

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001907.D
 Acq On : 22 May 2018 21:25
 Operator : JC/MD
 Sample : PB109525ZHE#14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:23:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	240060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147242	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	158897	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	5.51	113	131838	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	8.72	98	466330	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	11.14	95	138974	38.87	ug/l	0.00
Spiked Amount			Recovery	=	77.74%	

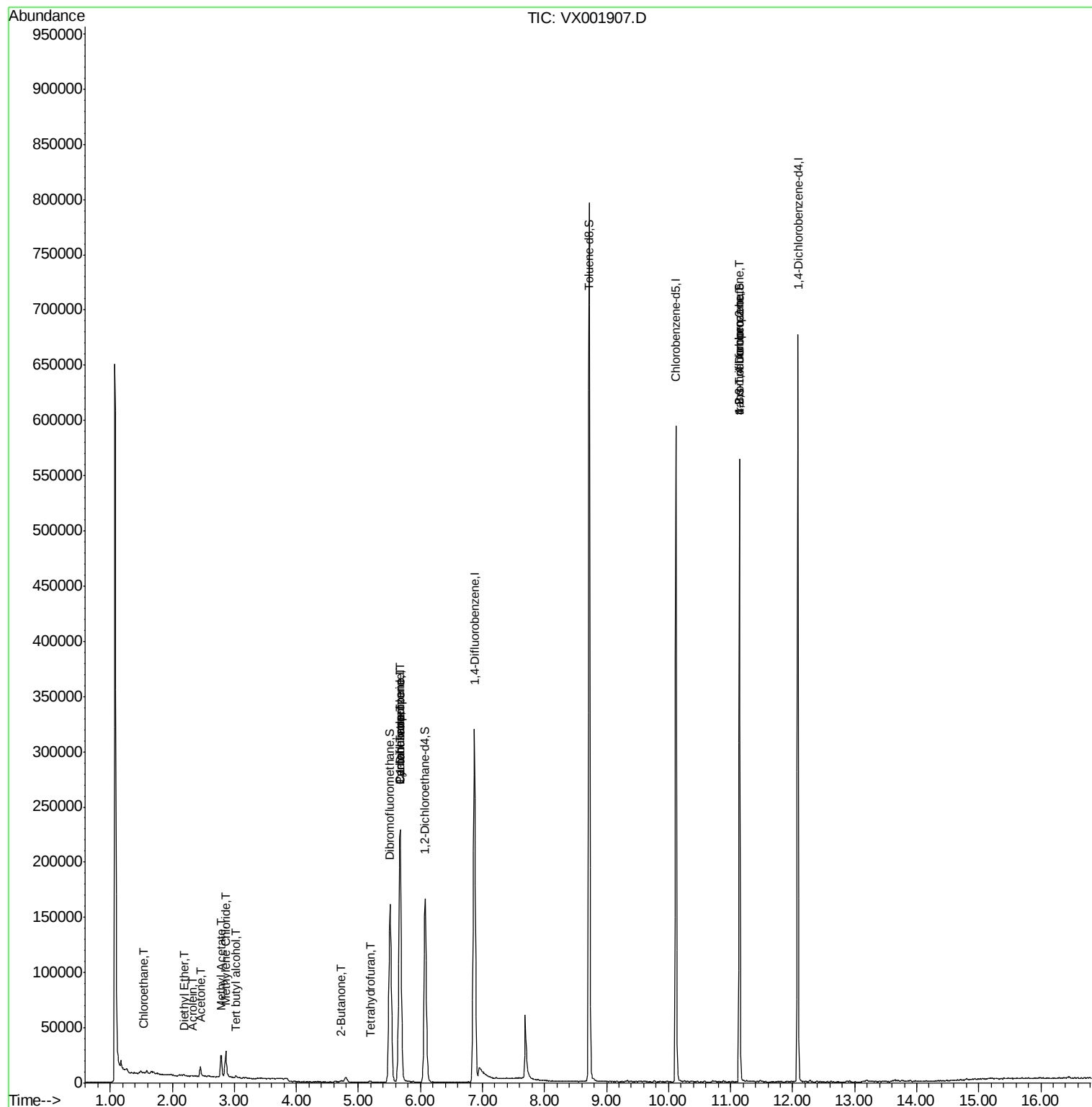
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	859	Below Cal		90
6) Chloroethane	1.55	64	2383	1.34	ug/l #	58
8) Diethyl Ether	2.19	74	483	0.29	ug/l	92
11) Tert butyl alcohol	3.02	59	1446	2.53	ug/l #	72
13) Acrolein	2.32	56	113	0.28	ug/l #	57
16) Acetone	2.45	43	8784	6.95	ug/l	95
18) Methyl Acetate	2.78	43	24224	6.56	ug/l	100
20) Methylene Chloride	2.86	84	10791	3.99	ug/l	98
25) 2-Butanone	4.71	43	2450	1.27	ug/l #	85
29) Tetrahydrofuran	5.18	42	1204	0.95	ug/l #	71
31) Cyclohexane	5.67	56	4053	1.00	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14175	3.75	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20647	5.21	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	67275	24.03	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	67275	70.18	ug/l #	10

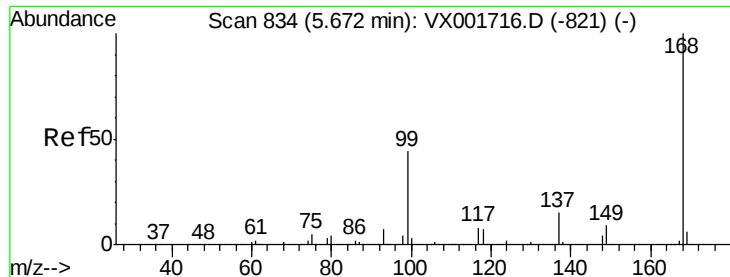
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

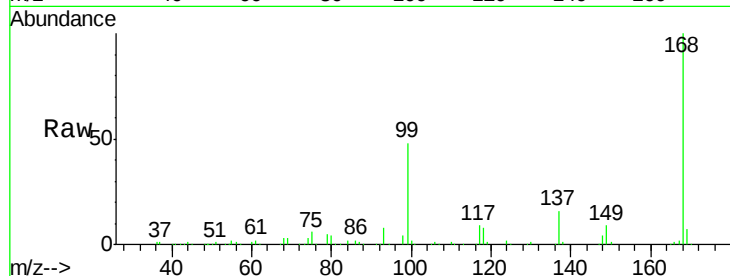
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 240060

Ion Ratio Lower Upper

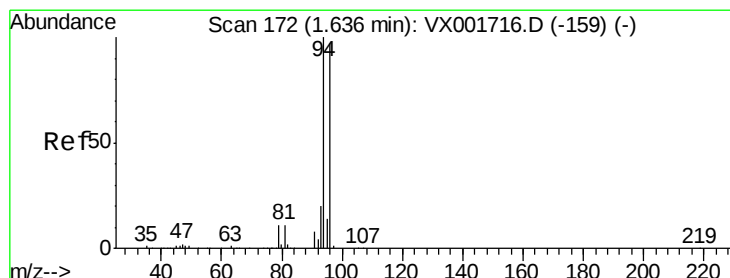
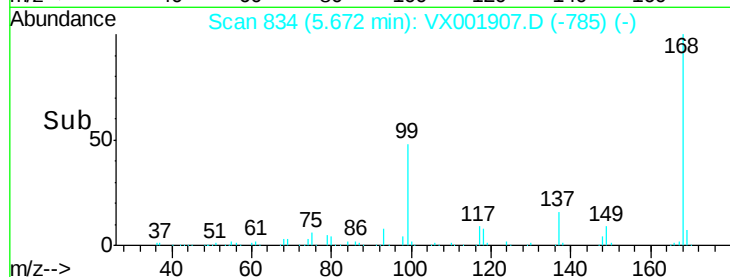
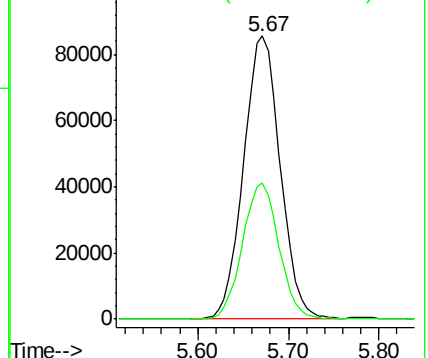
168 100

99 47.9 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001907.D

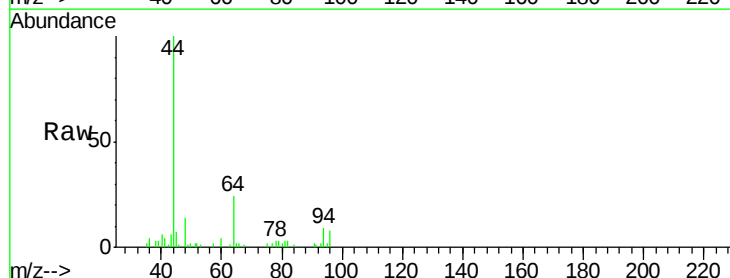
Acq: 22 May 2018 21:25

Tgt Ion: 94 Resp: 859

Ion Ratio Lower Upper

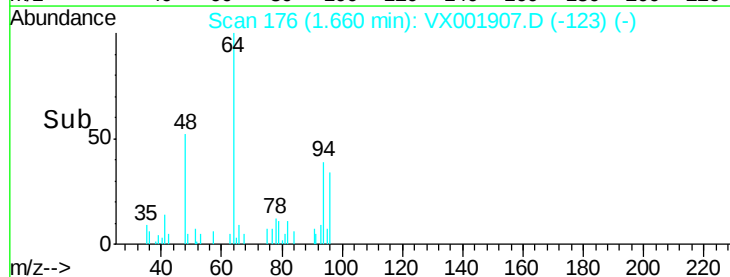
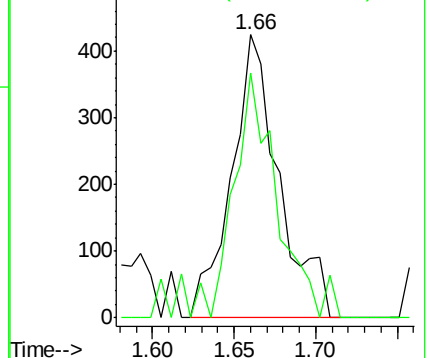
94 100

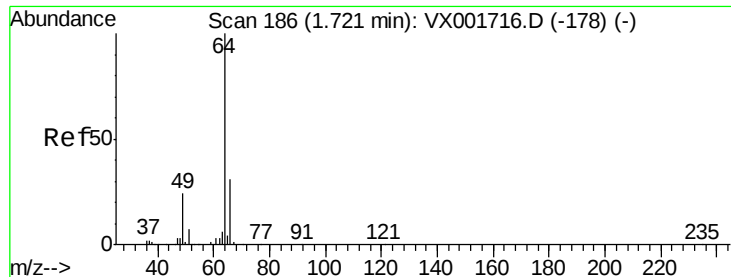
96 86.6 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.34 ug/l

RT: 1.55 min Scan# 158

Delta R.T. -0.17 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

Instrument :

MSVOA_X

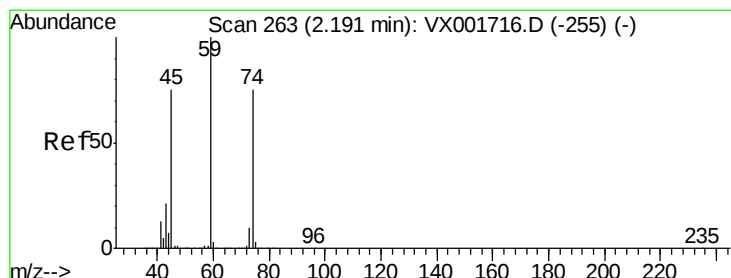
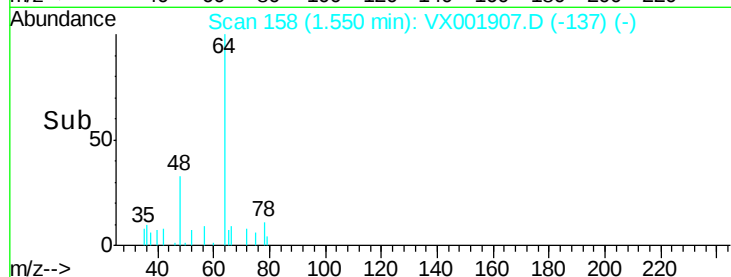
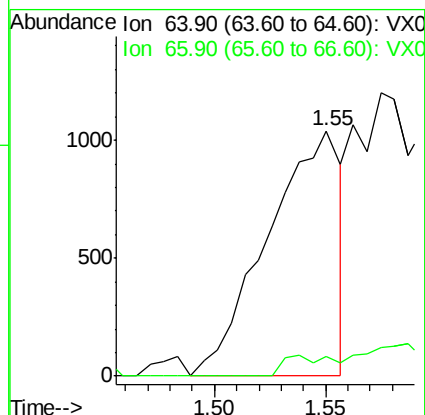
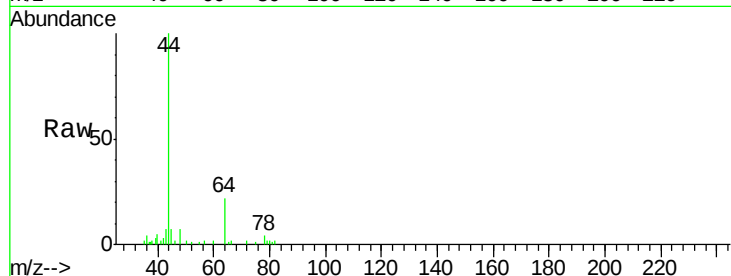
ClientSampled :

Tot Ion: 64 Resp: 2383

Ion Ratio Lower Upper

64 100

66 8.2 25.2 37.8#



#8

Diethyl Ether

Concen: 0.29 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001907.D

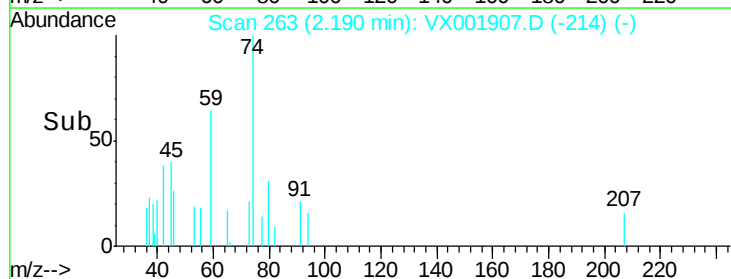
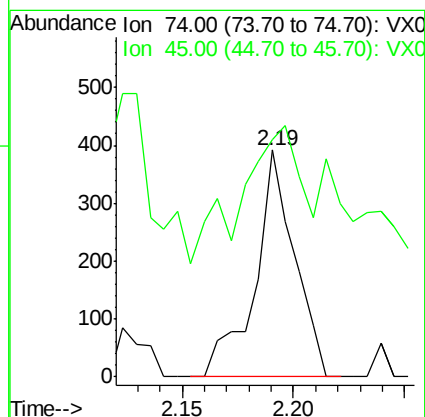
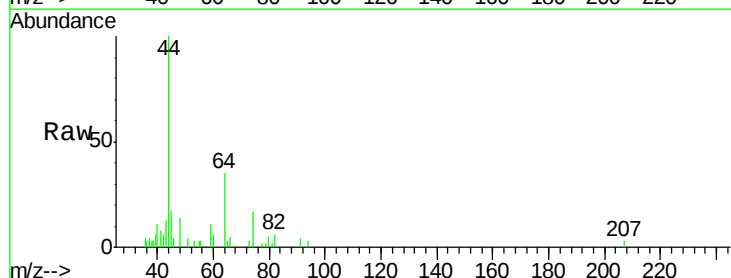
Acq: 22 May 2018 21:25

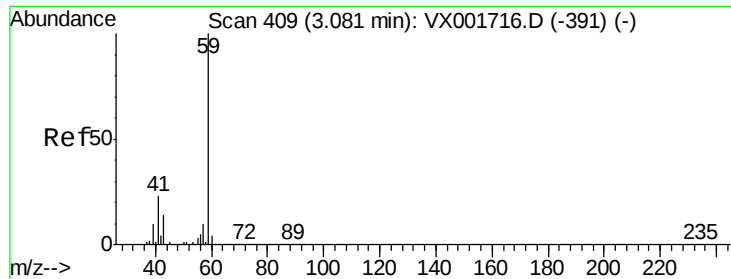
Tgt Ion: 74 Resp: 483

Ion Ratio Lower Upper

74 100

45 92.3 50.0 149.8

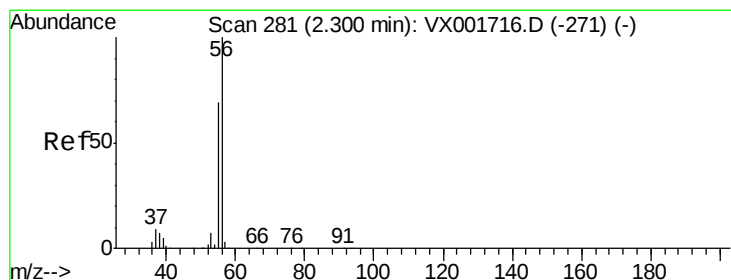
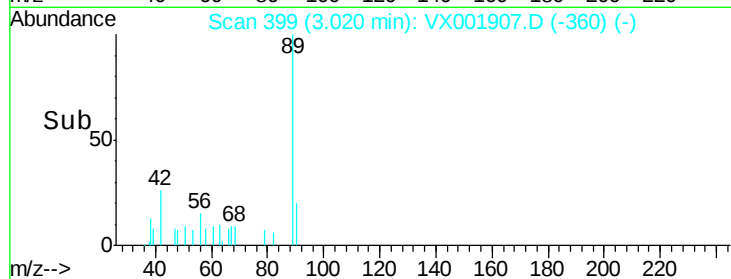
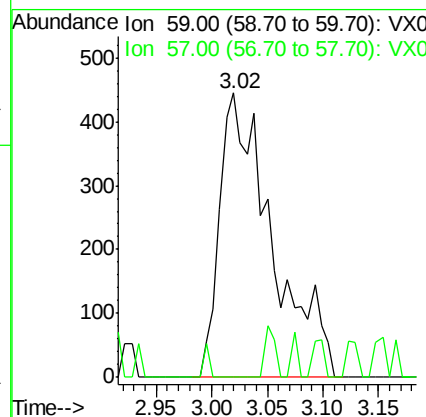
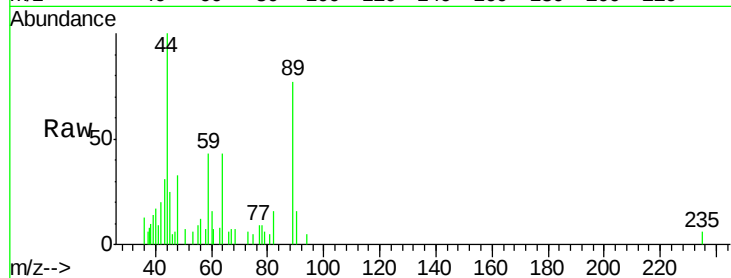




#11
Tert butyl alcohol
Concen: 2.53 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX001907.D
Acq: 22 May 2018 21:25

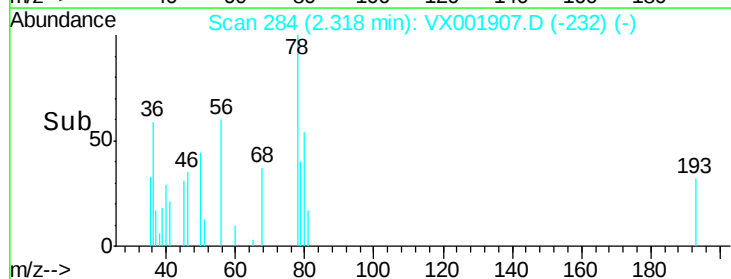
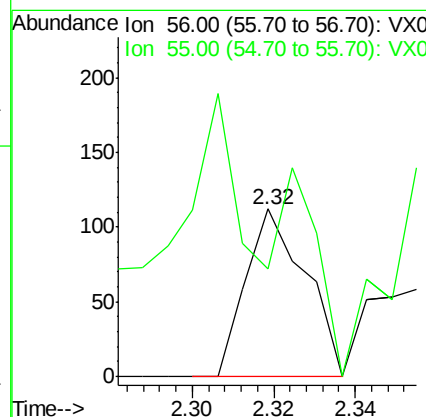
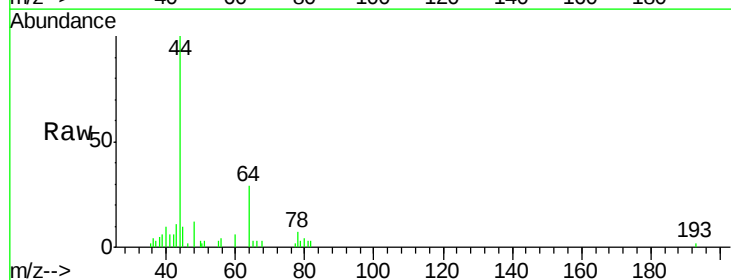
Instrument :
MSVOA_X
ClientSampled :

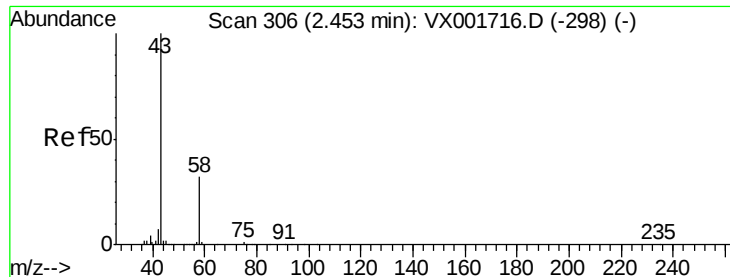
Tot Ion: 59 Resp: 1446
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.28 ug/l
RT: 2.32 min Scan# 284
Delta R.T. 0.02 min
Lab File: VX001907.D
Acq: 22 May 2018 21:25

Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 105.3 56.2 84.2#





#16

Acetone

Concen: 6.95 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

Instrument :

MSVOA_X

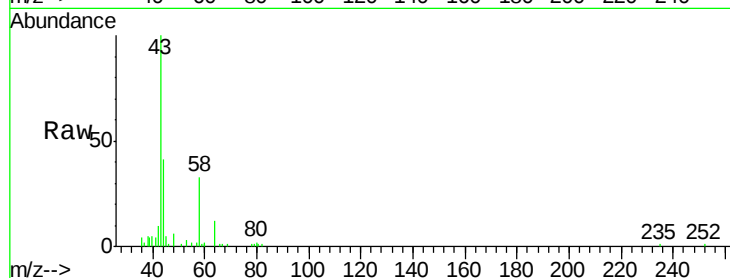
ClientSampleId :

Tot Ion: 43 Resp: 8784

Ion Ratio Lower Upper

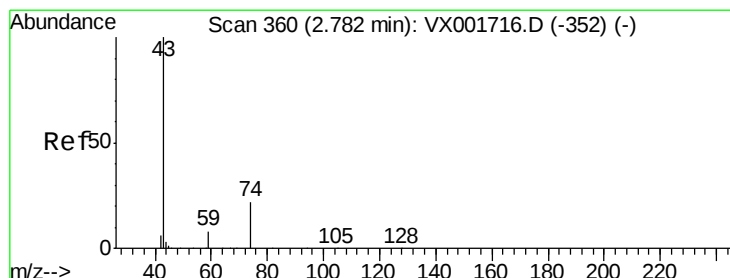
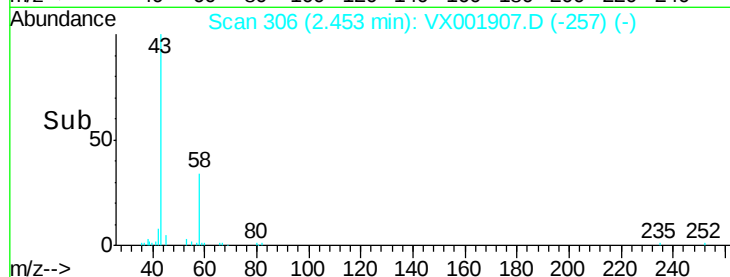
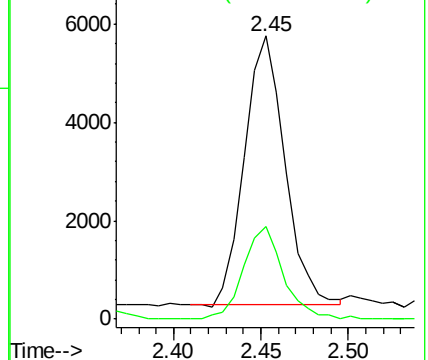
43 100

58 34.2 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 6.56 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001907.D

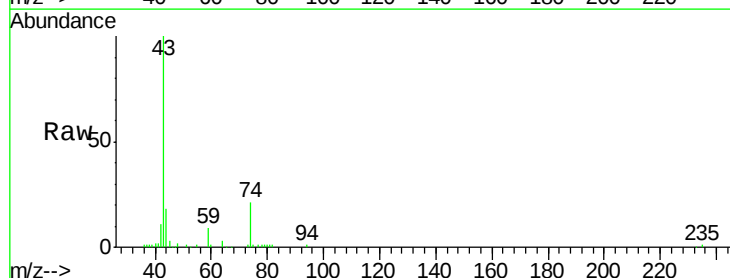
Acq: 22 May 2018 21:25

Tgt Ion: 43 Resp: 24224

Ion Ratio Lower Upper

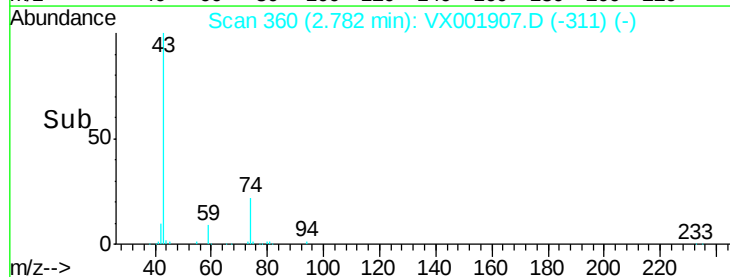
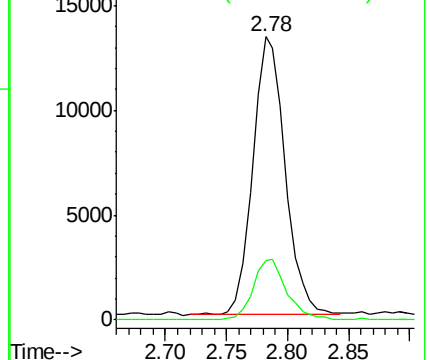
43 100

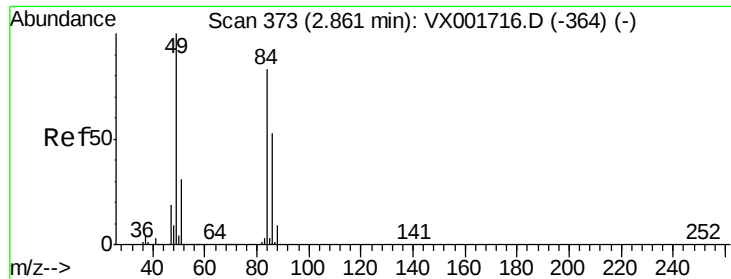
74 22.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 3.99 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 10791

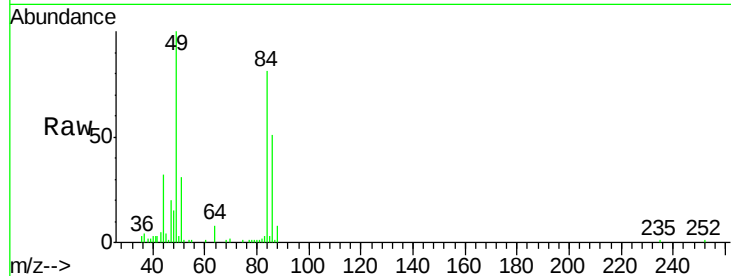
Ion Ratio Lower Upper

84 100

49 122.1 96.3 144.5

51 38.6 29.8 44.6

86 62.5 51.0 76.6

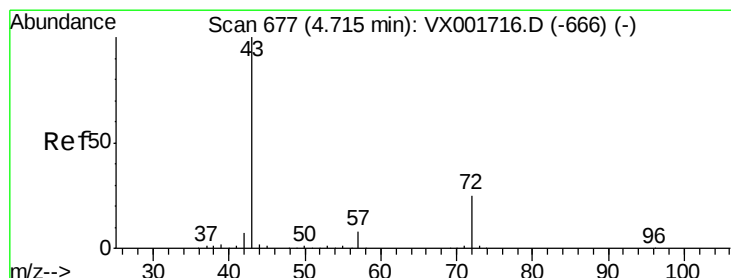
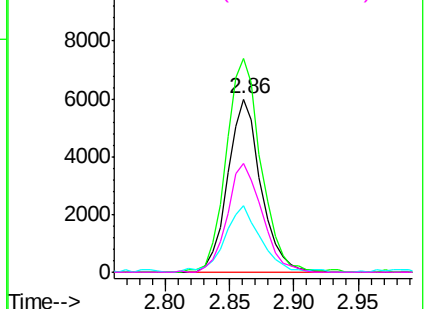
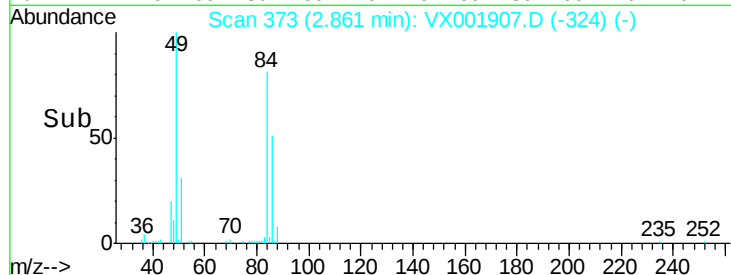


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1.27 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001907.D

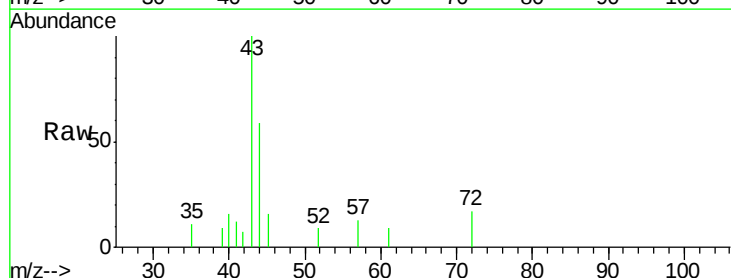
Acq: 22 May 2018 21:25

Tgt Ion: 43 Resp: 2450

Ion Ratio Lower Upper

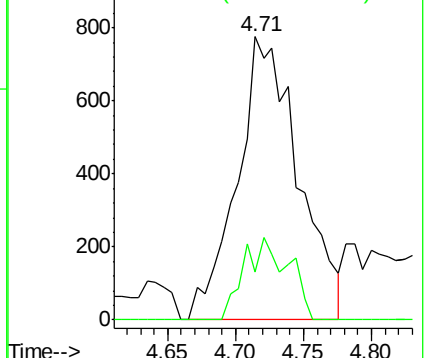
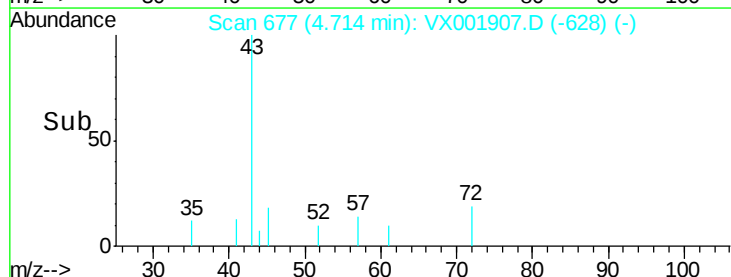
43 100

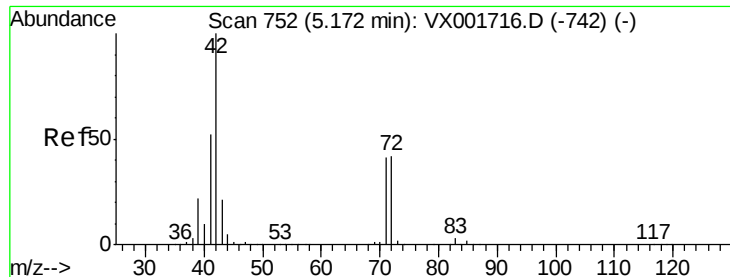
72 17.2 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

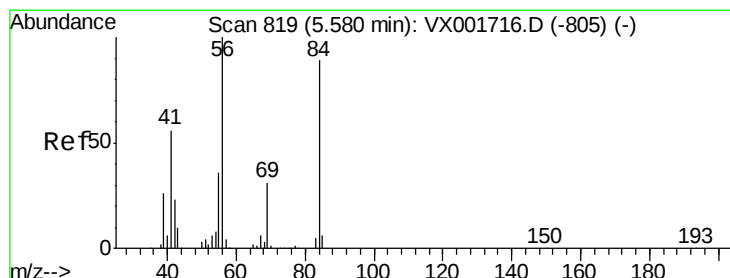
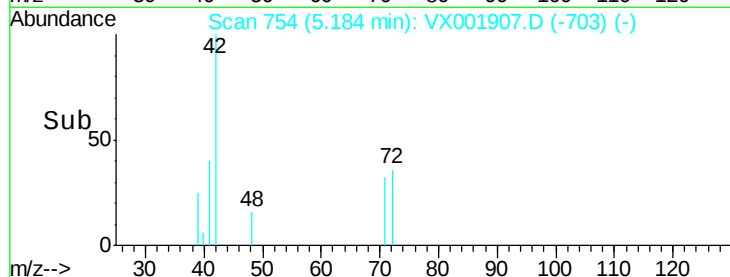
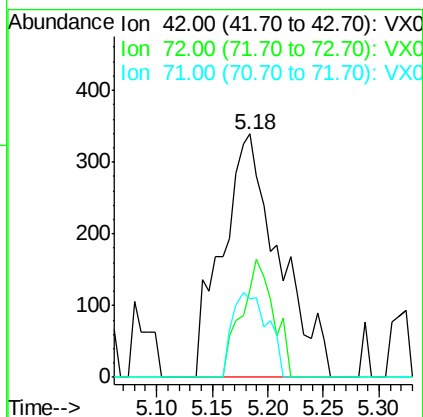
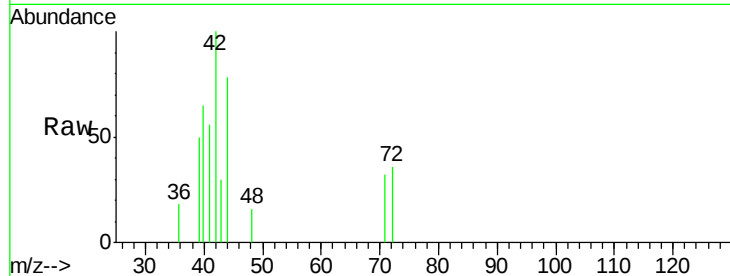




#29
Tetrahydrofuran
Concen: 0.95 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001907.D
Acq: 22 May 2018 21:25

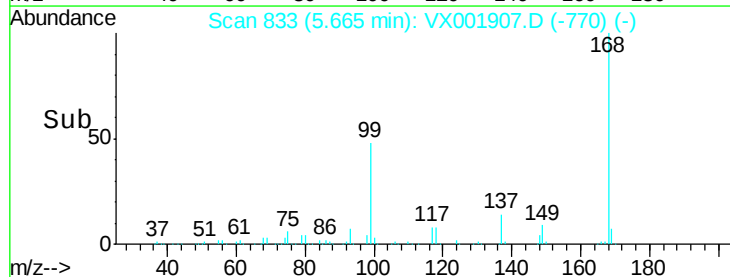
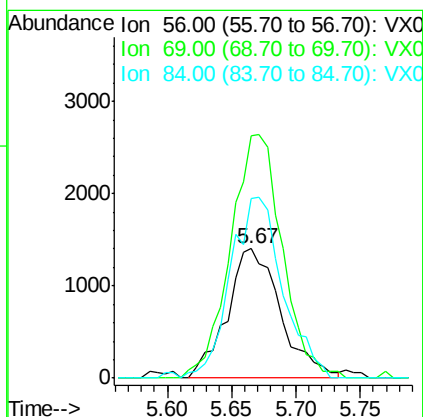
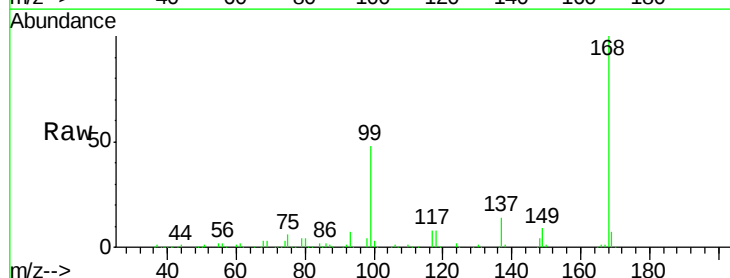
Instrument :
MSVOA_X
ClientSampled :

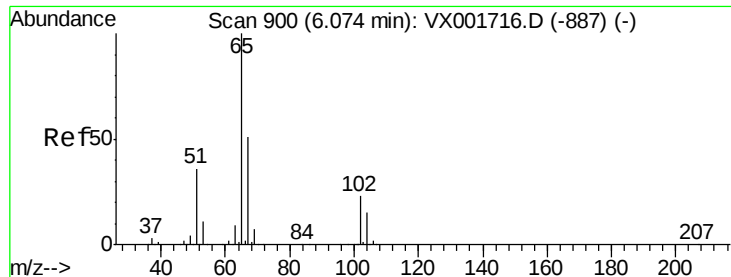
Tot Ion: 42 Resp: 1204
Ion Ratio Lower Upper
42 100
72 27.2 35.4 53.2#
71 21.7 33.2 49.8#



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001907.D
Acq: 22 May 2018 21:25

Tgt Ion: 56 Resp: 4053
Ion Ratio Lower Upper
56 100
69 181.9 25.0 37.6#
84 139.1 71.0 106.4#

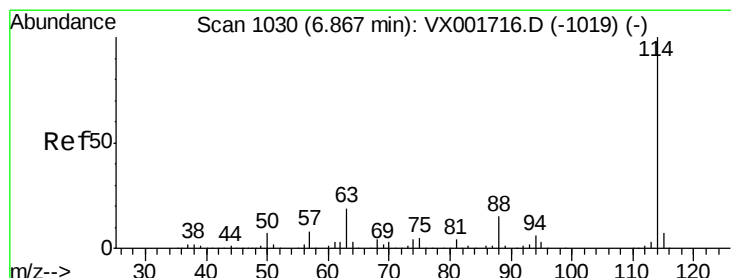
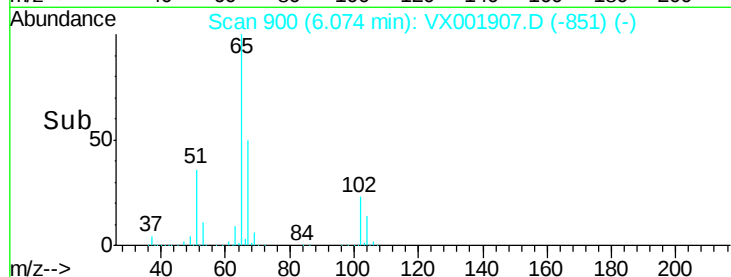
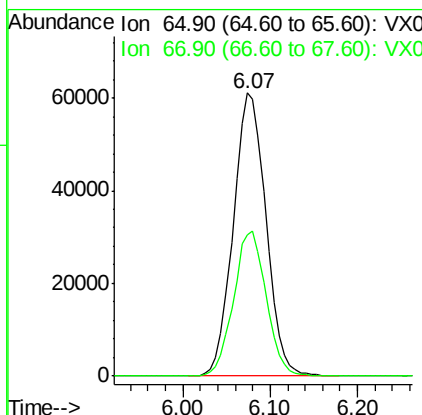
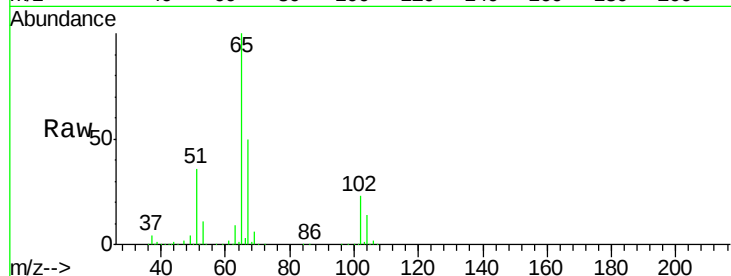




#33
 1,2-Dichloroethane-d4
 Concen: 49.38 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001907.D
 Acq: 22 May 2018 21:25

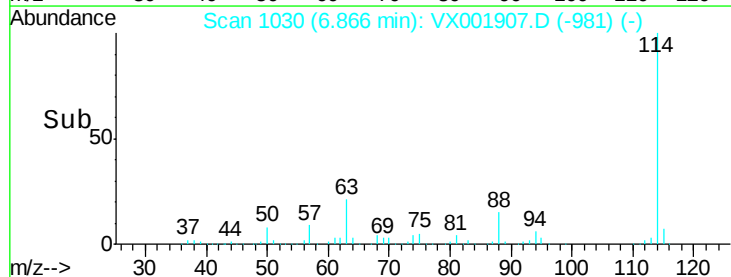
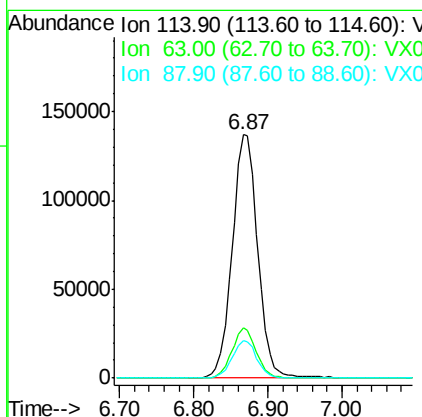
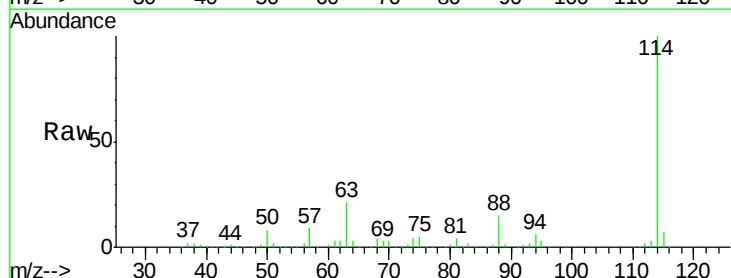
Instrument :
 MSVOA_X
 ClientSampleId :

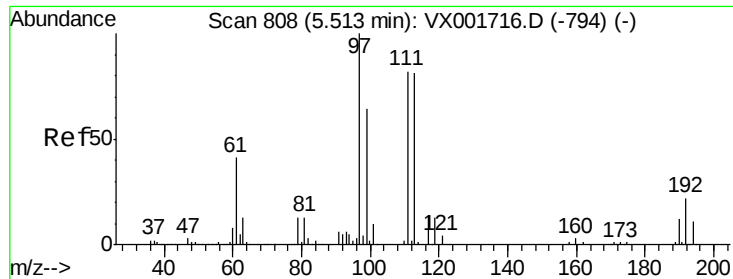
Tot Ion: 65 Resp: 158897
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001907.D
 Acq: 22 May 2018 21:25

Tgt Ion: 114 Resp: 328534
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 37.0
 88 15.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 47.55 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :

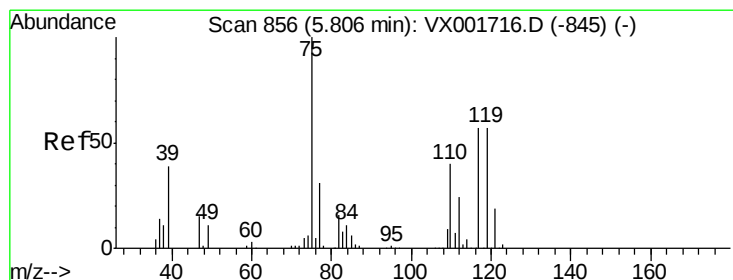
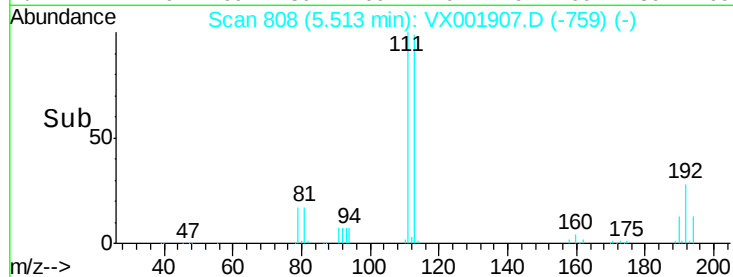
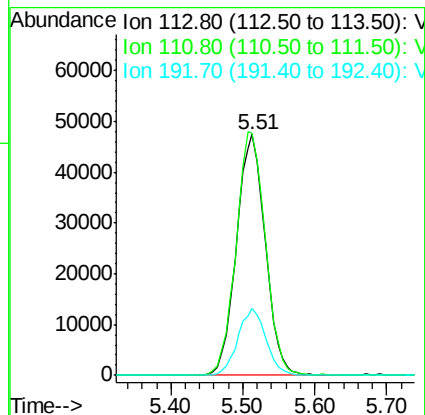
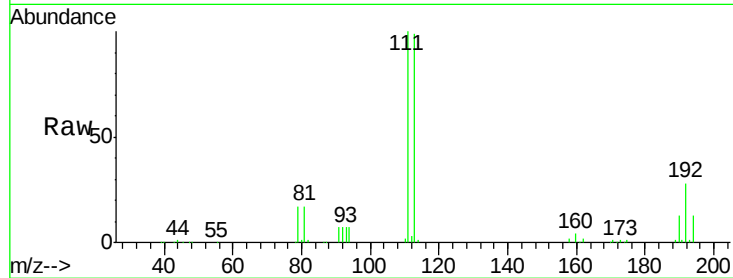
Tot Ion:113 Resp: 131838

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 27.1 21.6 32.4



#36

1,1-Dichloropropene

Concen: 3.75 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

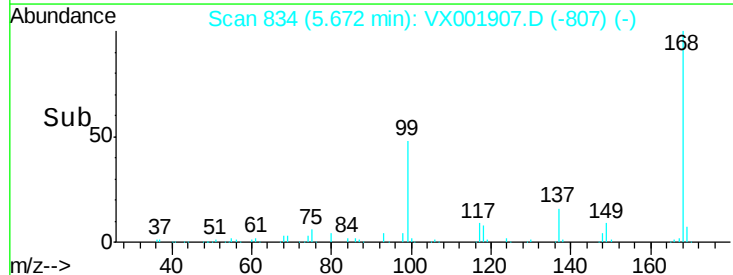
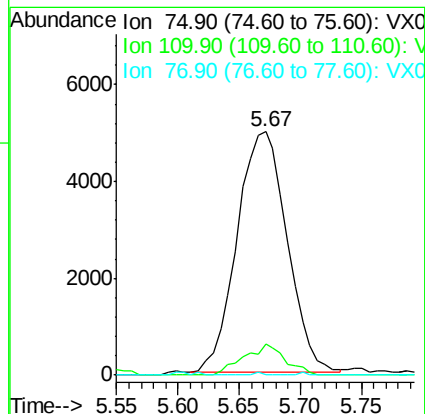
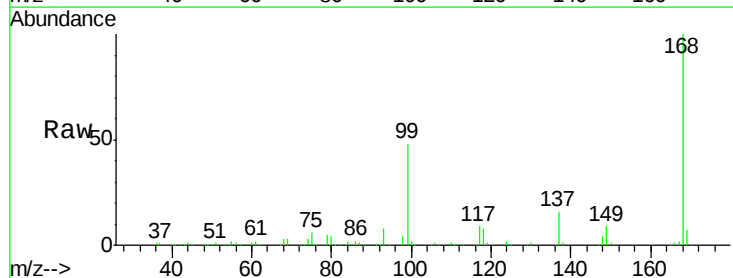
Tgt Ion: 75 Resp: 14175

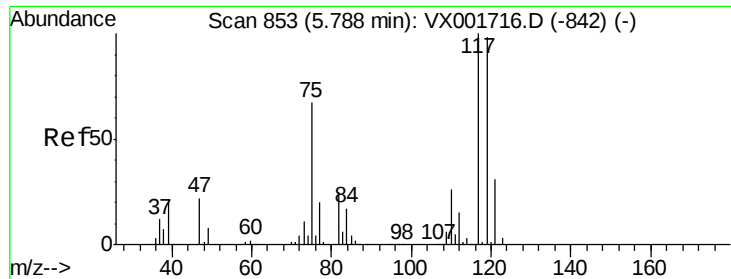
Ion Ratio Lower Upper

75 100

110 10.7 19.1 57.1#

77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.21 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

Instrument :

MSVOA_X

ClientSampled :

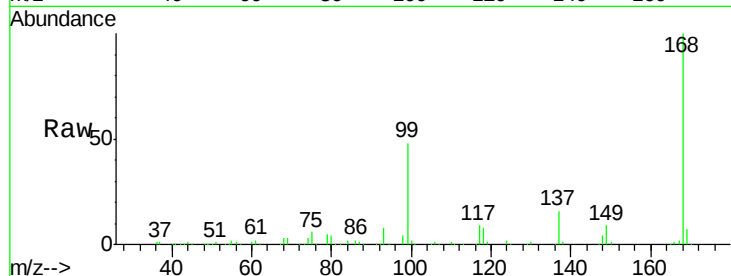
Tot Ion:117 Resp: 20647

Ion Ratio Lower Upper

117 100

119 6.2 77.6 116.4#

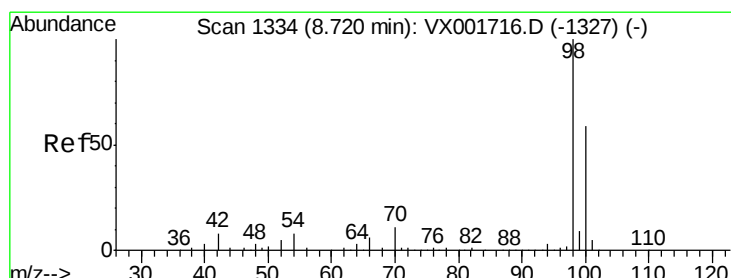
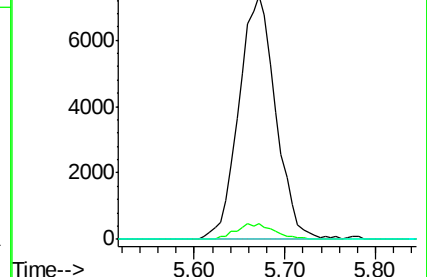
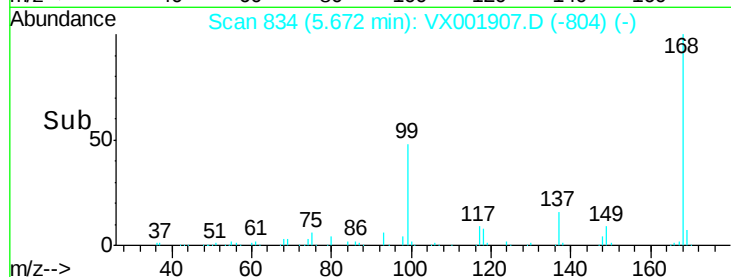
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 46.96 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001907.D

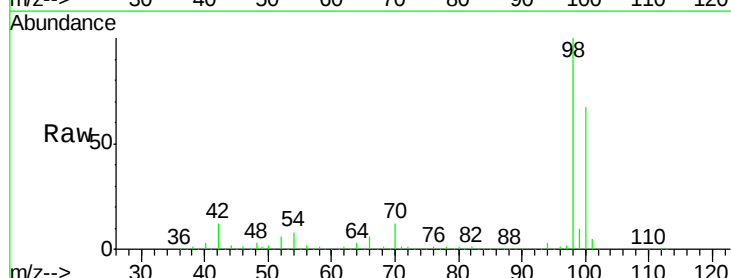
Acq: 22 May 2018 21:25

Tgt Ion: 98 Resp: 466330

Ion Ratio Lower Upper

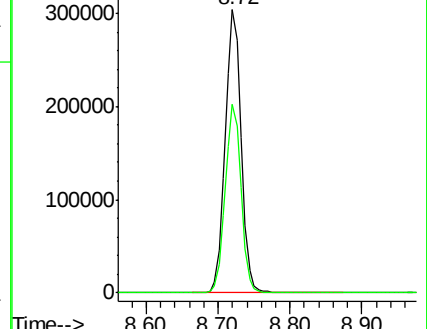
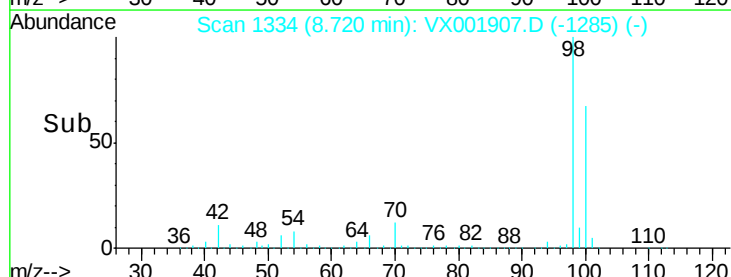
98 100

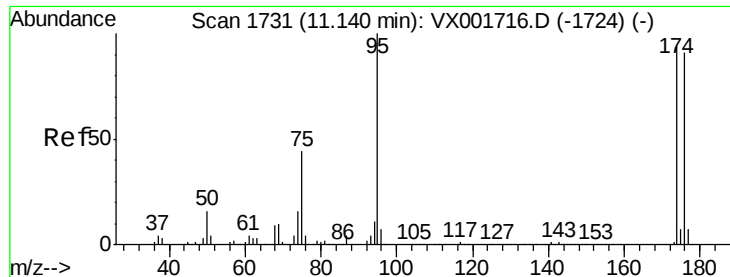
100 66.5 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 38.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

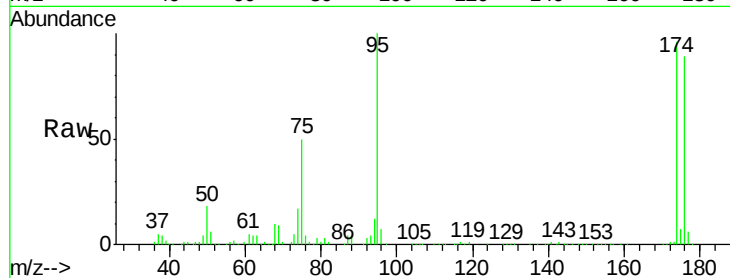
Tot Ion: 95 Resp: 138974

Ion Ratio Lower Upper

95 100

174 104.5 0.0 201.8

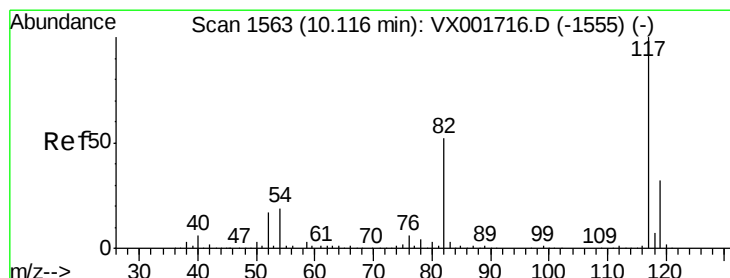
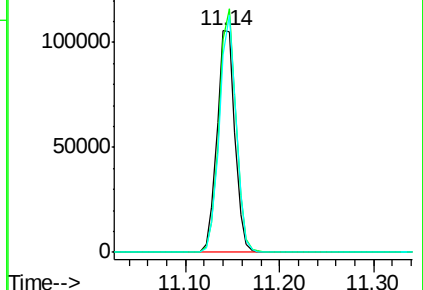
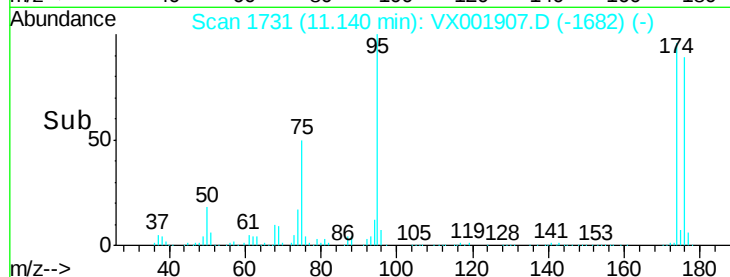
176 100.6 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001907.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001907.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001907.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

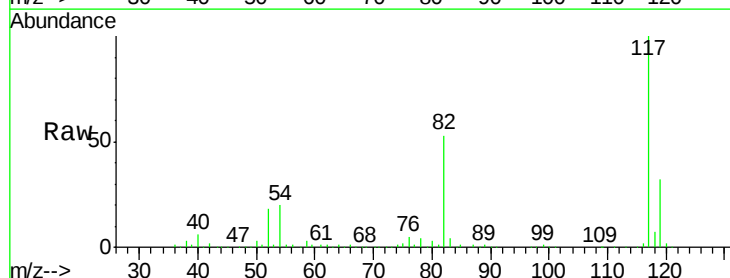
Tgt Ion: 117 Resp: 283387

Ion Ratio Lower Upper

117 100

82 52.5 41.4 62.2

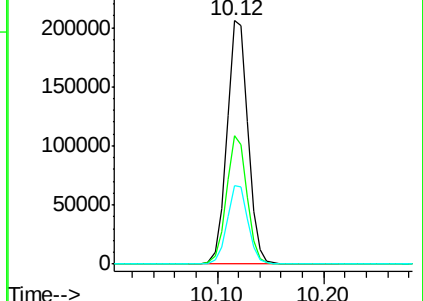
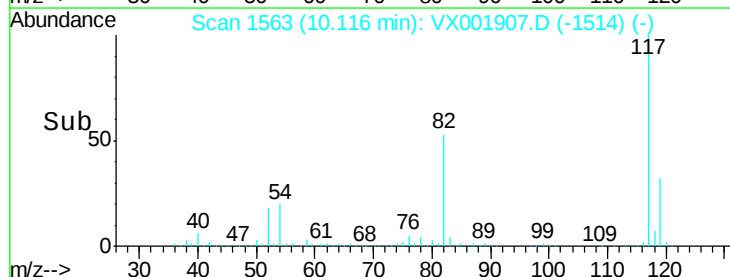
119 32.3 25.6 38.4

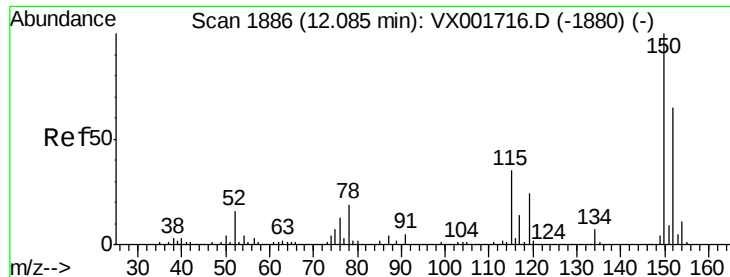


Abundance Ion 116.90 (116.60 to 117.60): VX001907.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX001907.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001907.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

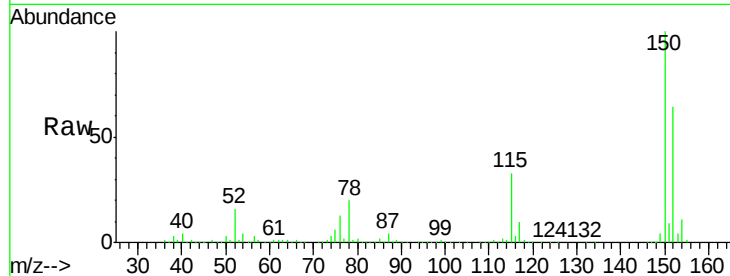
Tot Ion:152 Resp: 147242

Ion Ratio Lower Upper

152 100

115 52.8 37.4 112.2

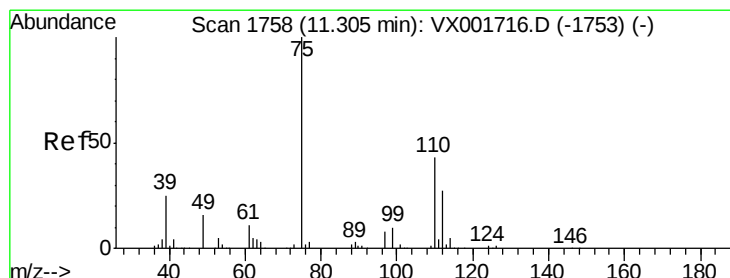
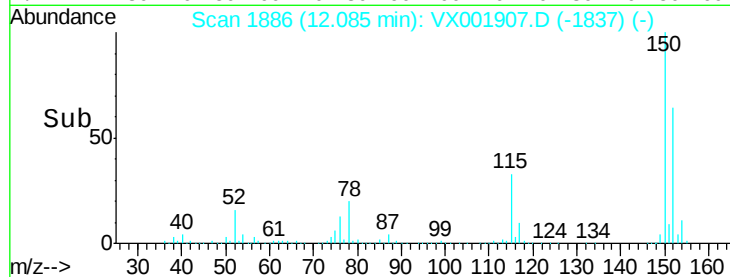
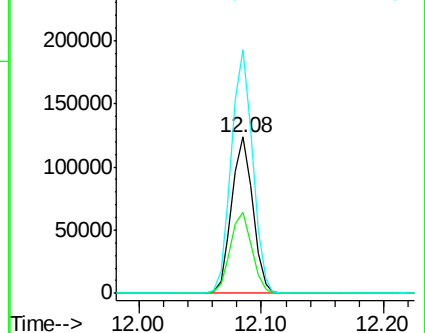
150 157.1 0.0 344.8



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: 24.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001907.D

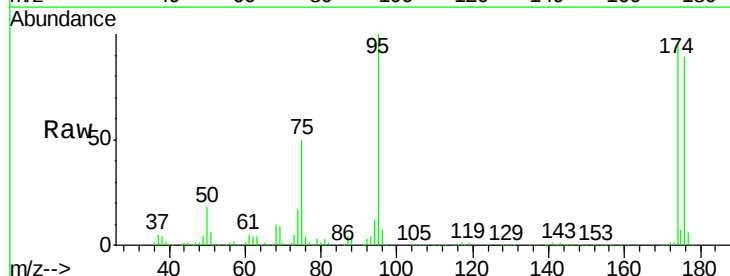
Acq: 22 May 2018 21:25

Tgt Ion: 75 Resp: 67275

Ion Ratio Lower Upper

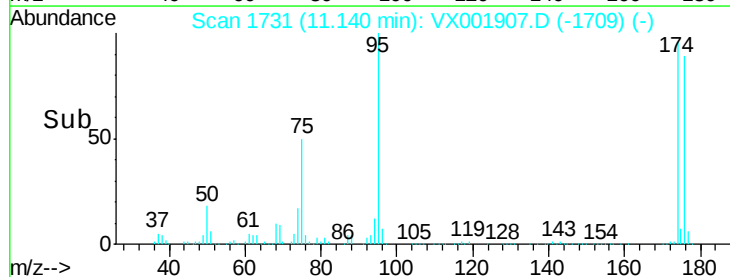
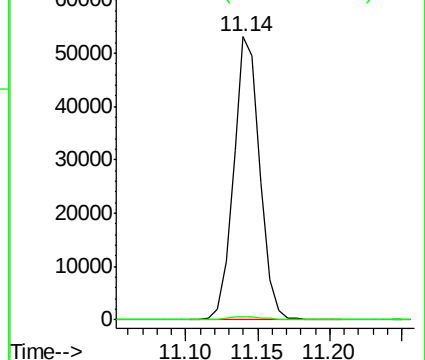
75 100

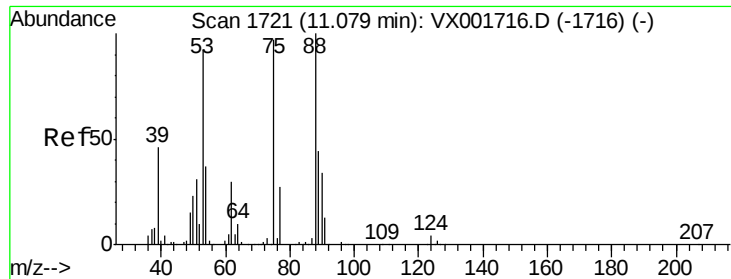
77 1.4 18.9 56.7#



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: 70.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001907.D

Acq: 22 May 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 67275

Ion Ratio Lower Upper

75 100

53 0.3 79.4 119.2#

89 0.0 38.8 58.2#

