

Data File : VX001866.D
Acq On : 19 May 2018 10:00
Operator : JC/MD
Sample : PB109413ZHE#17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#17

Quant Time: May 21 03:25:59 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	266955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	356476	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151780	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	150613	42.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.18%	
35) Dibromofluoromethane	5.51	113	134578	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	
50) Toluene-d8	8.72	98	499513	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.14	95	138650	35.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.48%	

Target Compounds				Qvalue		
5) Bromomethane	1.64	94	576	Below Cal		93
6) Chloroethane	1.73	64	4676	2.37 ug/l	#	57
8) Diethyl Ether	2.19	74	520	0.28 ug/l		96
10) Methyl Iodide	2.50	142	638	0.25 ug/l	#	82
11) Tert butyl alcohol	3.10	59	436	0.69 ug/l	#	72
13) Acrolein	2.29	56	94	0.21 ug/l	#	1
16) Acetone	2.45	43	8055	5.73 ug/l		97
18) Methyl Acetate	2.78	43	28342	6.90 ug/l		100
20) Methylene Chloride	2.85	84	5228	1.74 ug/l		95
25) 2-Butanone	4.72	43	2520	1.17 ug/l	#	81
29) Tetrahydrofuran	5.18	42	386	0.28 ug/l	#	67
31) Cyclohexane	5.67	56	3970	0.88 ug/l	#	1
36) 1,1-Dichloropropene	5.66	75	14890	3.63 ug/l	#	48
38) Carbon Tetrachloride	5.67	117	21445	4.99 ug/l	#	17
59) 2-Hexanone	9.51	43	673	0.22 ug/l		73
76) 1,2,3-Trichloropropane	11.14	75	64820	22.46 ug/l	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	64820	65.81 ug/l	#	10

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

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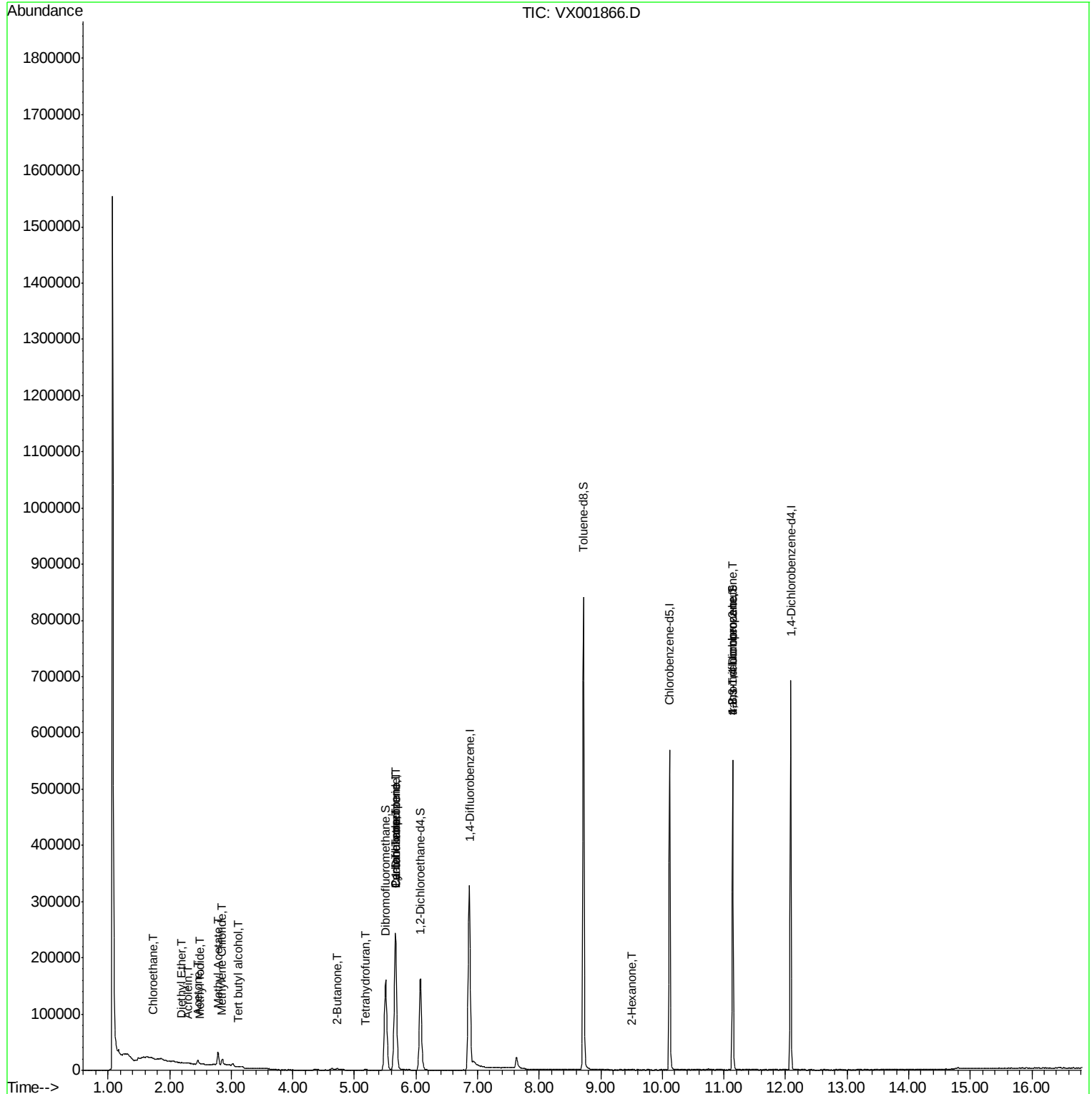
Quant Time: May 21 03:25:59 2018

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

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001866.D

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Instrument :

MSVOA_X

ClientSampleId :

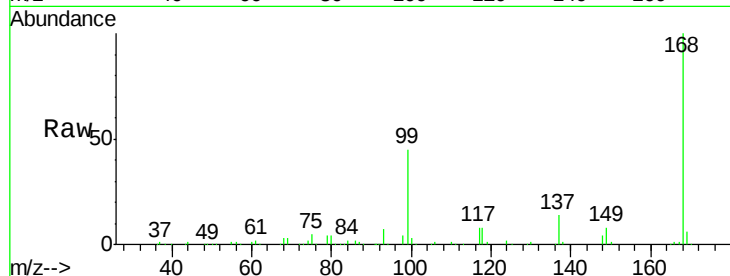
PB109413ZHE#17

Tgt Ion: 168 Resp: 266955

Ion Ratio Lower Upper

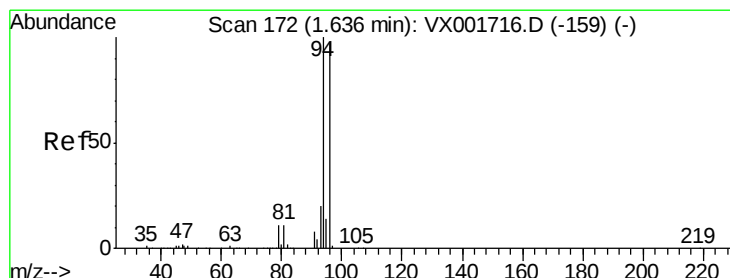
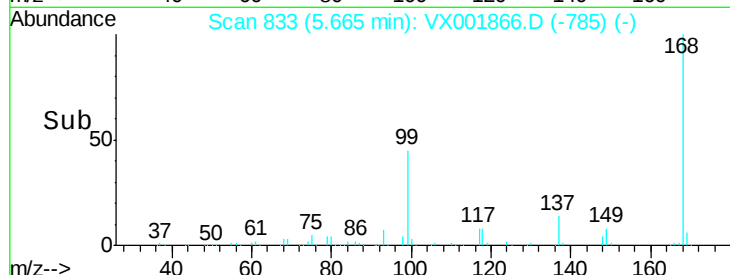
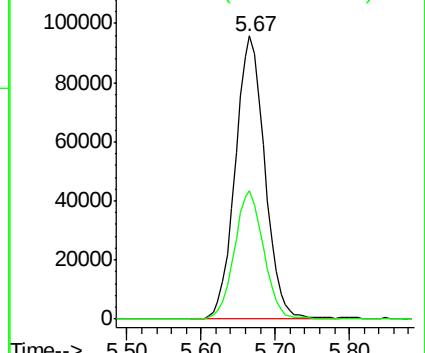
168 100

99 45.4 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# 172

Delta R.T. 0.00 min

Lab File: VX001866.D

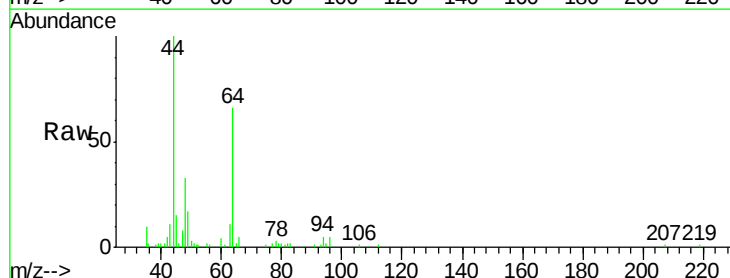
Acq: 19 May 2018 10:00

Tgt Ion: 94 Resp: 576

Ion Ratio Lower Upper

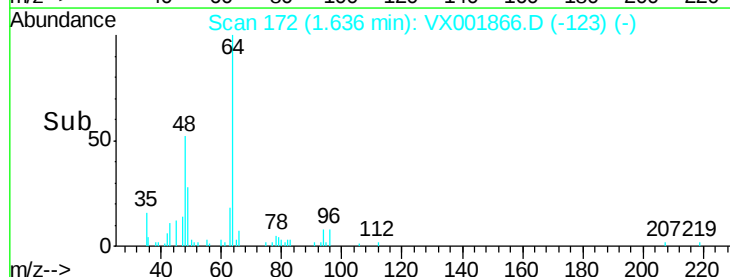
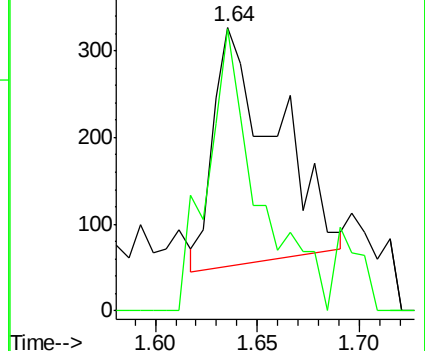
94 100

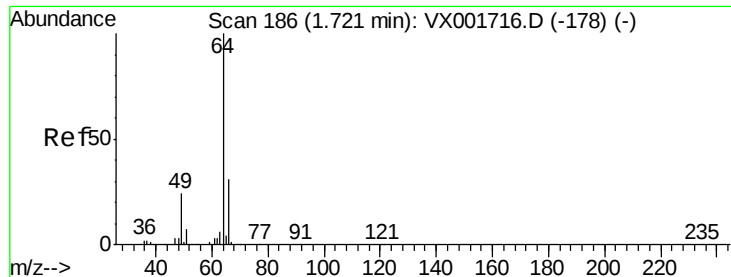
96 89.5 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.37 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

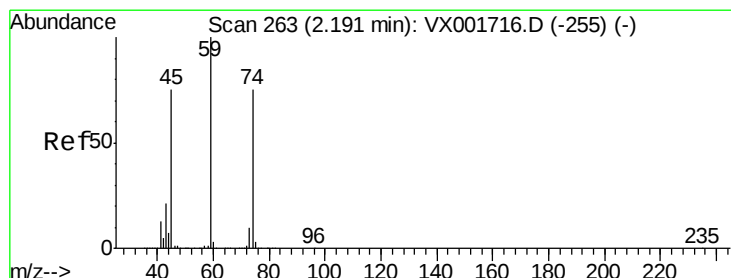
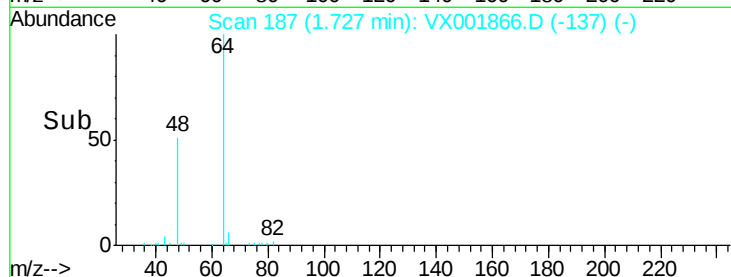
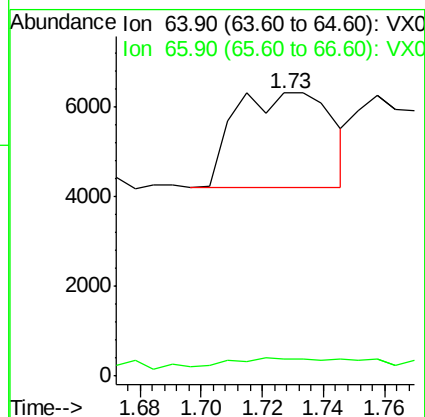
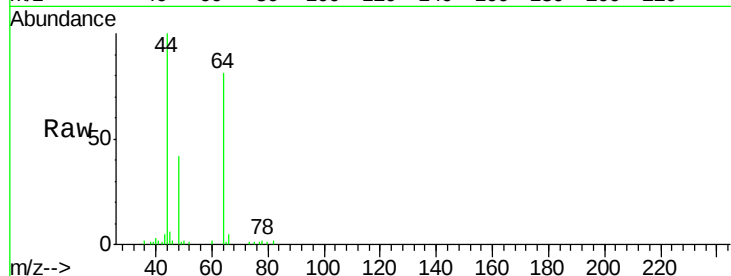
PB109413ZHE#17

Tgt Ion: 64 Resp: 4676

Ion Ratio Lower Upper

64 100

66 7.8 25.2 37.8#



#8

Diethyl Ether

Concen: 0.28 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001866.D

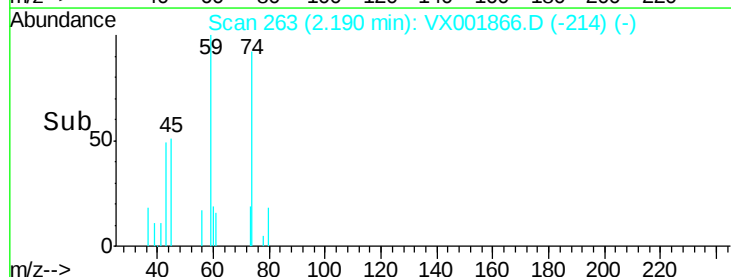
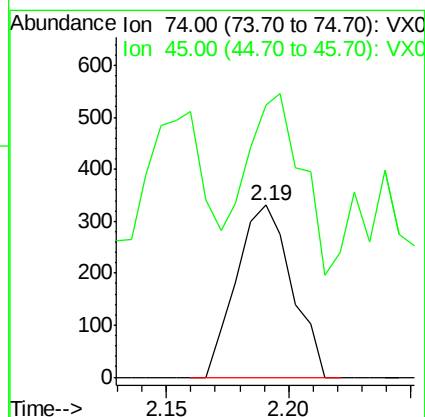
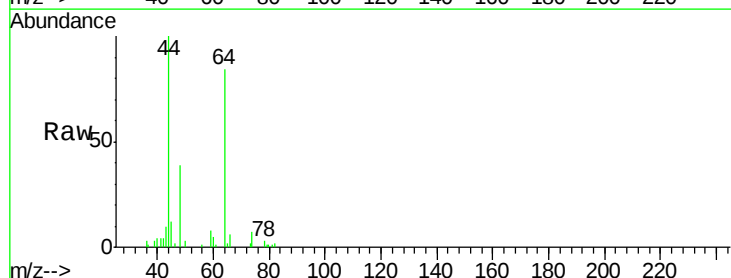
Acq: 19 May 2018 10:00

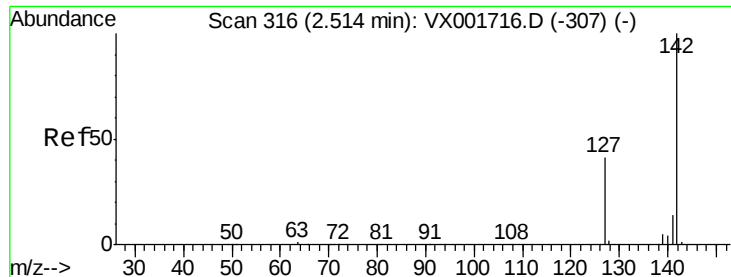
Tgt Ion: 74 Resp: 520

Ion Ratio Lower Upper

74 100

45 103.7 50.0 149.8

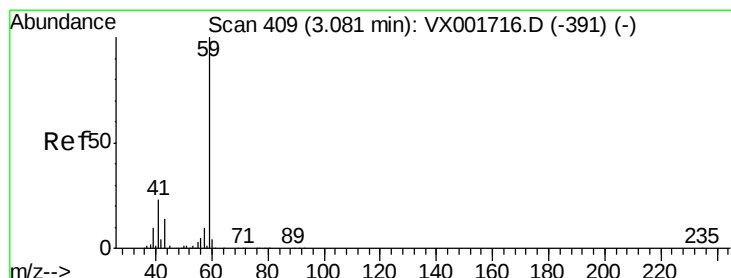
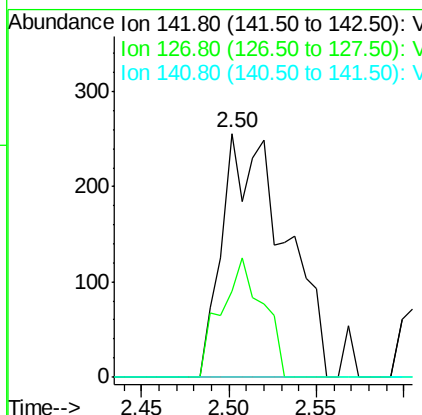
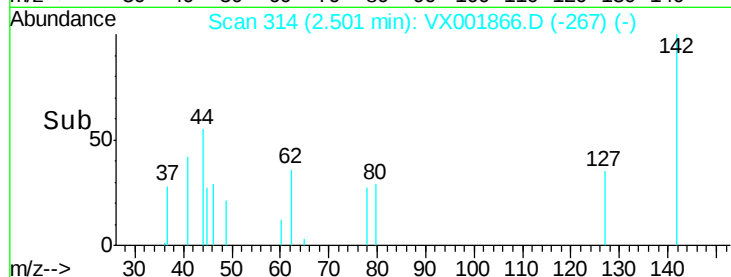
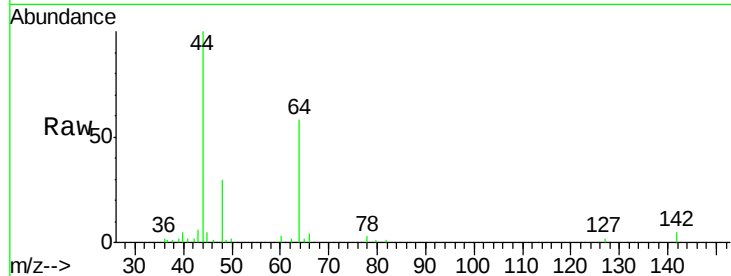




#10
Methyl Iodide
Concen: 0.25 ug/l
RT: 2.50 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX001866.D
Acq: 19 May 2018 10:00

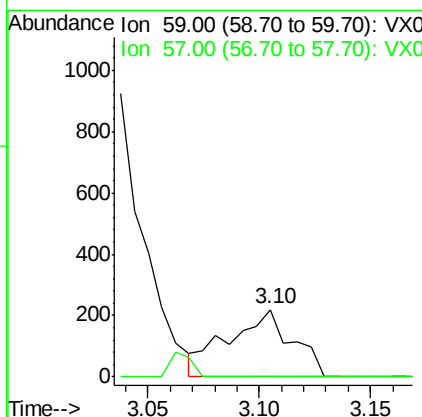
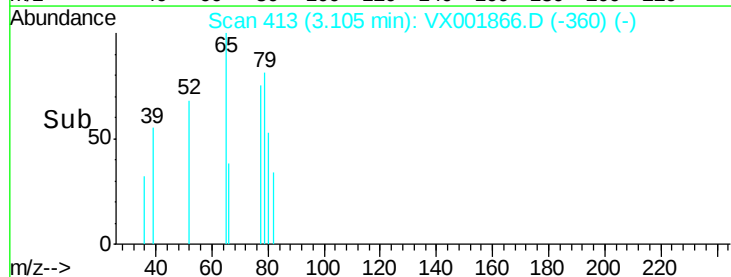
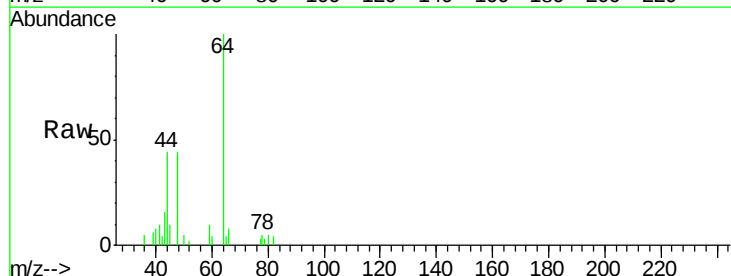
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#17

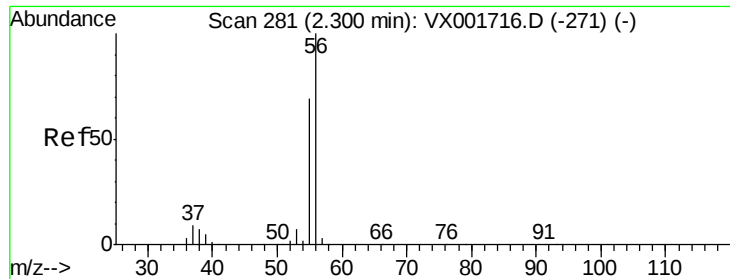
Tgt Ion: 142 Resp: 638
Ion Ratio Lower Upper
142 100
127 32.9 32.5 48.7
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.69 ug/l
RT: 3.10 min Scan# 413
Delta R.T. 0.02 min
Lab File: VX001866.D
Acq: 19 May 2018 10:00

Tgt Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.21 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

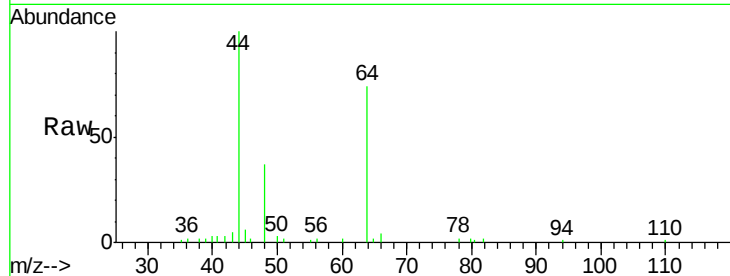
PB109413ZHE#17

Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

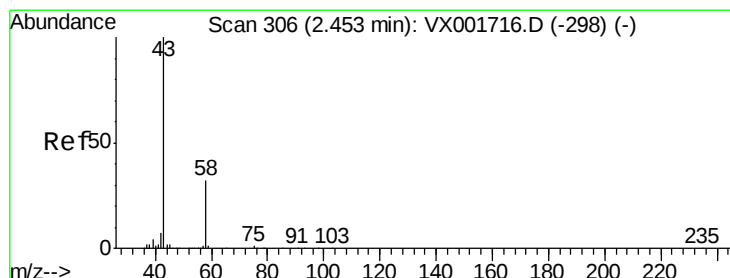
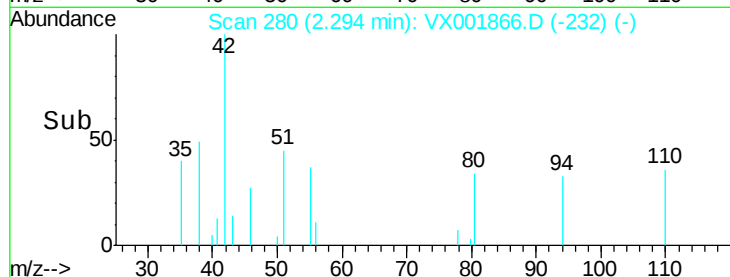
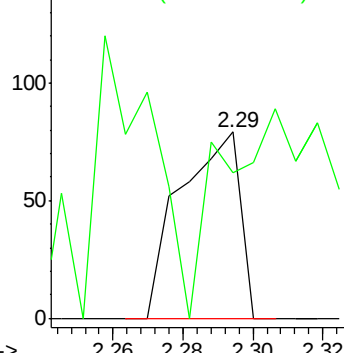
56 100

55 193.6 56.2 84.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.73 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001866.D

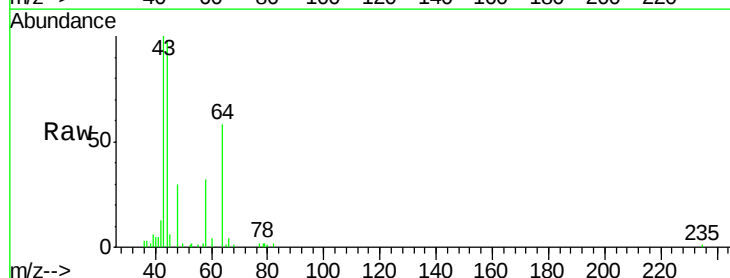
Acq: 19 May 2018 10:00

Tgt Ion: 43 Resp: 8055

Ion Ratio Lower Upper

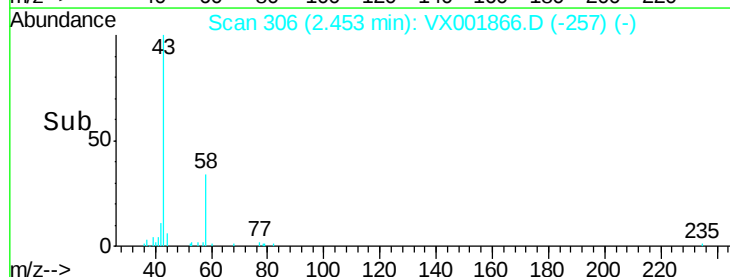
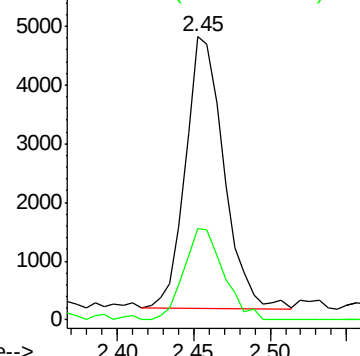
43 100

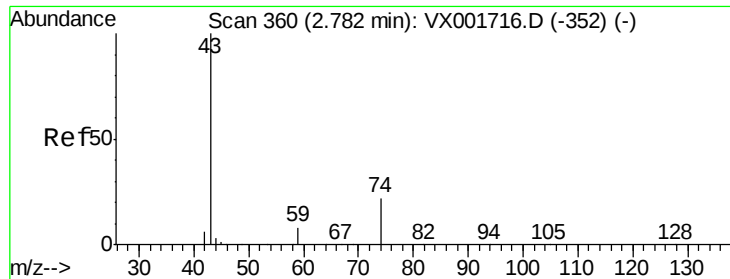
58 33.5 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

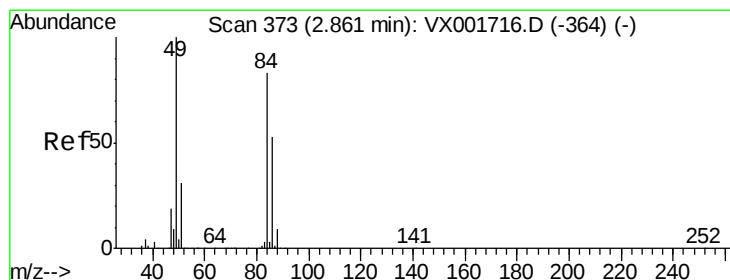
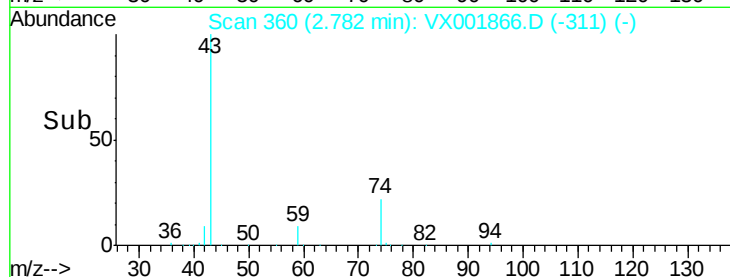
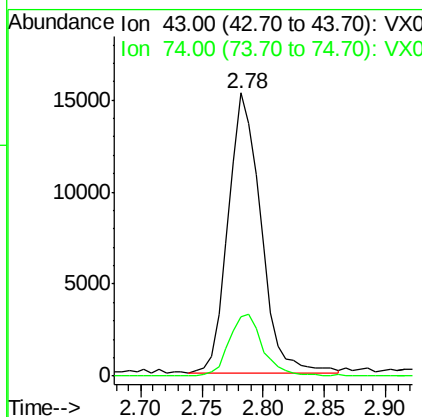
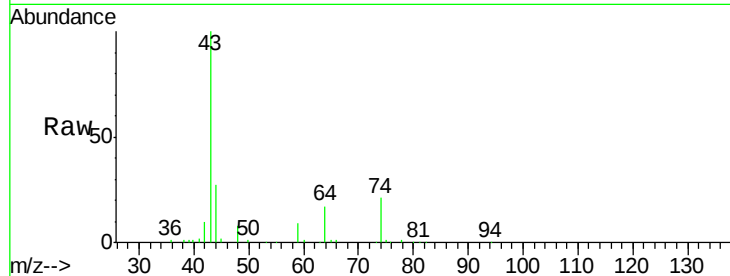




#18
Methyl Acetate
Concen: 6.90 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001866.D
Acq: 19 May 2018 10:00

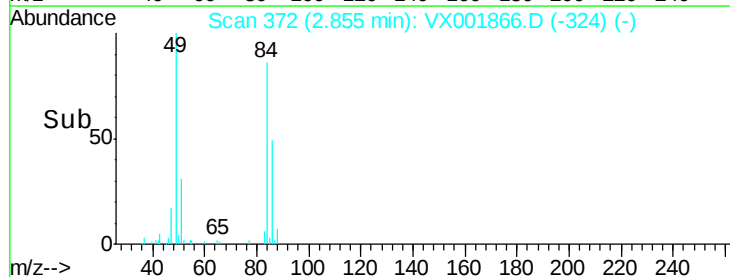
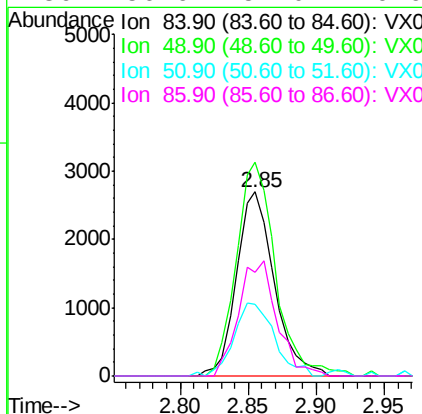
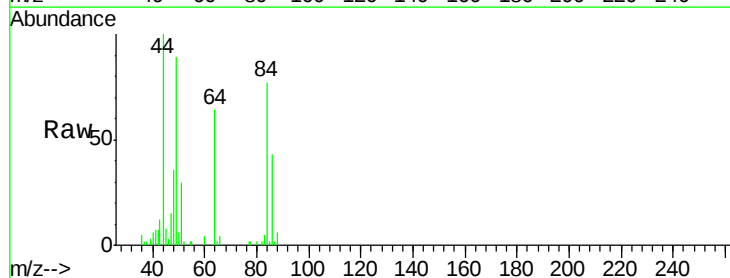
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#17

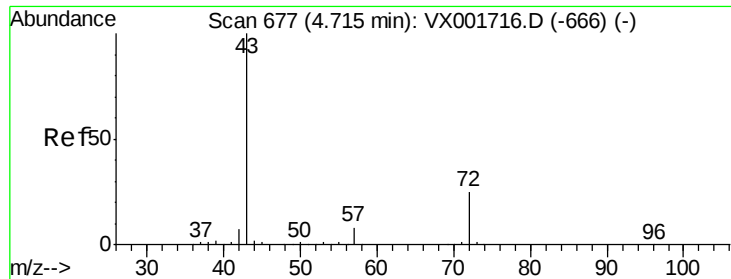
Tgt Ion: 43 Resp: 28342
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.2



#20
Methylene Chloride
Concen: 1.74 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001866.D
Acq: 19 May 2018 10:00

Tgt Ion: 84 Resp: 5228
Ion Ratio Lower Upper
84 100
49 116.2 96.3 144.5
51 39.0 29.8 44.6
86 56.6 51.0 76.6





#25

2-Butanone

Concen: 1.17 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

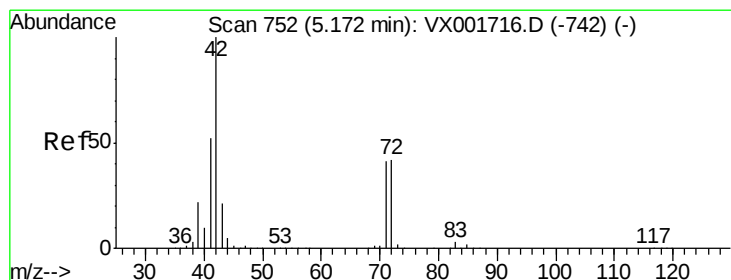
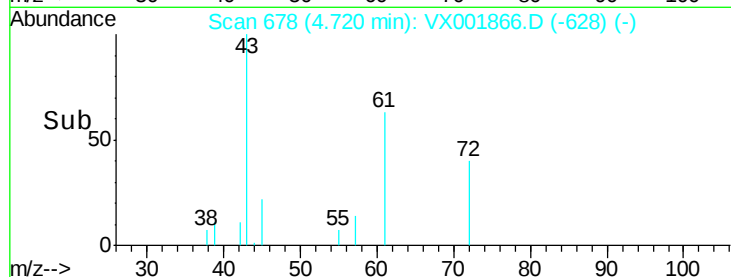
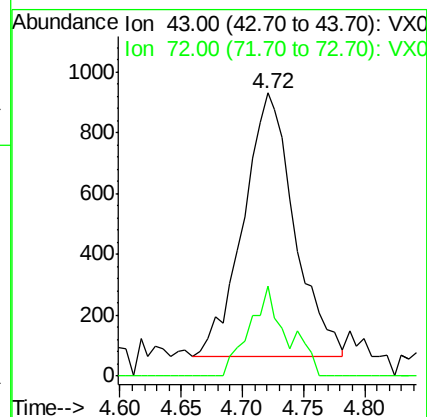
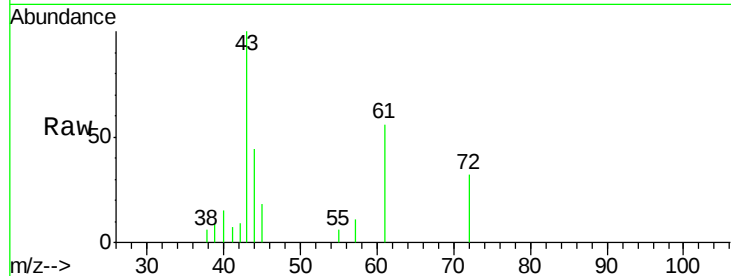
PB109413ZHE#17

Tgt Ion: 43 Resp: 2520

Ion Ratio Lower Upper

43 100

72 34.3 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

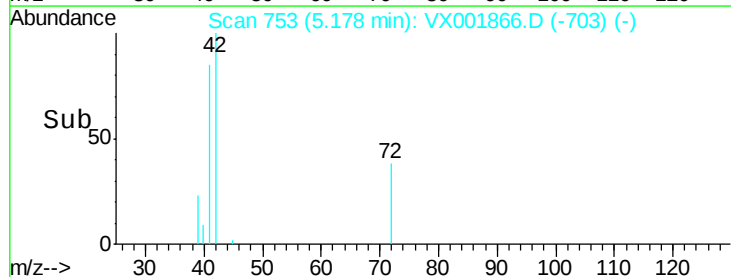
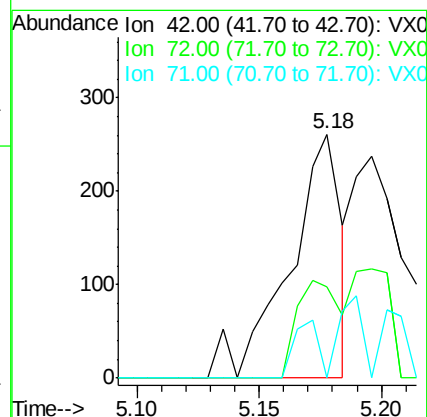
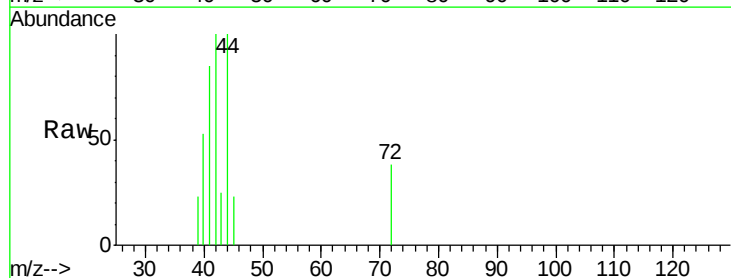
Tgt Ion: 42 Resp: 386

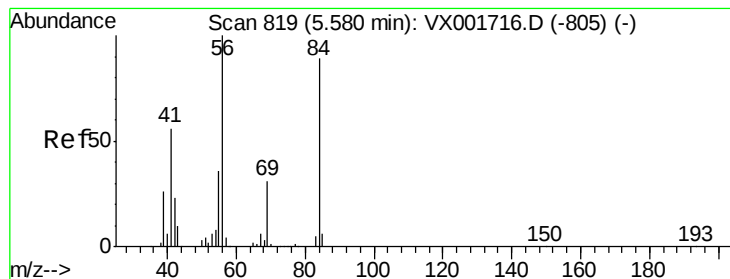
Ion Ratio Lower Upper

42 100

72 32.9 35.4 53.2#

71 10.9 33.2 49.8#





#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#17

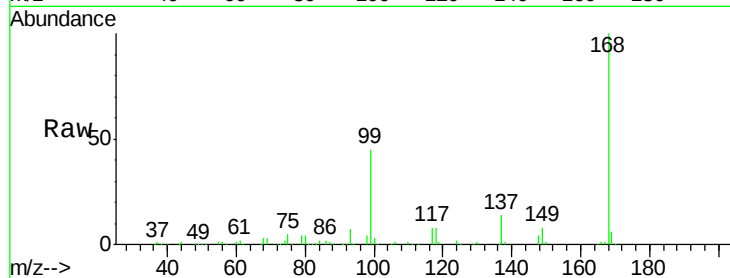
Tgt Ion: 56 Resp: 3970

Ion Ratio Lower Upper

56 100

69 185.3 25.0 37.6#

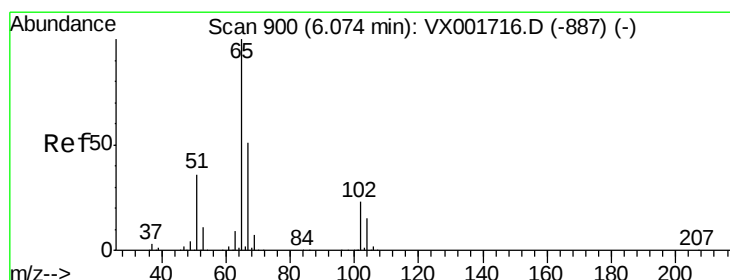
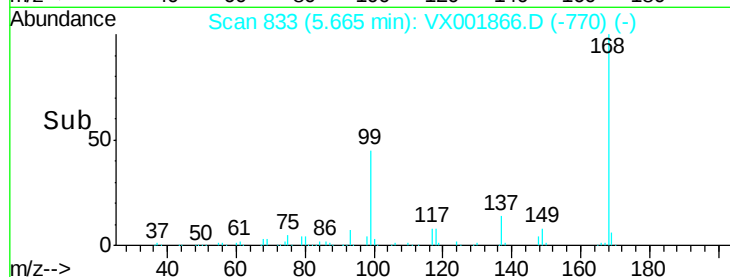
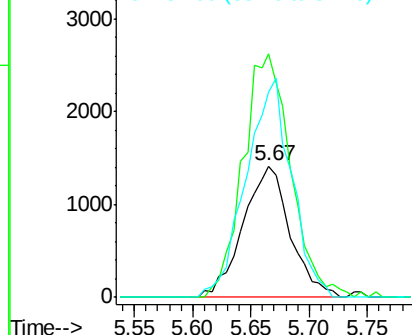
84 156.0 71.0 106.4#



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: 42.09 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001866.D

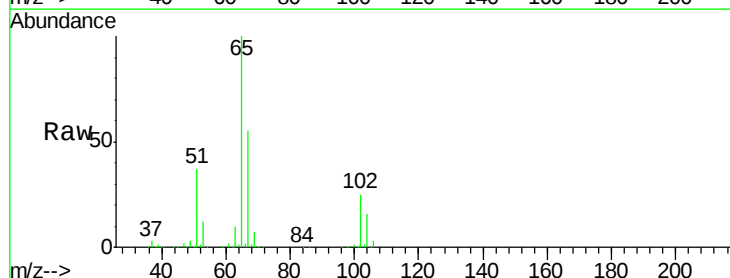
Acq: 19 May 2018 10:00

Tgt Ion: 65 Resp: 150613

Ion Ratio Lower Upper

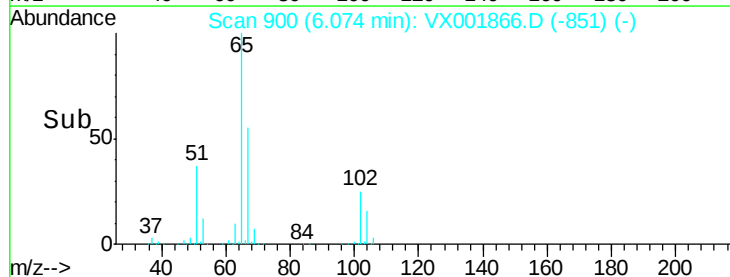
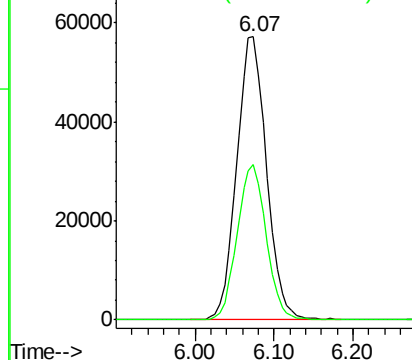
65 100

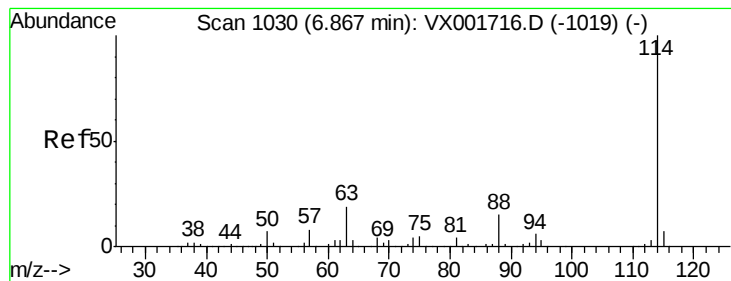
67 53.7 0.0 102.8



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: VX001866.D

Acq: 19 May 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#17

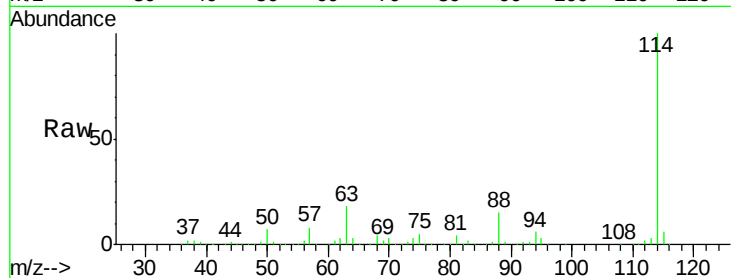
Tgt Ion:114 Resp: 356476

Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.0

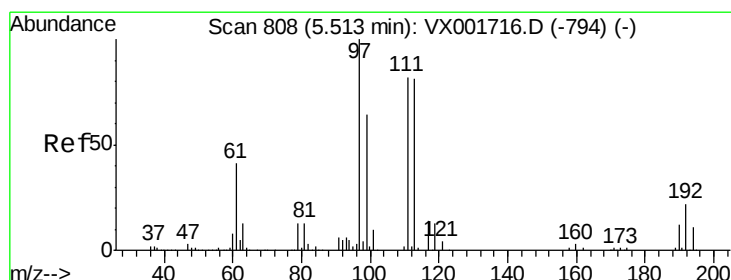
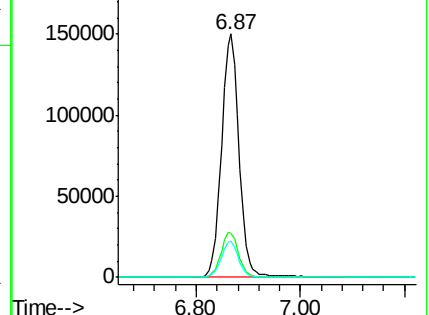
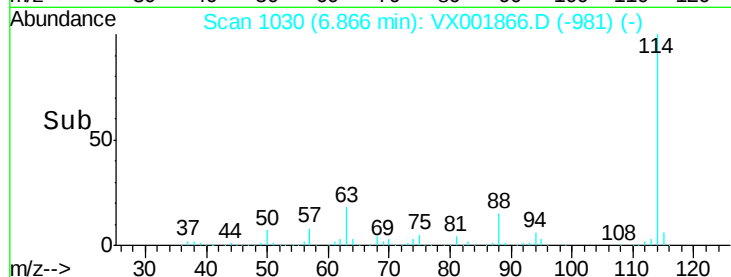
88 15.0 0.0 29.8



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: 44.74 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

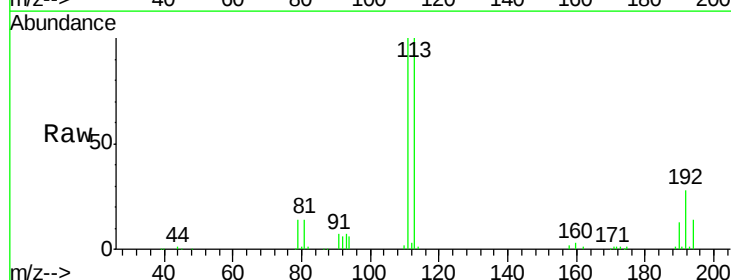
Tgt Ion:113 Resp: 134578

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

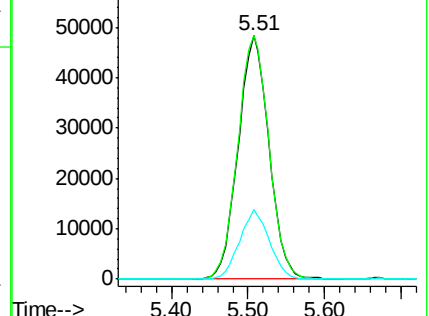
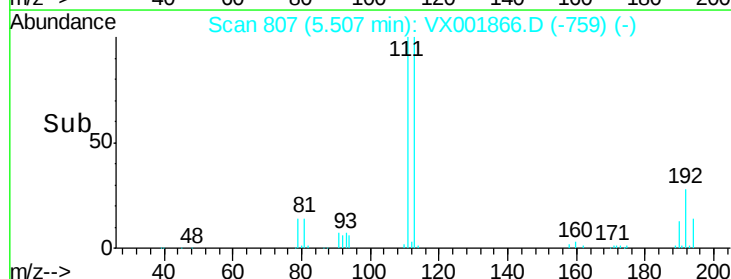
192 27.7 21.6 32.4

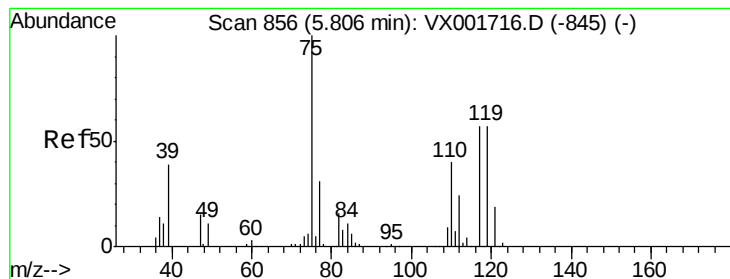


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.63 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.15 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#17

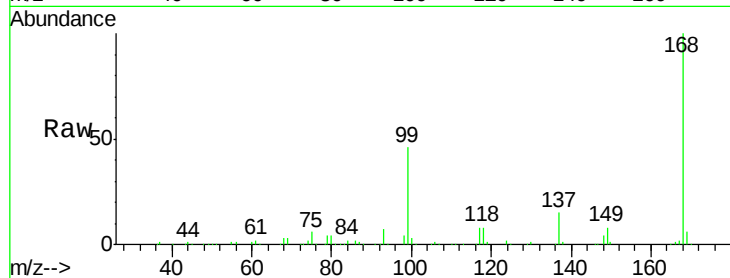
Tgt Ion: 75 Resp: 14890

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.1#

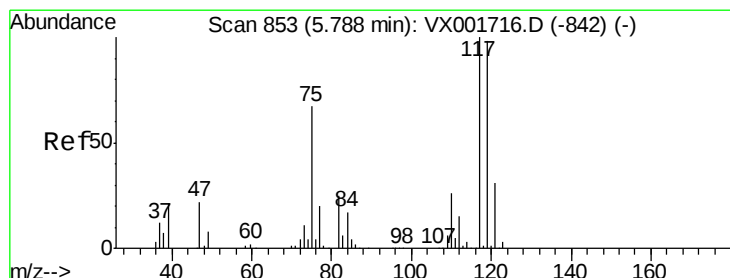
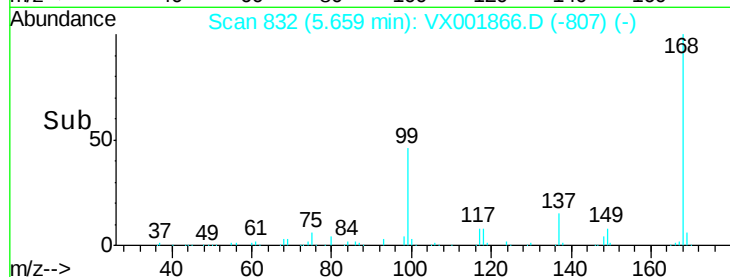
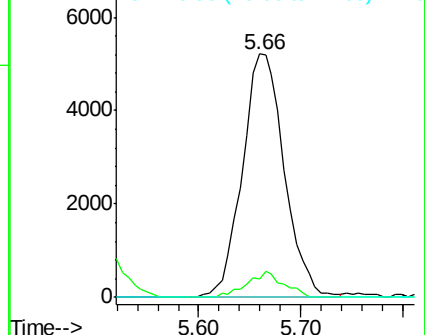
77 0.0 24.6 37.0#



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: 4.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

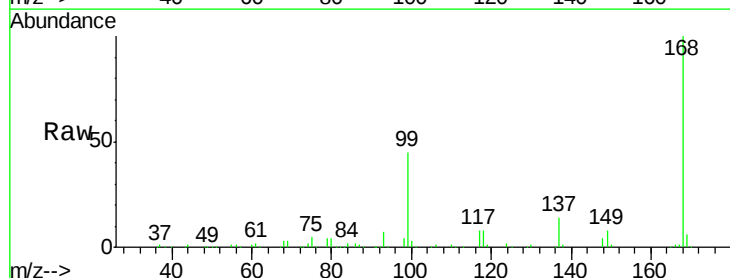
Tgt Ion: 117 Resp: 21445

Ion Ratio Lower Upper

117 100

119 6.4 77.6 116.4#

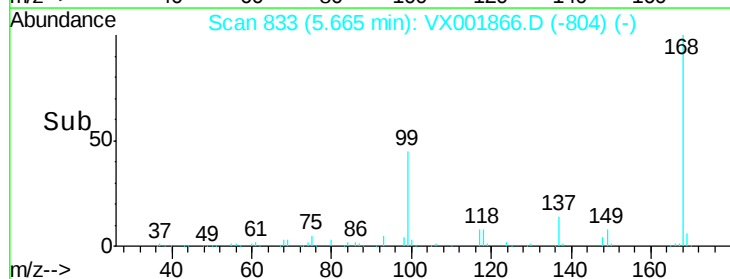
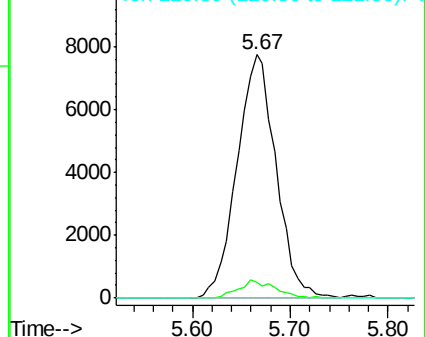
121 0.0 24.6 36.8#

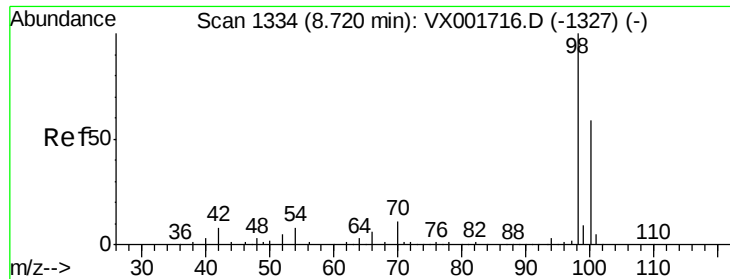


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

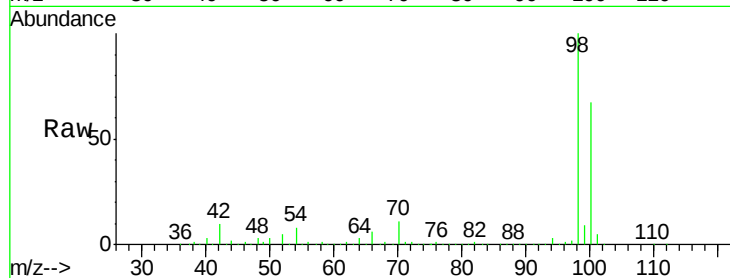
PB109413ZHE#17

Tgt Ion: 98 Resp: 499513

Ion Ratio Lower Upper

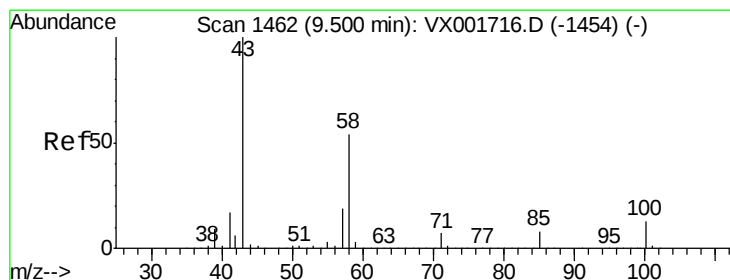
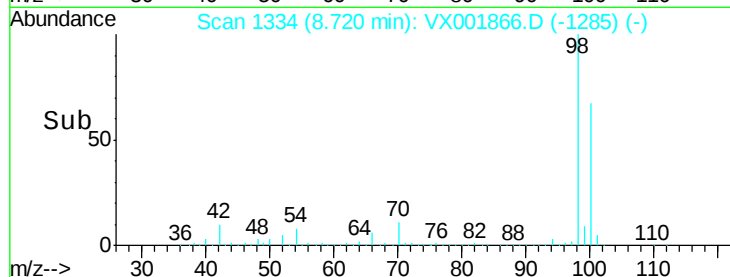
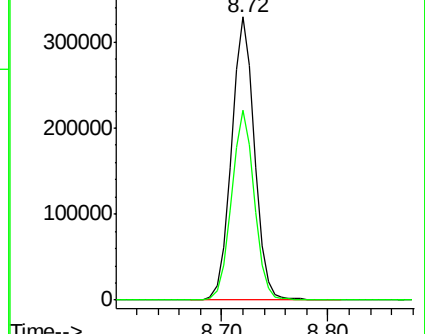
98 100

100 66.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#59

2-Hexanone

Concen: 0.22 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.01 min

Lab File: VX001866.D

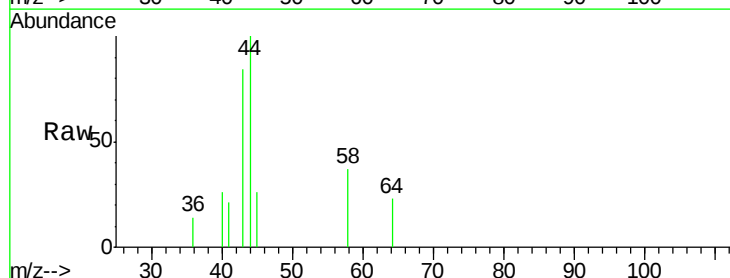
Acq: 19 May 2018 10:00

Tgt Ion: 43 Resp: 673

Ion Ratio Lower Upper

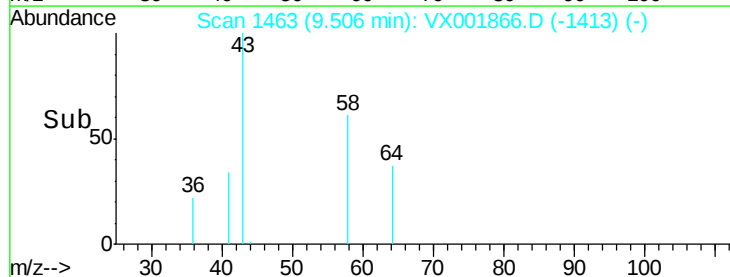
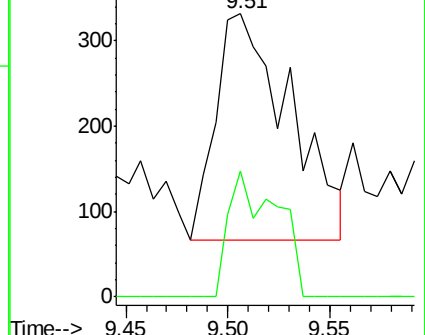
43 100

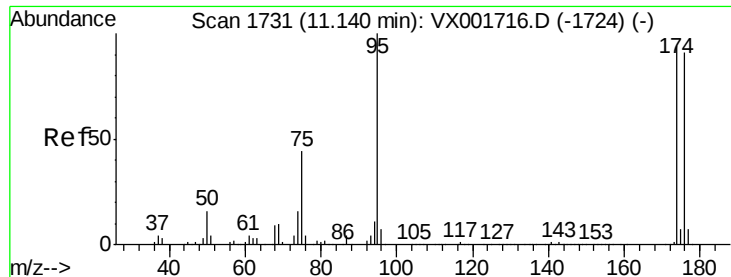
58 36.0 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

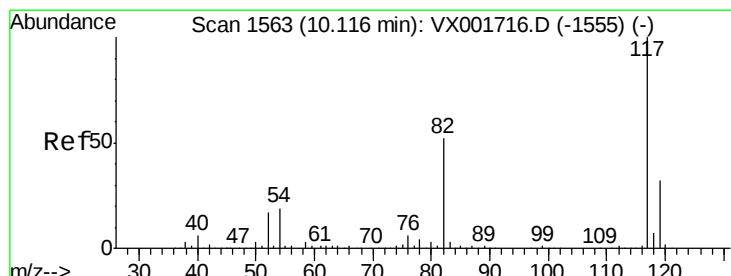
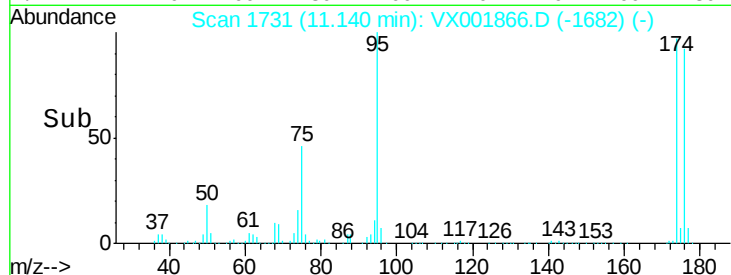
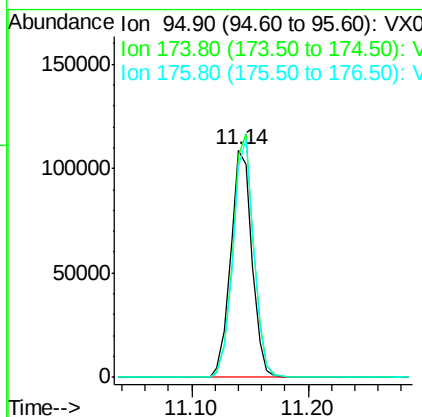
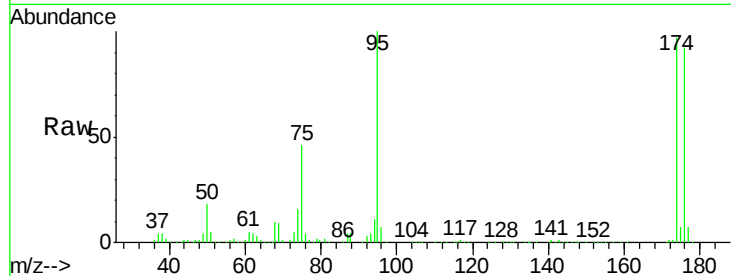




#62
4-Bromofluorobenzene
Concen: 35.74 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001866.D
Acq: 19 May 2018 10:00

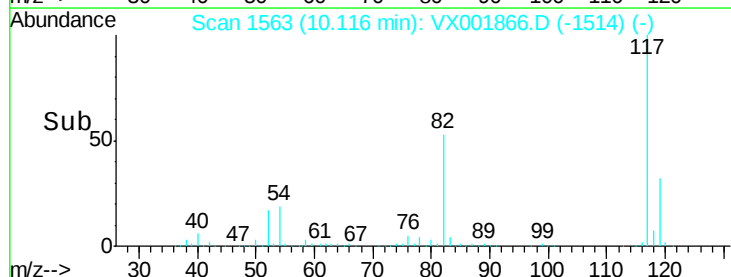
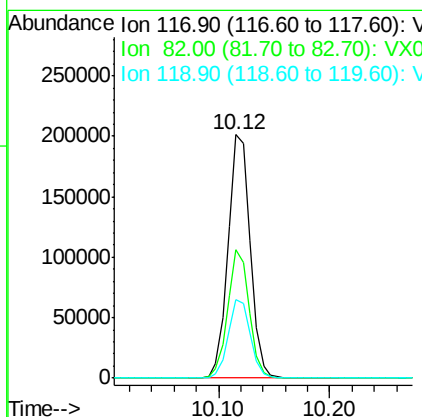
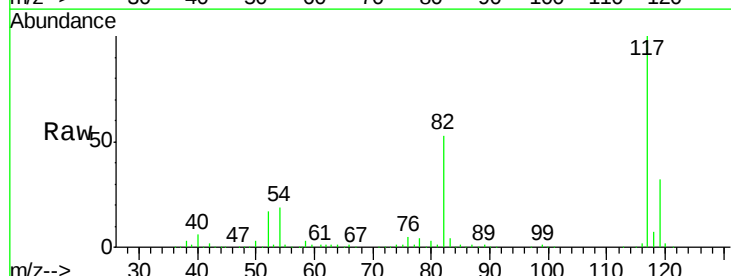
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#17

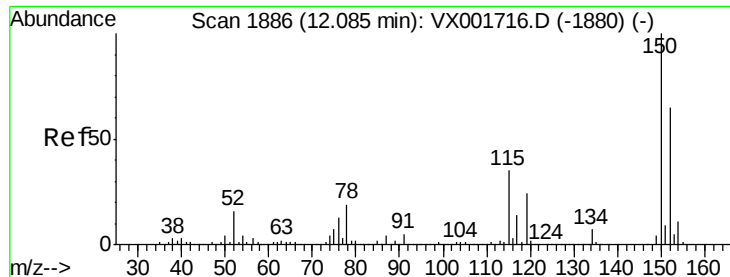
Tgt Ion: 95 Resp: 138650
Ion Ratio Lower Upper
95 100
174 105.3 0.0 201.8
176 101.5 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001866.D
Acq: 19 May 2018 10:00

Tgt Ion: 117 Resp: 277541
Ion Ratio Lower Upper
117 100
82 52.6 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: VX001866.D

Acq: 19 May 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#17

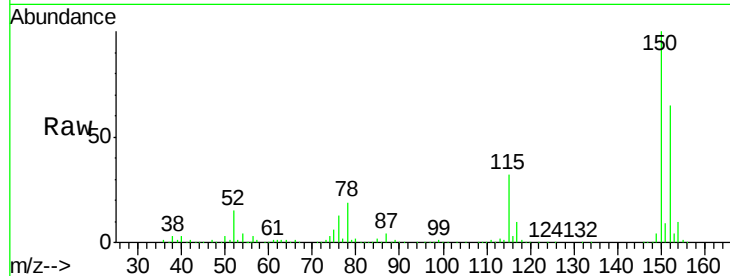
Tgt Ion:152 Resp: 151780

Ion Ratio Lower Upper

152 100

115 51.3 37.4 112.2

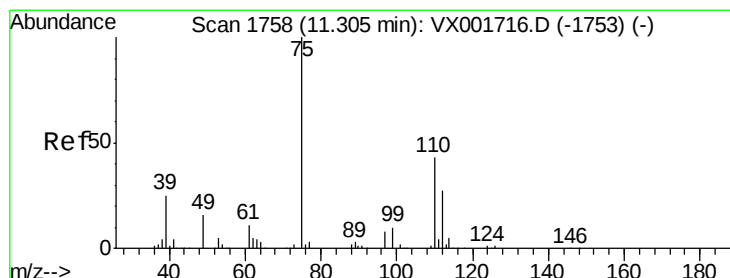
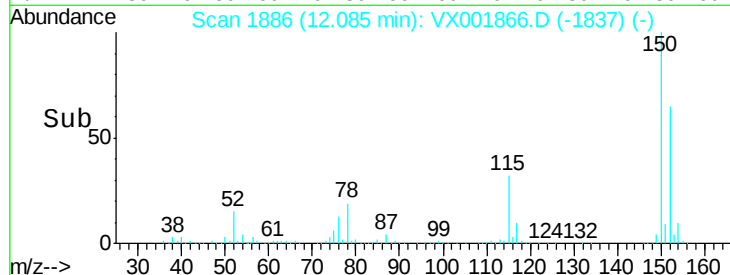
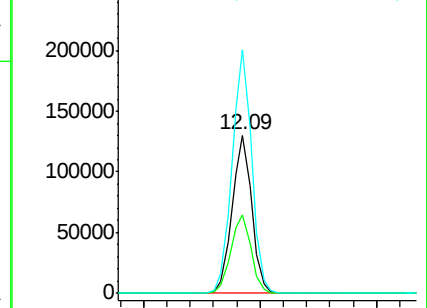
150 154.0 0.0 344.8



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: 22.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001866.D

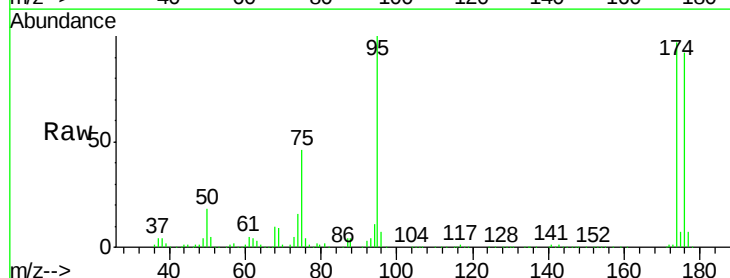
Acq: 19 May 2018 10:00

Tgt Ion: 75 Resp: 64820

Ion Ratio Lower Upper

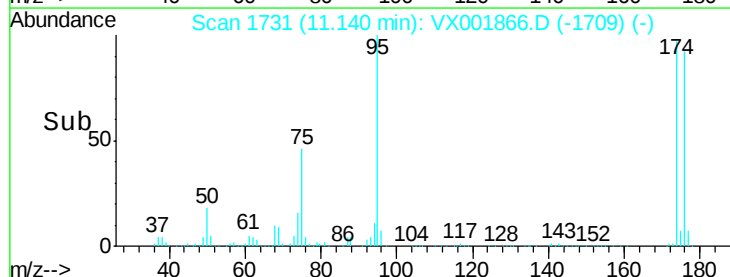
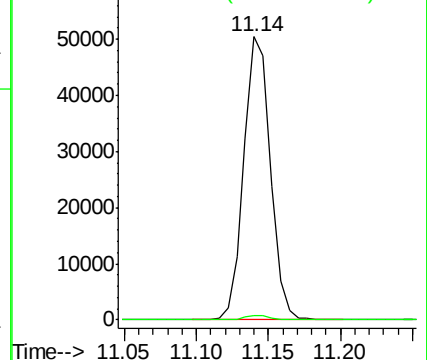
75 100

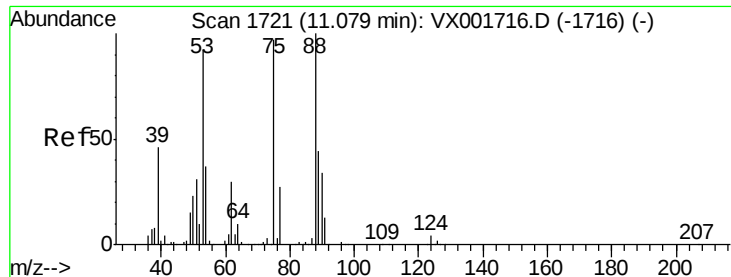
77 1.4 18.9 56.7#



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: 65.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001866.D

Acq: 19 May 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#17

Tgt Ion: 75 Resp: 64820

Ion Ratio Lower Upper

75 100

53 0.2 79.4 119.2#

89 0.0 38.8 58.2#

