

Data File : VX001869.D

Acq On : 19 May 2018 11:20

Operator : JC/MD

Sample : PB109413ZHE#20

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#20

Quant Time: May 21 03:27:17 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	275711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	263636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	115368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	155710	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
35) Dibromofluoromethane	5.51	113	138437	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
50) Toluene-d8	8.72	98	505283	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
62) 4-Bromofluorobenzene	11.14	95	119855	30.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.94%	

Target Compounds

						Qvalue
5) Bromomethane	1.64	94	602	Below Cal		87
6) Chloroethane	1.69	64	10257	5.04 ug/l #		55
8) Diethyl Ether	2.19	74	402	0.21 ug/l		65
11) Tert butyl alcohol	3.02	59	3513	5.35 ug/l #		72
16) Acetone	2.45	43	8333	5.74 ug/l		91
18) Methyl Acetate	2.78	43	28026	6.60 ug/l		98
20) Methylene Chloride	2.86	84	4789	1.54 ug/l		92
25) 2-Butanone	4.71	43	3203	1.44 ug/l		99
29) Tetrahydrofuran	5.19	42	863	0.60 ug/l #		84
31) Cyclohexane	5.67	56	3939	0.85 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	15473	3.72 ug/l #		49
38) Carbon Tetrachloride	5.67	117	21937	5.03 ug/l #		17
76) 1,2,3-Trichloropropane	11.14	75	56022	25.54 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.14	75	56022	74.38 ug/l #		10

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 52 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#20

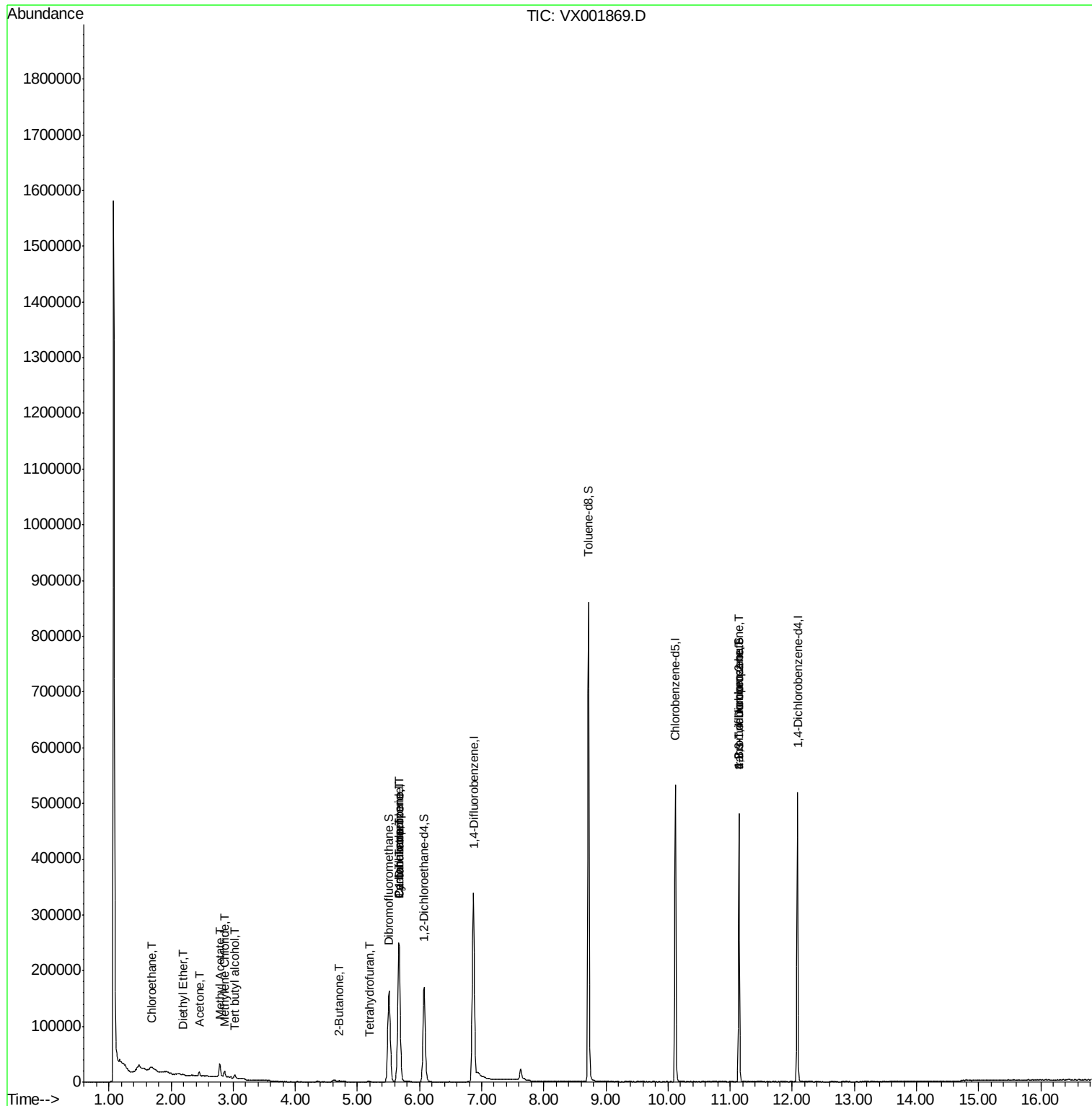
Quant Time: May 21 03:27:17 2018

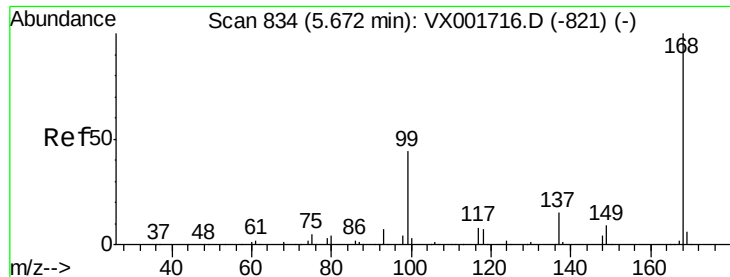
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

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# 833

Delta R.T. -0.01 min

Lab File: VX001869.D

Acq: 19 May 2018 11:20

Instrument :

MSVOA_X

ClientSampleId :

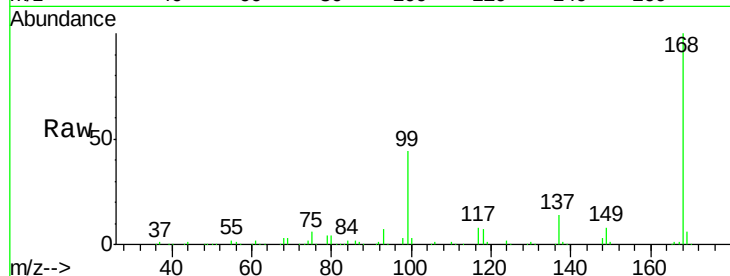
PB109413ZHE#20

Tgt Ion:168 Resp: 275711

Ion Ratio Lower Upper

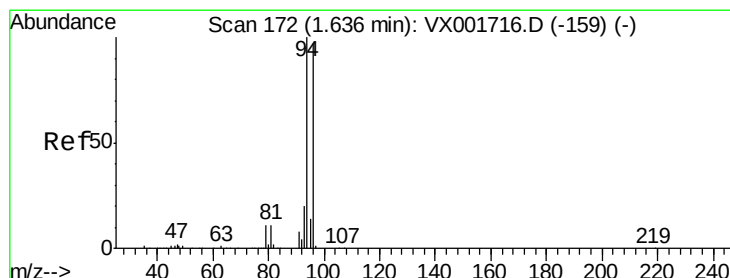
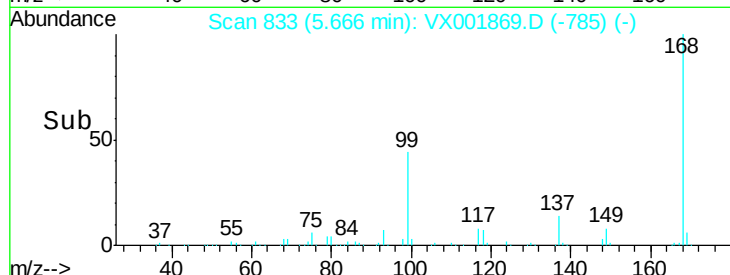
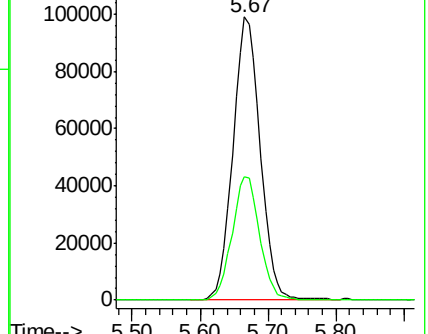
168 100

99 43.8 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: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001869.D

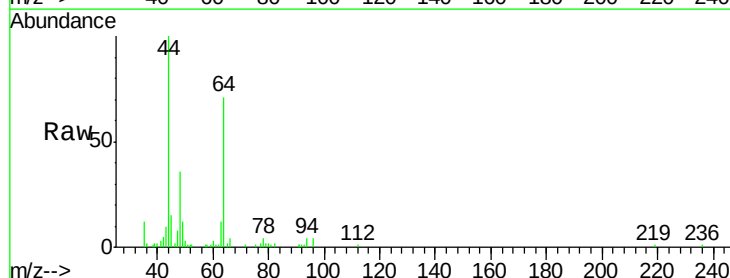
Acq: 19 May 2018 11:20

Tgt Ion: 94 Resp: 602

Ion Ratio Lower Upper

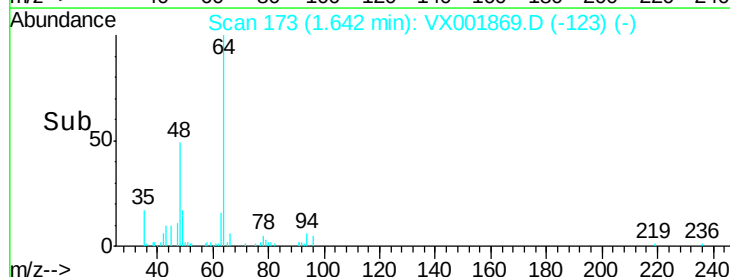
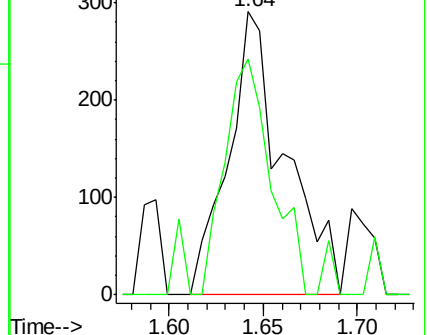
94 100

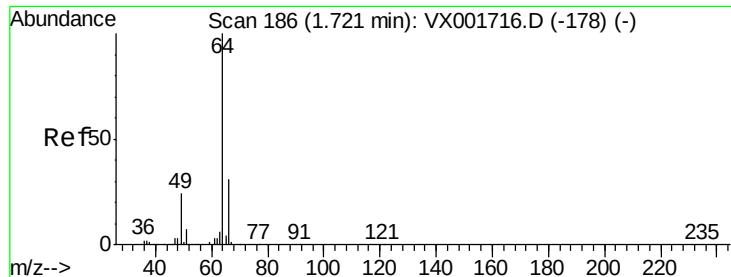
96 83.5 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 5.04 ug/l

RT: 1.69 min Scan# 181

Delta R.T. -0.03 min

Lab File: VX001869.D

Acq: 19 May 2018 11:20

Instrument :

MSVOA_X

ClientSampleId :

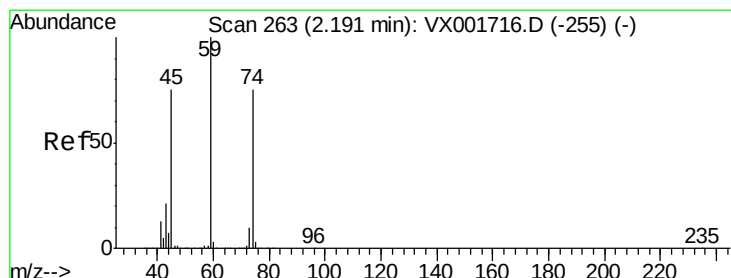
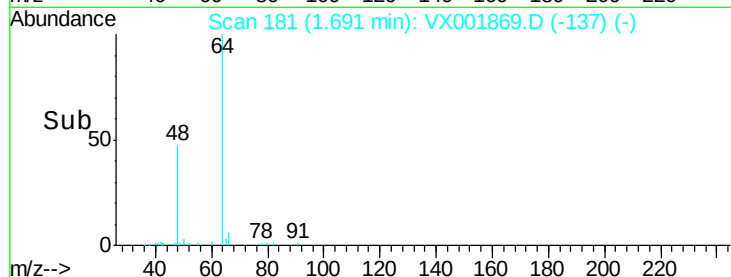
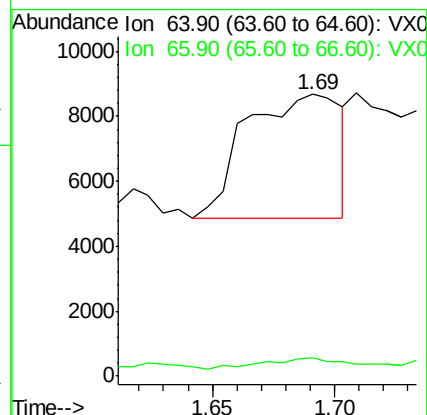
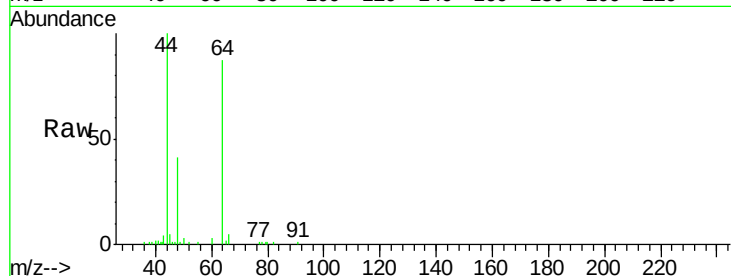
PB109413ZHE#20

Tgt Ion: 64 Resp: 10257

Ion Ratio Lower Upper

64 100

66 6.5 25.2 37.8#



#8

Diethyl Ether

Concen: 0.21 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001869.D

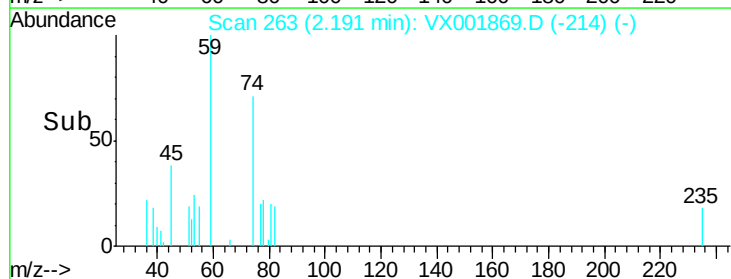
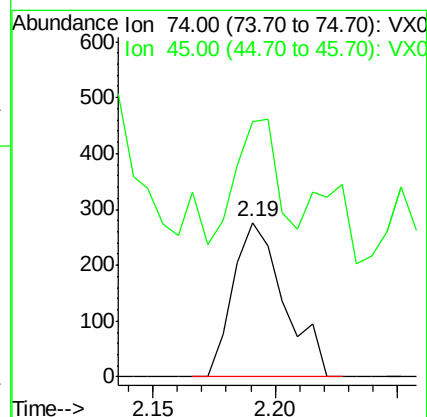
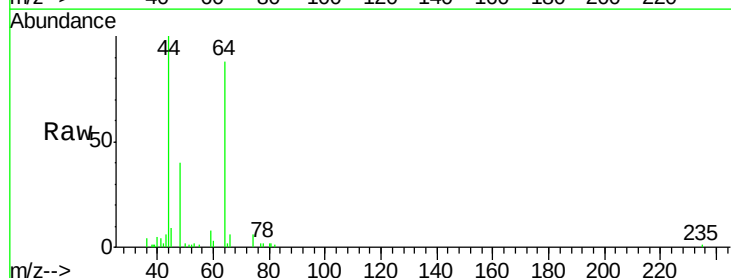
Acq: 19 May 2018 11:20

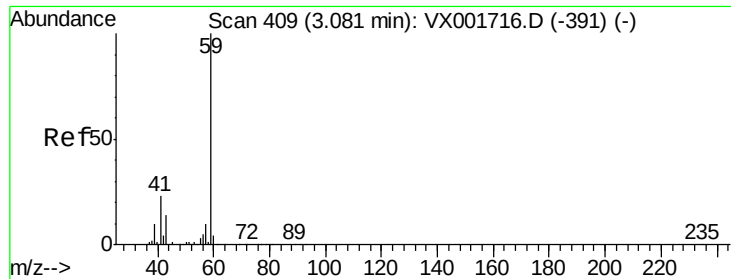
Tgt Ion: 74 Resp: 402

Ion Ratio Lower Upper

74 100

45 64.4 50.0 149.8

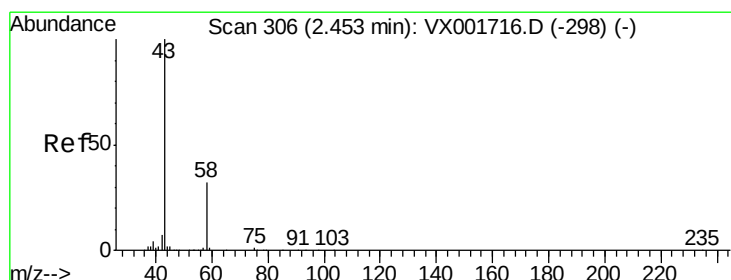
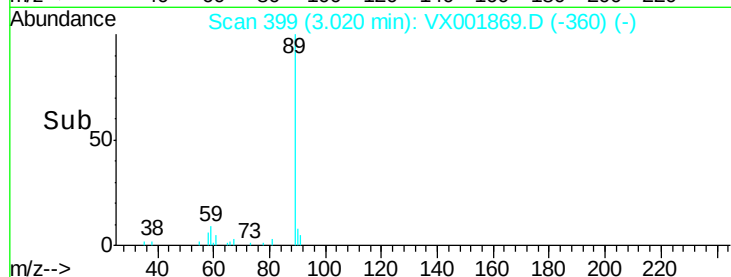
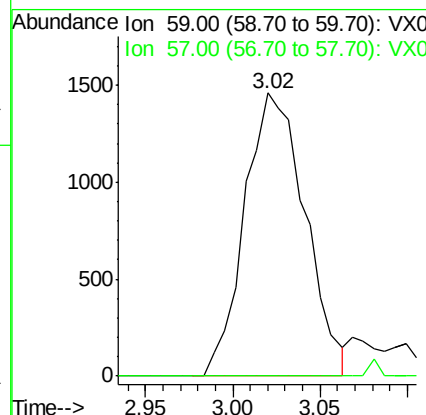
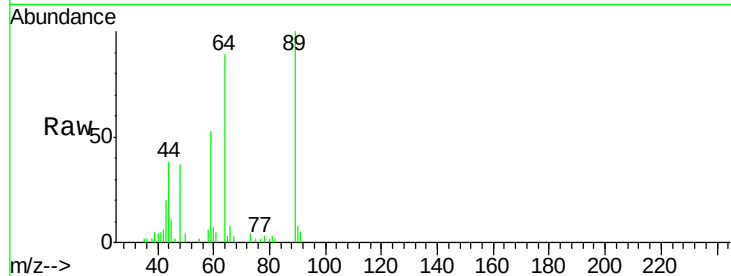




#11
Tert butyl alcohol
Concen: 5.35 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

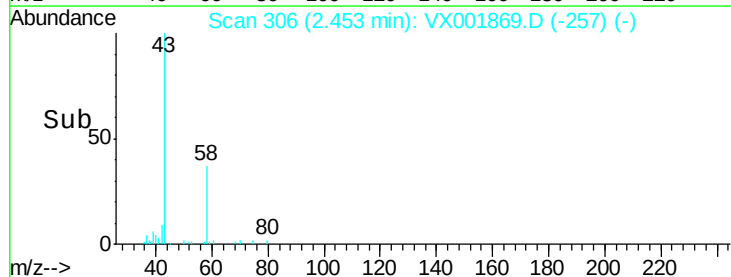
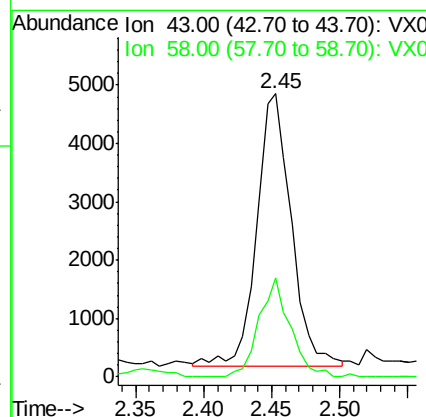
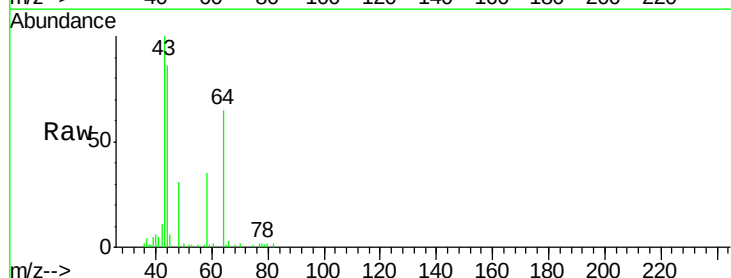
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#20

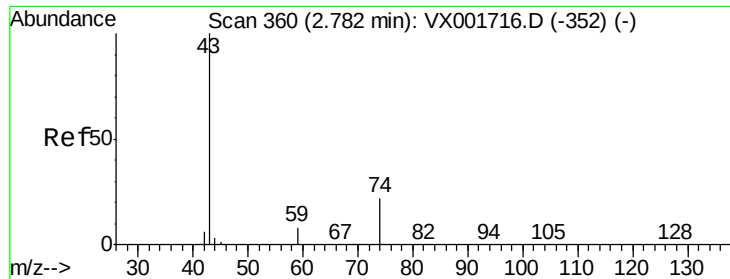
Tgt Ion: 59 Resp: 3513
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 5.74 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

Tgt Ion: 43 Resp: 8333
Ion Ratio Lower Upper
43 100
58 36.7 25.3 37.9

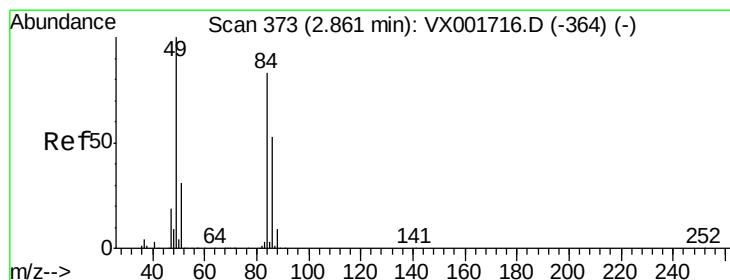
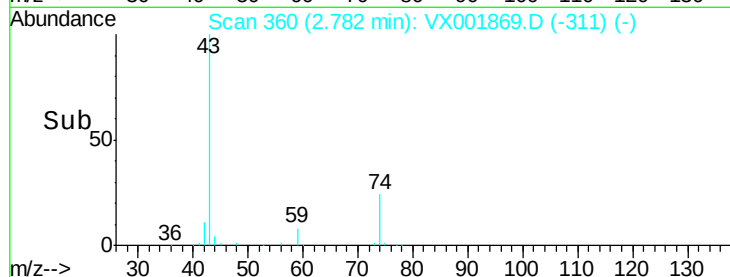
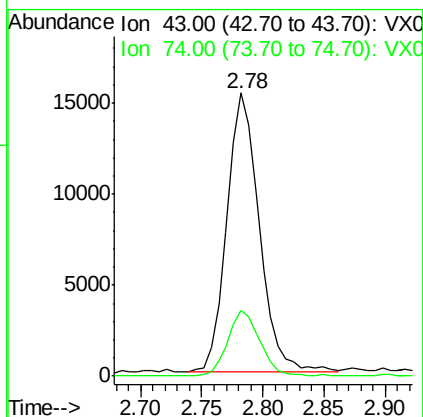
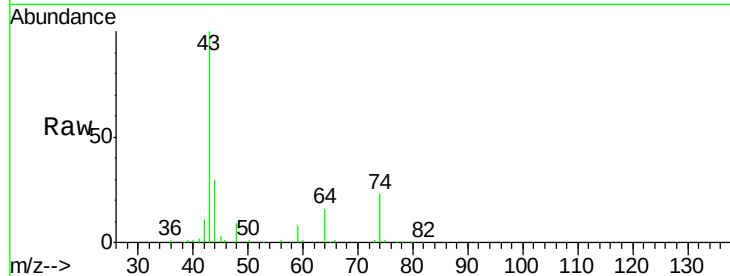




#18
Methyl Acetate
Concen: 6.60 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

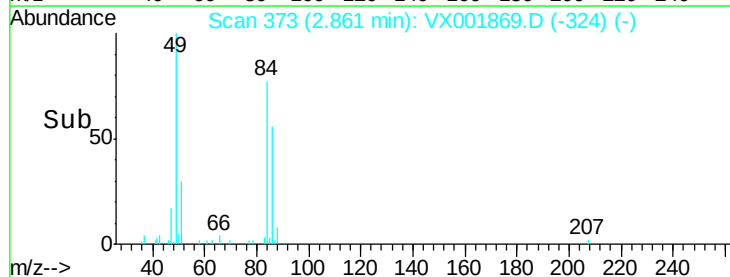
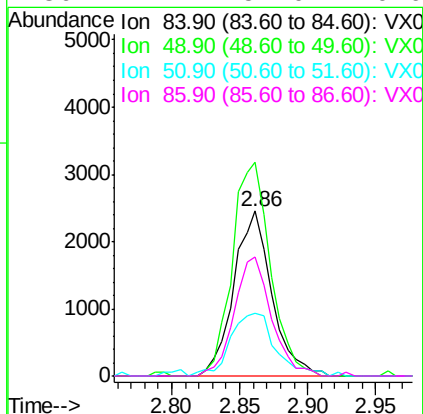
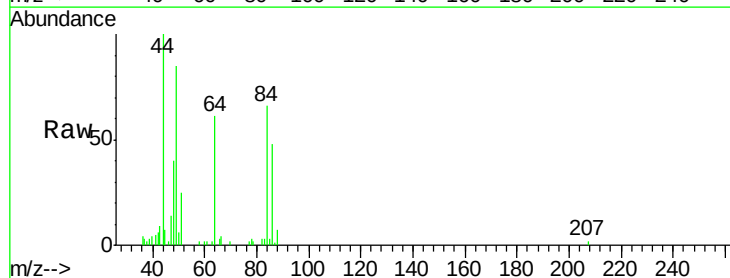
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#20

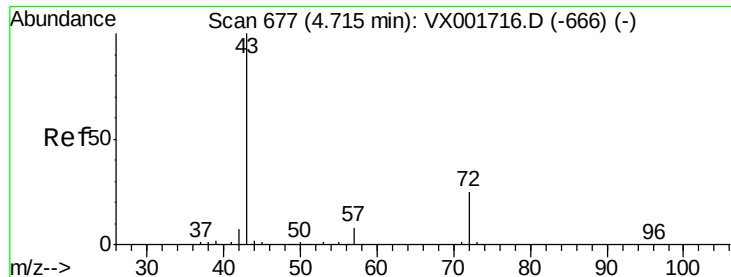
Tgt Ion: 43 Resp: 28026
Ion Ratio Lower Upper
43 100
74 23.5 18.2 27.2



#20
Methylene Chloride
Concen: 1.54 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

Tgt Ion: 84 Resp: 4789
Ion Ratio Lower Upper
84 100
49 129.4 96.3 144.5
51 38.3 29.8 44.6
86 72.4 51.0 76.6





#25

2-Butanone

Concen: 1.44 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX001869.D

Acq: 19 May 2018 11:20

Instrument :

MSVOA_X

ClientSampleId :

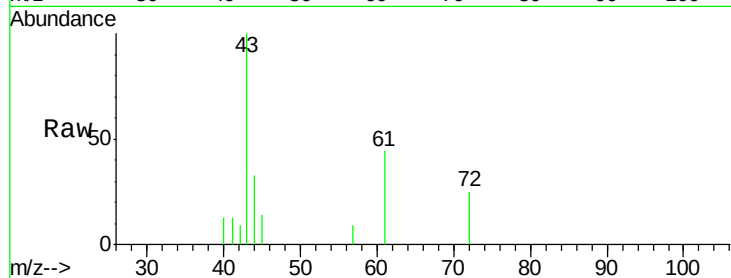
PB109413ZHE#20

Tgt Ion: 43 Resp: 3203

Ion Ratio Lower Upper

43 100

72 25.0 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

1000

800

600

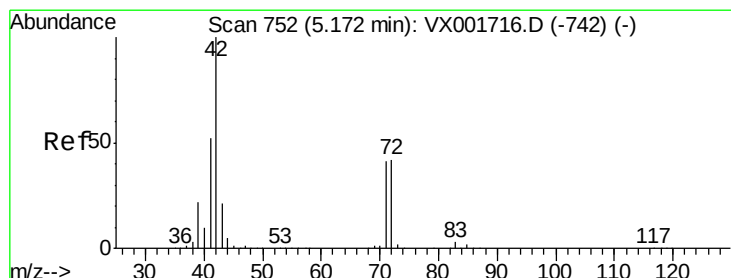
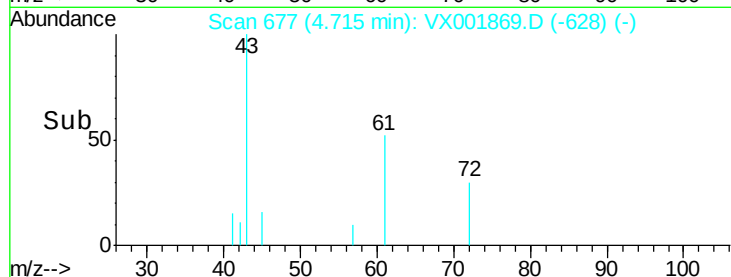
400

200

0

Time-->

4.60 4.65 4.70 4.75 4.80



#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001869.D

Acq: 19 May 2018 11:20

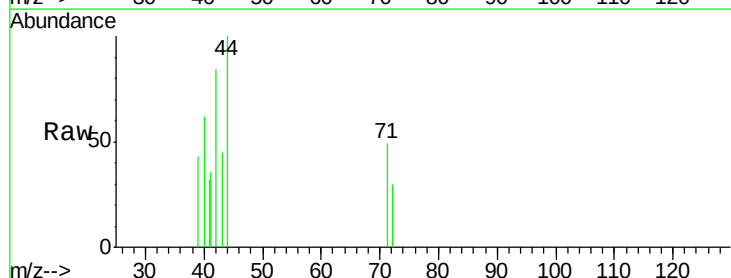
Tgt Ion: 42 Resp: 863

Ion Ratio Lower Upper

42 100

72 26.7 35.4 53.2#

71 38.9 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

5.19

300

250

200

150

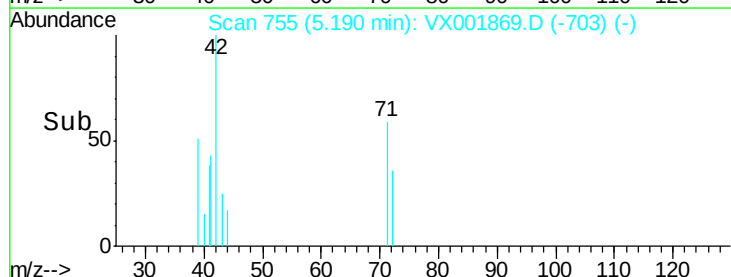
100

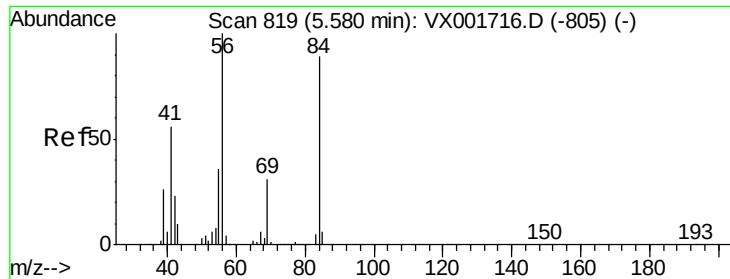
50

0

Time-->

5.10 5.15 5.20 5.25

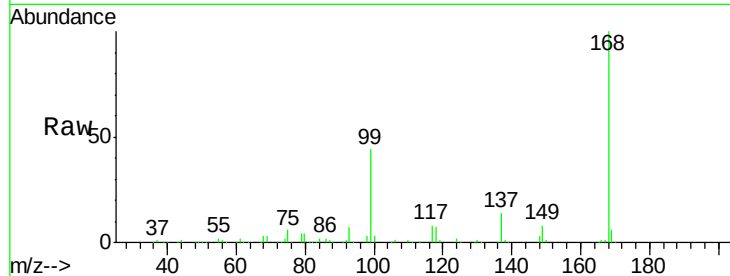




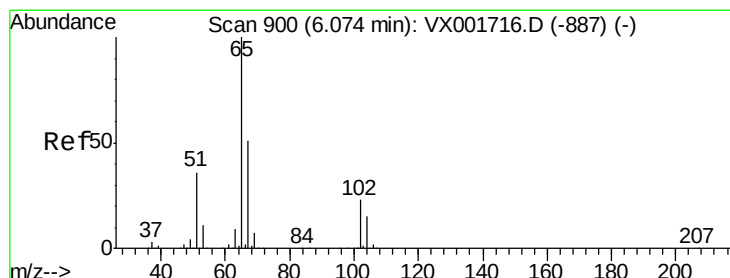
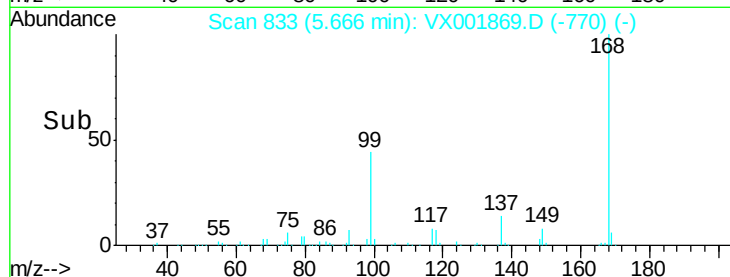
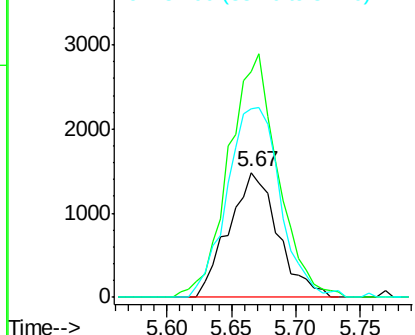
#31
Cyclohexane
Concen: 0.85 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#20

Tgt Ion: 56 Resp: 3939
Ion Ratio Lower Upper
56 100
69 176.4 25.0 37.6#
84 151.2 71.0 106.4#

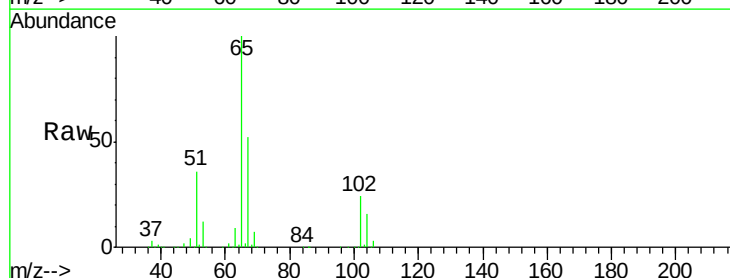


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

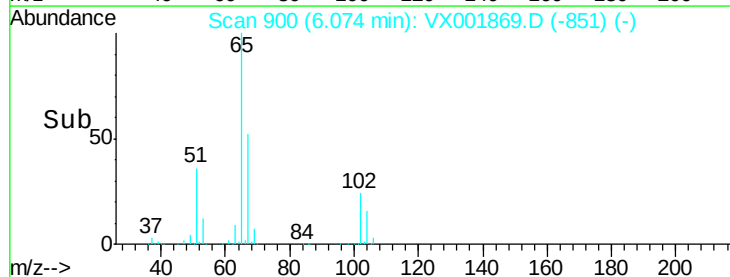
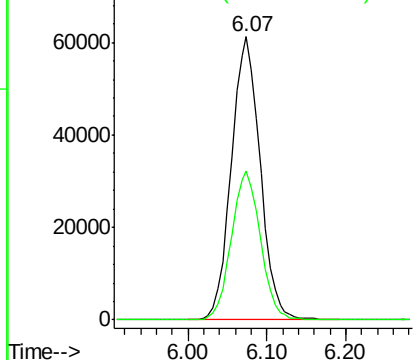


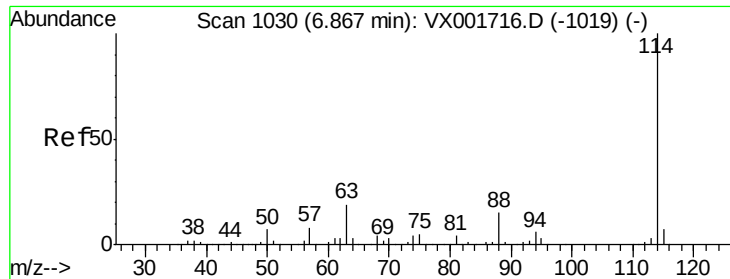
#33
1,2-Dichloroethane-d4
Concen: 42.13 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

Tgt Ion: 65 Resp: 155710
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

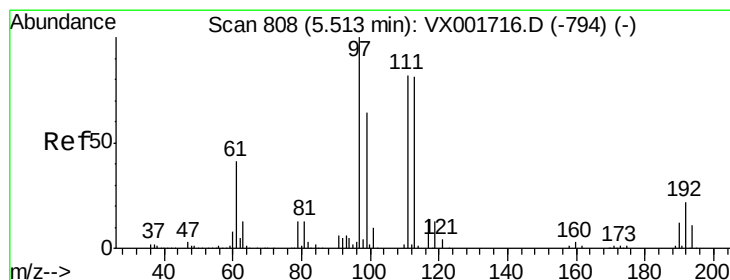
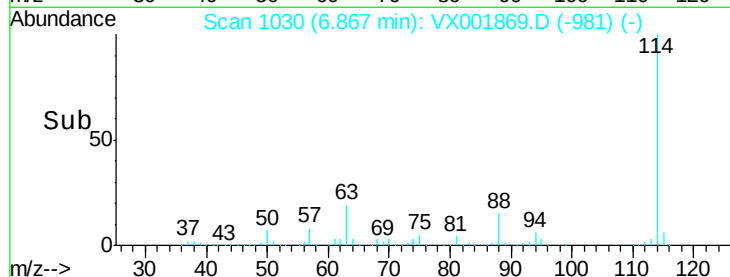
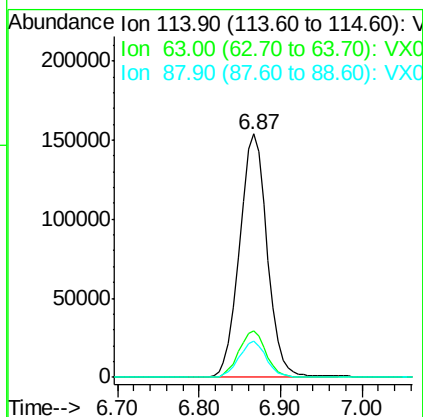
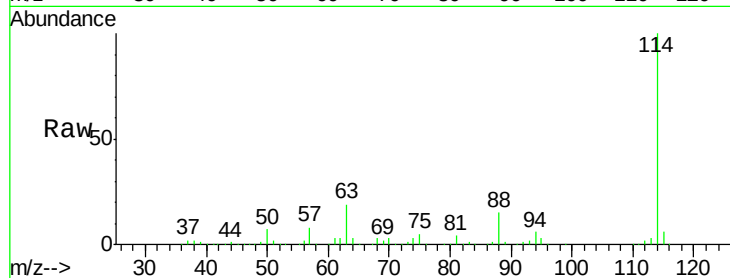




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001869.D
 Acq: 19 May 2018 11:20

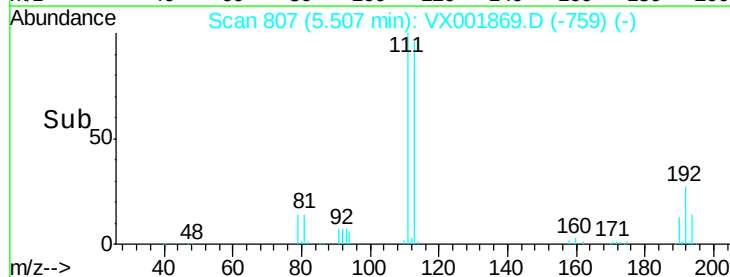
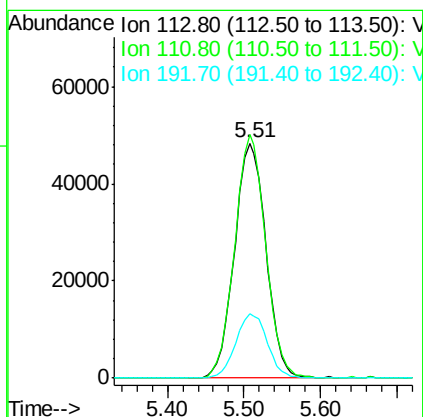
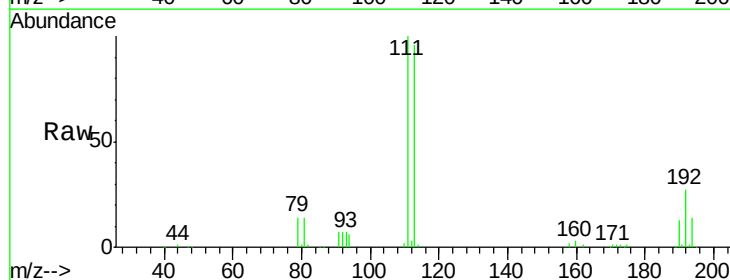
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#20

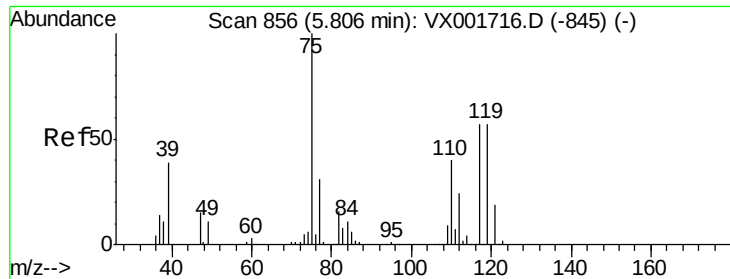
Tgt Ion:114 Resp: 361455
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 14.8 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 45.38 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001869.D
 Acq: 19 May 2018 11:20

Tgt Ion:113 Resp: 138437
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.0 123.0
 192 27.4 21.6 32.4





#36

1,1-Dichloropropene

Concen: 3.72 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001869.D

Acq: 19 May 2018 11:20

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#20

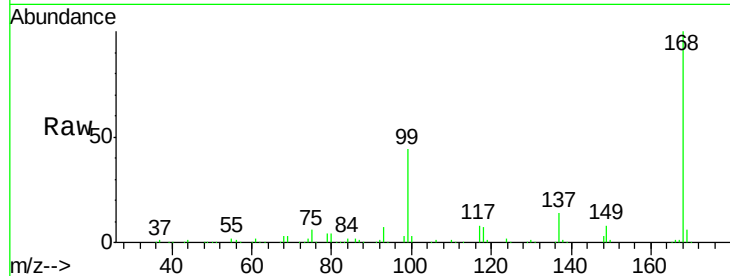
Tgt Ion: 75 Resp: 15473

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.1#

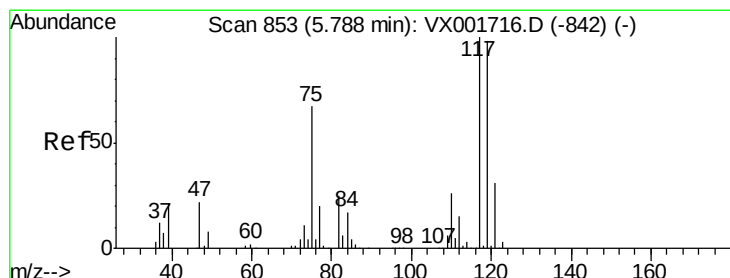
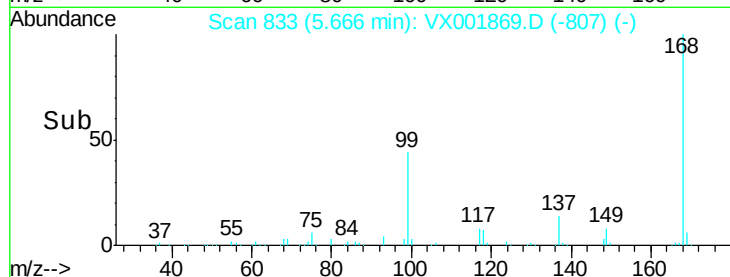
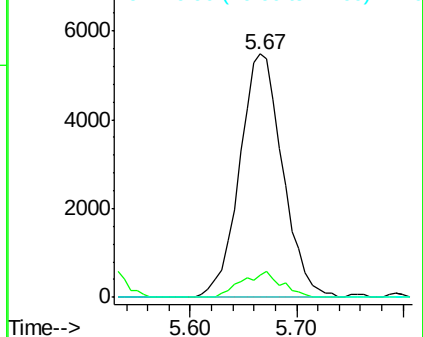
77 0.0 24.6 37.0#



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



#38

Carbon Tetrachloride

Concen: 5.03 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001869.D

Acq: 19 May 2018 11:20

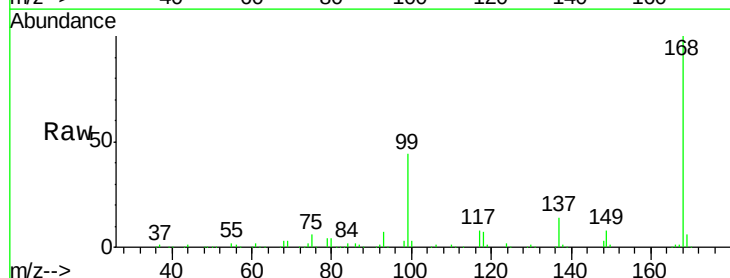
Tgt Ion: 117 Resp: 21937

Ion Ratio Lower Upper

117 100

119 6.8 77.6 116.4#

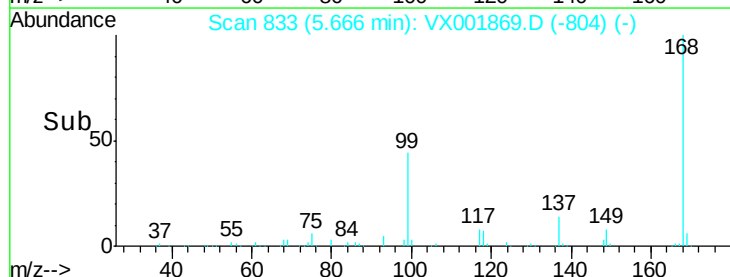
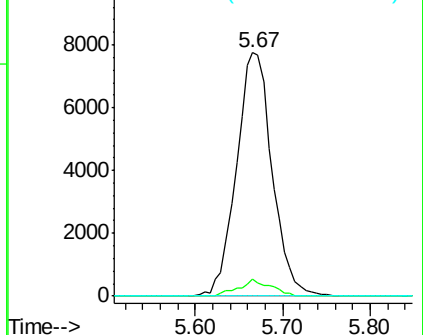
121 0.0 24.6 36.8#

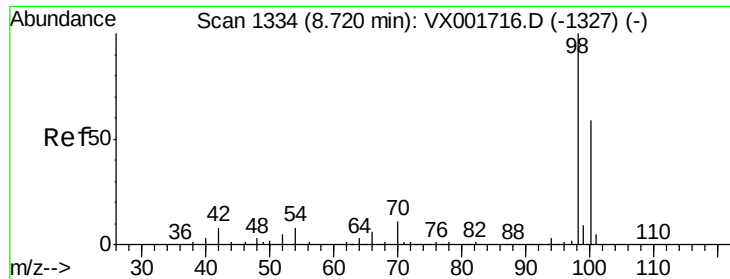


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

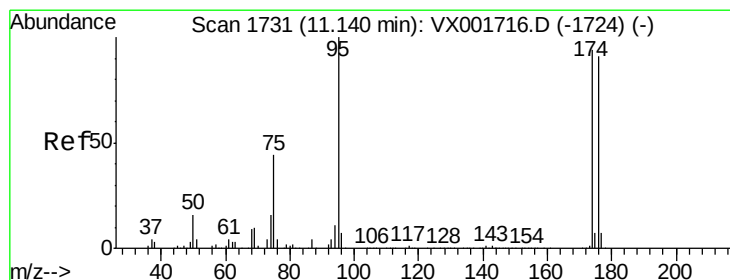
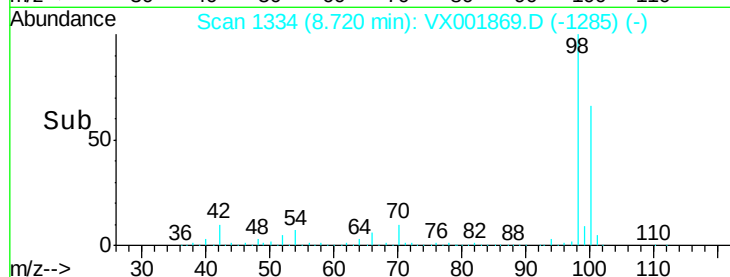
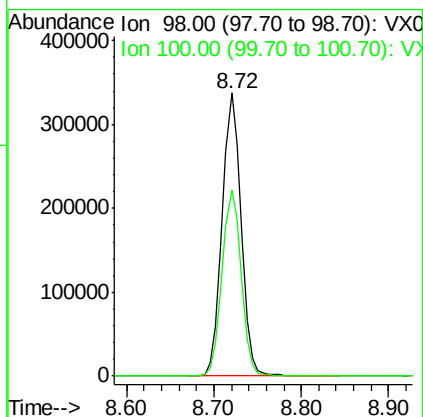
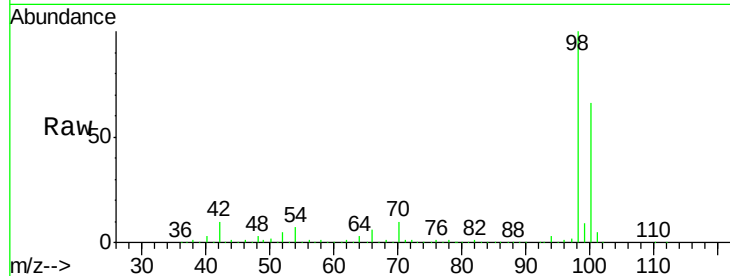




#50
Toluene-d8
Concen: 46.25 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

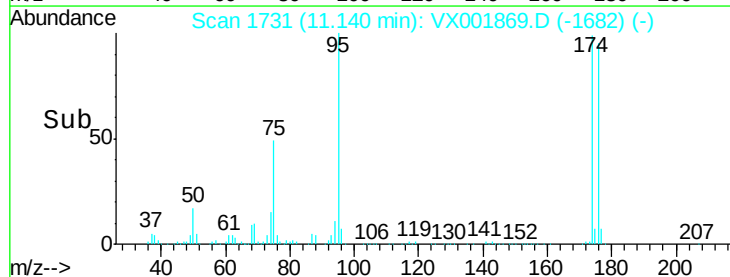
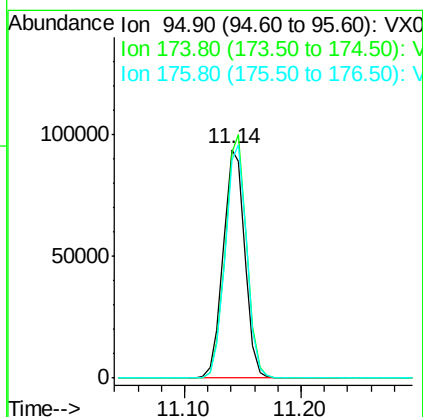
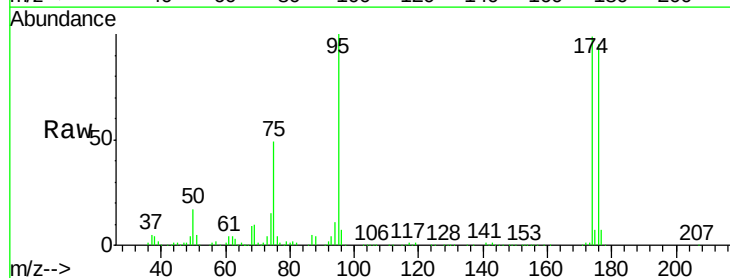
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#20

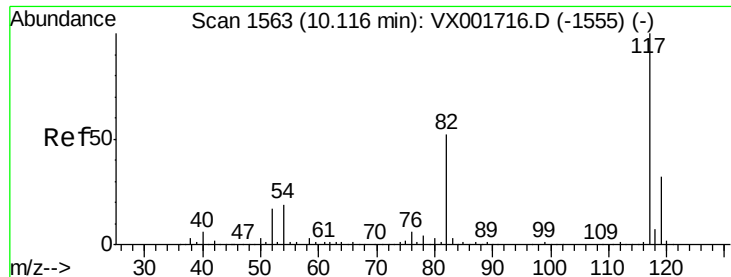
Tgt Ion: 98 Resp: 505283
Ion Ratio Lower Upper
98 100
100 66.6 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 30.47 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

Tgt Ion: 95 Resp: 119855
Ion Ratio Lower Upper
95 100
174 105.6 0.0 201.8
176 101.7 0.0 196.8

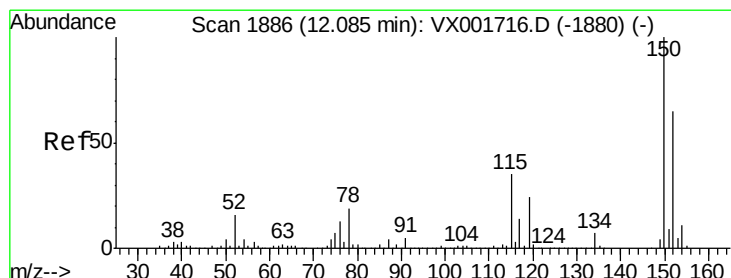
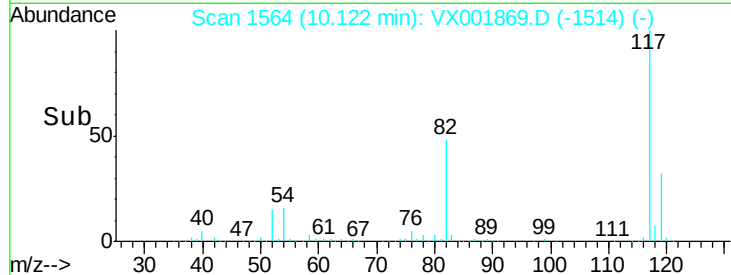
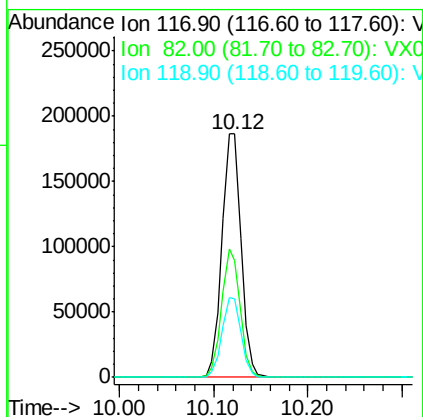
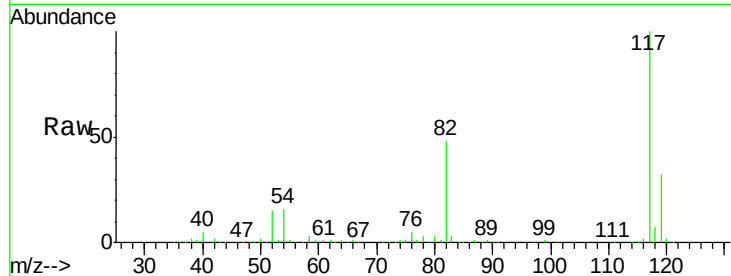




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

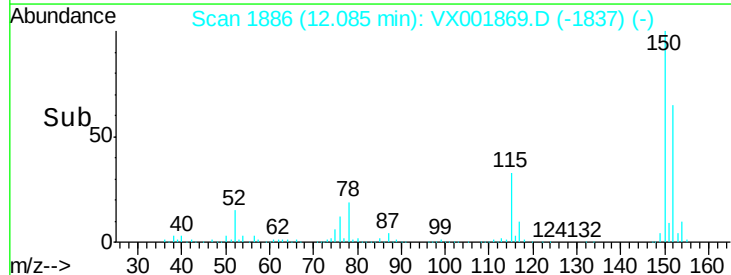
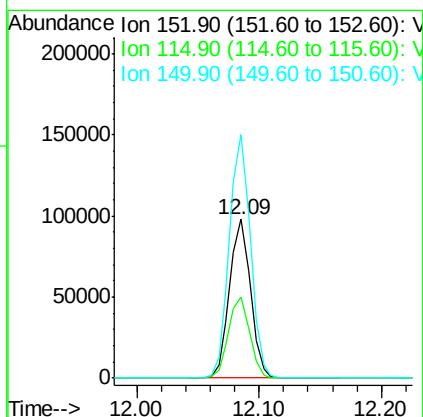
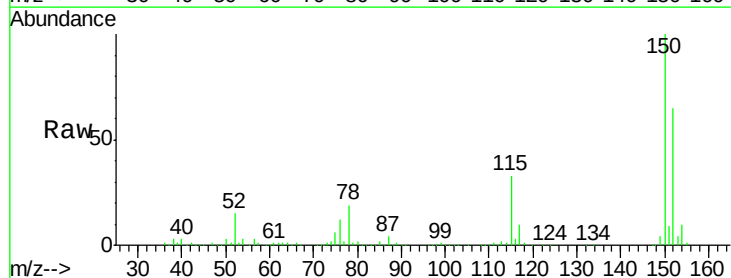
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#20

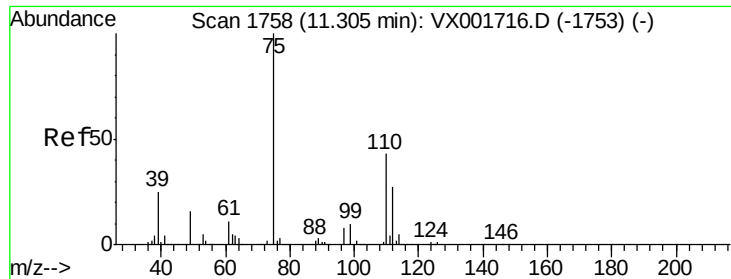
Tgt Ion:117 Resp: 263636
Ion Ratio Lower Upper
117 100
82 47.8 41.4 62.2
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001869.D
Acq: 19 May 2018 11:20

Tgt Ion:152 Resp: 115368
Ion Ratio Lower Upper
152 100
115 51.9 37.4 112.2
150 154.8 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 25.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001869.D

Acq: 19 May 2018 11:20

Instrument :

MSVOA_X

ClientSampleId :

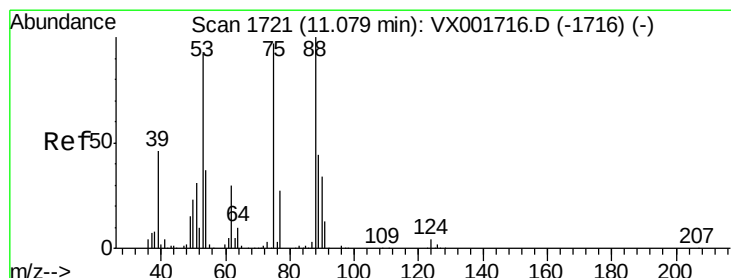
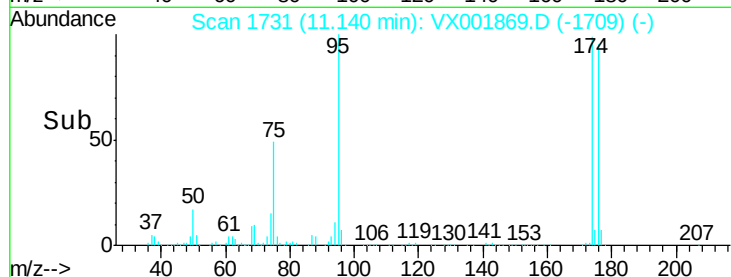
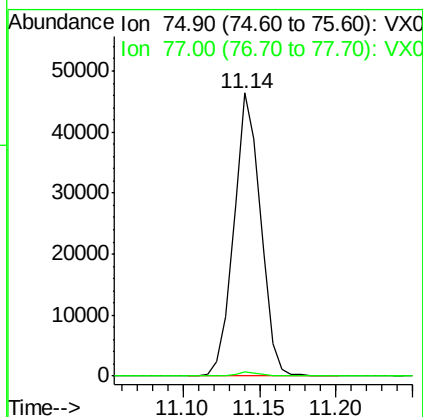
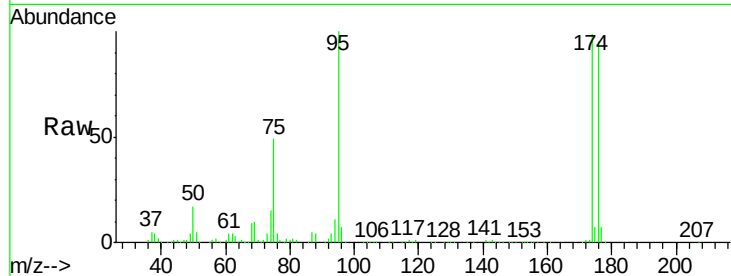
PB109413ZHE#20

Tgt Ion: 75 Resp: 56022

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001869.D

Acq: 19 May 2018 11:20

Tgt Ion: 75 Resp: 56022

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

