

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022619\
 Data File : VX007721.D
 Acq On : 26 Feb 2019 18:39
 Operator : JC/SP
 Sample : K1628-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A0C6-3-AQ

Quant Time: Feb 27 00:19:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	326967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	565946	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	538533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243197	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	207485	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
35) Dibromofluoromethane	5.51	113	191757	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	8.71	98	687115	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.13	95	240551	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	

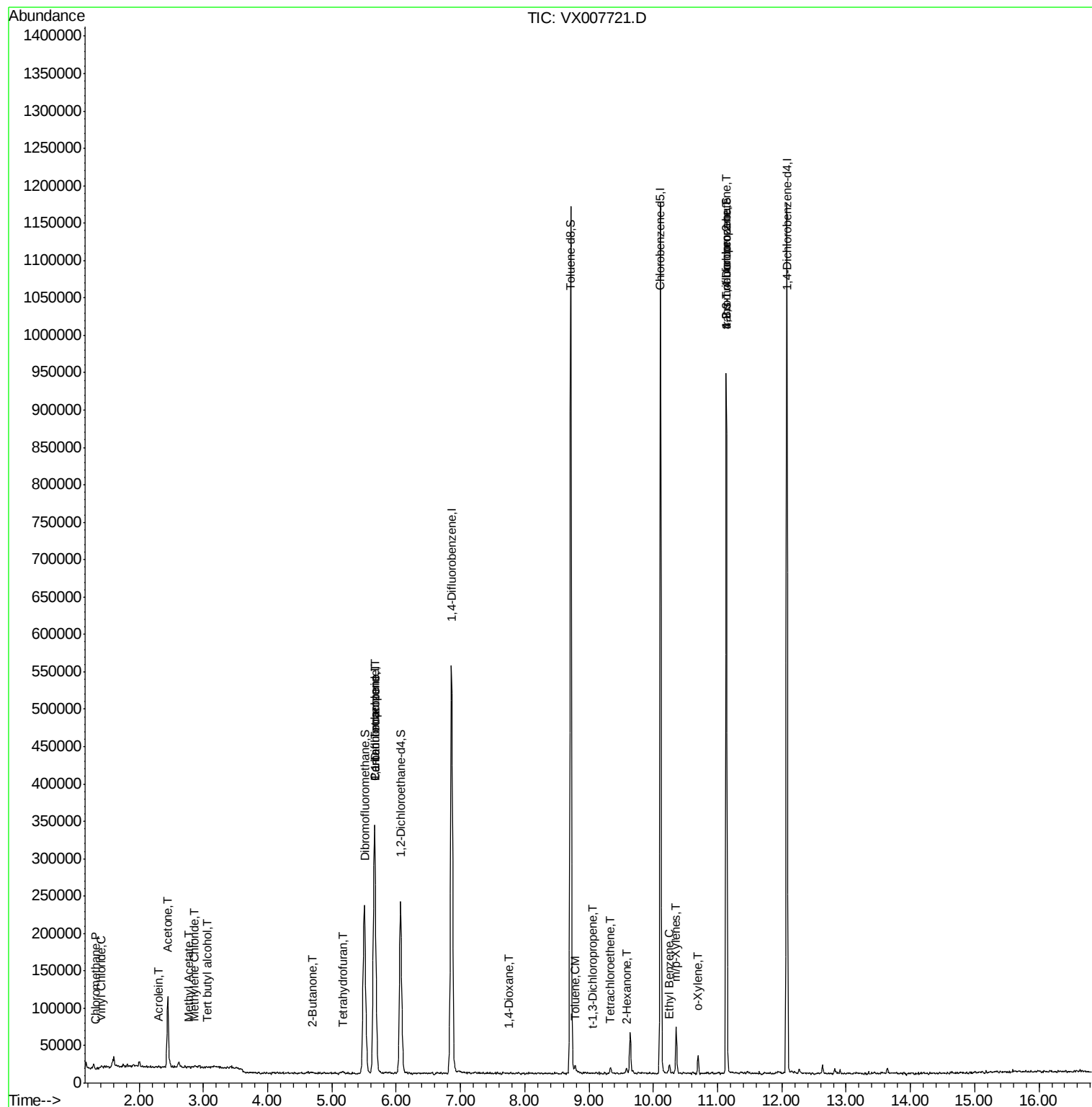
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	780	0.234	ug/l #	68
4) Vinyl Chloride	1.41	62	1082	0.316	ug/l	91
5) Bromomethane	1.65	94	574	Below Cal	#	26
11) Tert butyl alcohol	3.07	59	405	0.527	ug/l #	70
13) Acrolein	2.29	56	222	0.325	ug/l #	40
16) Acetone	2.45	43	102629	56.982	ug/l	96
18) Methyl Acetate	2.78	43	1007	0.256	ug/l #	62
20) Methylene Chloride	2.85	84	1555	0.468	ug/l #	66
25) 2-Butanone	4.70	43	4427	1.614	ug/l #	79
29) Tetrahydrofuran	5.17	42	1561	0.863	ug/l #	62
36) 1,1-Dichloropropene	5.66	75	23522	4.623	ug/l #	49
38) Carbon Tetrachloride	5.66	117	30809	6.028	ug/l #	18
49) 1,4-Dioxane	7.76	88	256	2.599	ug/l #	29
52) Toluene	8.78	92	3148	0.318	ug/l	93
53) t-1,3-Dichloropropene	9.05	75	282	2.846	ug/l #	43
59) 2-Hexanone	9.58	43	1484	0.325	ug/l #	46
64) Tetrachloroethene	9.34	164	1617	0.370	ug/l	92
67) Ethyl Benzene	10.25	91	6139	0.318	ug/l #	79
68) m/p-Xylenes	10.35	106	15445	2.058	ug/l	98
69) o-Xylene	10.70	106	6138	0.850	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	117978	22.759	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	117978	60.326	ug/l #	9

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

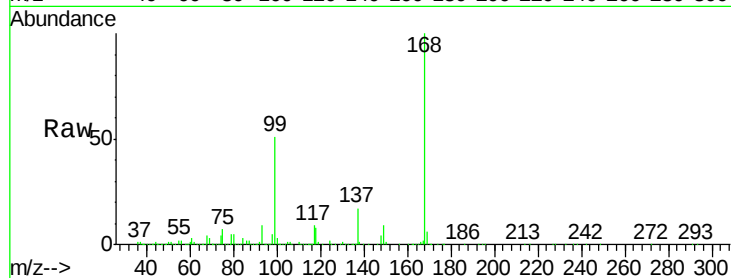
A0C6-3-AQ

Tot Ion:168 Resp: 326967

Ion Ratio Lower Upper

168 100

99 50.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

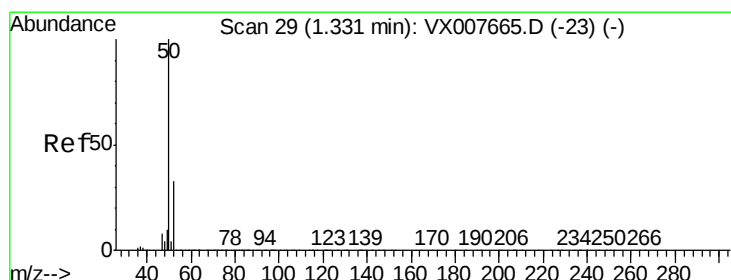
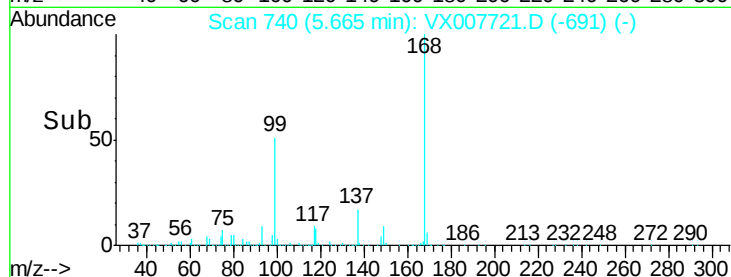
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007721.D

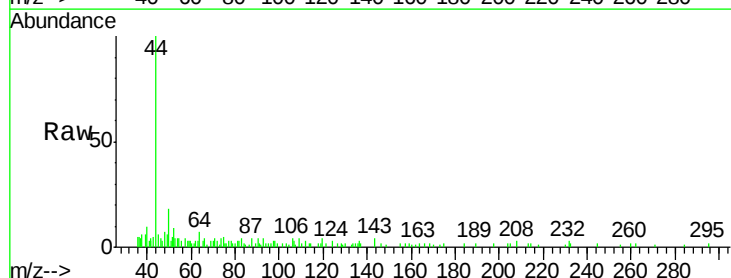
Acq: 26 Feb 2019 18:39

Tgt Ion: 50 Resp: 780

Ion Ratio Lower Upper

50 100

52 50.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

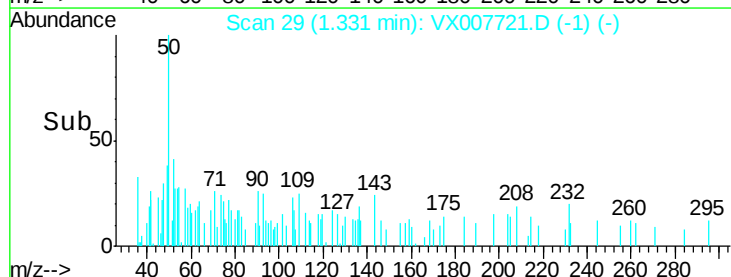
600

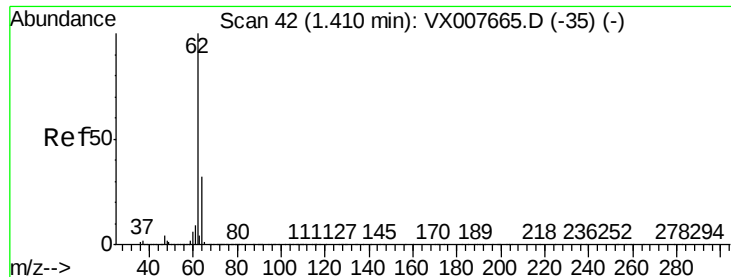
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.316 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

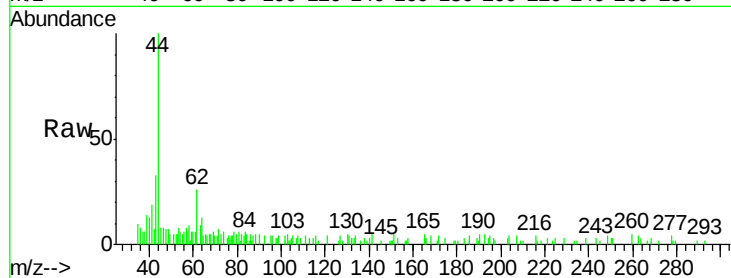
A0C6-3-AQ

Tot Ion: 62 Resp: 1082

Ion Ratio Lower Upper

62 100

64 36.8 25.4 38.0



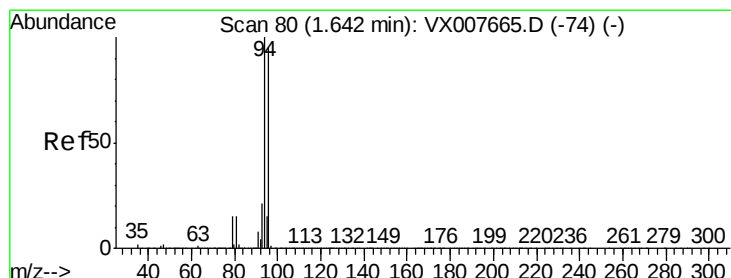
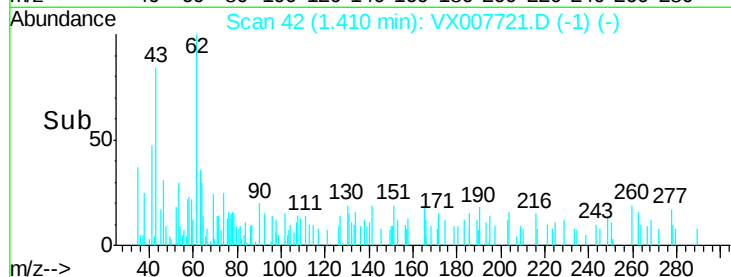
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

1.45

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007721.D

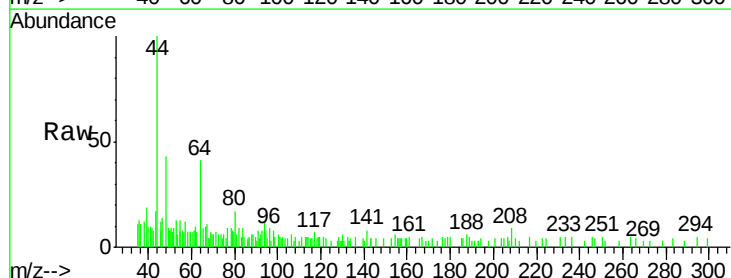
Acq: 26 Feb 2019 18:39

Tgt Ion: 94 Resp: 574

Ion Ratio Lower Upper

94 100

96 21.4 73.9 110.9#



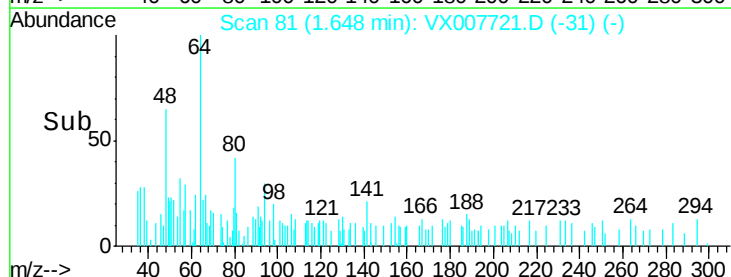
Abundance Ion 93.90 (93.60 to 94.60): VX0

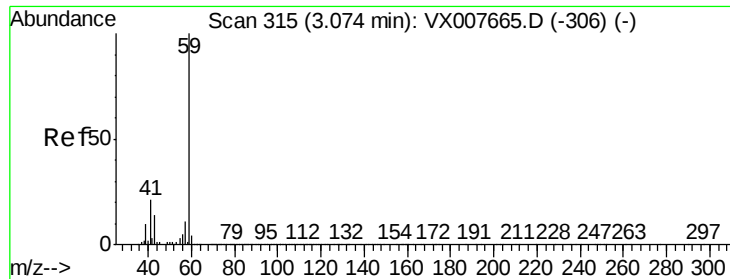
Ion 95.90 (95.60 to 96.60): VX0

1.65

1.68

Time-->



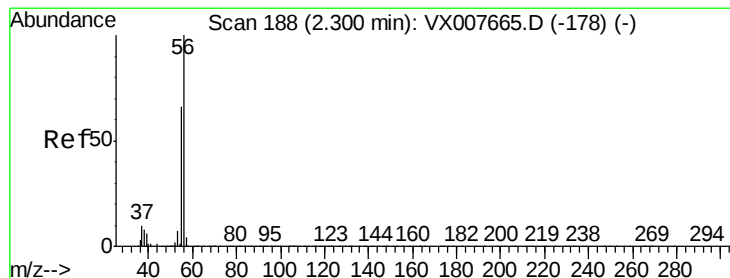
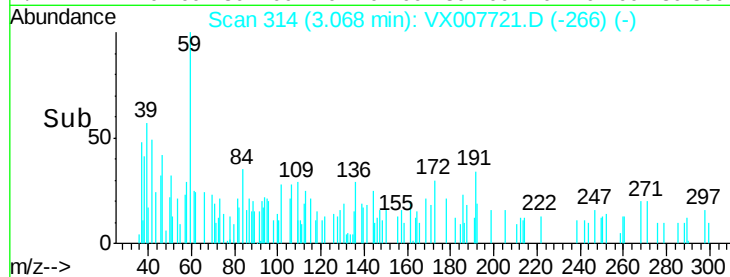
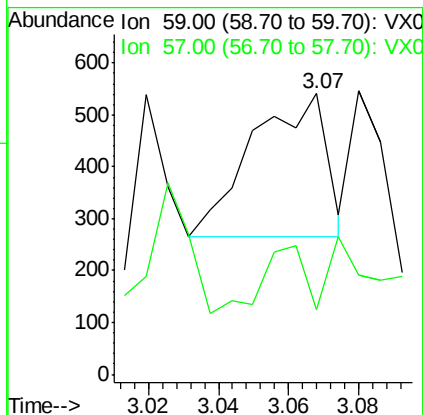
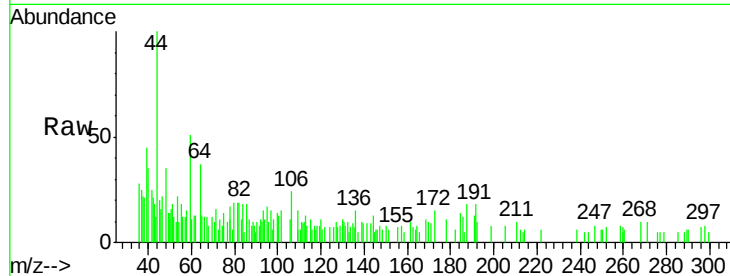


#11

Tert butyl alcohol
 Concen: 0.527 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007721.D
 Acq: 26 Feb 2019 18:39

Instrument :
 MSVOA_X
 ClientSampled :
 A0C6-3-AQ

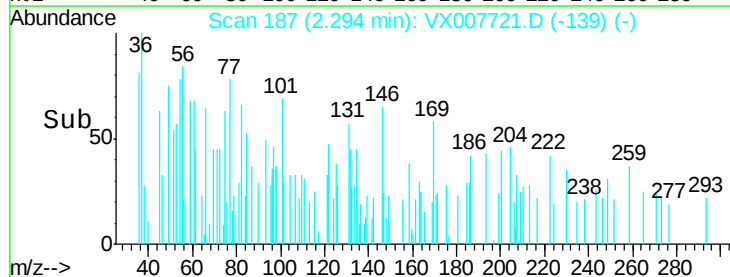
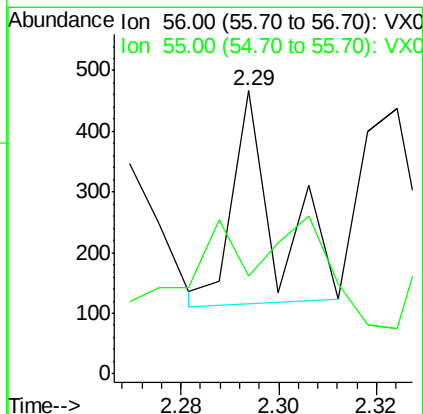
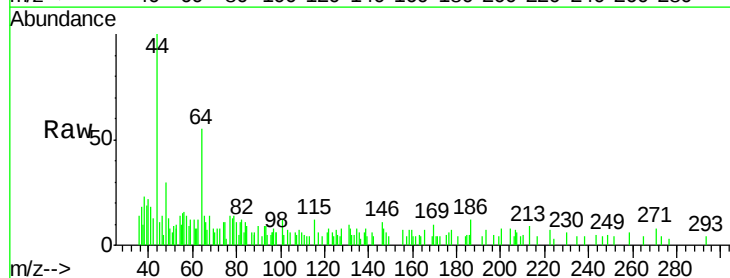
Tot Ion: 59 Resp: 405
 Ion Ratio Lower Upper
 59 100
 57 21.2 8.1 12.1#

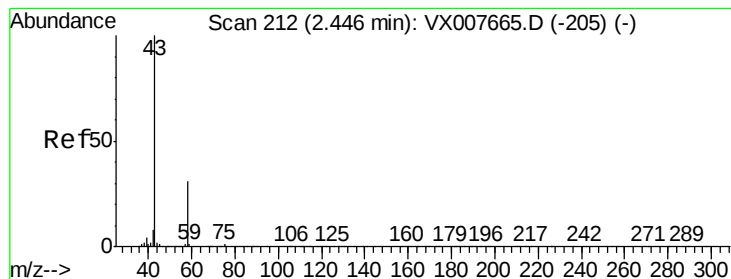


#13

Acrolein
 Concen: 0.325 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX007721.D
 Acq: 26 Feb 2019 18:39

Tgt Ion: 56 Resp: 222
 Ion Ratio Lower Upper
 56 100
 55 21.2 56.9 85.3#





#16

Acetone

Concen: 56.982 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

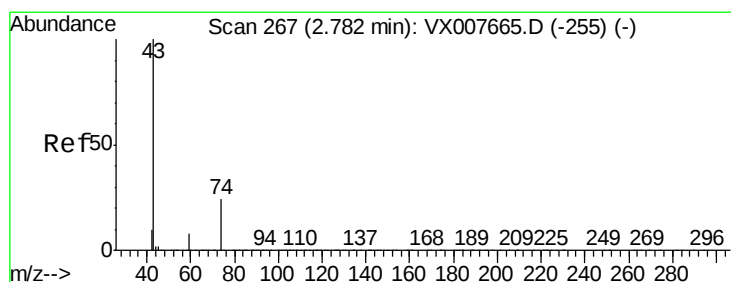
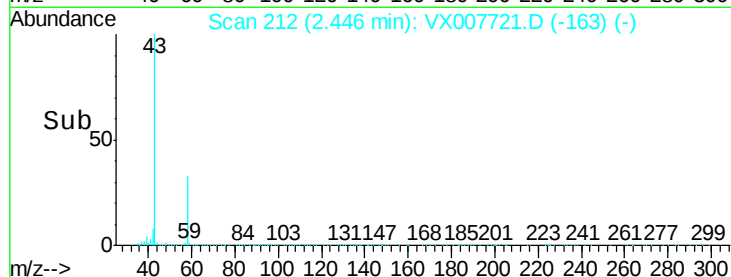
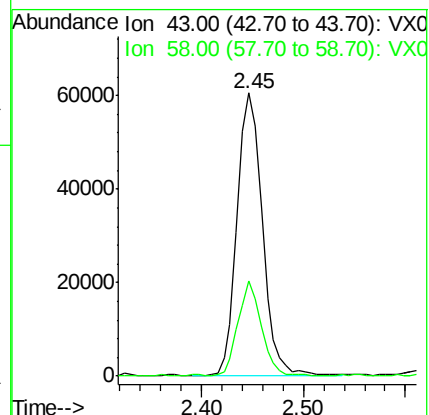
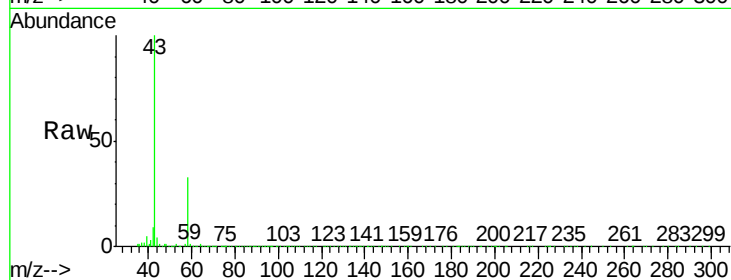
A0C6-3-AQ

Tot Ion: 43 Resp: 102629

Ion Ratio Lower Upper

43 100

58 33.0 24.9 37.3



#18

Methyl Acetate

Concen: 0.256 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007721.D

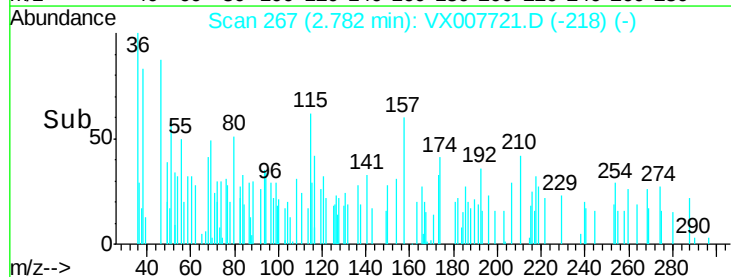
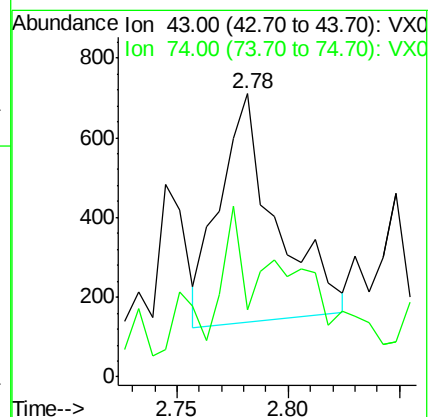
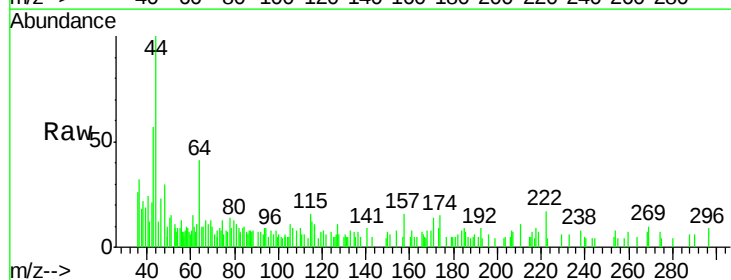
Acq: 26 Feb 2019 18:39

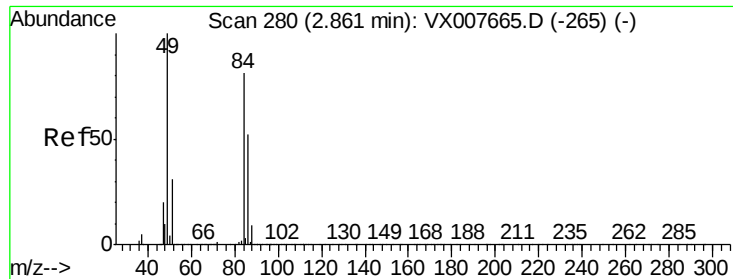
Tgt Ion: 43 Resp: 1007

Ion Ratio Lower Upper

43 100

74 43.2 19.4 29.2#

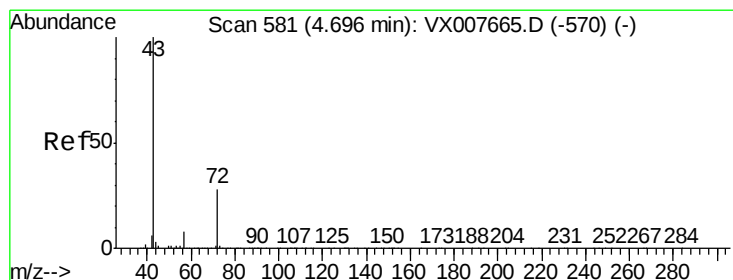
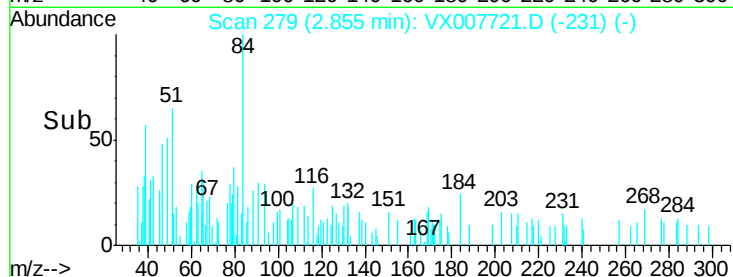
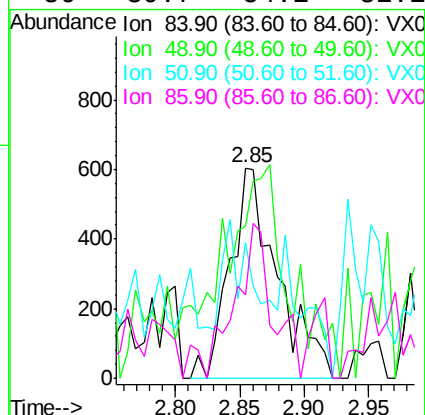
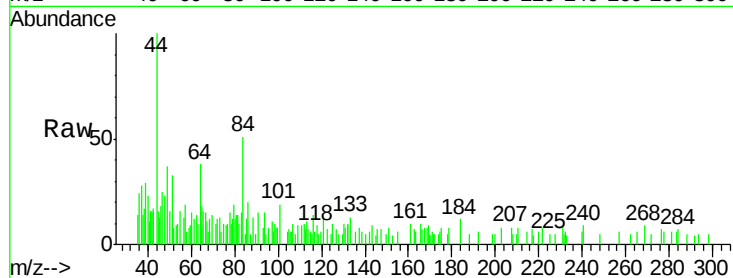




#20
Methvlene Chloride
Concen: 0.468 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007721.D
Acq: 26 Feb 2019 18:39

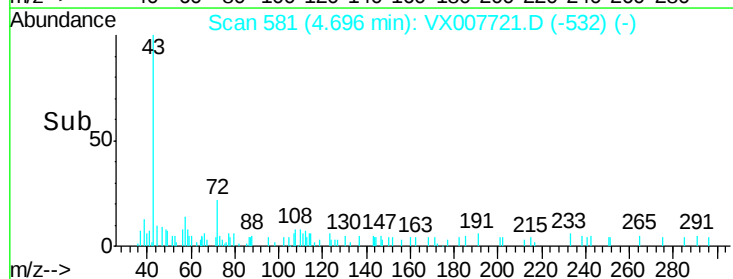
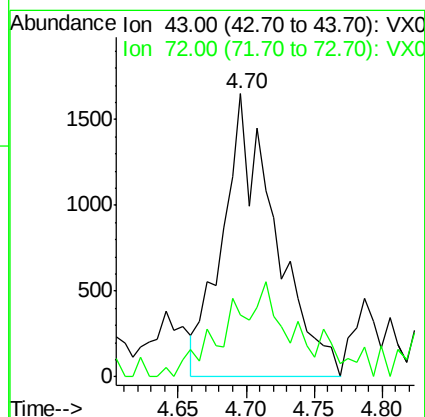
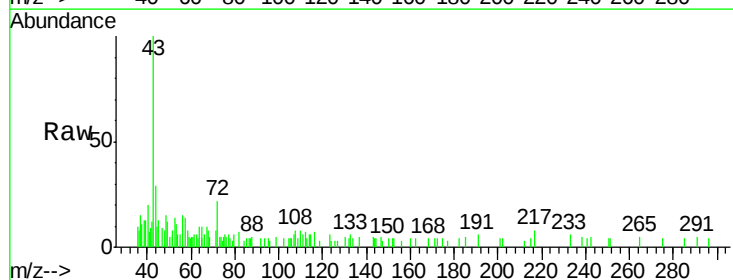
Instrument :
MSVOA_X
ClientSampleId :
A0C6-3-AQ

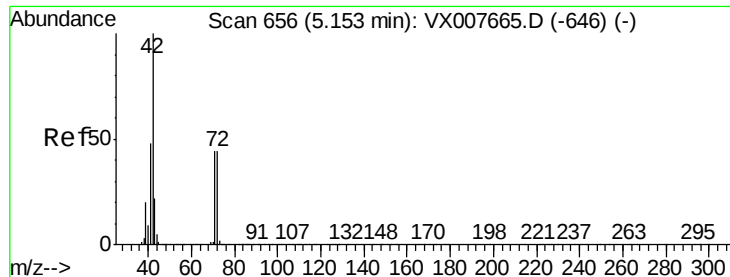
Tot Ion: 84 Resp: 1555
Ion Ratio Lower Upper
84 100
49 72.4 94.8 142.2#
51 31.7 29.8 44.8
86 39.7 54.1 81.1#



#25
2-Butanone
Concen: 1.614 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX007721.D
Acq: 26 Feb 2019 18:39

Tgt Ion: 43 Resp: 4427
Ion Ratio Lower Upper
43 100
72 16.9 22.2 33.2#





#29

Tetrahydrofuran

Concen: 0.863 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Instrument :

MSVOA_X

ClientSampled :

A0C6-3-AQ

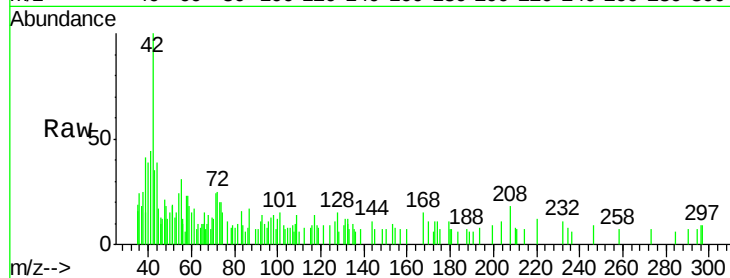
Tot Ion: 42 Resp: 1561

Ion Ratio Lower Upper

42 100

72 39.5 37.6 56.4

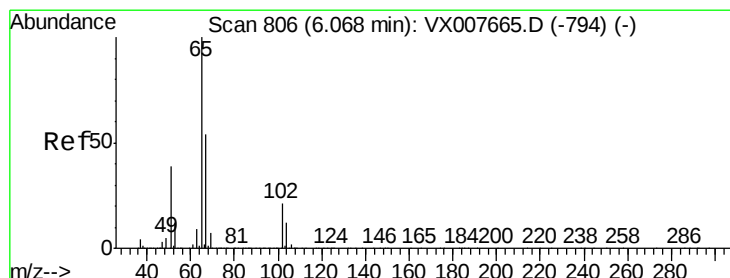
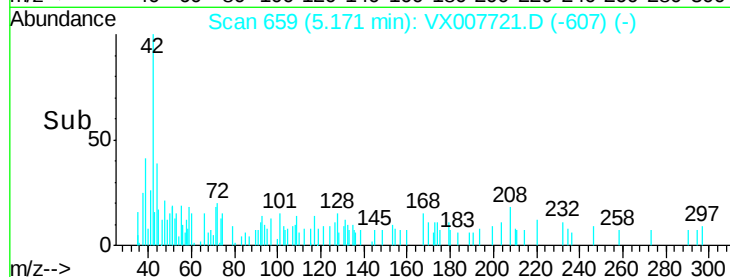
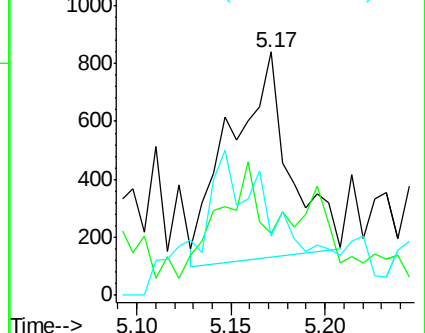
71 0.0 34.6 51.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.230 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007721.D

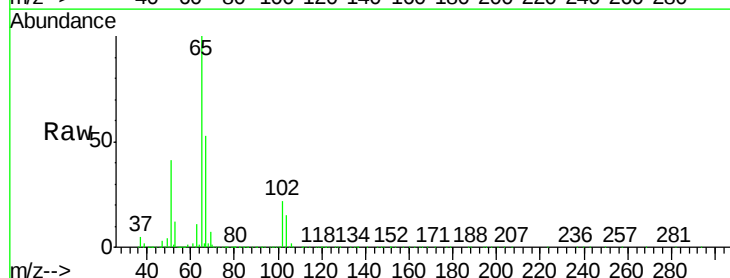
Acq: 26 Feb 2019 18:39

Tgt Ion: 65 Resp: 207485

Ion Ratio Lower Upper

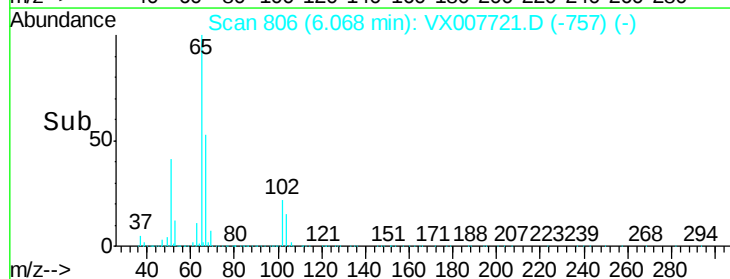
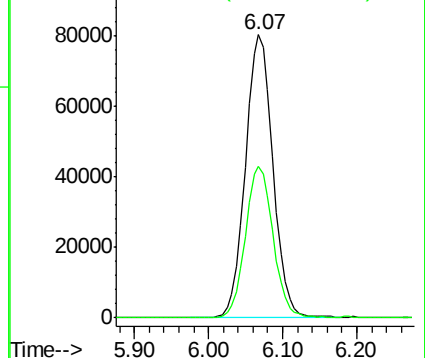
65 100

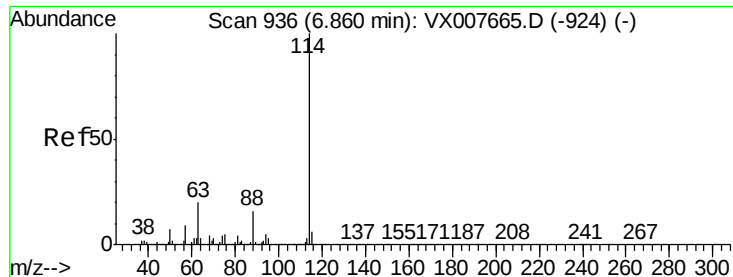
67 54.1 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

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A0C6-3-AQ

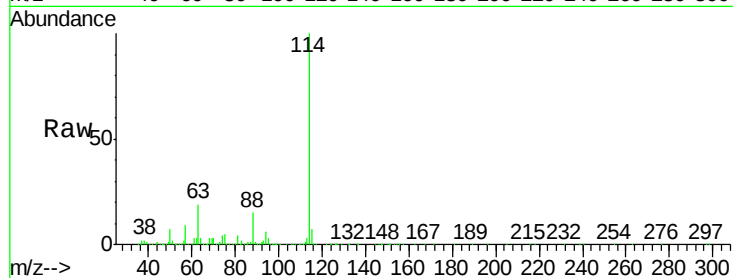
Tot Ion:114 Resp: 565946

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

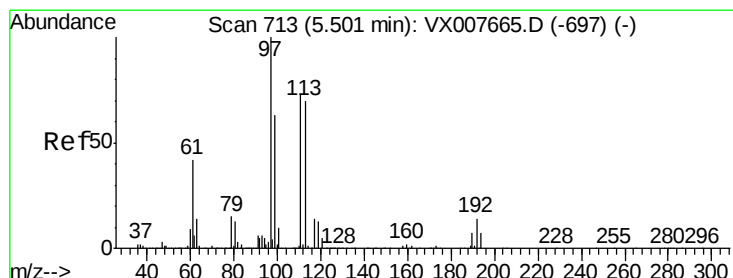
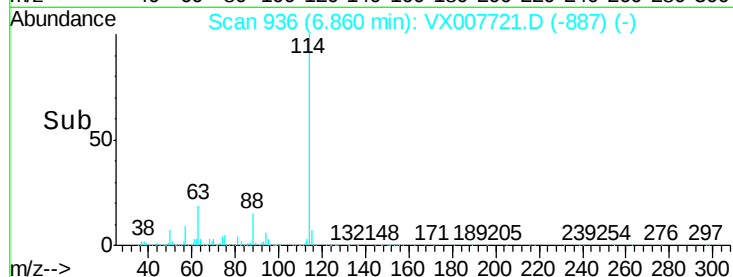
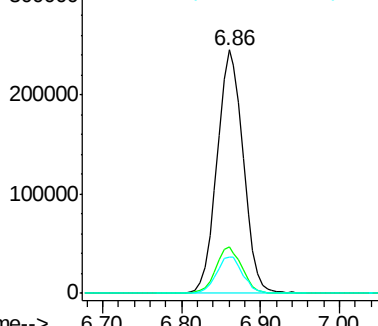
88 15.1 0.0 29.6



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: 50.687 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

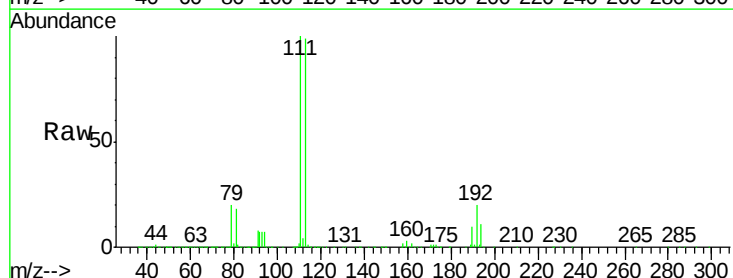
Tgt Ion:113 Resp: 191757

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

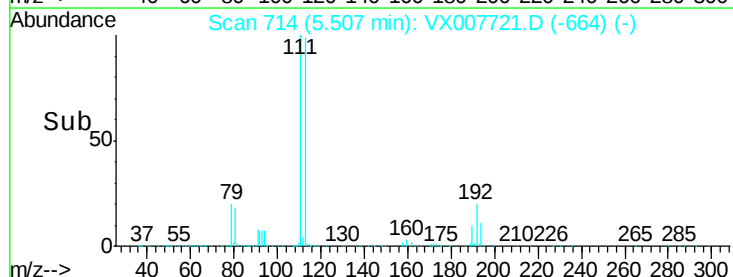
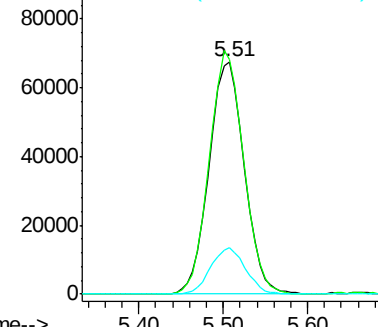
192 19.7 18.5 27.7

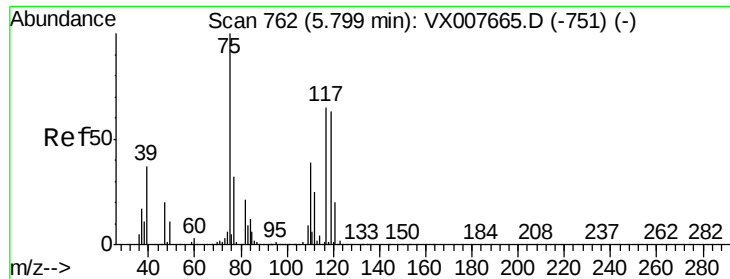


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

A0C6-3-AQ

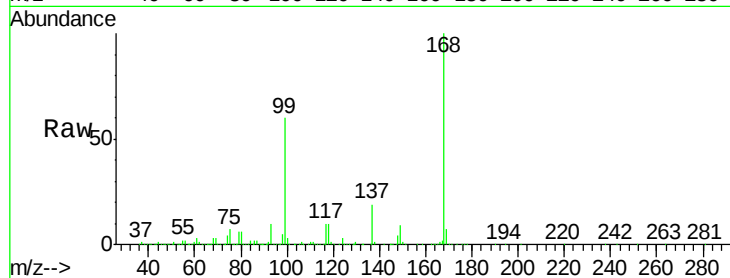
Tot Ion: 75 Resp: 23522

Ion Ratio Lower Upper

75 100

110 10.2 20.0 59.9#

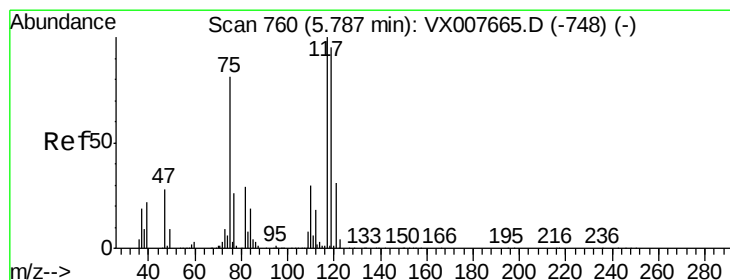
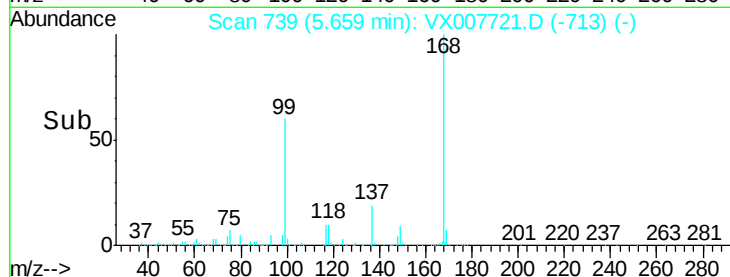
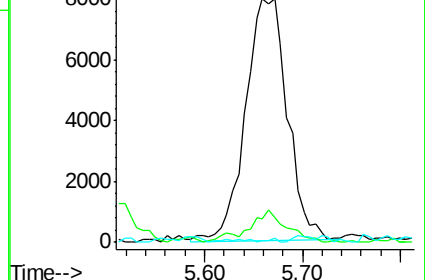
77 0.4 24.7 37.1#



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: 6.028 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

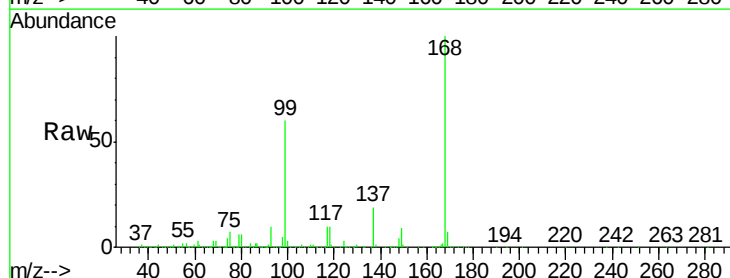
Tgt Ion:117 Resp: 30809

Ion Ratio Lower Upper

117 100

119 6.8 75.3 112.9#

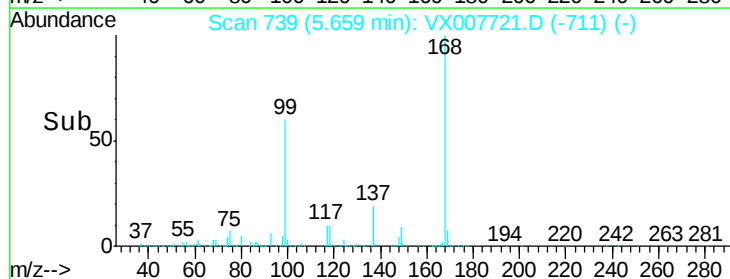
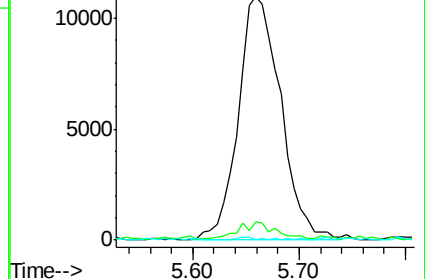
121 0.0 25.0 37.4#

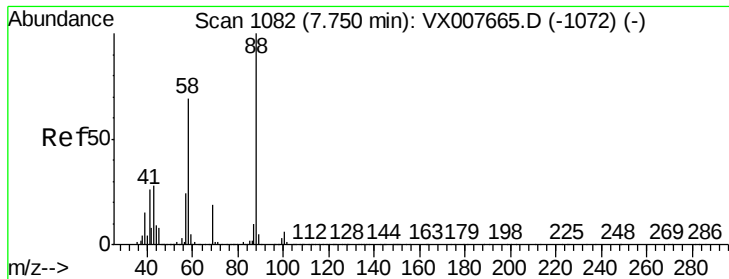


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 2.599 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

A0C6-3-AQ

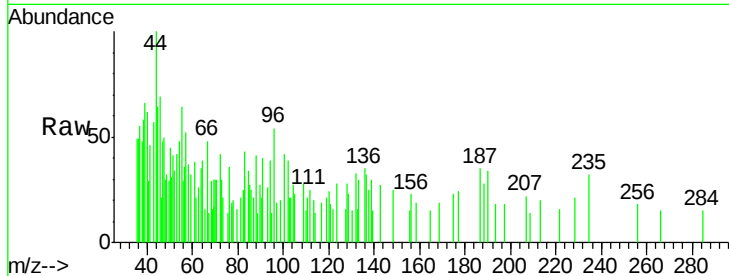
Tot Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

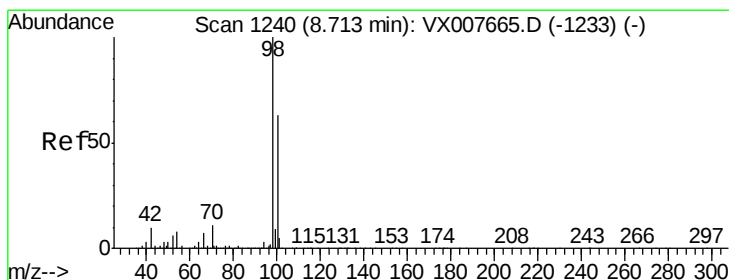
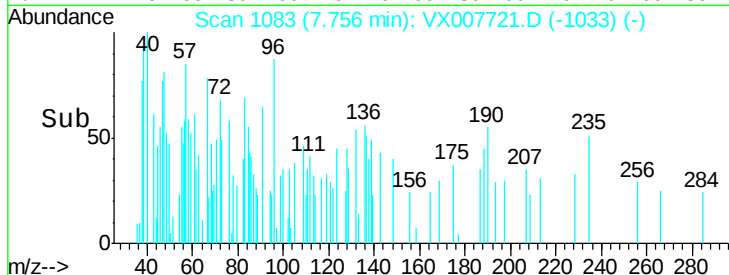
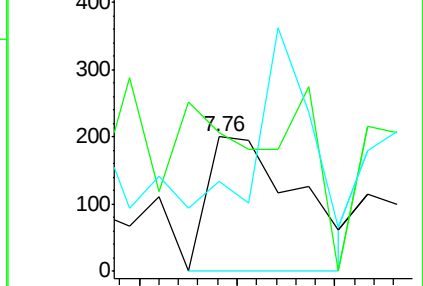
58 128.5 53.0 79.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.441 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007721.D

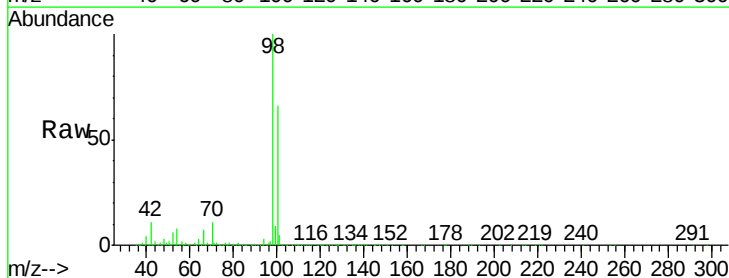
Acq: 26 Feb 2019 18:39

Tgt Ion: 98 Resp: 687115

Ion Ratio Lower Upper

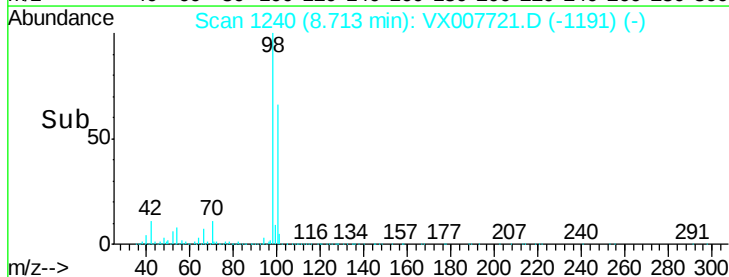
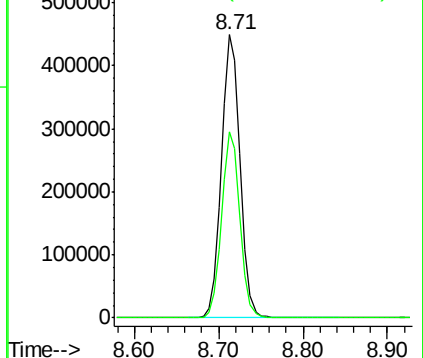
98 100

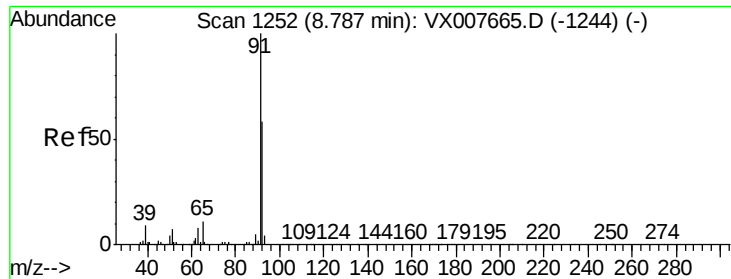
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.318 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

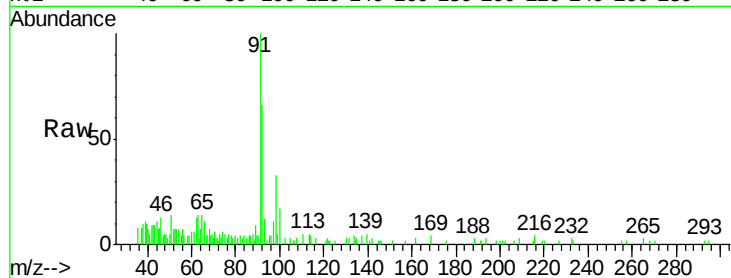
A0C6-3-AQ

Tot Ion: 92 Resp: 3148

Ion Ratio Lower Upper

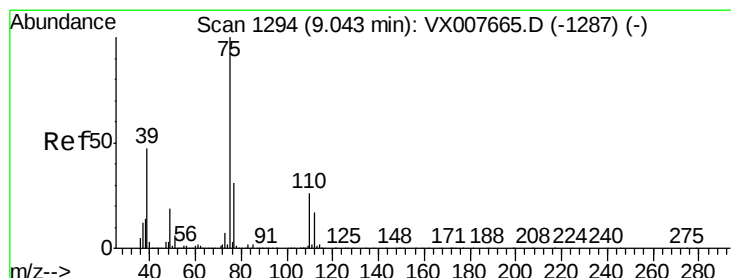
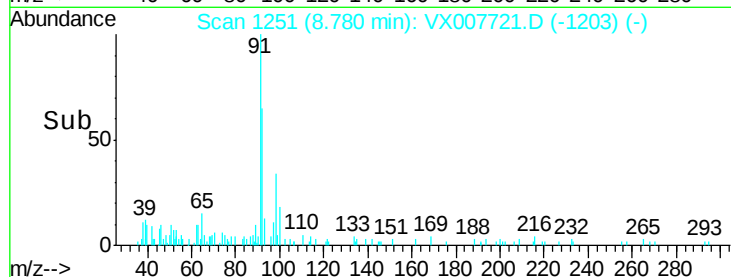
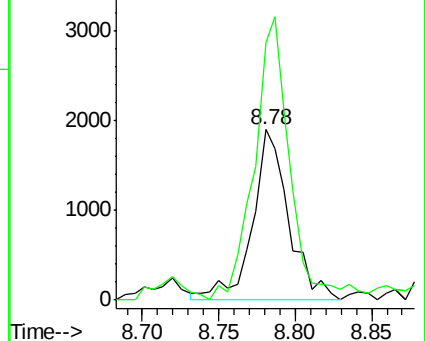
92 100

91 163.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.846 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX007721.D

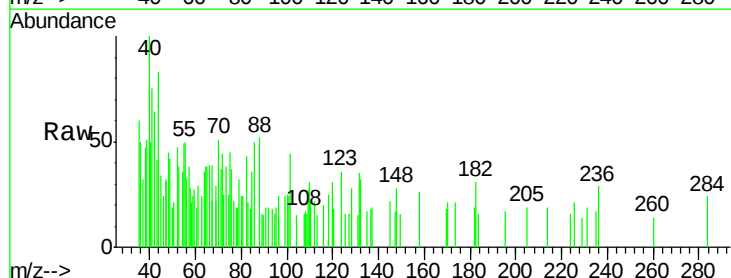
Acq: 26 Feb 2019 18:39

Tgt Ion: 75 Resp: 282

Ion Ratio Lower Upper

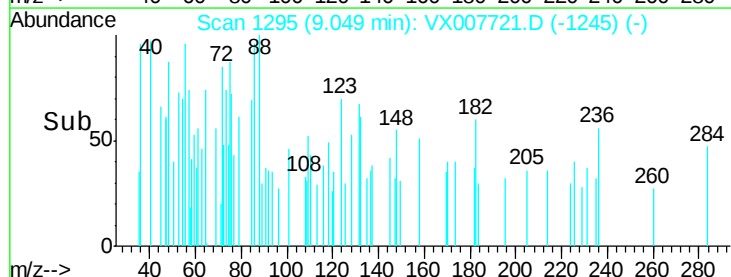
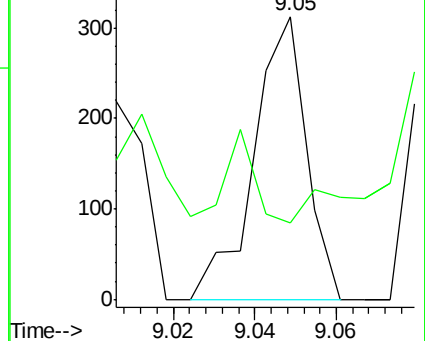
75 100

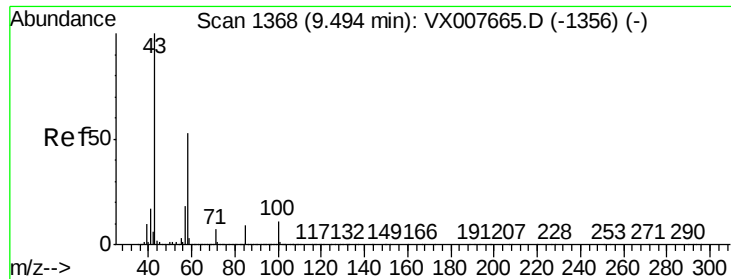
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

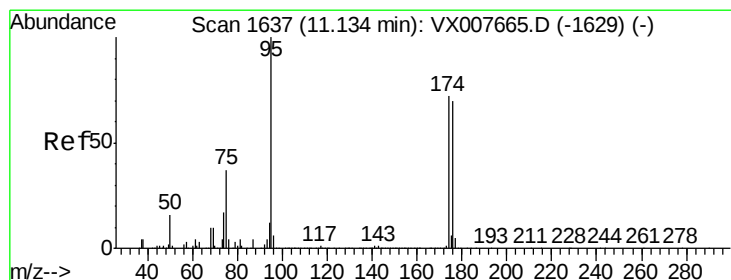
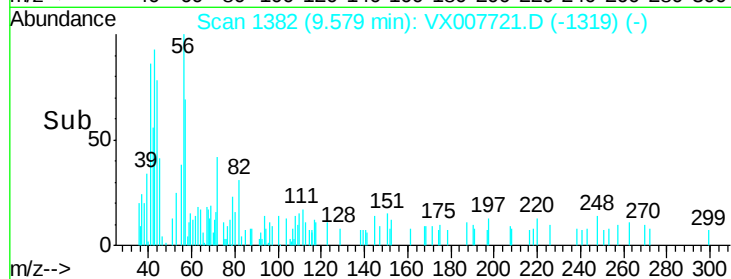
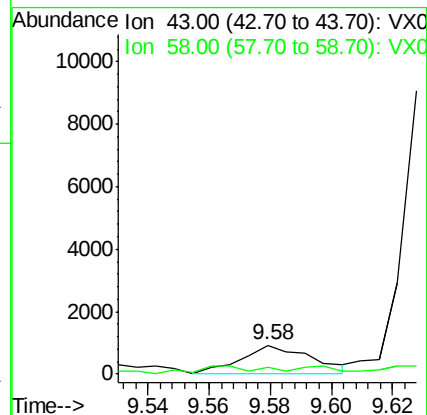
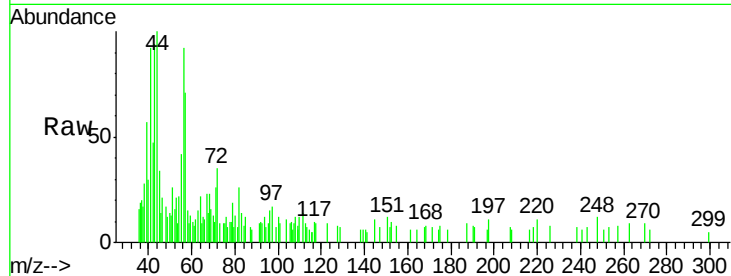




#59
2-Hexanone
Concen: 0.325 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.09 min
Lab File: VX007721.D
Acq: 26 Feb 2019 18:39

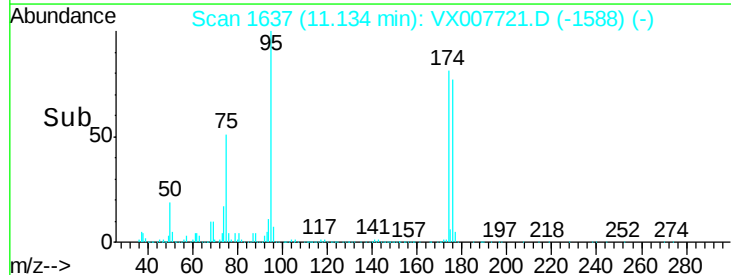
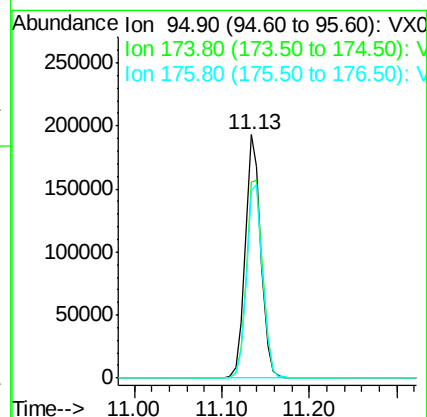
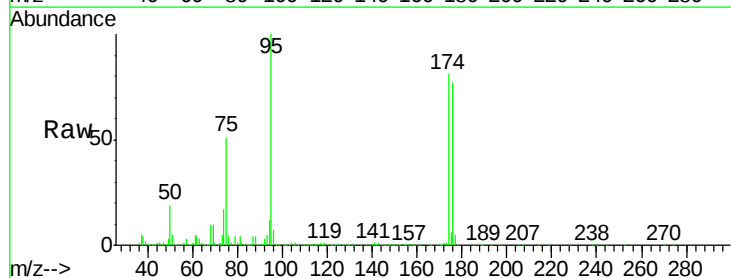
Instrument :
MSVOA_X
ClientSampleId :
A0C6-3-AQ

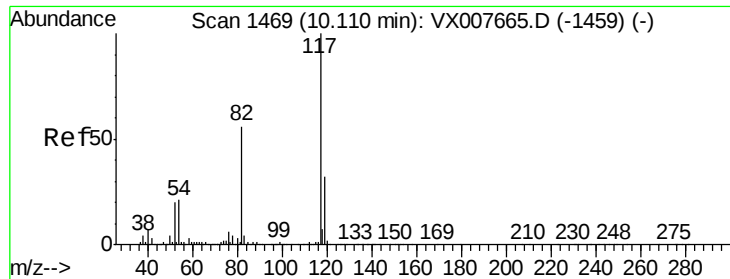
Tot Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
58 15.2 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 45.251 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007721.D
Acq: 26 Feb 2019 18:39

Tgt Ion: 95 Resp: 240551
Ion Ratio Lower Upper
95 100
174 85.4 0.0 189.2
176 81.7 0.0 186.2

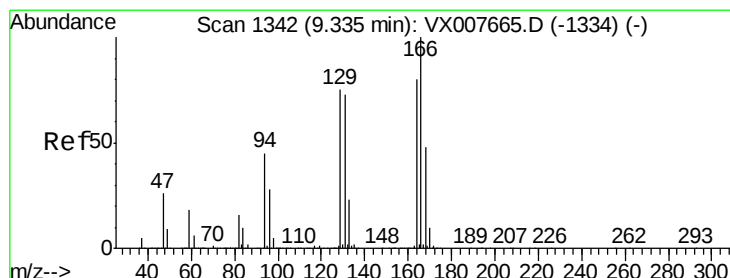
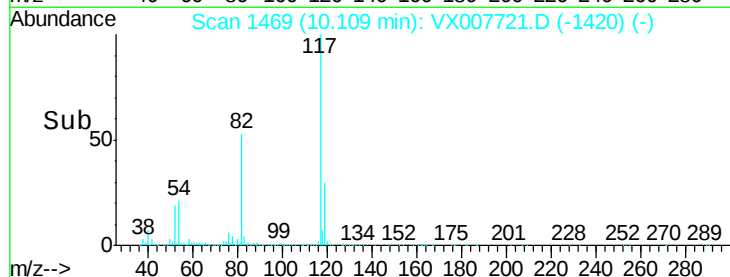
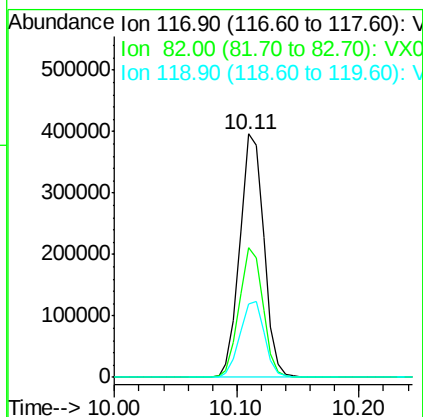
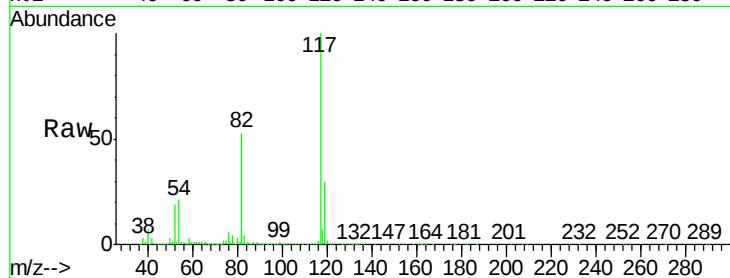




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007721.D
Acq: 26 Feb 2019 18:39

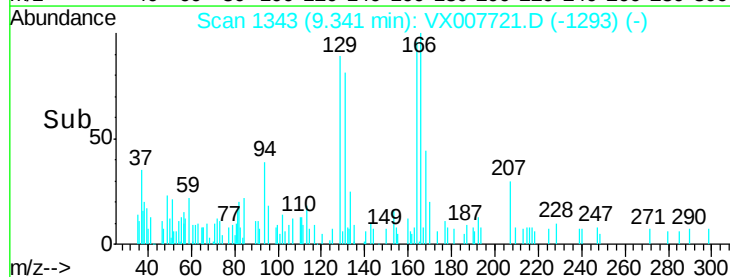
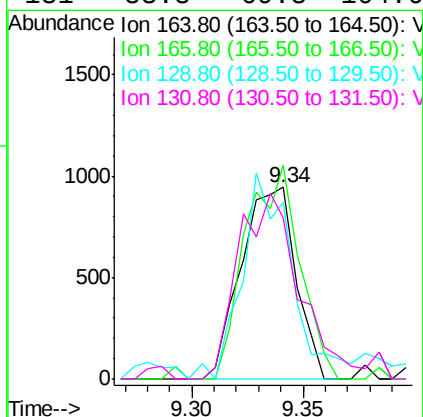
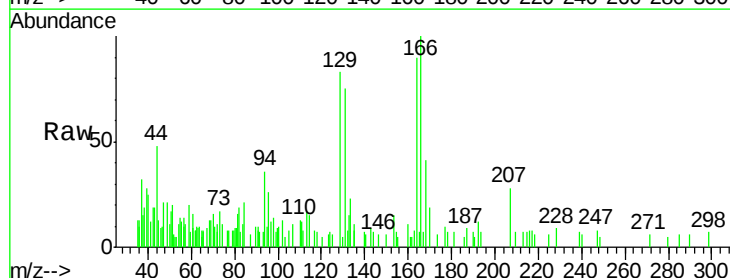
Instrument :
MSVOA_X
ClientSampleId :
A0C6-3-AQ

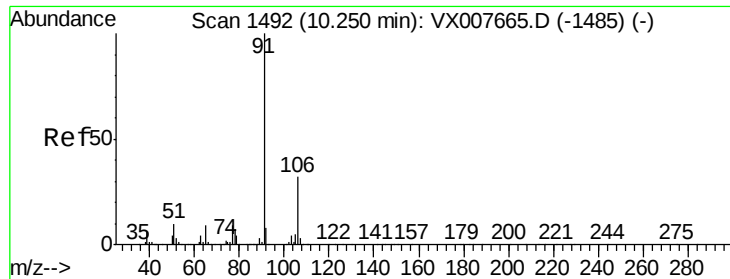
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	30.3	26.5	39.7



#64
Tetrachloroethene
Concen: 0.370 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX007721.D
Acq: 26 Feb 2019 18:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.3	101.0	151.4
129	92.2	70.5	105.7
131	83.8	69.8	104.6





#67

Ethyl Benzene

Concen: 0.318 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

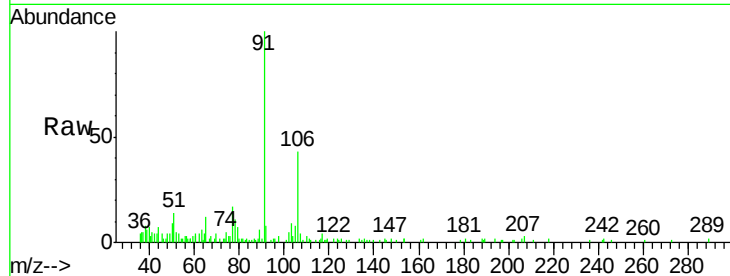
A0C6-3-AQ

Tot Ion: 91 Resp: 6139

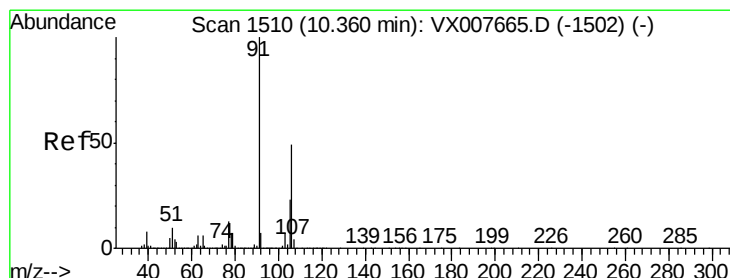
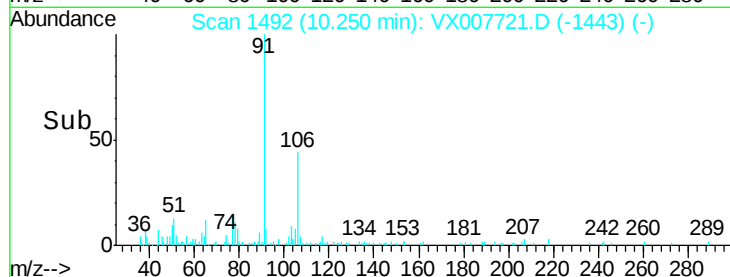
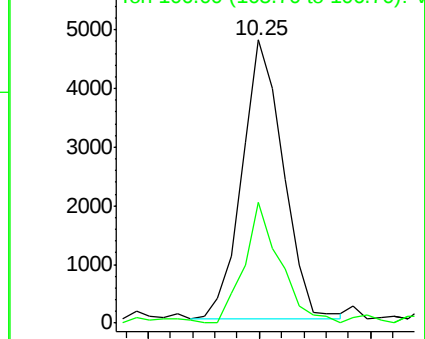
Ion Ratio Lower Upper

91 100

106 43.4 25.4 38.0#



Abundance Ion 91.00 (90.70 to 91.70): VX007665.D (-1485) (-)



#68

m/p-Xylenes

Concen: 2.058 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007721.D

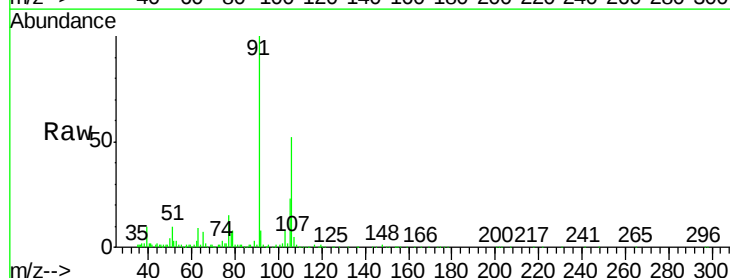
Acq: 26 Feb 2019 18:39

Tgt Ion: 106 Resp: 15445

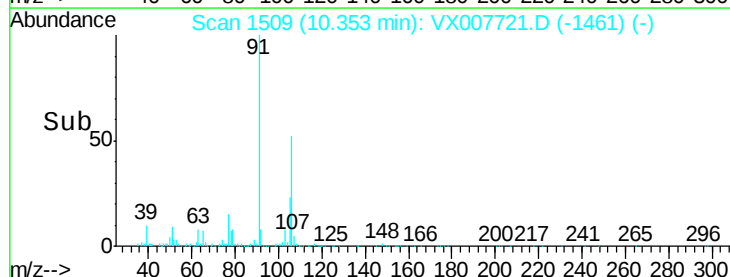
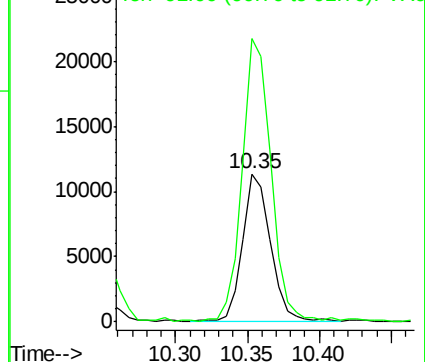
Ion Ratio Lower Upper

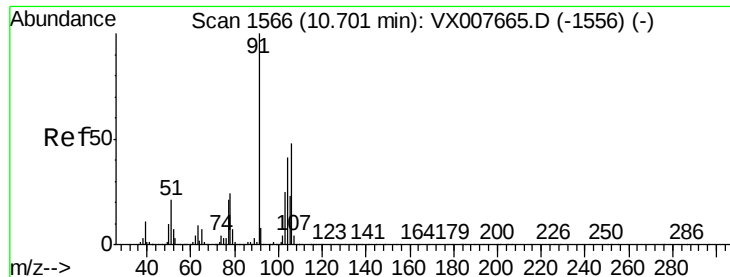
106 100

91 192.5 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): VX007665.D (-1502) (-)

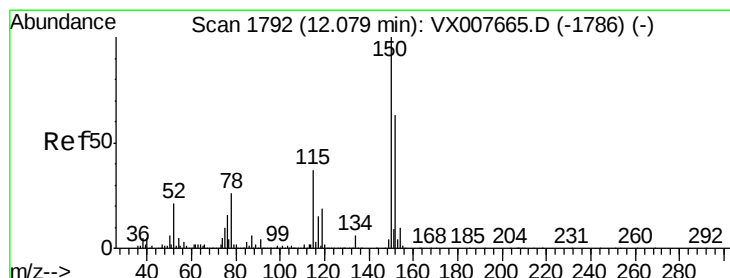
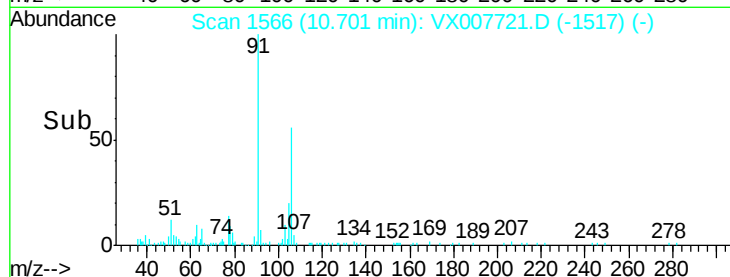
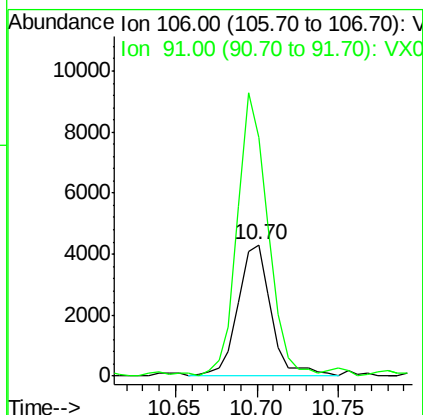
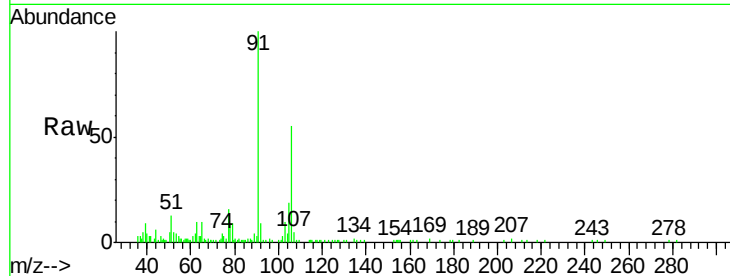




#69
o-Xylene
Concen: 0.850 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007721.D
Acq: 26 Feb 2019 18:39

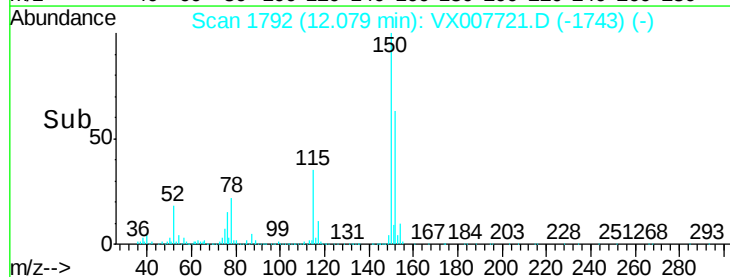
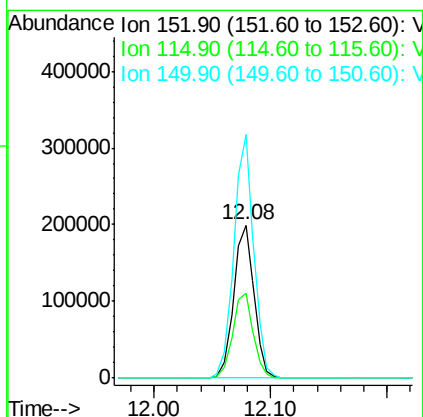
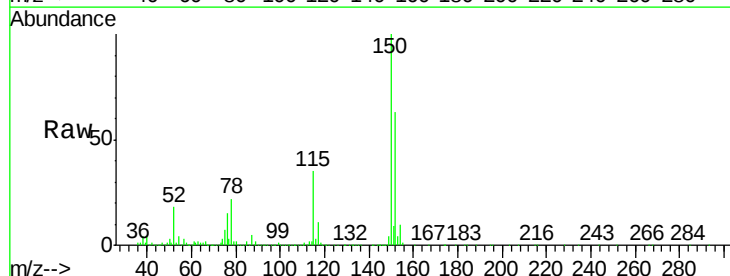
Instrument :
MSVOA_X
ClientSampled :
A0C6-3-AQ

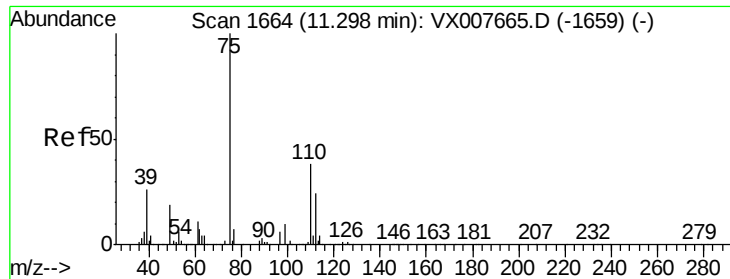
Tot Ion:106 Resp: 6138
Ion Ratio Lower Upper
106 100
91 197.3 102.9 308.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007721.D
Acq: 26 Feb 2019 18:39

Tgt Ion:152 Resp: 243197
Ion Ratio Lower Upper
152 100
115 56.1 38.0 114.0
150 154.7 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.759 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Instrument :

MSVOA_X

ClientSampled :

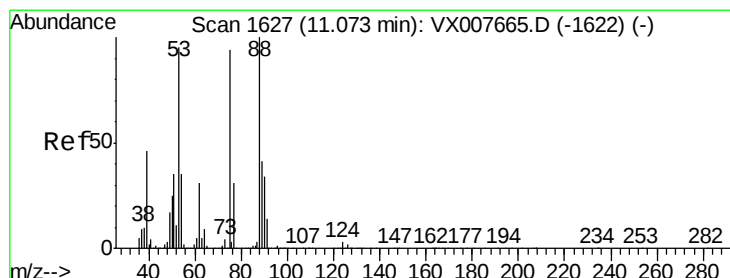
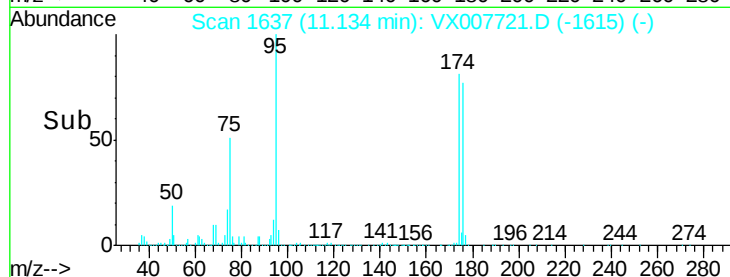
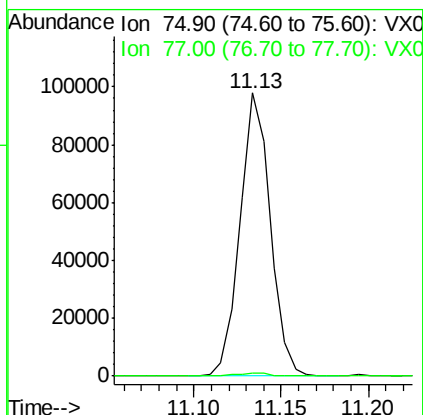
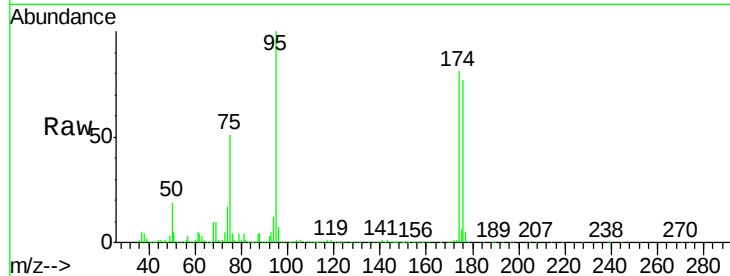
A0C6-3-AQ

Tot Ion: 75 Resp: 117978

Ion Ratio Lower Upper

75 100

77 1.7 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.326 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007721.D

Acq: 26 Feb 2019 18:39

Tgt Ion: 75 Resp: 117978

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.1 41.4 62.0#

