

Data File : VX001860.D
Acq On : 19 May 2018 07:20
Operator : JC/MD
Sample : PB109413ZHE#11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#11

Quant Time: May 21 03:23:23 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	274782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	147300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160828	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
35) Dibromofluoromethane	5.51	113	141875	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
50) Toluene-d8	8.72	98	517436	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	11.14	95	139529	34.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.52%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	570	Below Cal	#	79
6) Chloroethane	1.64	64	1167	0.58	ug/l #	49
8) Diethyl Ether	2.19	74	1358	0.70	ug/l	88
11) Tert butyl alcohol	3.02	59	2458	3.76	ug/l #	72
16) Acetone	2.45	43	8562	5.92	ug/l	99
18) Methyl Acetate	2.78	43	29115	6.88	ug/l	99
20) Methylene Chloride	2.86	84	7670	2.48	ug/l	94
25) 2-Butanone	4.71	43	3078	1.39	ug/l	91
29) Tetrahydrofuran	5.19	42	803	0.56	ug/l #	79
31) Cyclohexane	5.67	56	3938	0.85	ug/l #	4
36) 1,1-Dichloropropene	5.67	75	16014	3.77	ug/l #	48
37) Ethyl Acetate	4.71	43	3078	0.70	ug/l #	68
38) Carbon Tetrachloride	5.67	117	22178	4.99	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	64235	22.93	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	64235	67.13	ug/l #	10

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

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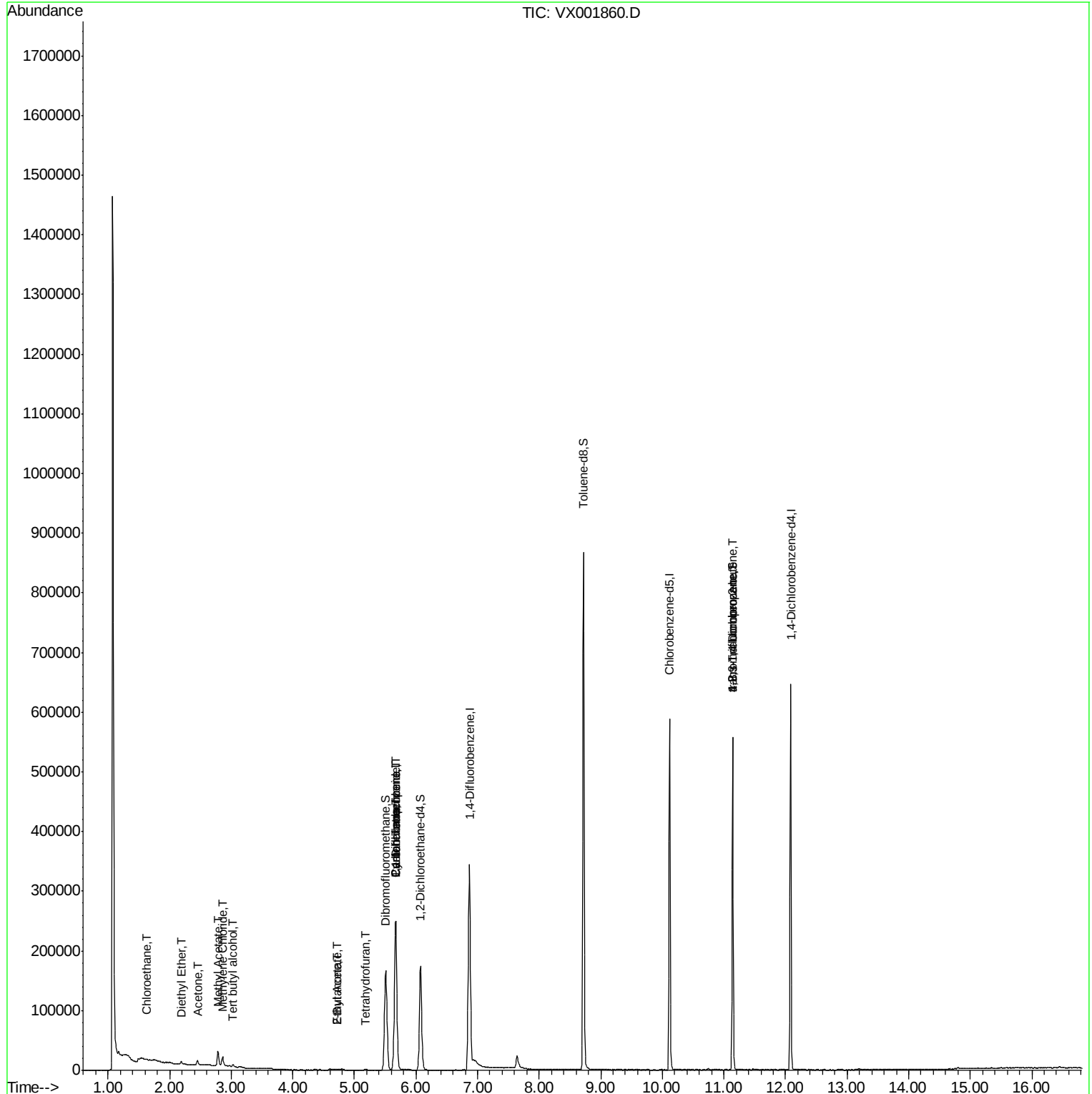
Quant Time: May 21 03:23:23 2018

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

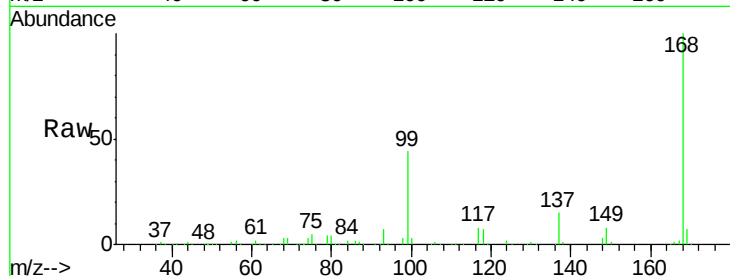
PB109413ZHE#11

Tgt Ion:168 Resp: 274782

Ion Ratio Lower Upper

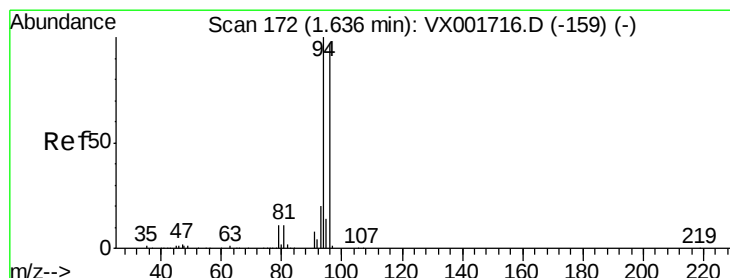
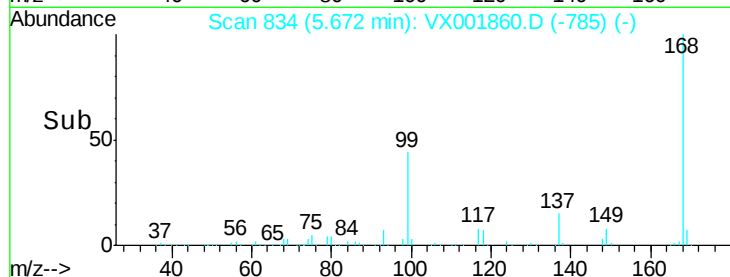
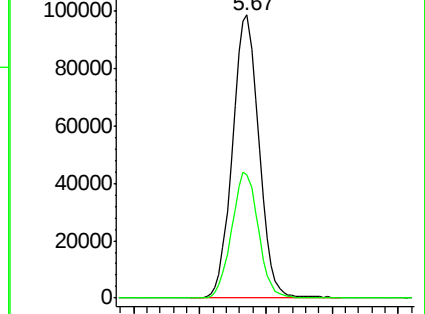
168 100

99 43.6 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: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001860.D

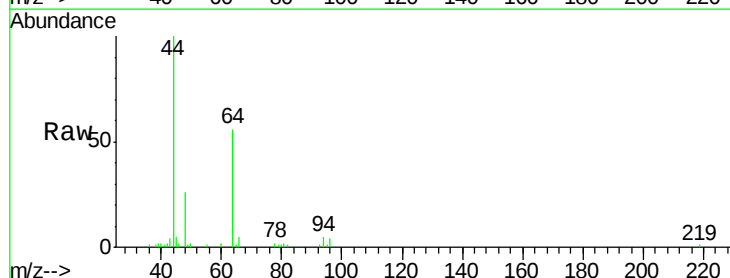
Acq: 19 May 2018 07:20

Tgt Ion: 94 Resp: 570

Ion Ratio Lower Upper

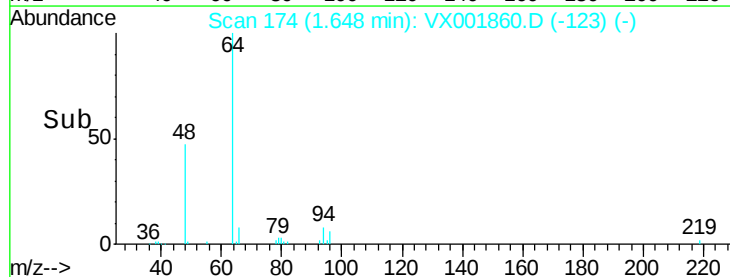
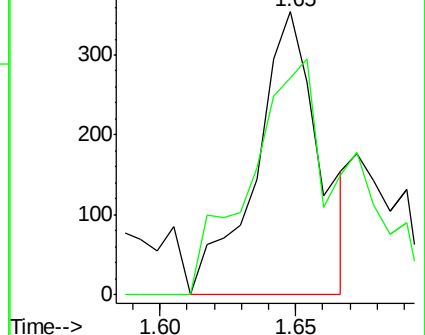
94 100

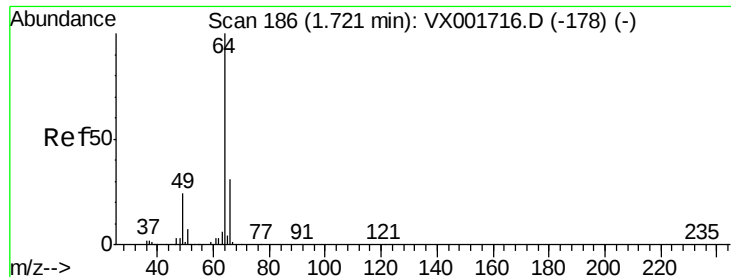
96 76.6 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.58 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.09 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

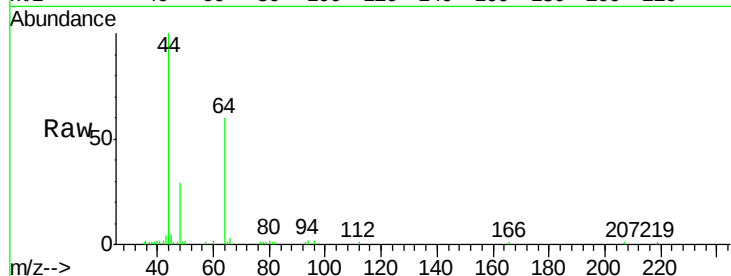
PB109413ZHE#11

Tgt Ion: 64 Resp: 1167

Ion Ratio Lower Upper

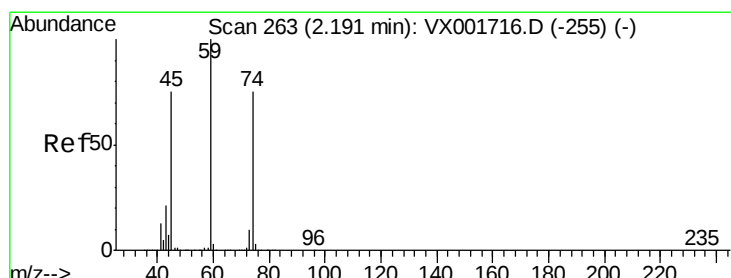
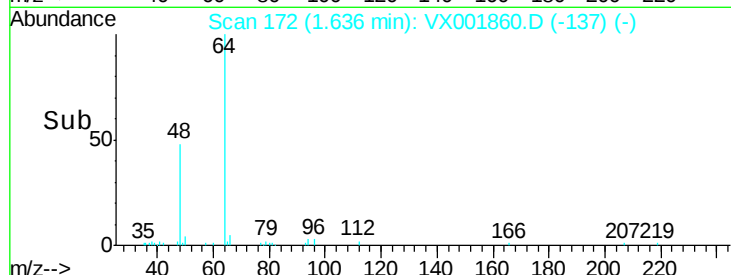
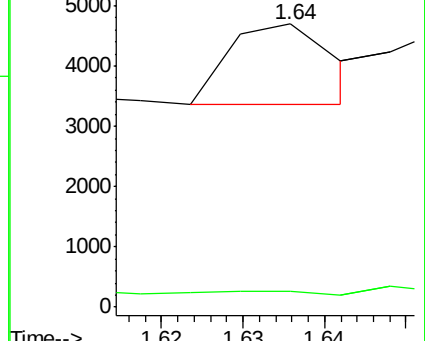
64 100

66 3.4 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 0.70 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001860.D

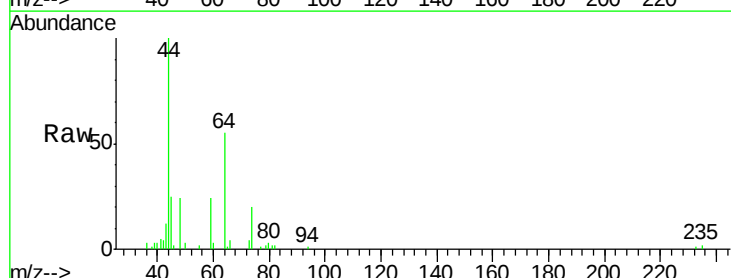
Acq: 19 May 2018 07:20

Tgt Ion: 74 Resp: 1358

Ion Ratio Lower Upper

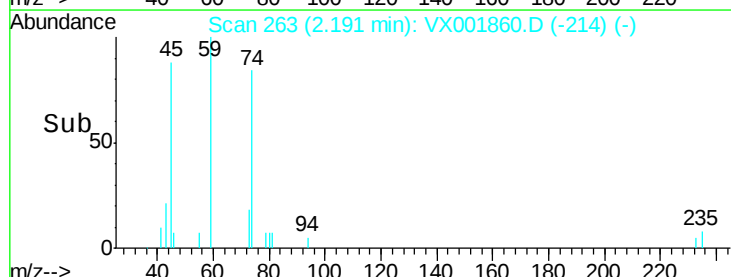
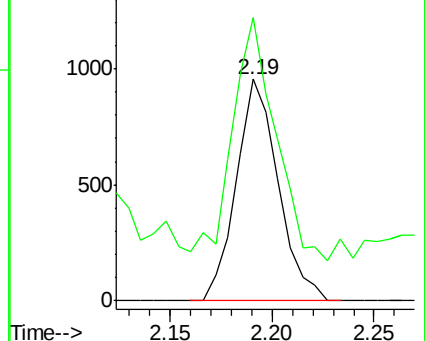
74 100

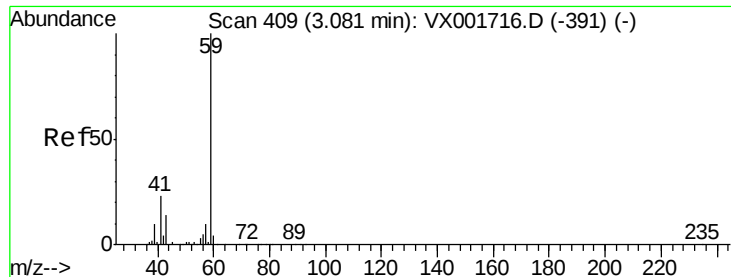
45 112.2 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

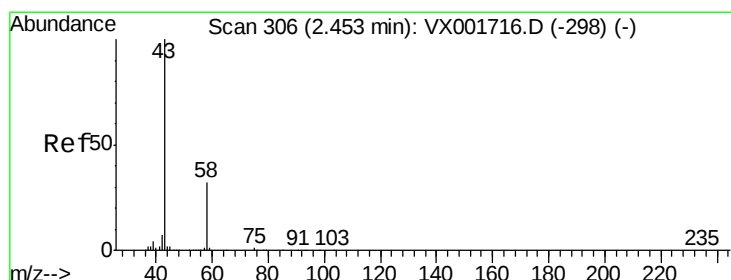
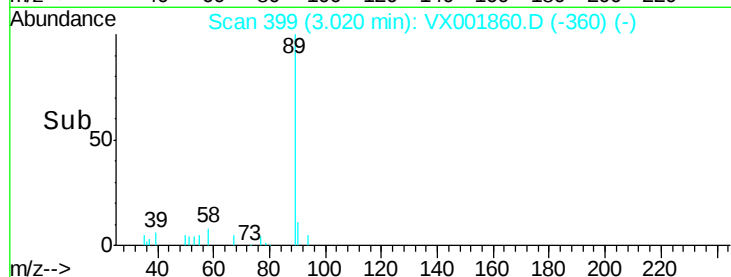
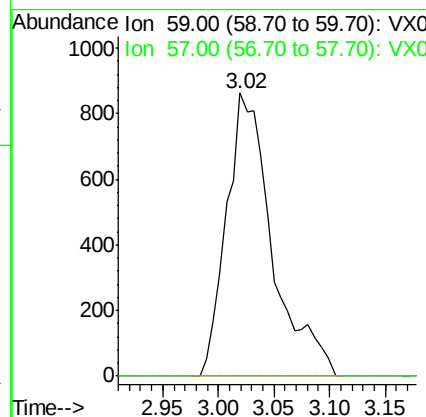
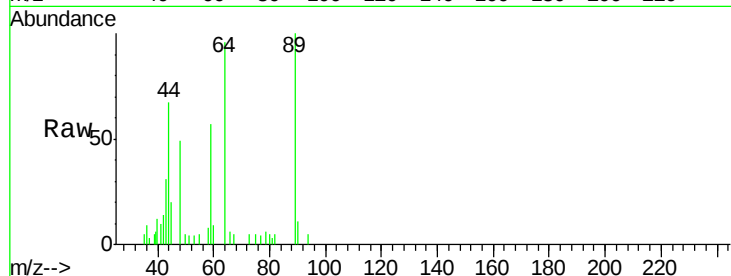




#11
Tert butyl alcohol
Concen: 3.76 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX001860.D
Acq: 19 May 2018 07:20

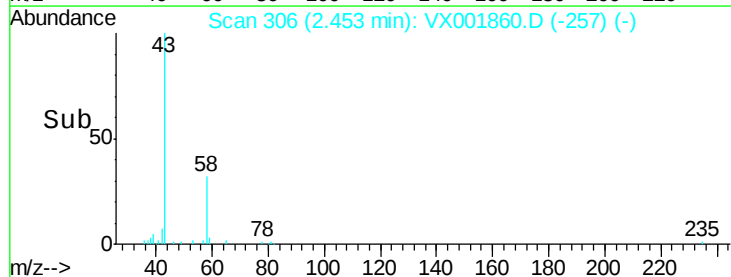
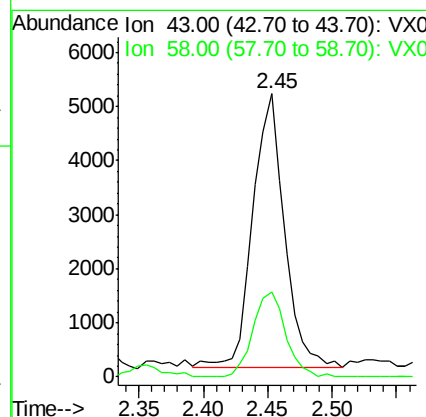
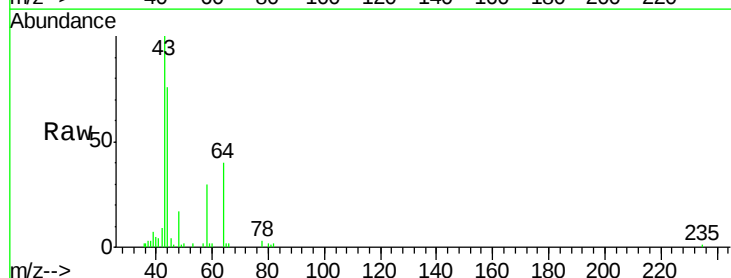
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#11

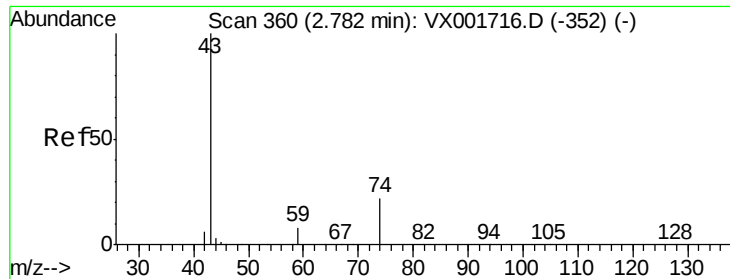
Tgt Ion: 59 Resp: 2458
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 5.92 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001860.D
Acq: 19 May 2018 07:20

Tgt Ion: 43 Resp: 8562
Ion Ratio Lower Upper
43 100
58 30.9 25.3 37.9

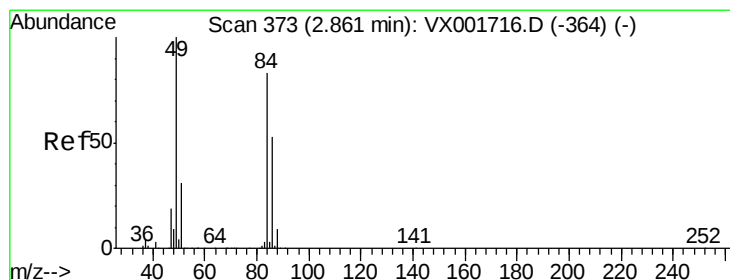
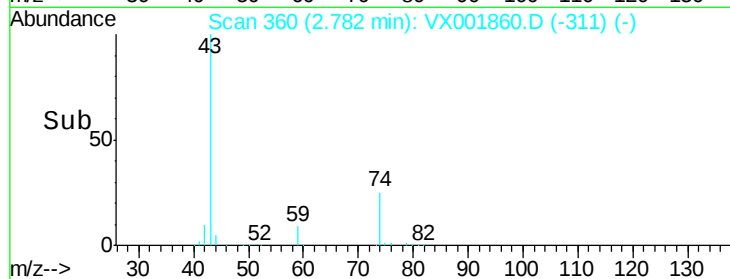
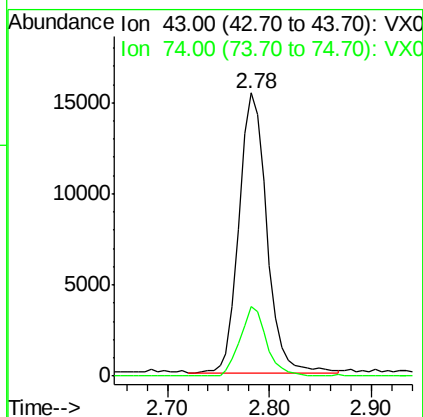
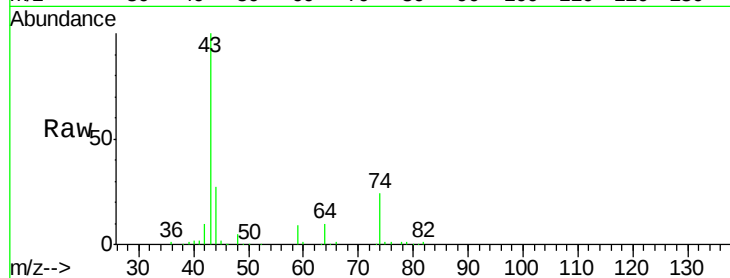




#18
Methyl Acetate
Concen: 6.88 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001860.D
Acq: 19 May 2018 07:20

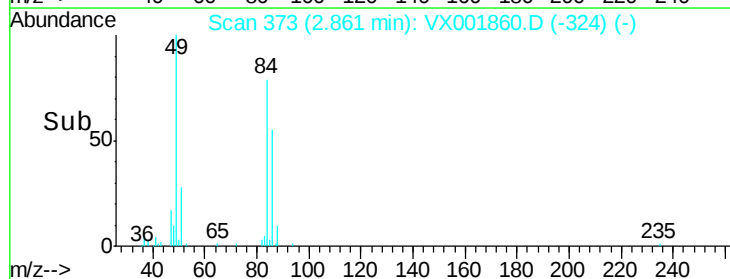
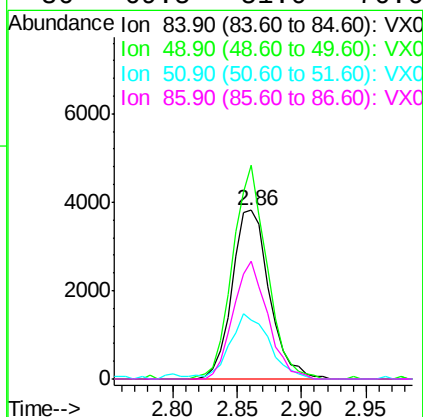
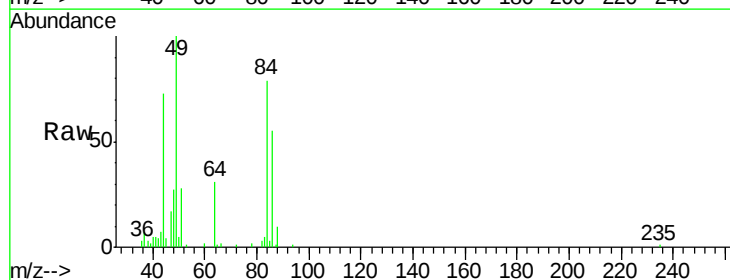
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#11

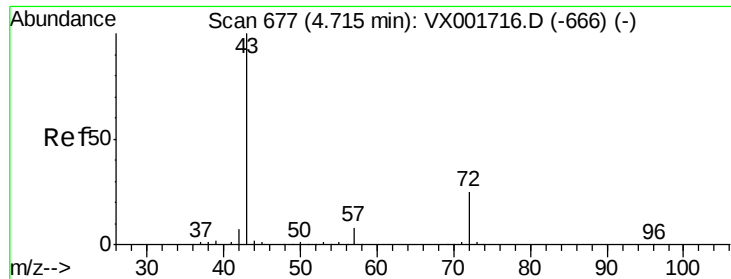
Tgt Ion: 43 Resp: 29115
Ion Ratio Lower Upper
43 100
74 23.4 18.2 27.2



#20
Methylene Chloride
Concen: 2.48 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001860.D
Acq: 19 May 2018 07:20

Tgt Ion: 84 Resp: 7670
Ion Ratio Lower Upper
84 100
49 126.8 96.3 144.5
51 35.2 29.8 44.6
86 69.5 51.0 76.6





#25

2-Butanone

Concen: 1.39 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

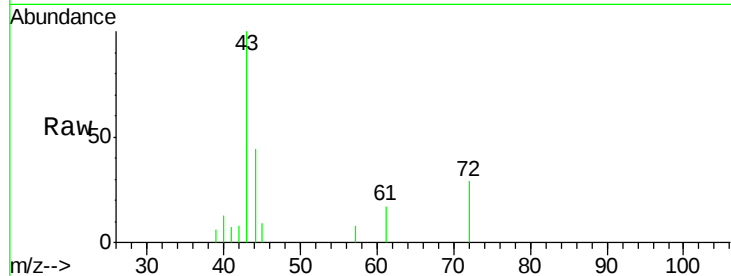
PB109413ZHE#11

Tgt Ion: 43 Resp: 3078

Ion Ratio Lower Upper

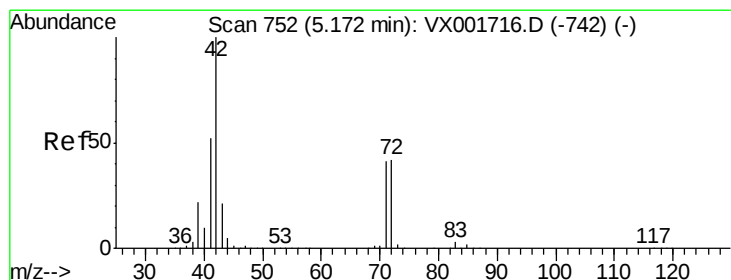
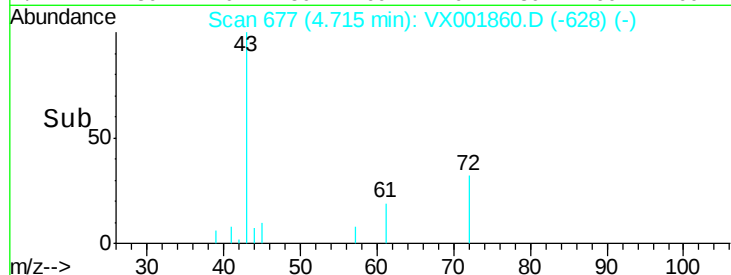
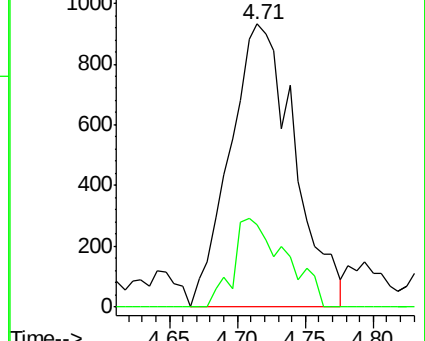
43 100

72 29.0 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: 0.56 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

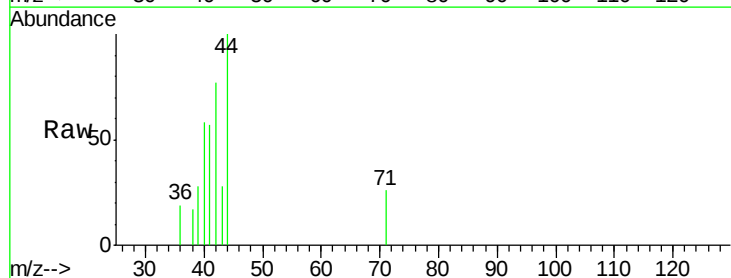
Tgt Ion: 42 Resp: 803

Ion Ratio Lower Upper

42 100

72 29.1 35.4 53.2#

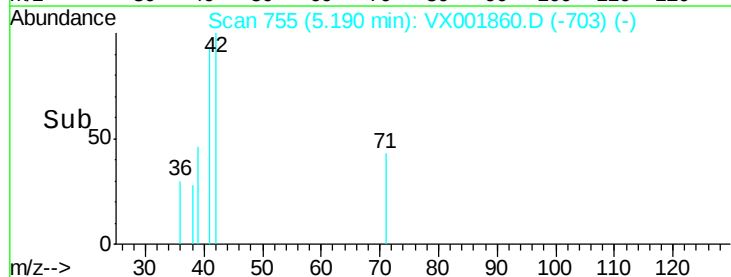
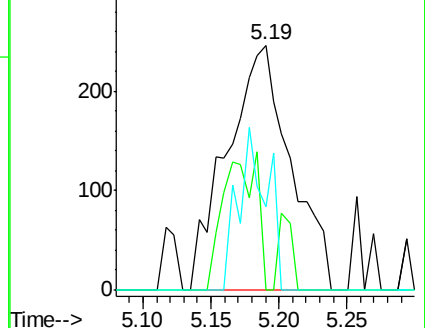
71 30.1 33.2 49.8#

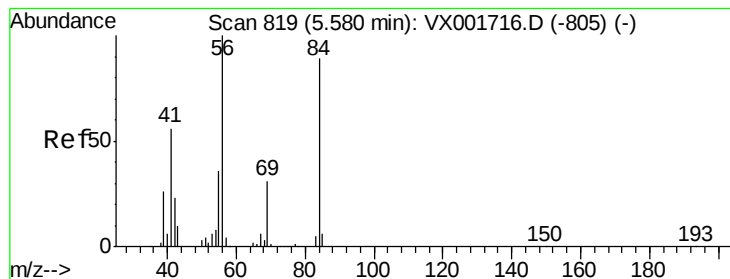


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.85 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

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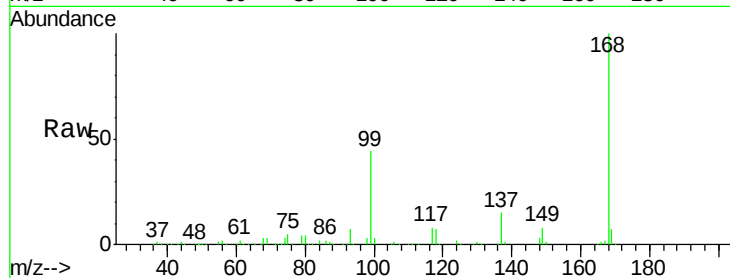
Tgt Ion: 56 Resp: 3938

Ion Ratio Lower Upper

56 100

69 174.6 25.0 37.6#

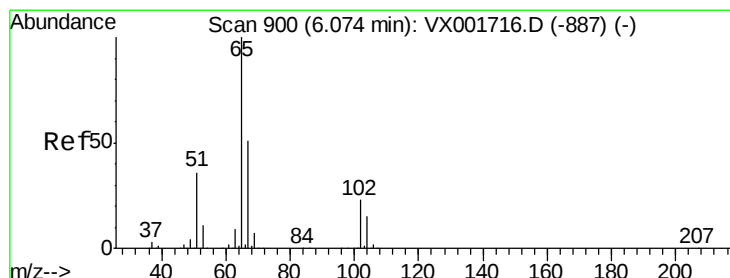
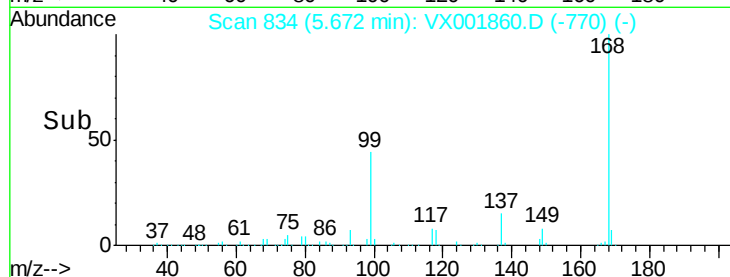
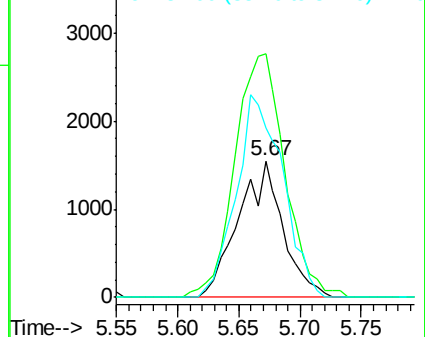
84 124.1 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 43.67 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001860.D

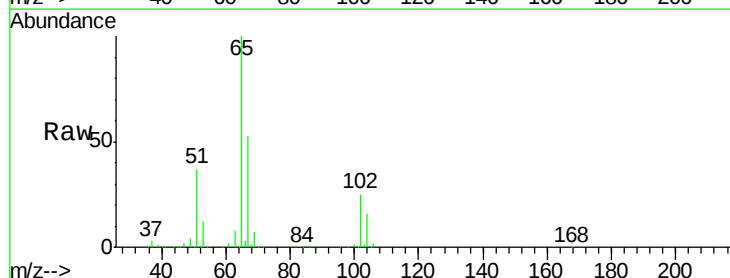
Acq: 19 May 2018 07:20

Tgt Ion: 65 Resp: 160828

Ion Ratio Lower Upper

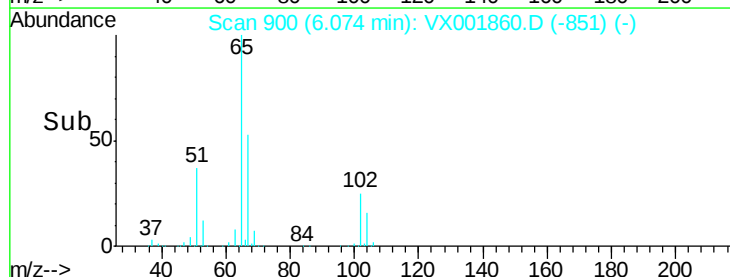
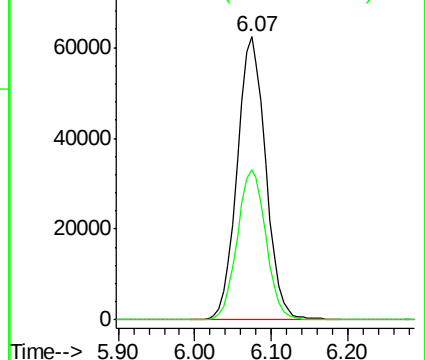
65 100

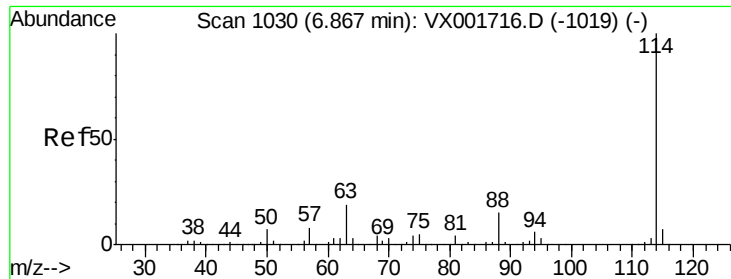
67 53.1 0.0 102.8



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: VX001860.D

Acq: 19 May 2018 07:20

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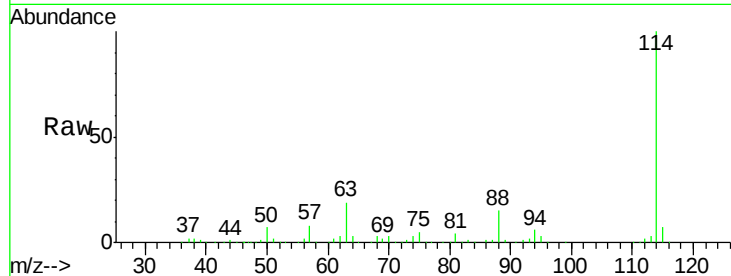
Tgt Ion:114 Resp: 368871

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.0

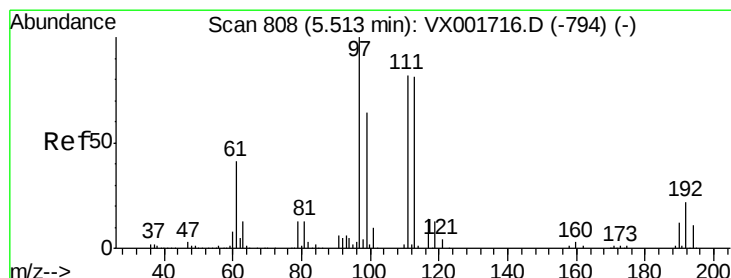
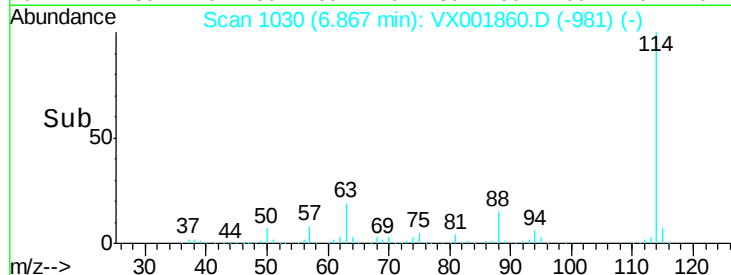
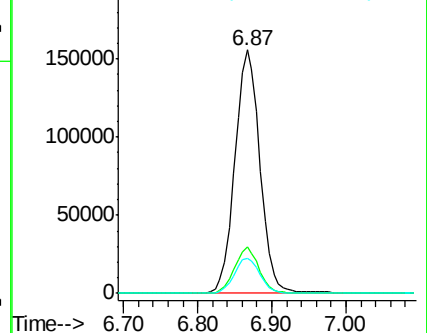
88 14.6 0.0 29.8



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: 45.58 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

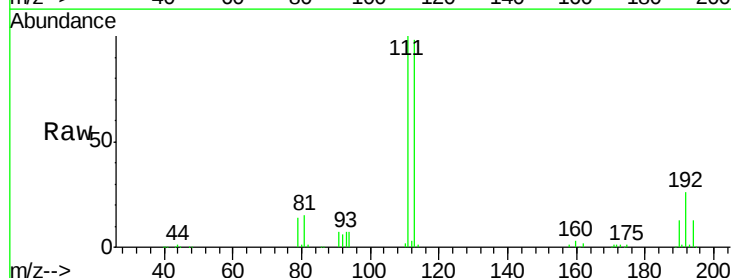
Tgt Ion:113 Resp: 141875

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

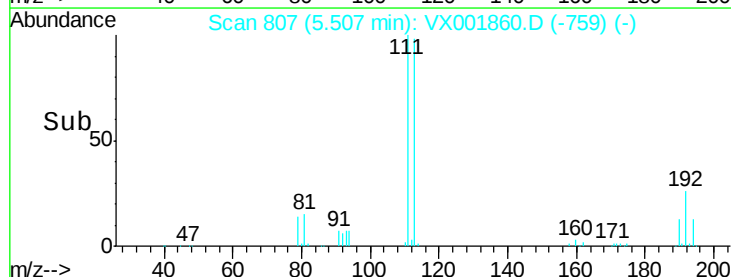
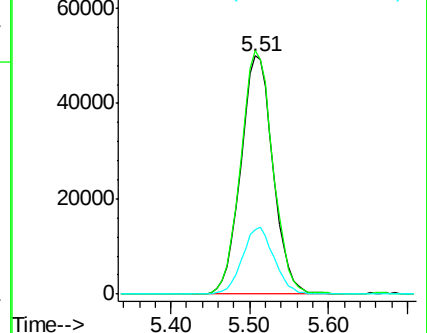
192 27.6 21.6 32.4

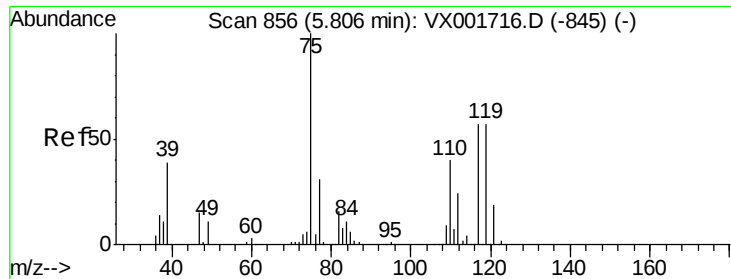


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

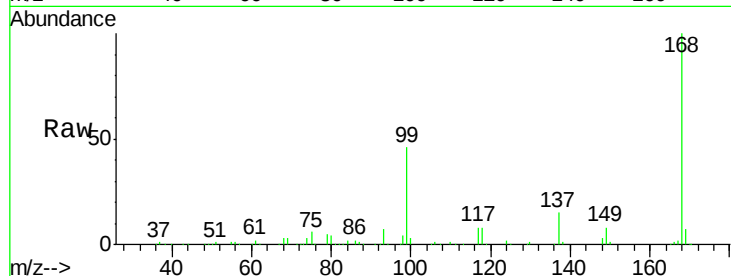




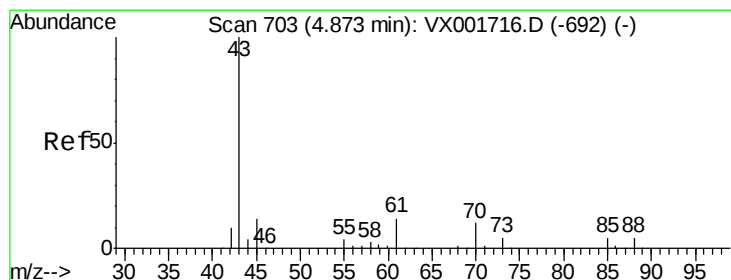
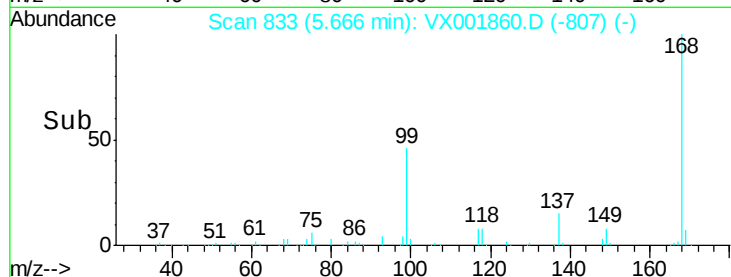
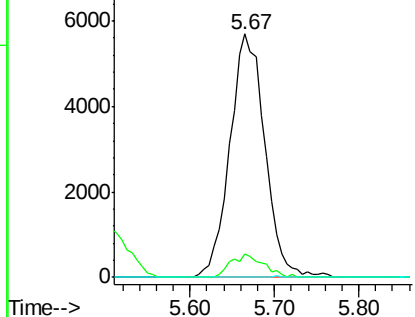
#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001860.D
 Acq: 19 May 2018 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.1	57.1#
77	0.0	24.6	37.0#

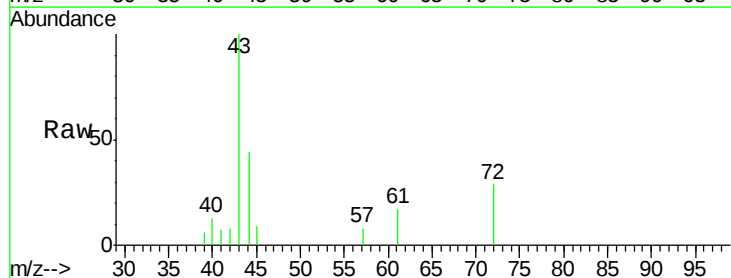


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

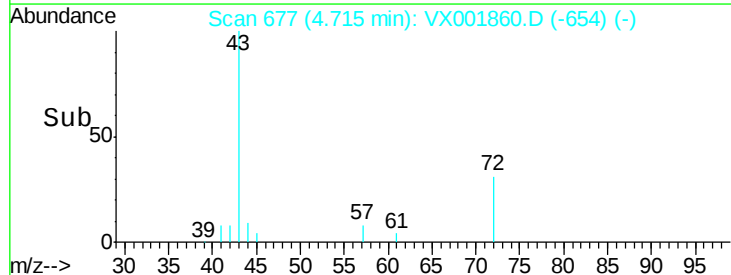
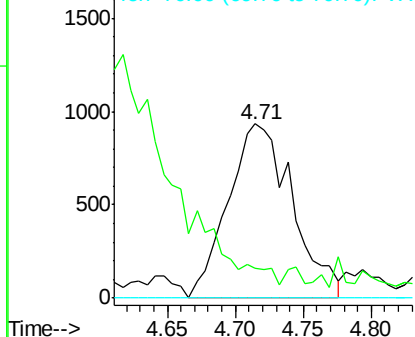


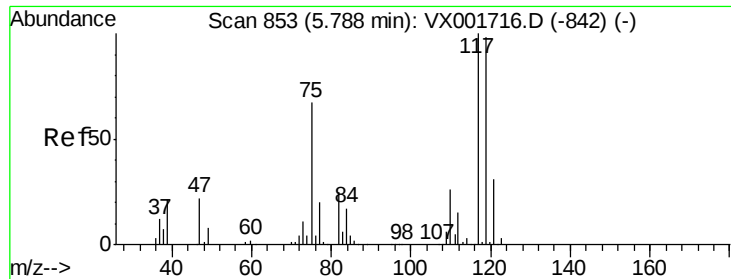
#37
 Ethyl Acetate
 Concen: 0.70 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.16 min
 Lab File: VX001860.D
 Acq: 19 May 2018 07:20

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.8	13.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 4.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#11

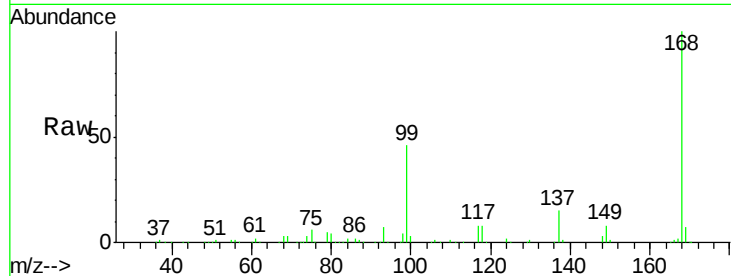
Tgt Ion:117 Resp: 22178

Ion Ratio Lower Upper

117 100

119 5.4 77.6 116.4#

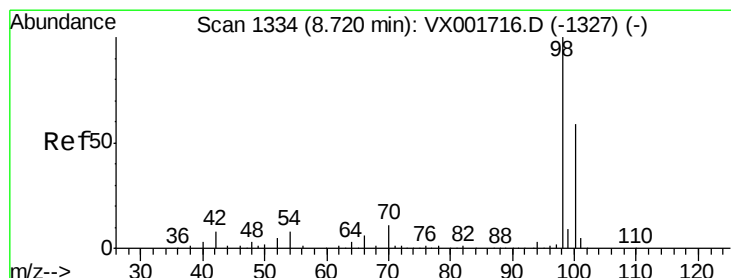
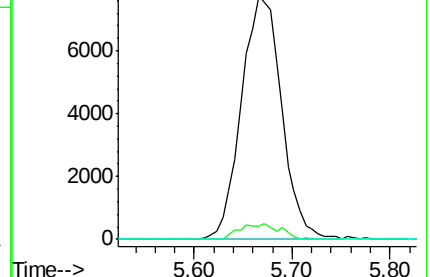
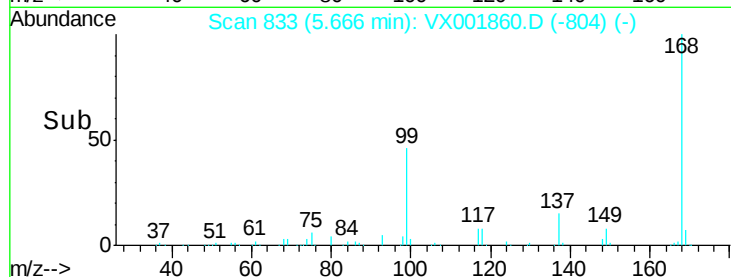
121 0.0 24.6 36.8#



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: 46.41 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001860.D

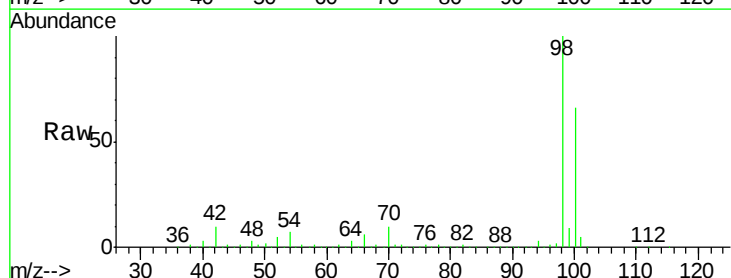
Acq: 19 May 2018 07:20

Tgt Ion: 98 Resp: 517436

Ion Ratio Lower Upper

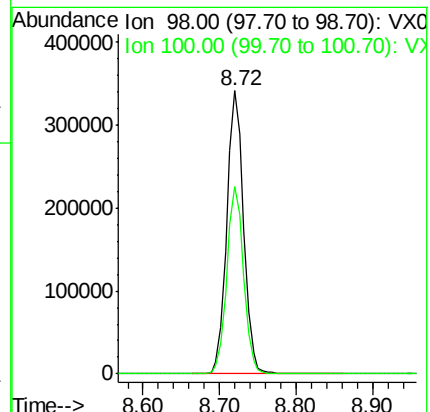
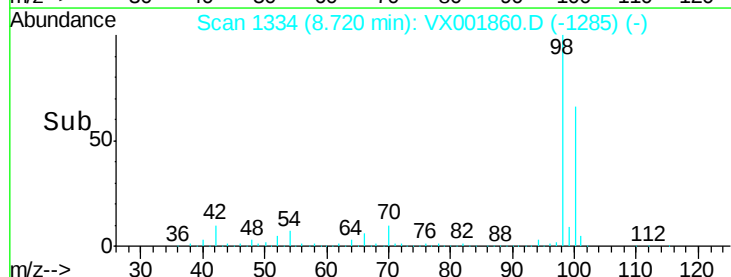
98 100

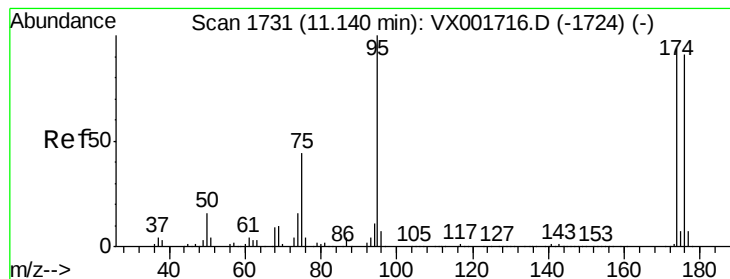
100 66.1 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX





#62

4-Bromofluorobenzene

Concen: 34.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#11

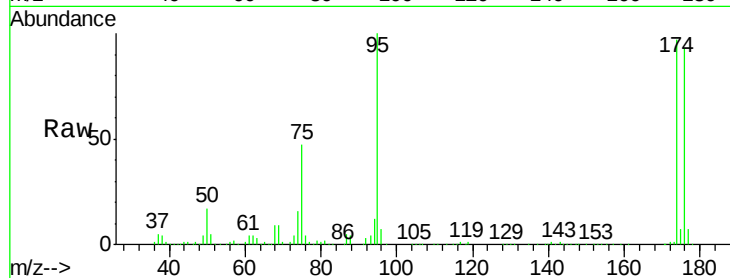
Tgt Ion: 95 Resp: 139529

Ion Ratio Lower Upper

95 100

174 104.5 0.0 201.8

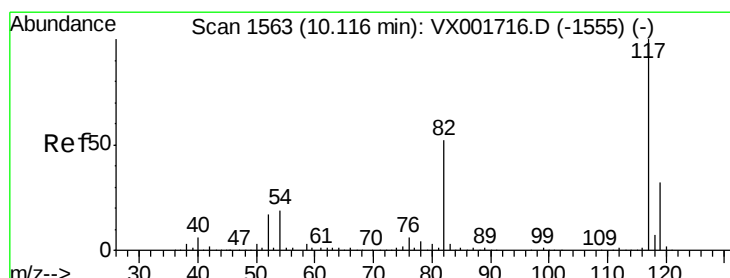
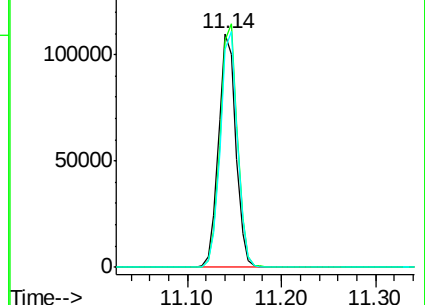
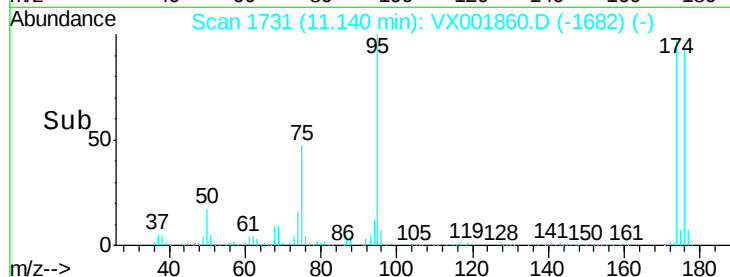
176 100.4 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001860.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001860.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001860.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

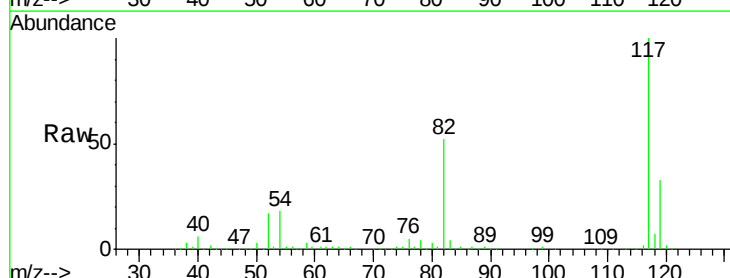
Tgt Ion: 117 Resp: 282611

Ion Ratio Lower Upper

117 100

82 51.7 41.4 62.2

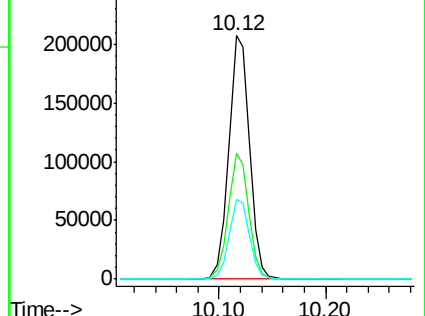
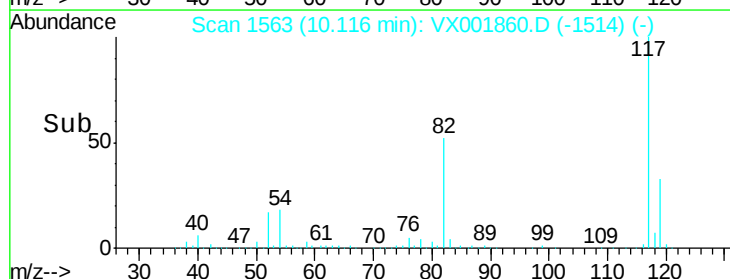
119 32.7 25.6 38.4

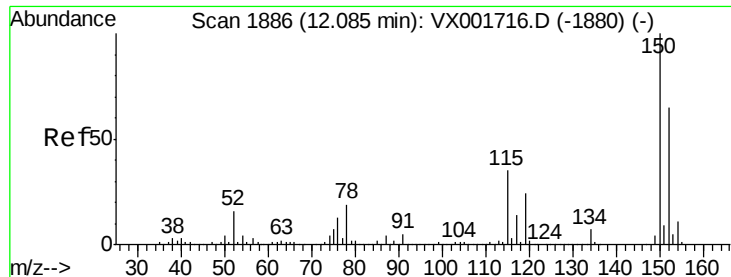


Abundance Ion 116.90 (116.60 to 117.60): VX001860.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX001860.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001860.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#11

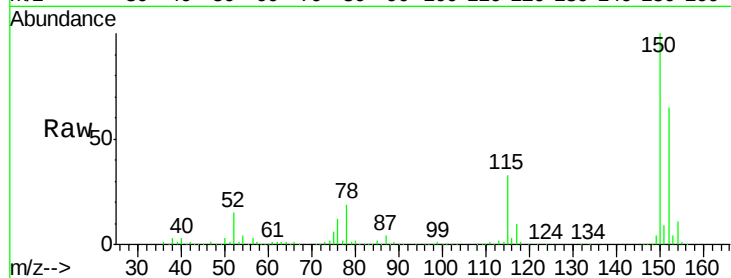
Tgt Ion:152 Resp: 147300

Ion Ratio Lower Upper

152 100

115 51.6 37.4 112.2

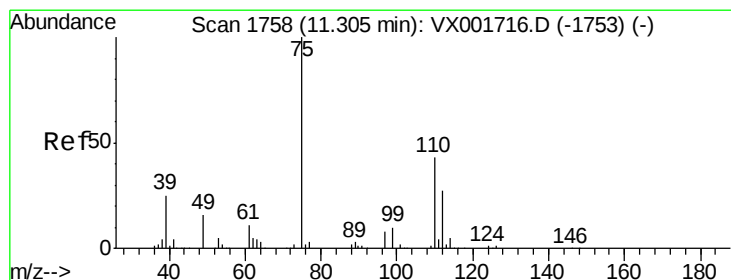
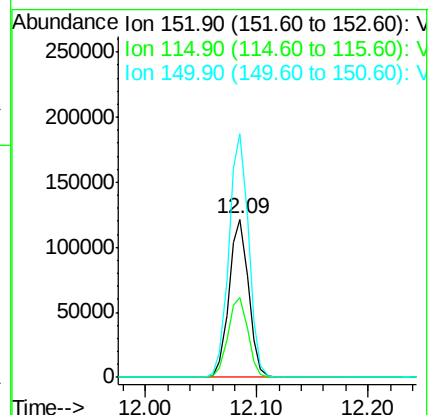
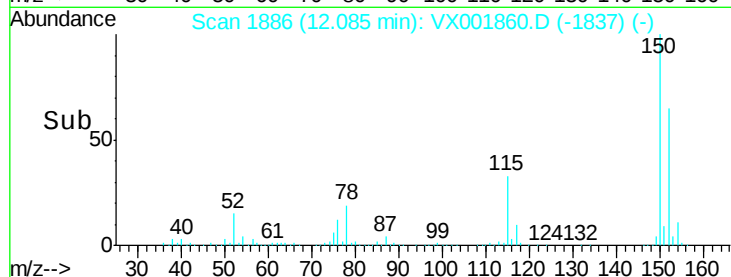
150 155.3 0.0 344.8



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: 22.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001860.D

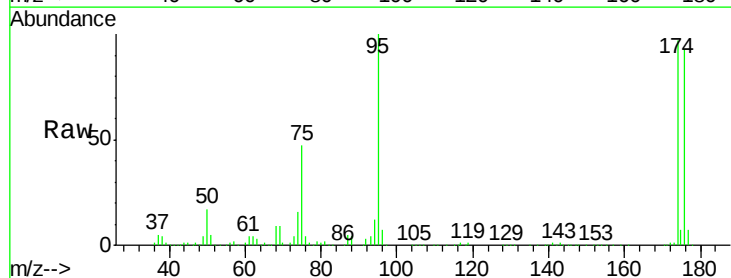
Acq: 19 May 2018 07:20

Tgt Ion: 75 Resp: 64235

Ion Ratio Lower Upper

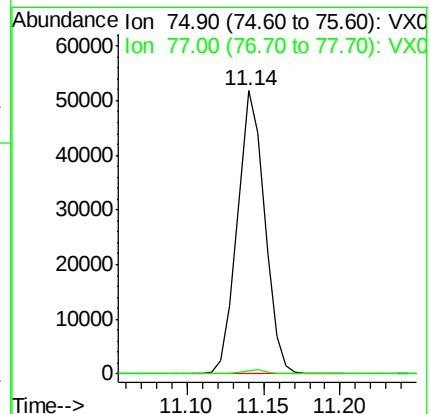
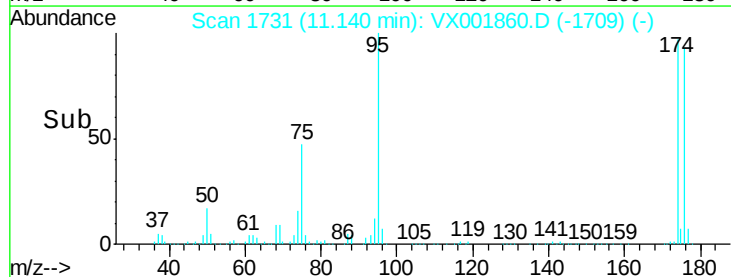
75 100

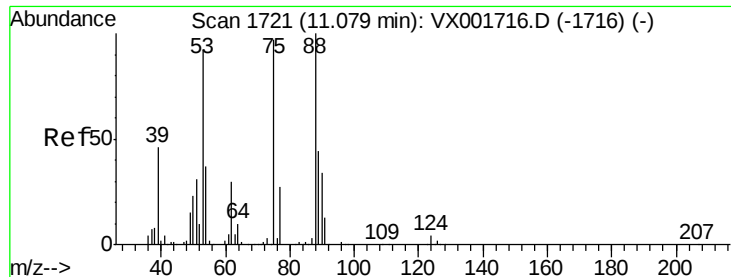
77 1.5 18.9 56.7#



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: 67.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001860.D

Acq: 19 May 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#11

Tgt Ion: 75 Resp: 64235

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

