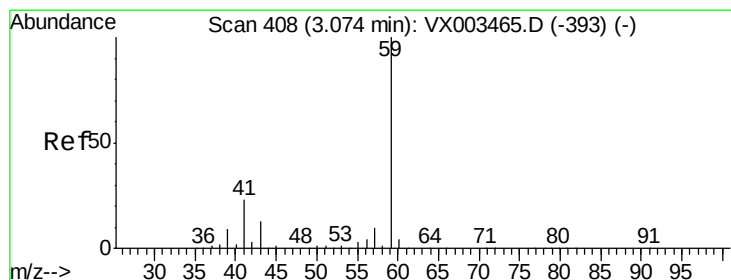


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#11

Tert butyl alcohol

Concen: 2.18 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX003629.D

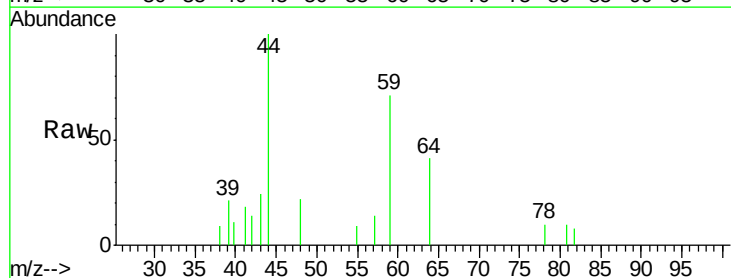
Acq: 24 Jul 2018 03:36

Tgt Ion: 59 Resp: 1308

Ion Ratio Lower Upper

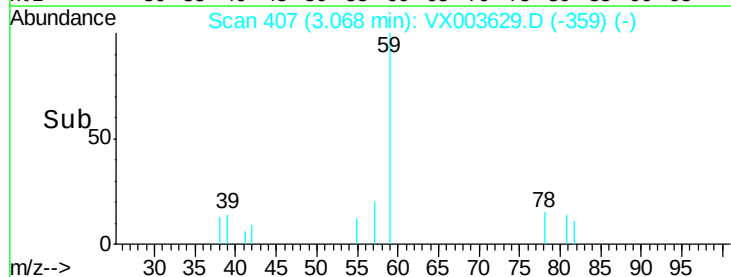
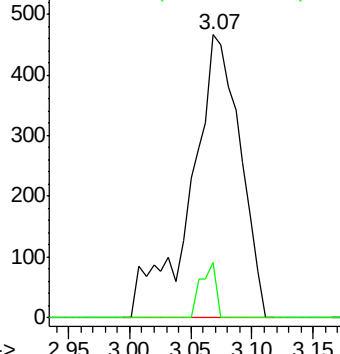
59 100

57 6.1 8.2 12.2#

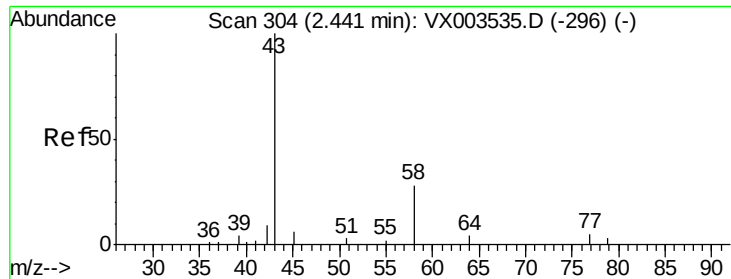


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#16

Acetone

Concen: 4.21 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003629.D

Acq: 24 Jul 2018 03:36

Instrument :

MSVOA_X

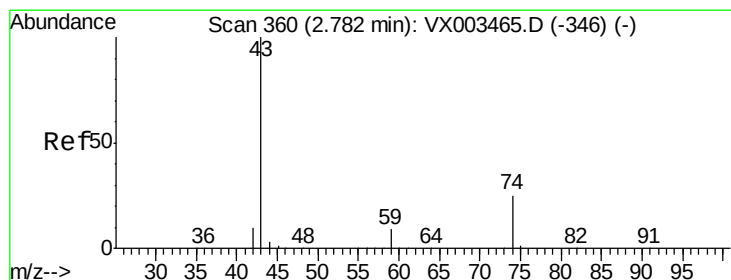
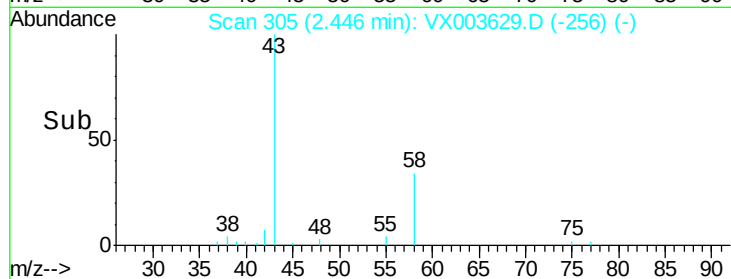
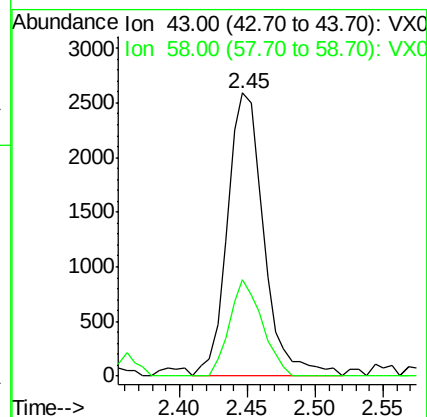
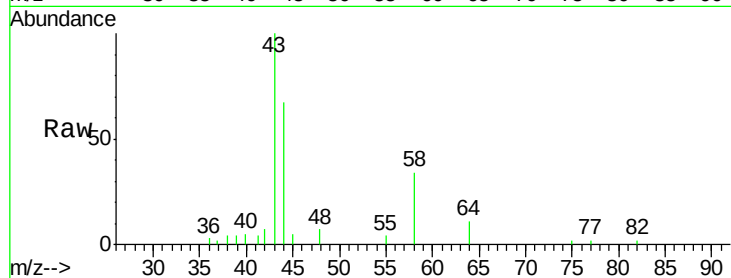
ClientSampled :

Tot Ion: 43 Resp: 4823

Ion Ratio Lower Upper

43 100

58 34.2 22.1 33.1#



#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003629.D

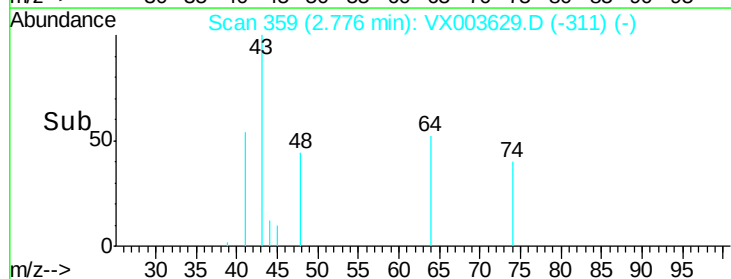
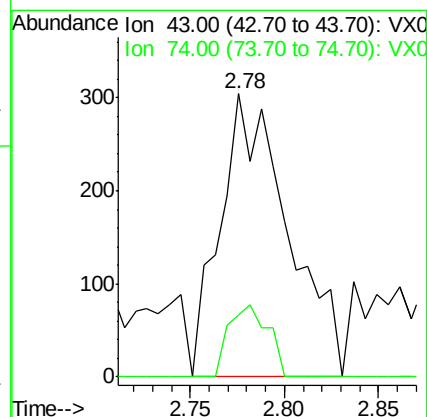
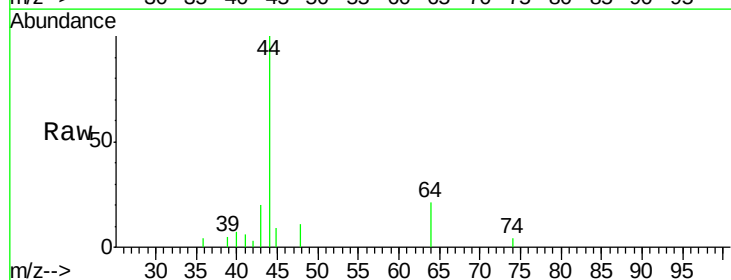
Acq: 24 Jul 2018 03:36

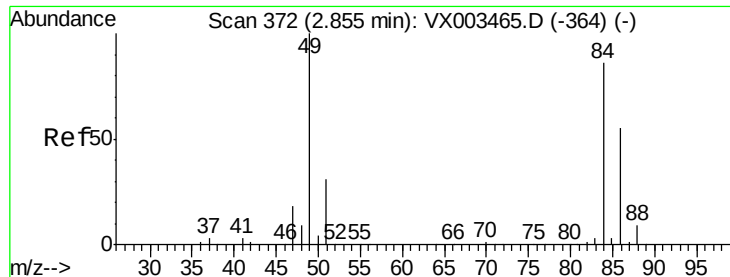
Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

74 14.6 16.7 25.1#

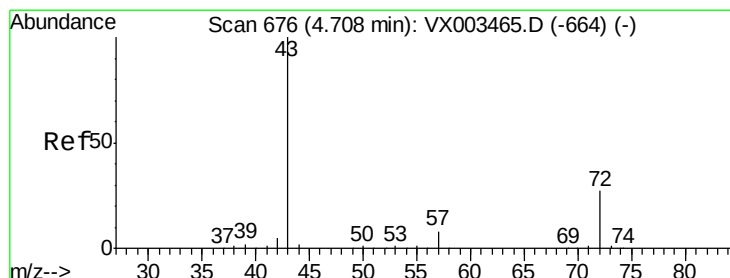
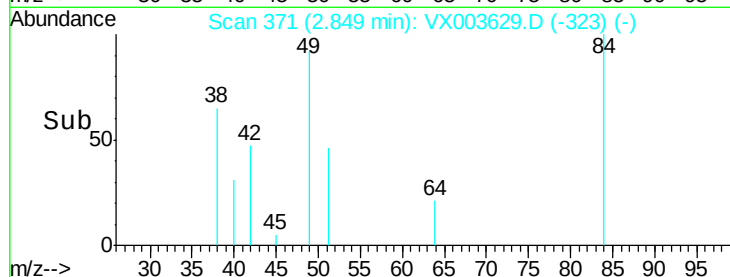
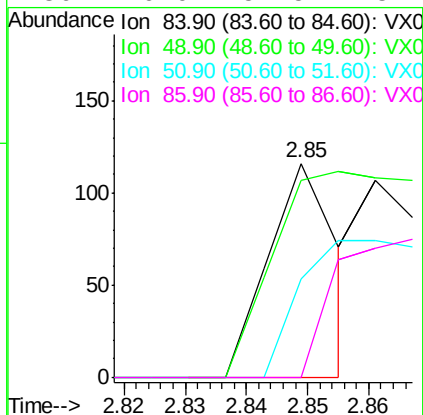
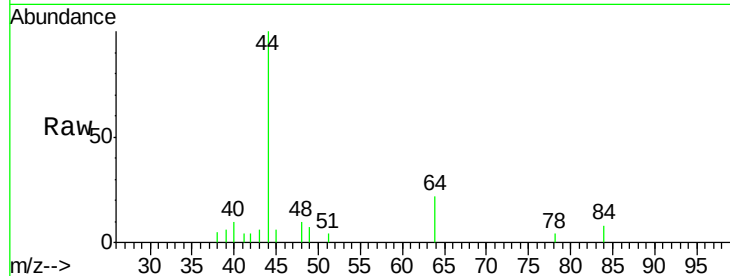




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX003629.D
Acq: 24 Jul 2018 03:36

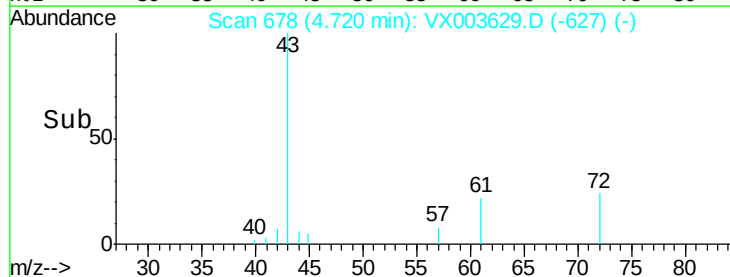
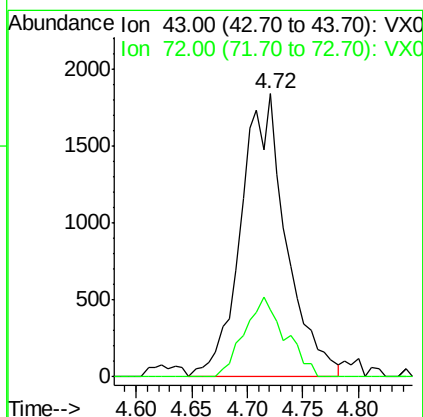
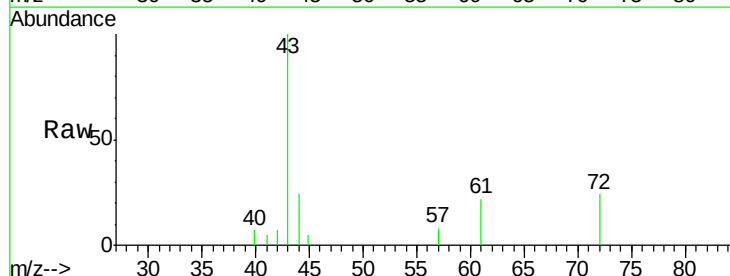
Instrument :
MSVOA_X
ClientSampled :

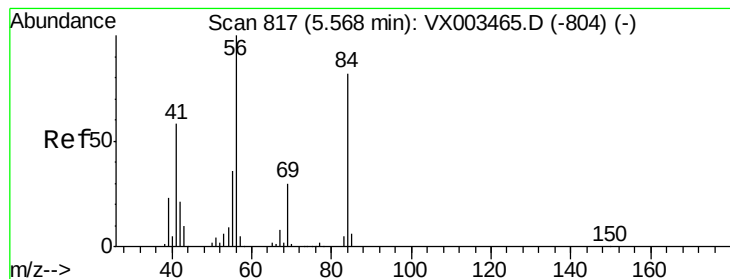
Tot Ion: 84 Resp: 90
Ion Ratio Lower Upper
84 100
49 92.2 107.8 161.6#
51 45.7 32.8 49.2
86 0.0 52.5 78.7#



#25
2-Butanone
Concen: 2.72 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX003629.D
Acq: 24 Jul 2018 03:36

Tgt Ion: 43 Resp: 5224
Ion Ratio Lower Upper
43 100
72 23.5 18.5 27.7





#31

Cyclohexane

Concen: 0.77 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003629.D

Acq: 24 Jul 2018 03:36

Instrument :

MSVOA_X

ClientSampleId :

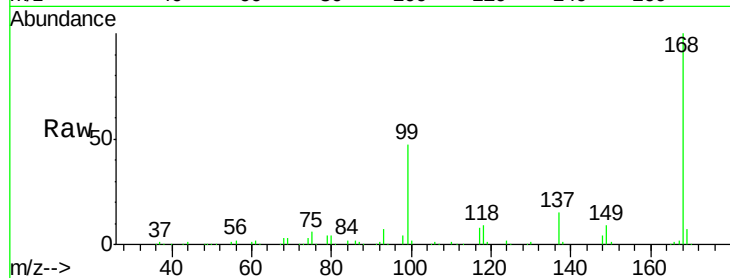
Tot Ion: 56 Resp: 3506

Ion Ratio Lower Upper

56 100

69 154.3 23.7 35.5#

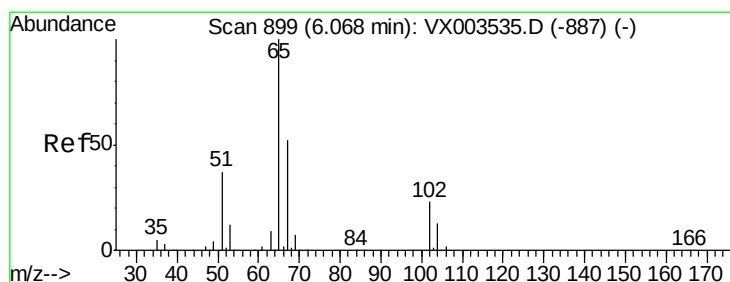
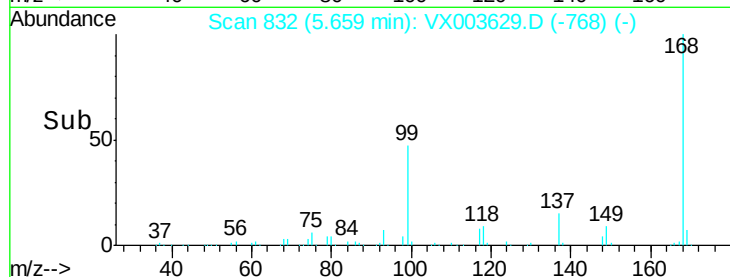
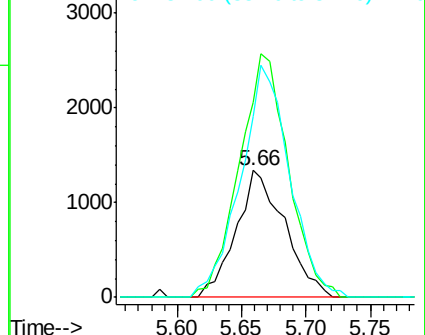
84 143.2 64.1 96.1#



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: 47.78 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003629.D

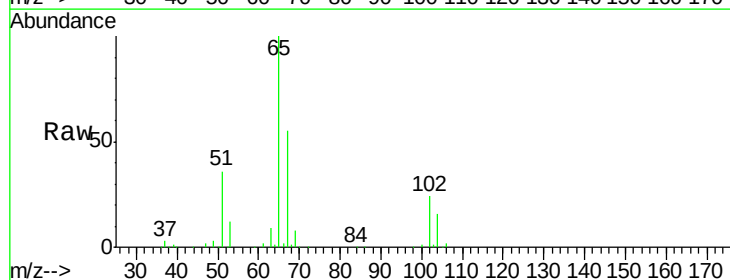
Acq: 24 Jul 2018 03:36

Tgt Ion: 65 Resp: 145015

Ion Ratio Lower Upper

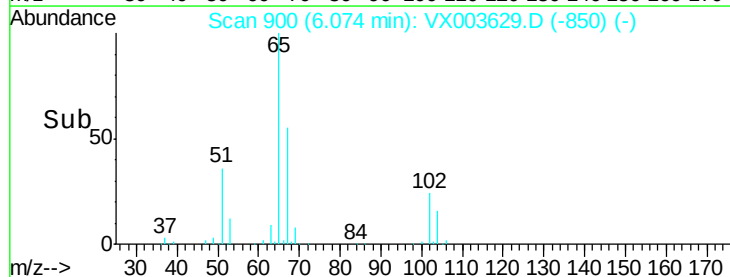
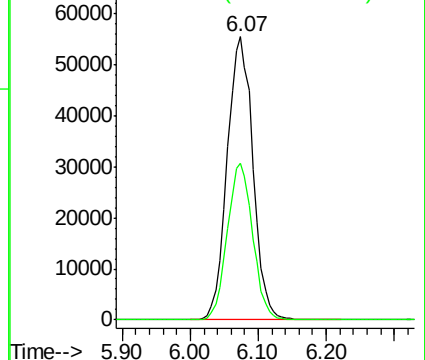
65 100

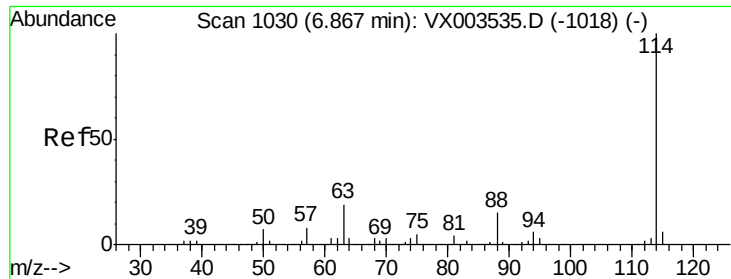
67 54.6 0.0 102.6



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: VX003629.D

Acq: 24 Jul 2018 03:36

Instrument :

MSVOA_X

ClientSampleId :

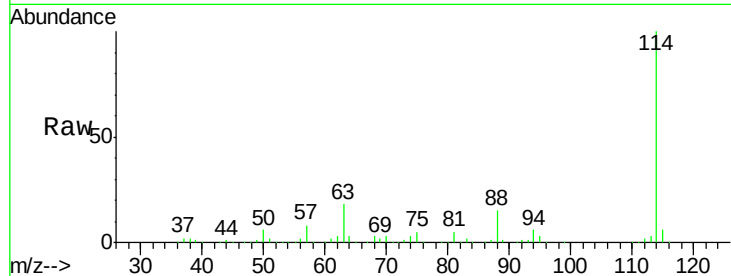
Tot Ion:114 Resp: 361268

Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.4

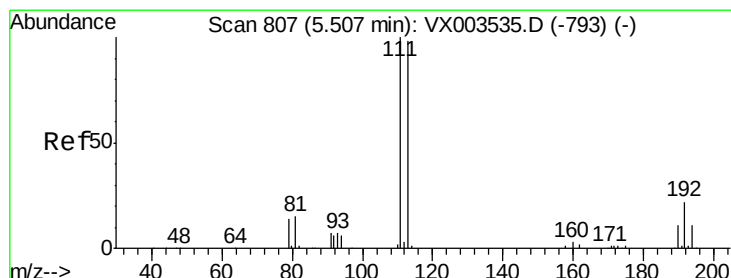
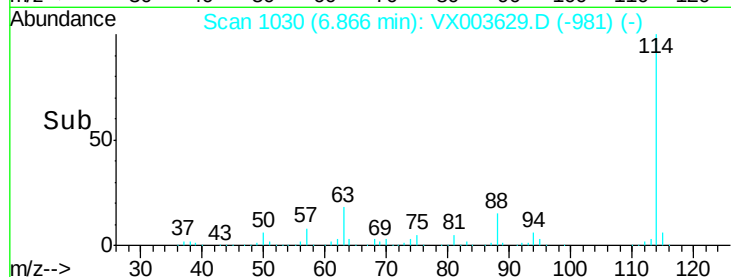
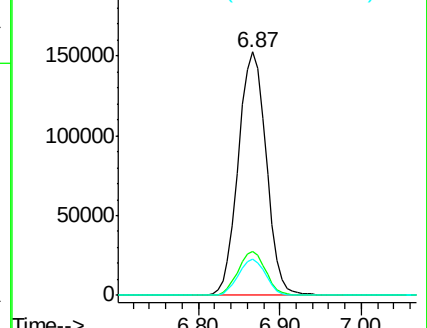
88 14.7 0.0 30.0



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: 48.87 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003629.D

Acq: 24 Jul 2018 03:36

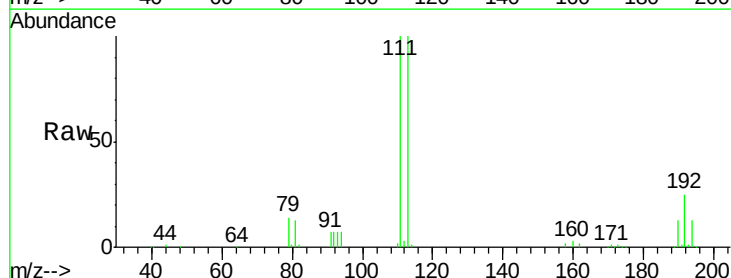
Tgt Ion:113 Resp: 134475

Ion Ratio Lower Upper

113 100

111 105.4 81.4 122.0

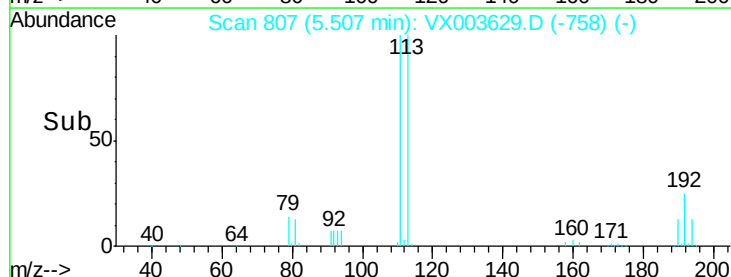
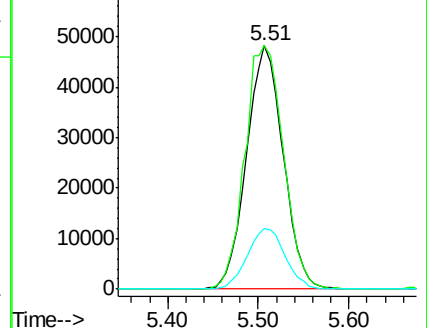
192 25.9 19.1 28.7

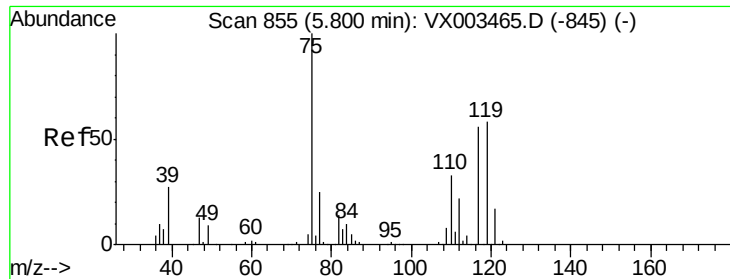


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

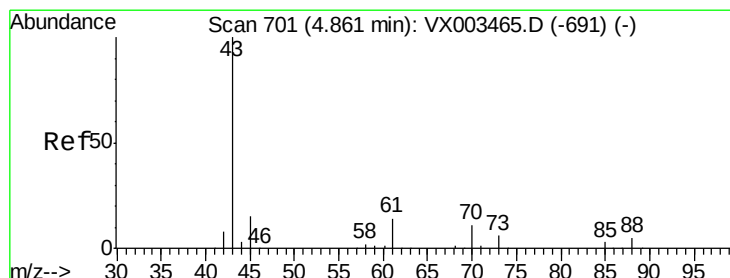
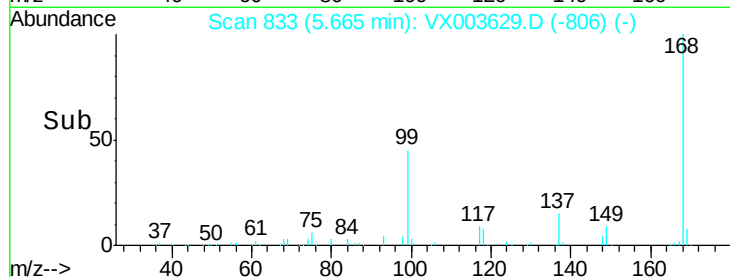
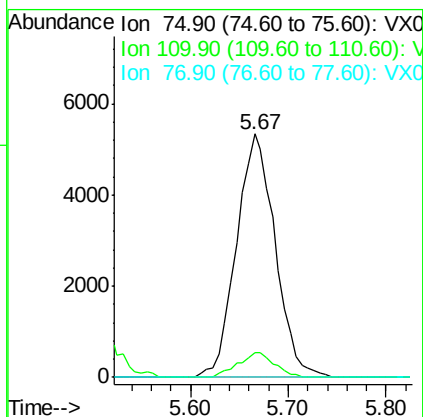
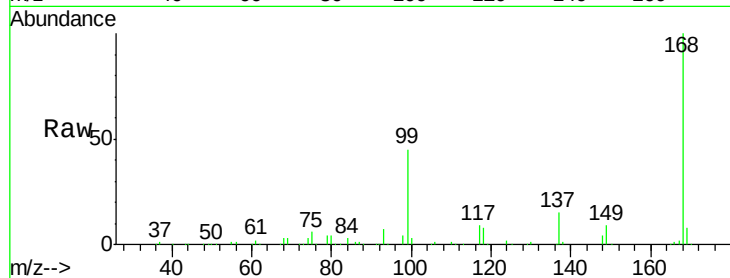




#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003629.D
 Acq: 24 Jul 2018 03:36

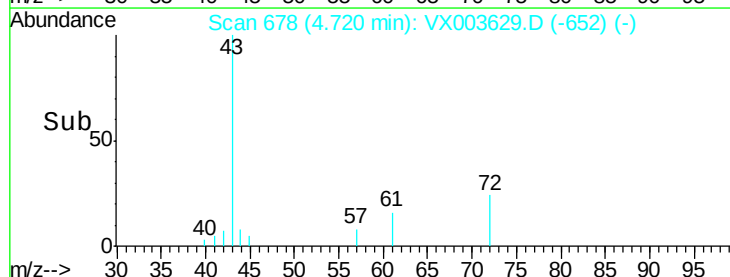
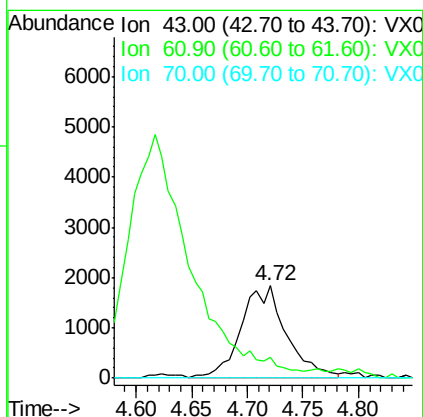
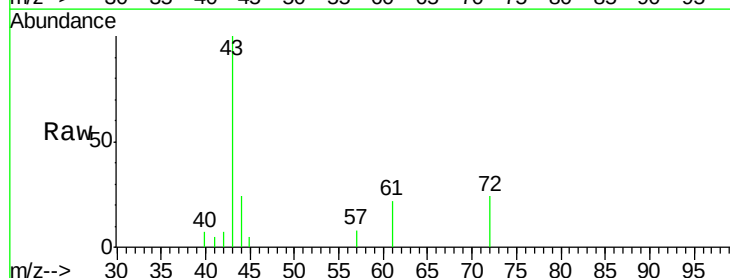
Instrument :
 MSVOA_X
 ClientSampleId :

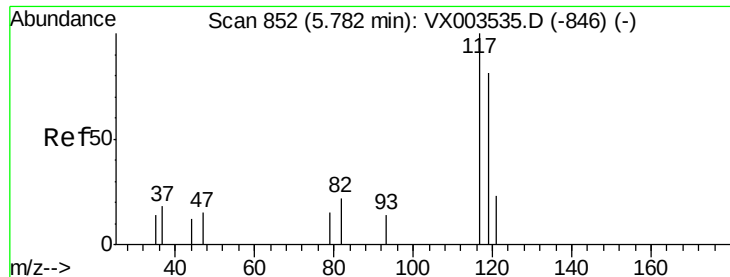
Tot Ion	75	Resp	14629
Ion Ratio	100	Lower	Upper
75	100		
110	9.5	18.1	54.4#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 1.42 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.14 min
 Lab File: VX003629.D
 Acq: 24 Jul 2018 03:36

Tgt Ion	43	Resp	5224
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	7.6	11.4#

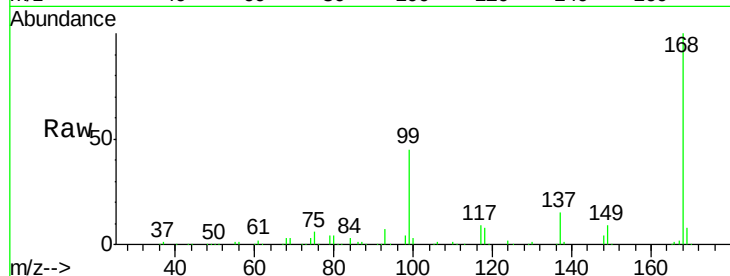




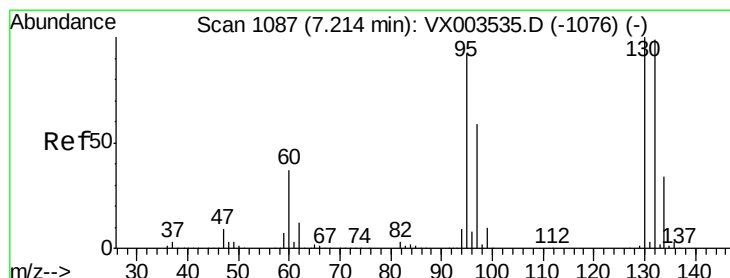
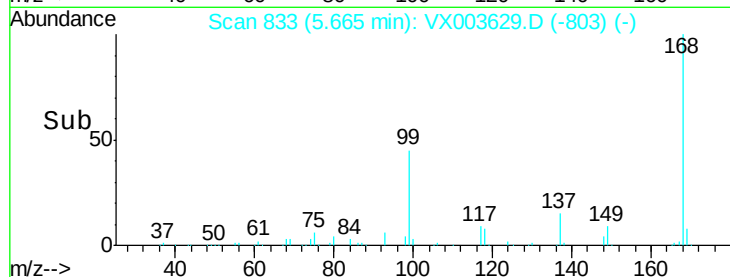
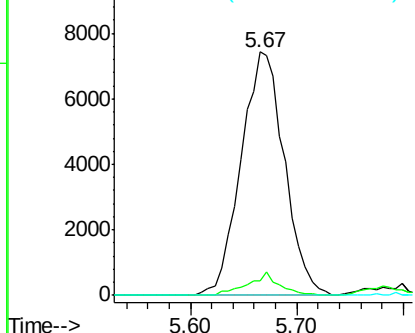
#38
Carbon Tetrachloride
Concen: 5.54 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003629.D
Acq: 24 Jul 2018 03:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 21196
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 24.4 36.6#

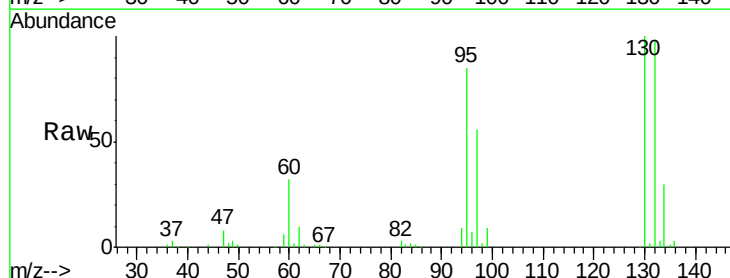


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

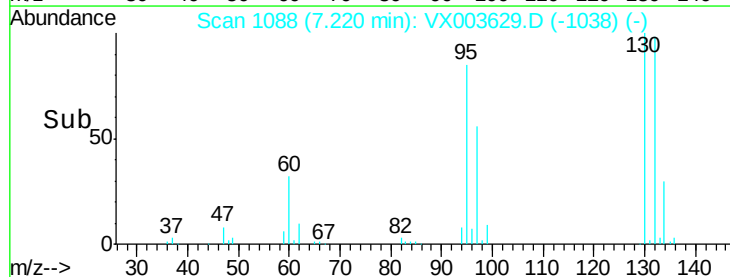
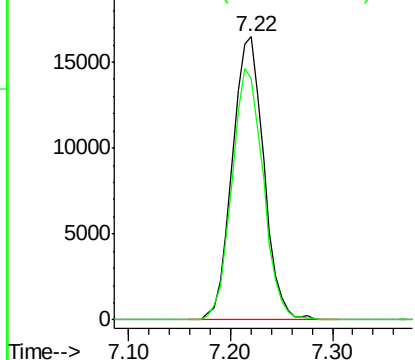


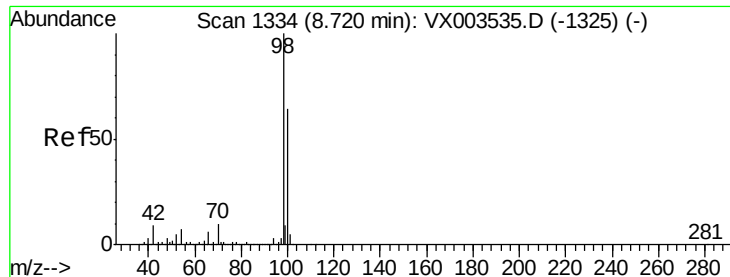
#44
Trichloroethene
Concen: 10.01 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX003629.D
Acq: 24 Jul 2018 03:36

Tgt Ion:130 Resp: 35153
Ion Ratio Lower Upper
130 100
95 85.4 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

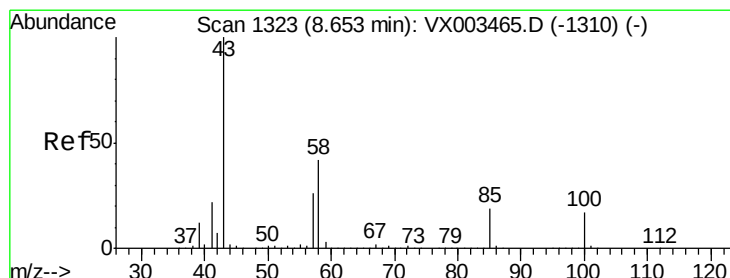
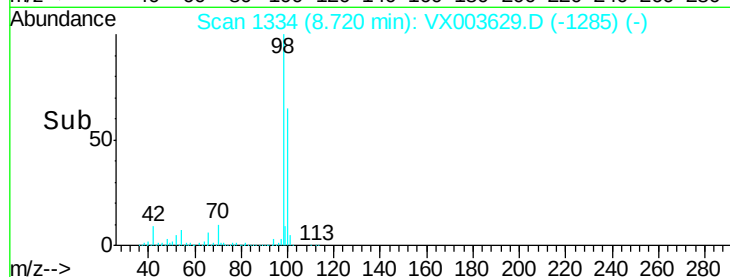
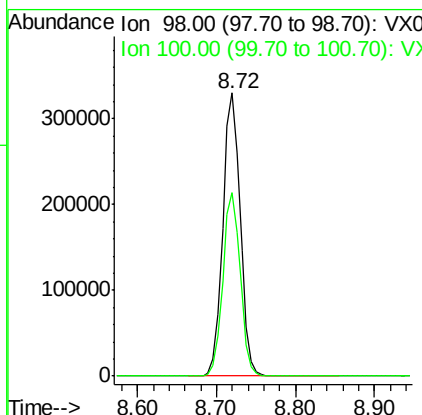
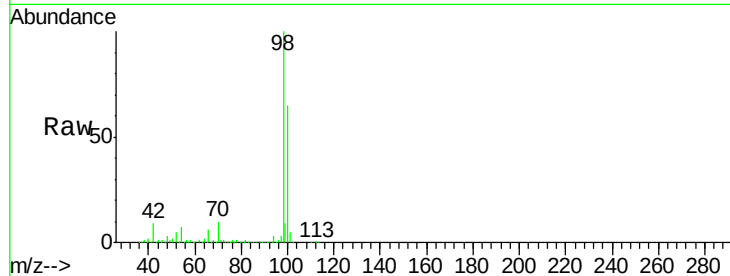




#50
Toluene-d8
Concen: 49.08 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003629.D
Acq: 24 Jul 2018 03:36

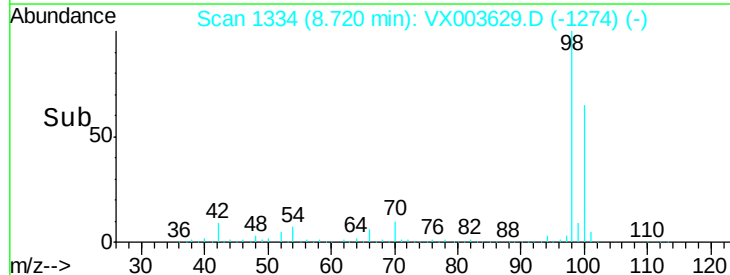
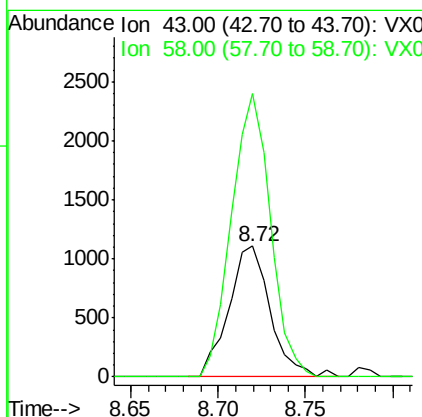
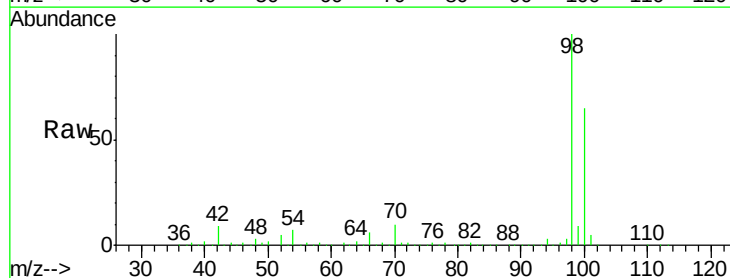
Instrument :
MSVOA_X
ClientSampleId :

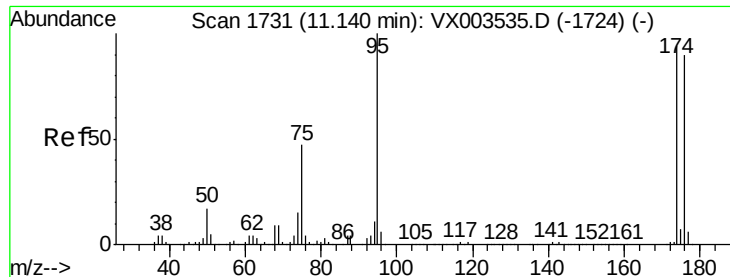
Tot Ion: 98 Resp: 507599
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.07 min
Lab File: VX003629.D
Acq: 24 Jul 2018 03:36

Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
58 203.3 28.6 42.8#

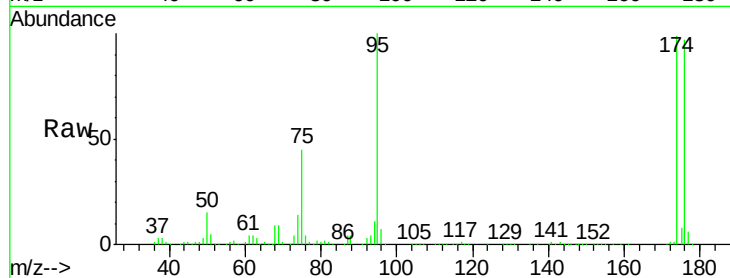




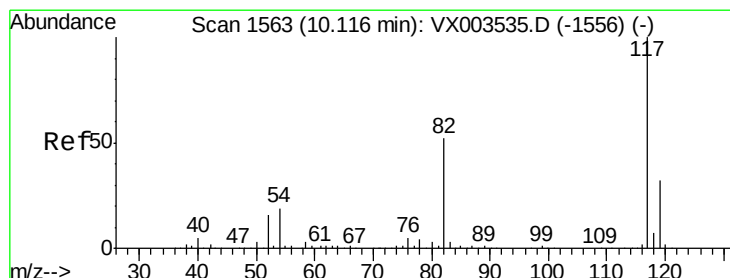
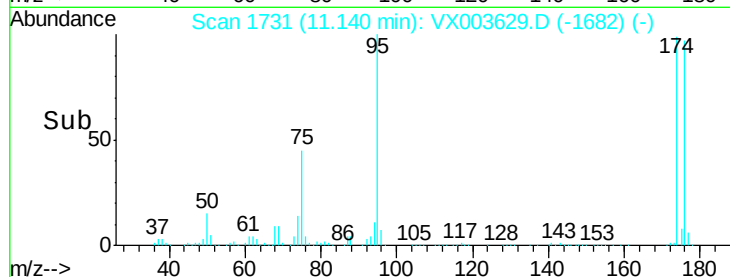
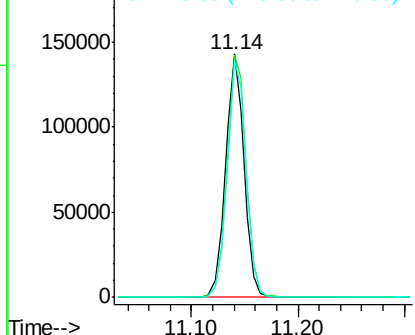
#62
4-Bromofluorobenzene
Concen: 45.79 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003629.D
Acq: 24 Jul 2018 03:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 172824
Ion Ratio Lower Upper
95 100
174 103.5 0.0 187.4
176 99.3 0.0 181.0

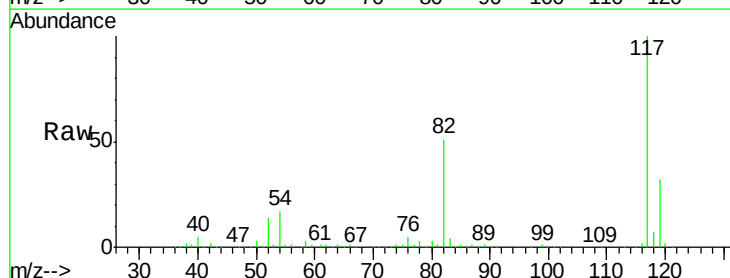


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

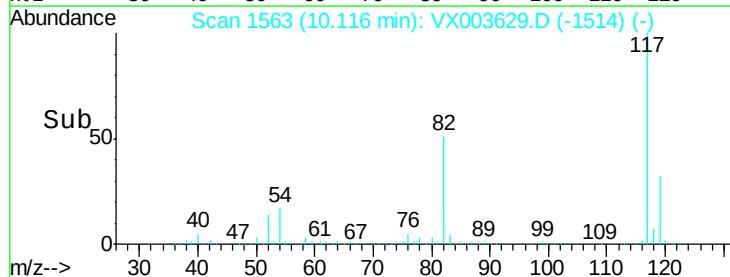
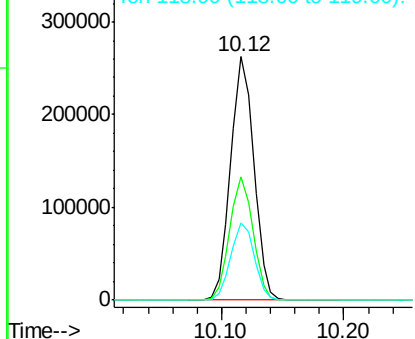


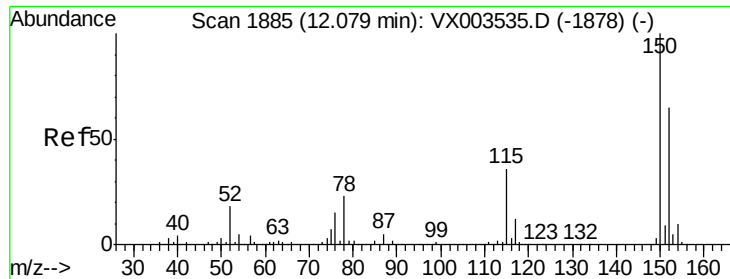
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003629.D
Acq: 24 Jul 2018 03:36

Tgt Ion: 117 Resp: 345785
Ion Ratio Lower Upper
117 100
82 50.6 45.0 67.4
119 31.9 25.8 38.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003629.D

Acq: 24 Jul 2018 03:36

Instrument :

MSVOA_X

ClientSampleId :

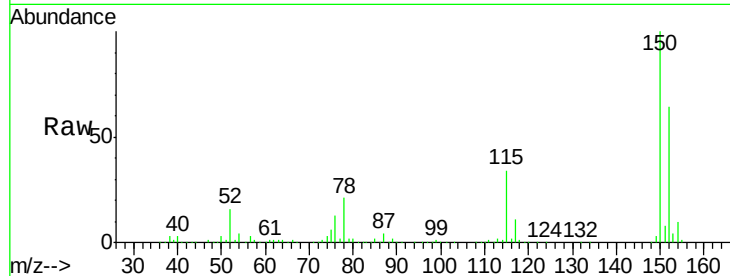
Tot Ion:152 Resp: 192759

Ion Ratio Lower Upper

152 100

115 52.5 40.1 120.2

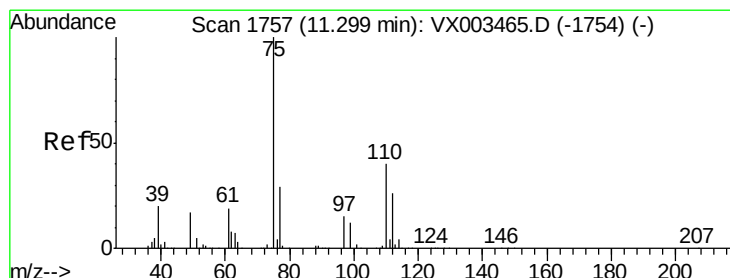
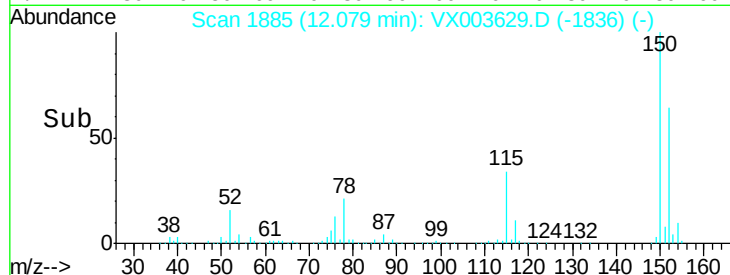
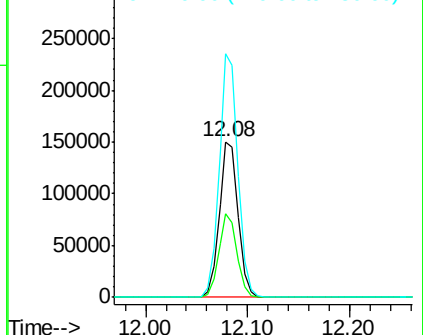
150 155.8 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 22.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003629.D

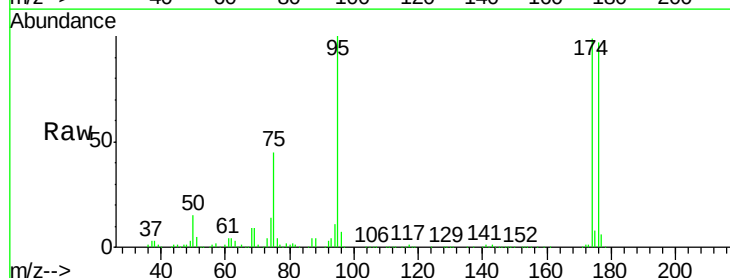
Acq: 24 Jul 2018 03:36

Tgt Ion: 75 Resp: 78390

Ion Ratio Lower Upper

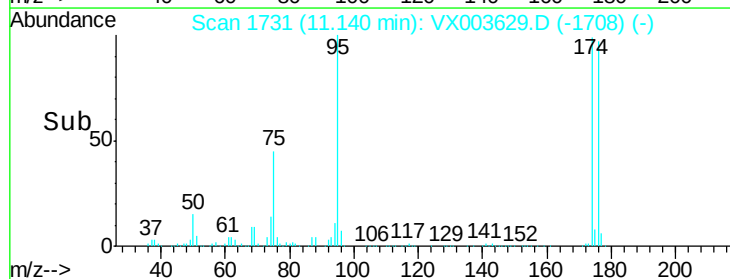
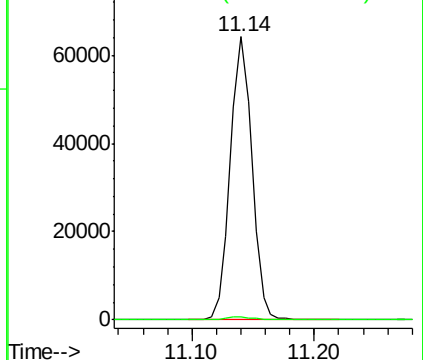
75 100

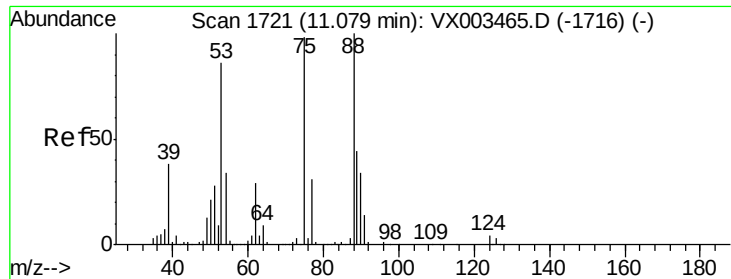
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.62 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003629.D
 Acq: 24 Jul 2018 03:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 78390
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

