

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001919.D
 Acq On : 23 May 2018 03:12
 Operator : JC/MD
 Sample : PB109525ZHE#19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

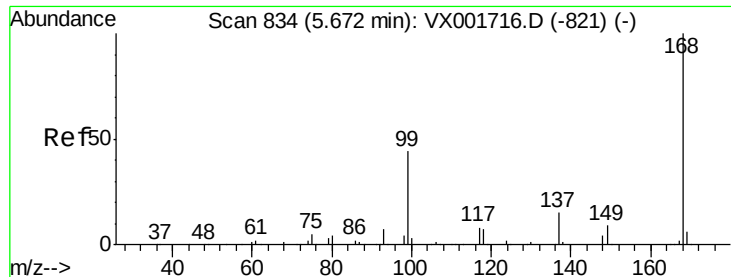
Quant Time: May 23 03:39:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348058	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	174526	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	162990	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
35) Dibromofluoromethane	5.51	113	135202	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
50) Toluene-d8	8.72	98	490642	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.14	95	153057	40.41	ug/l	0.00
Spiked Amount			Recovery	=	80.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	867	Below Cal	#	64
8) Diethyl Ether	2.19	74	394	0.22	ug/l	75
10) Methyl Iodide	2.53	142	1172	0.48	ug/l #	89
13) Acrolein	2.29	56	103	0.24	ug/l #	1
15) Acrylonitrile	3.15	53	514	0.33	ug/l #	18
16) Acetone	2.45	43	7873	5.80	ug/l	100
18) Methyl Acetate	2.78	43	23284	5.87	ug/l	99
20) Methylene Chloride	2.86	84	7387	2.54	ug/l	98
25) 2-Butanone	4.72	43	2348	1.13	ug/l #	88
29) Tetrahydrofuran	5.17	42	930	0.69	ug/l #	69
31) Cyclohexane	5.67	56	4578	1.05	ug/l #	3
38) Carbon Tetrachloride	5.67	117	21486	5.12	ug/l #	16
71) Bromoform	10.86	173	70	2.95	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	72476	21.84	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	72476	64.08	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	1469	0.30	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001919.D

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Instrument :

MSVOA_X

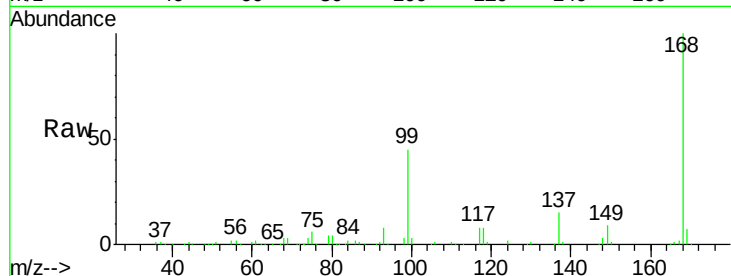
ClientSampleId :

Tot Ion:168 Resp: 257840

Ion Ratio Lower Upper

168 100

99 45.3 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

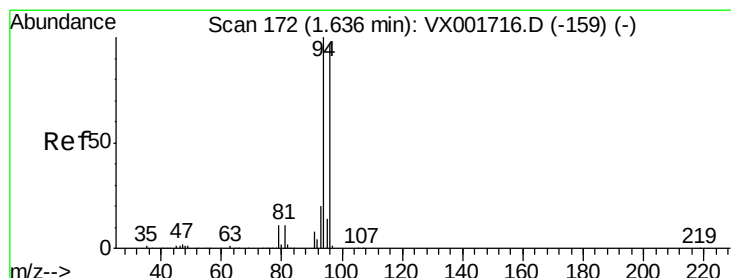
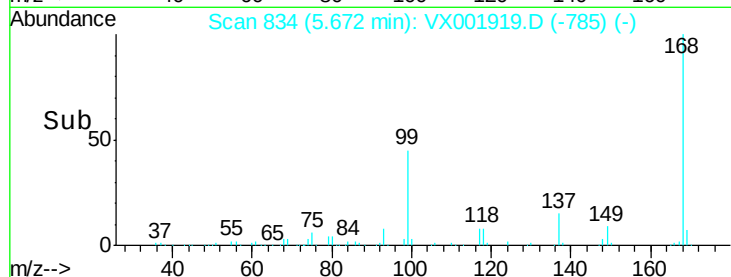
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001919.D

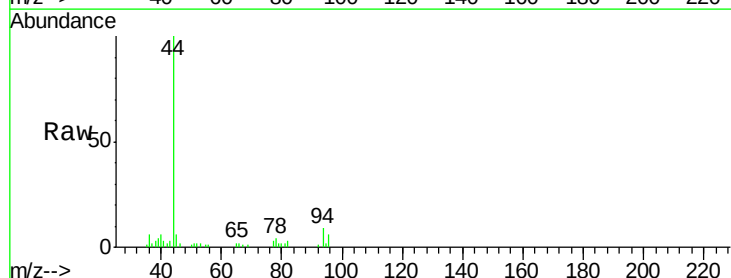
Acq: 23 May 2018 03:12

Tgt Ion: 94 Resp: 867

Ion Ratio Lower Upper

94 100

96 61.7 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

400

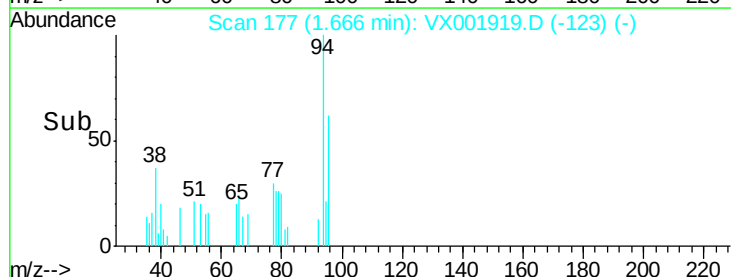
300

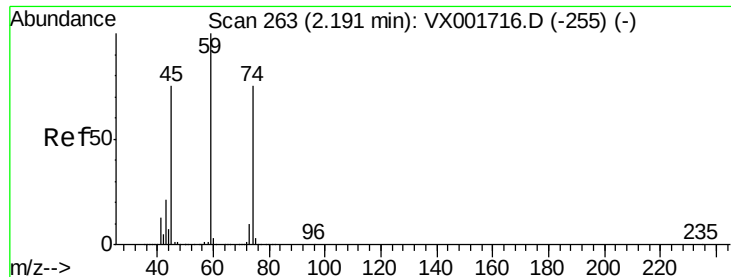
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.22 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

Instrument :

MSVOA_X

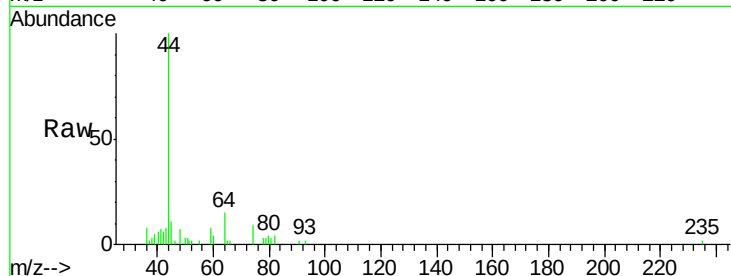
ClientSampleId :

Tot Ion: 74 Resp: 394

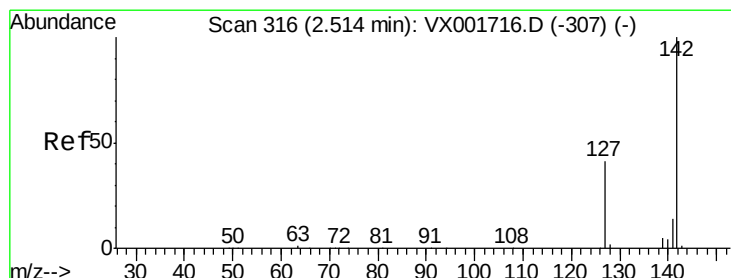
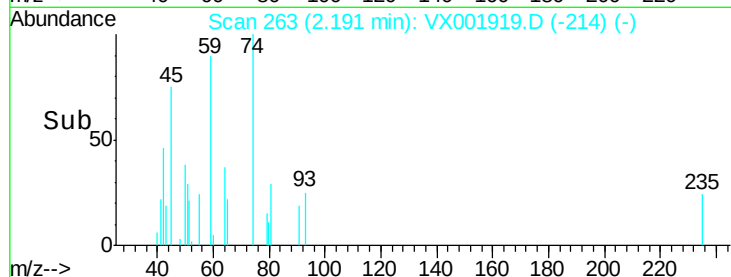
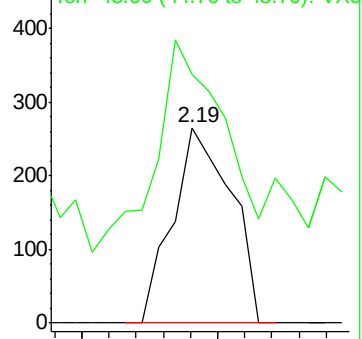
Ion Ratio Lower Upper

74 100

45 125.4 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VX001919.D (-214) (-)



#10

Methyl Iodide

Concen: 0.48 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

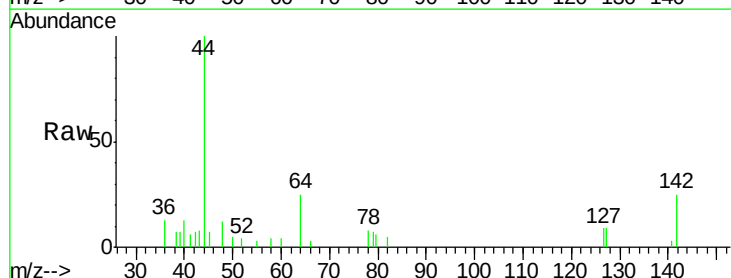
Tgt Ion: 142 Resp: 1172

Ion Ratio Lower Upper

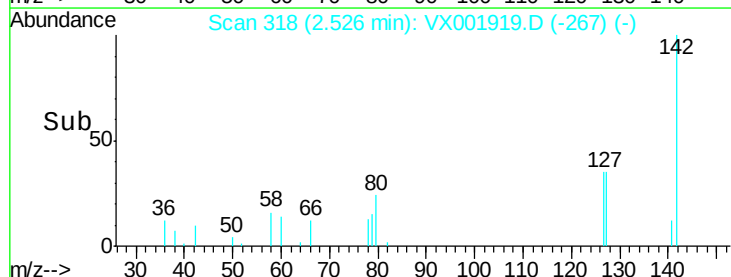
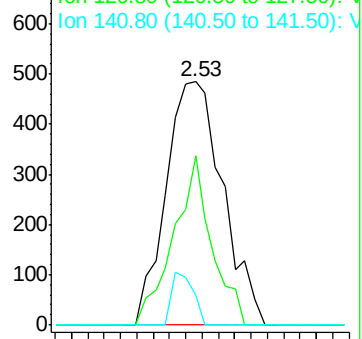
142 100

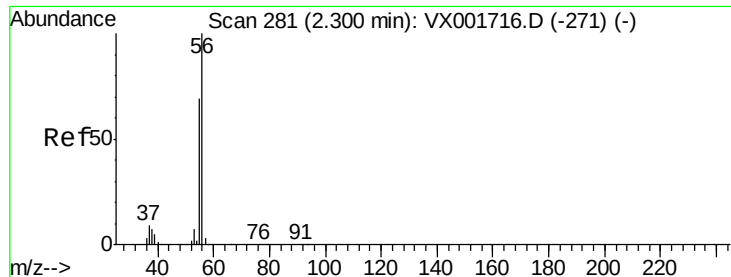
127 46.7 32.5 48.7

141 8.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VX001919.D (-267) (-)





#13

Acrolein

Concen: 0.24 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

Instrument :

MSVOA_X

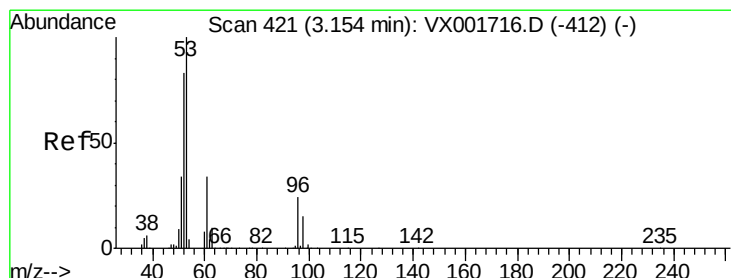
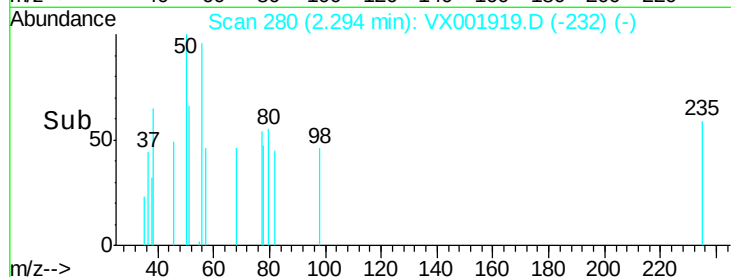
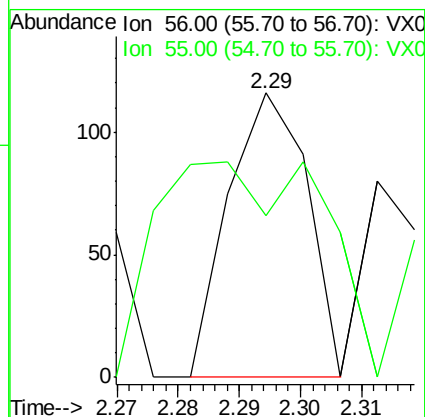
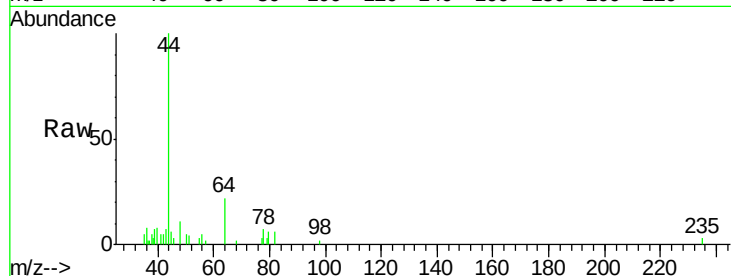
ClientSampleId :

Tot Ion: 56 Resp: 103

Ion Ratio Lower Upper

56 100

55 162.1 56.2 84.2#



#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

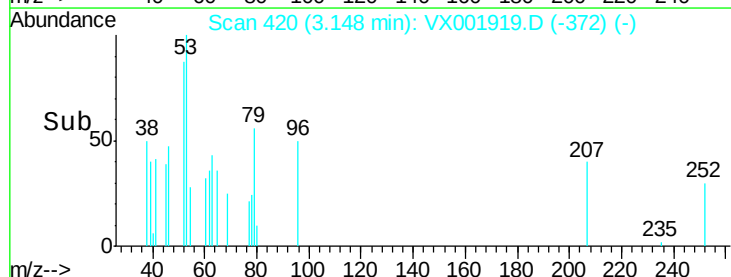
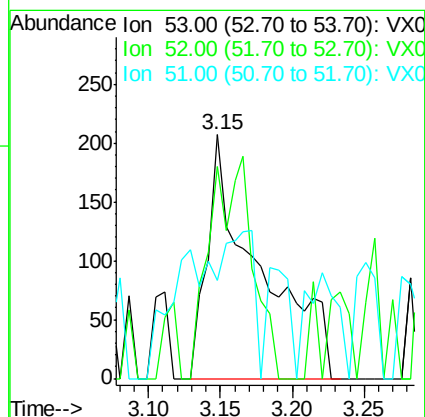
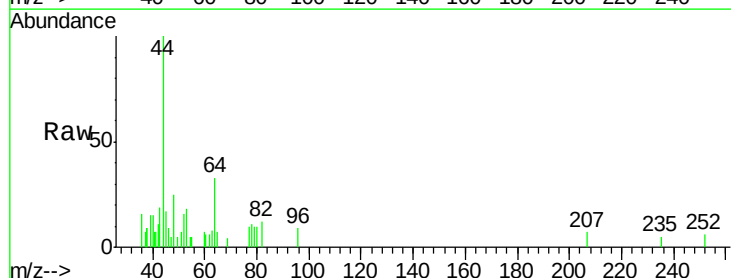
Tgt Ion: 53 Resp: 514

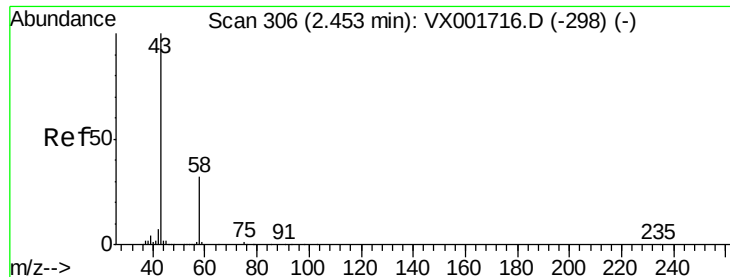
Ion Ratio Lower Upper

53 100

52 0.0 65.6 98.4#

51 0.0 28.1 42.1#





#16

Acetone

Concen: 5.80 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

Instrument :

MSVOA_X

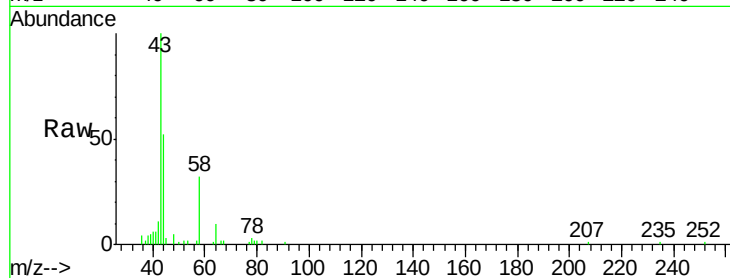
ClientSampleId :

Tot Ion: 43 Resp: 7873

Ion Ratio Lower Upper

43 100

58 31.4 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

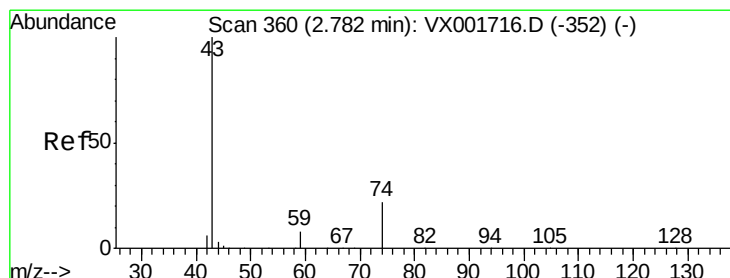
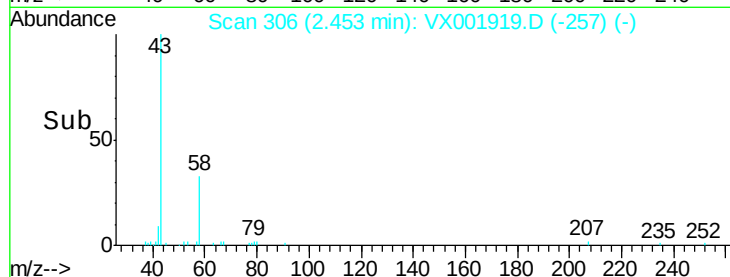
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 5.87 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001919.D

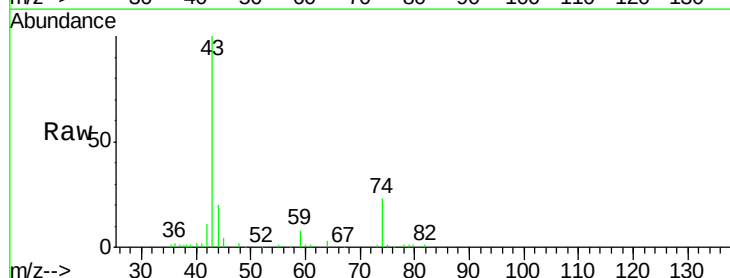
Acq: 23 May 2018 03:12

Tgt Ion: 43 Resp: 23284

Ion Ratio Lower Upper

43 100

74 23.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

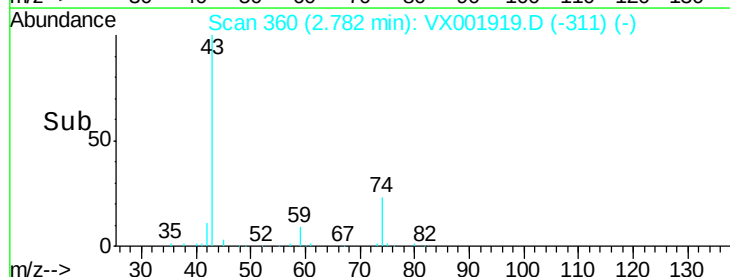
15000

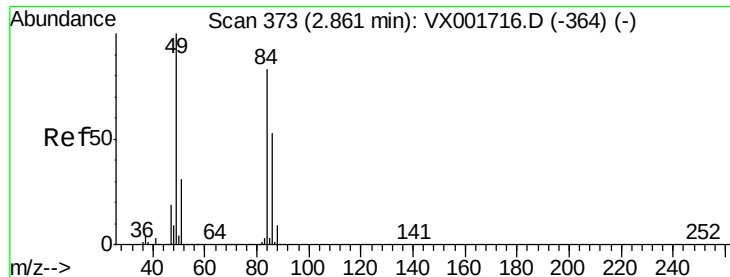
10000

5000

0

Time--> 2.70 2.75 2.80 2.85

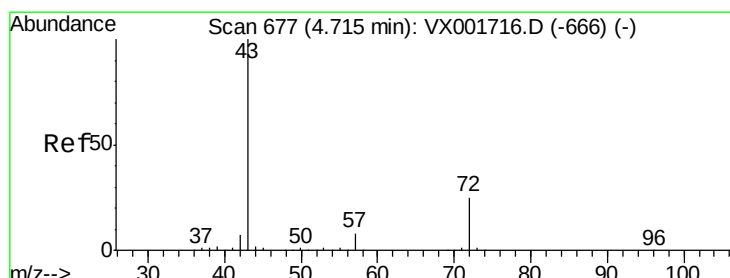
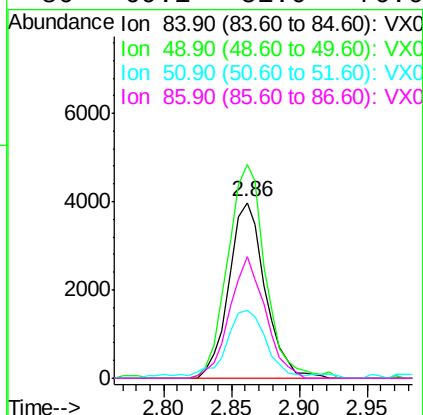
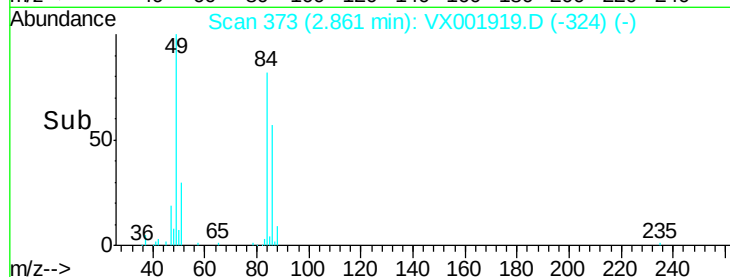
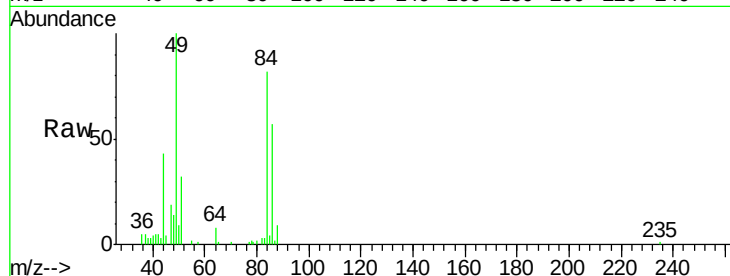




#20
Methylene Chloride
Concen: 2.54 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001919.D
Acq: 23 May 2018 03:12

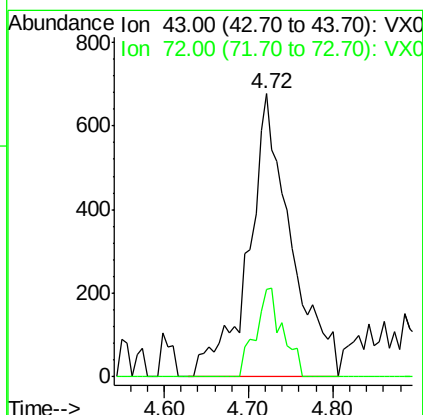
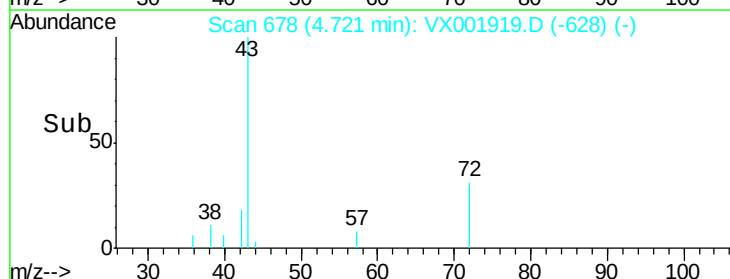
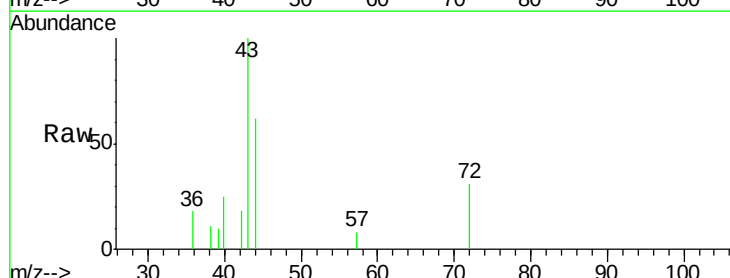
Instrument :
MSVOA_X
ClientSampleId :

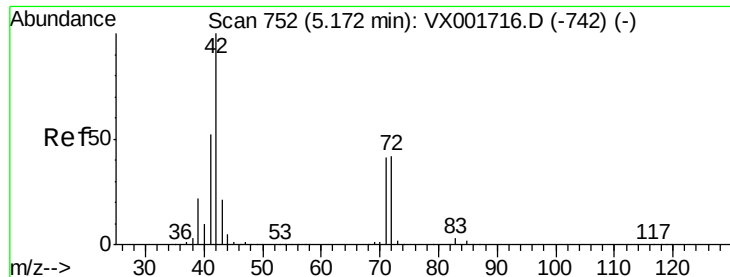
Tot Ion: 84 Resp: 7387
Ion Ratio Lower Upper
84 100
49 121.4 96.3 144.5
51 37.0 29.8 44.6
86 69.1 51.0 76.6



#25
2-Butanone
Concen: 1.13 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX001919.D
Acq: 23 May 2018 03:12

Tgt Ion: 43 Resp: 2348
Ion Ratio Lower Upper
43 100
72 30.9 19.8 29.6#

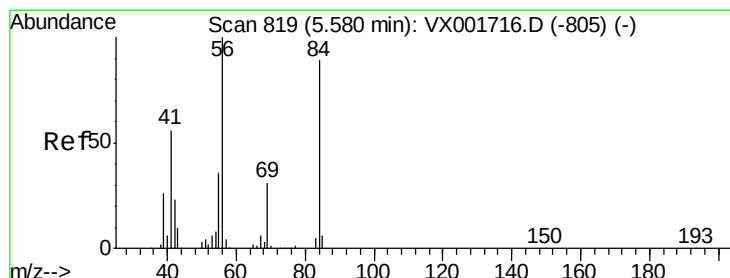
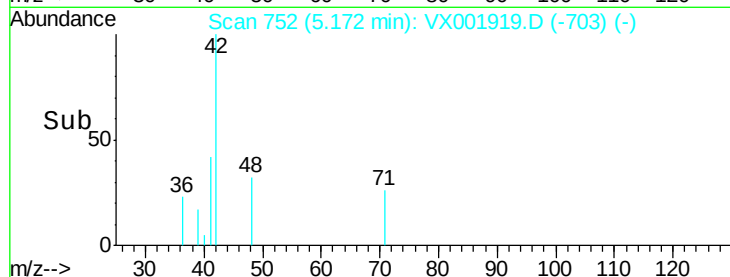
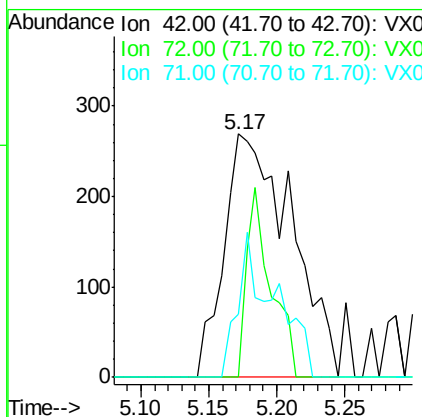
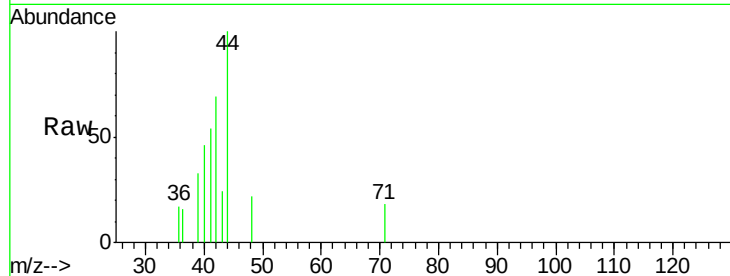




#29
Tetrahydrofuran
Concen: 0.69 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001919.D
Acq: 23 May 2018 03:12

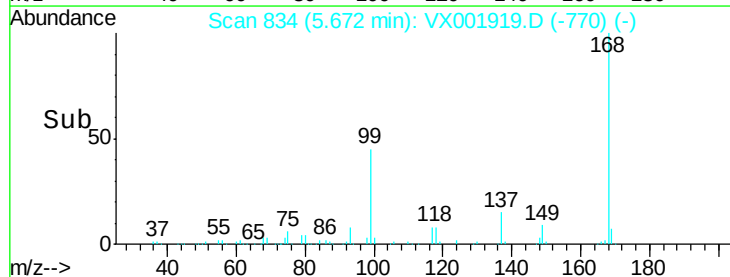
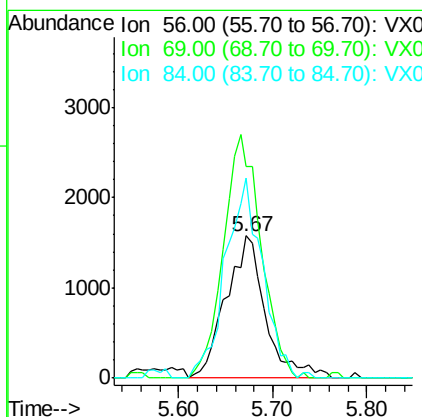
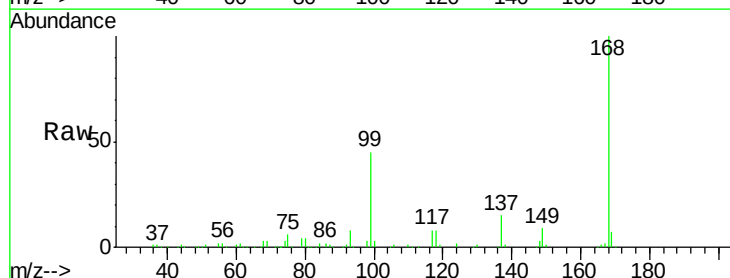
Instrument :
MSVOA_X
ClientSampleId :

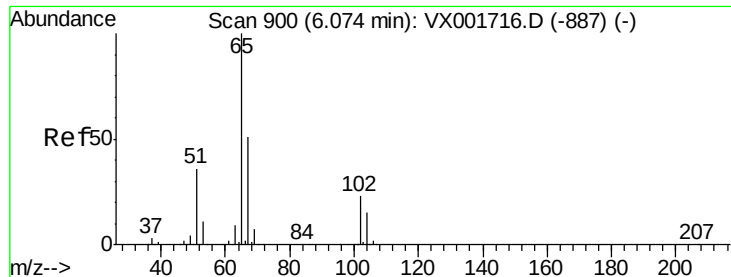
Tot Ion: 42 Resp: 930
Ion Ratio Lower Upper
42 100
72 28.2 35.4 53.2#
71 18.3 33.2 49.8#



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001919.D
Acq: 23 May 2018 03:12

Tgt Ion: 56 Resp: 4578
Ion Ratio Lower Upper
56 100
69 149.0 25.0 37.6#
84 140.8 71.0 106.4#

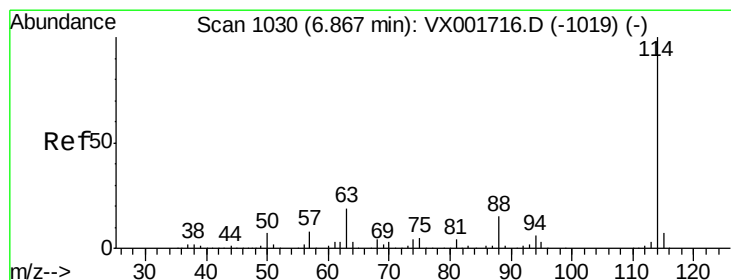
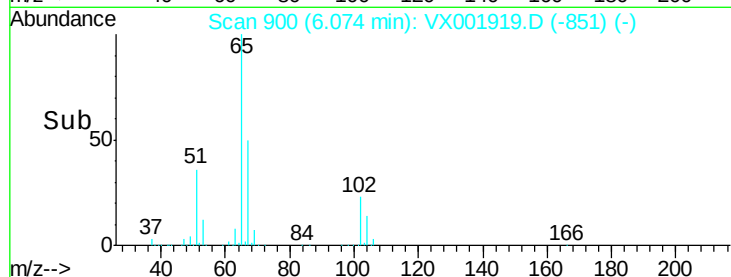
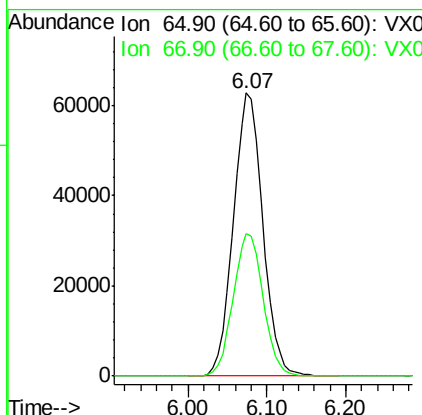
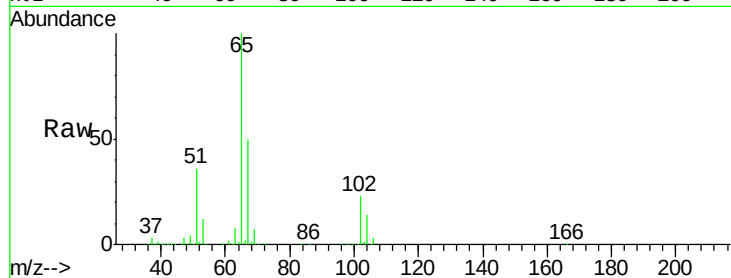




#33
 1,2-Dichloroethane-d4
 Concen: 47.16 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001919.D
 Acq: 23 May 2018 03:12

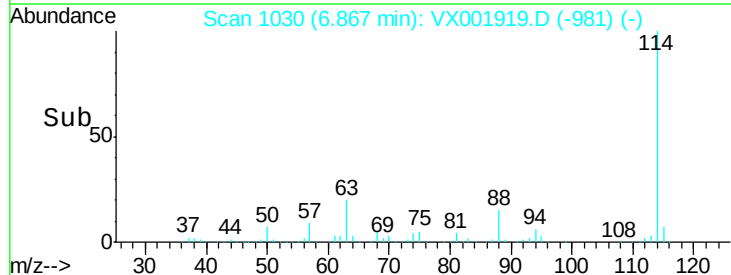
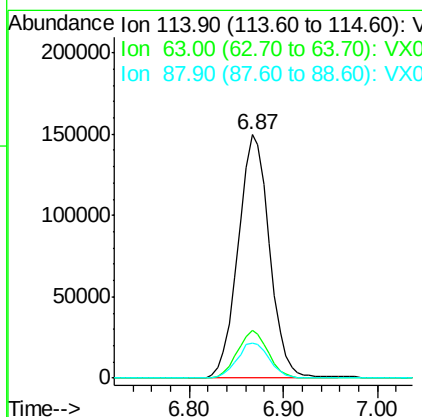
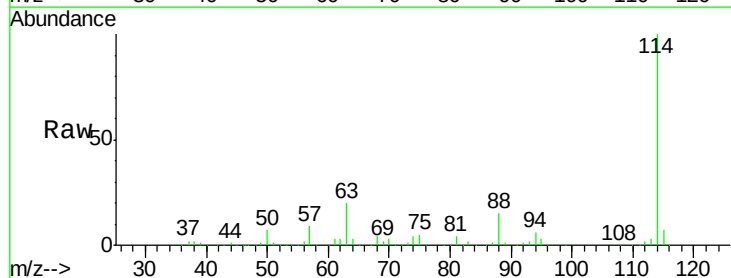
Instrument :
 MSVOA_X
 ClientSampleId :

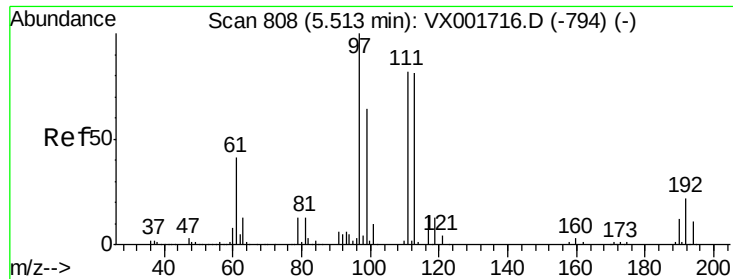
Tot Ion: 65 Resp: 162990
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001919.D
 Acq: 23 May 2018 03:12

Tgt Ion: 114 Resp: 348058
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.0
 88 14.6 0.0 29.8

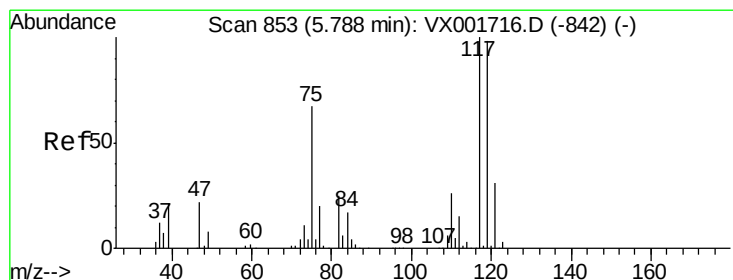
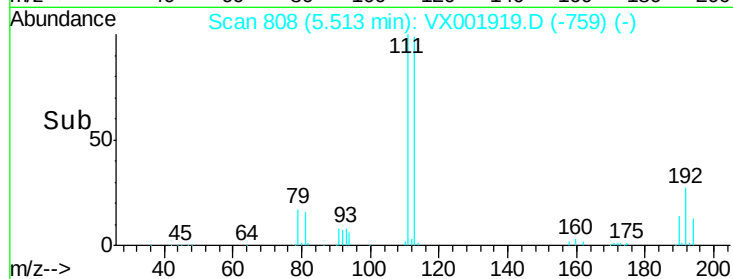
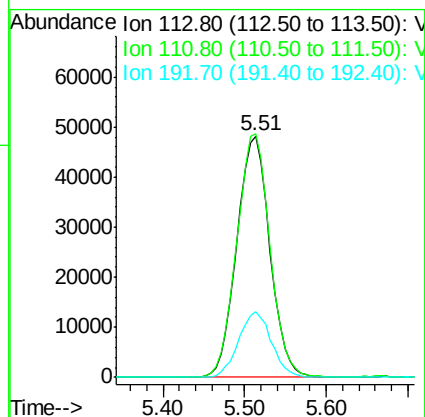
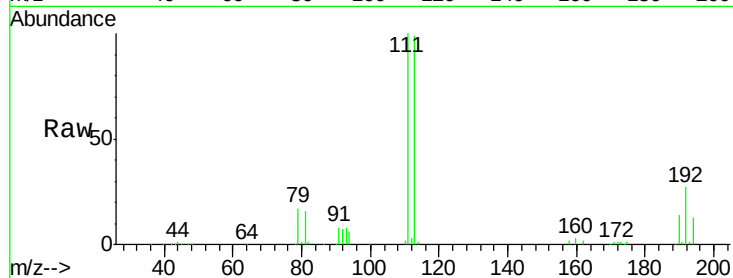




#35
Dibromofluoromethane
Concen: 46.03 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001919.D
Acq: 23 May 2018 03:12

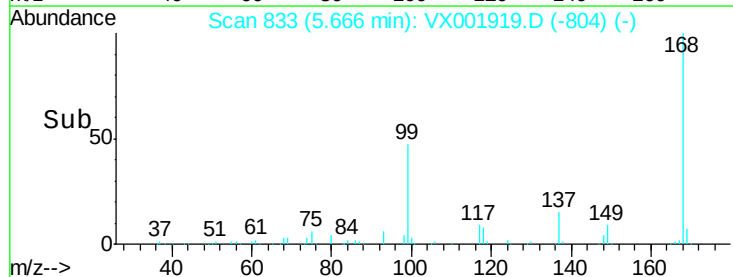
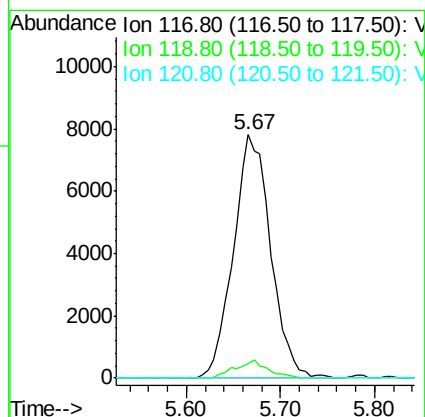
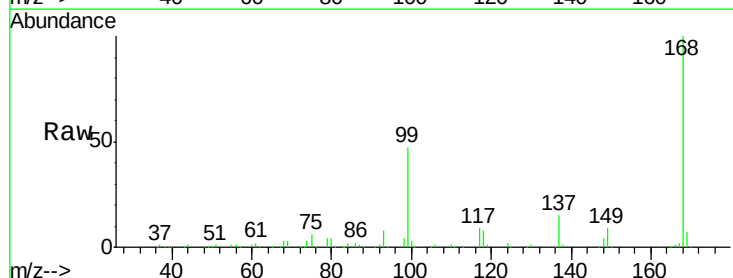
Instrument :
MSVOA_X
ClientSampleId :

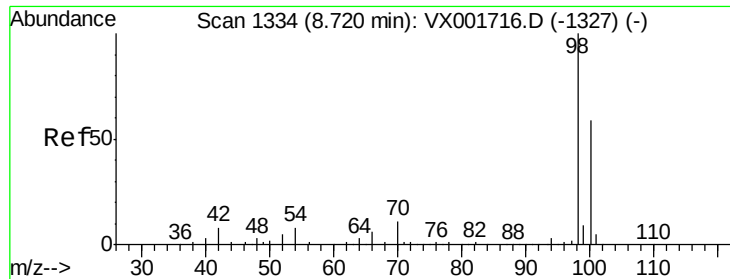
Tot Ion:113 Resp: 135202
Ion Ratio Lower Upper
113 100
111 101.5 82.0 123.0
192 27.1 21.6 32.4



#38
Carbon Tetrachloride
Concen: 5.12 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001919.D
Acq: 23 May 2018 03:12

Tgt Ion:117 Resp: 21486
Ion Ratio Lower Upper
117 100
119 6.0 77.6 116.4#
121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 46.64 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

Instrument :

MSVOA_X

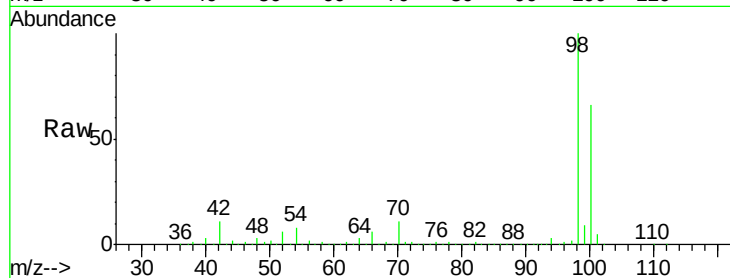
ClientSampleId :

Tot Ion: 98 Resp: 490642

Ion Ratio Lower Upper

98 100

100 65.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

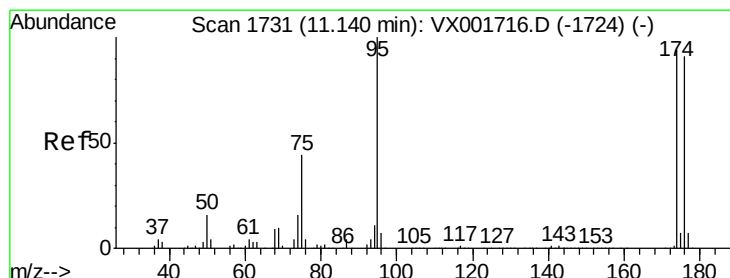
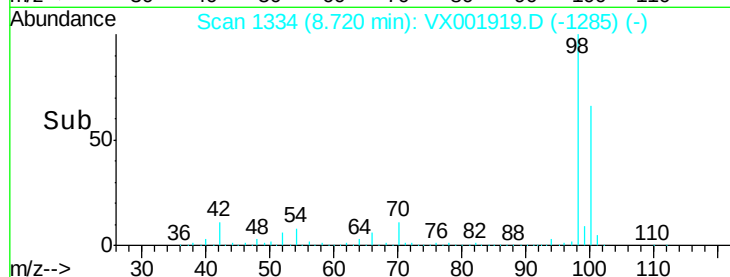
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 40.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

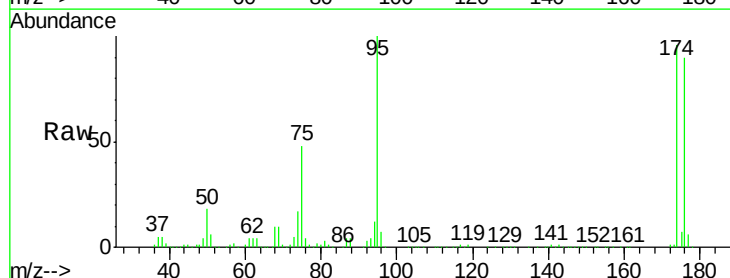
Tgt Ion: 95 Resp: 153057

Ion Ratio Lower Upper

95 100

174 103.5 0.0 201.8

176 99.4 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

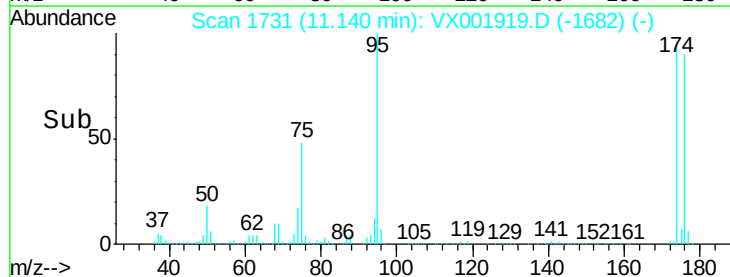
150000

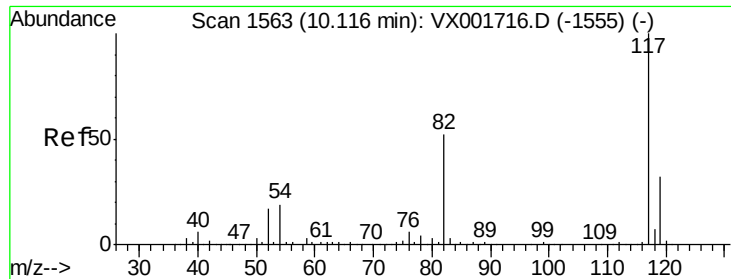
100000

50000

0

Time--> 11.10 11.20 11.30

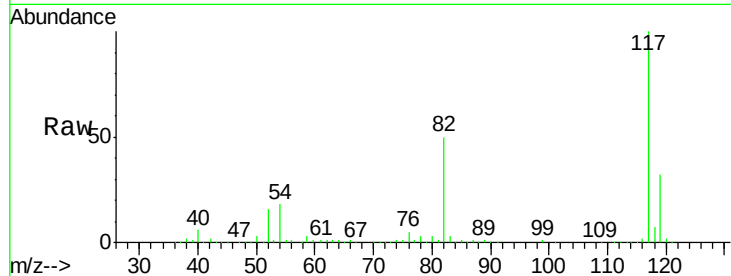




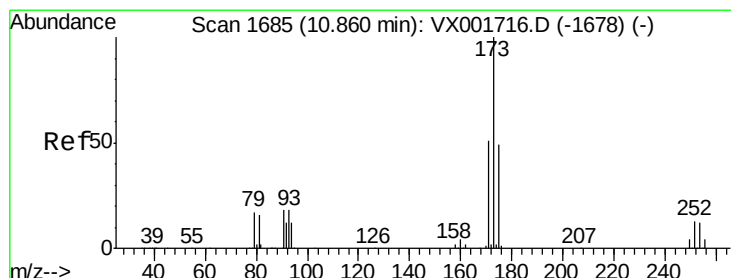
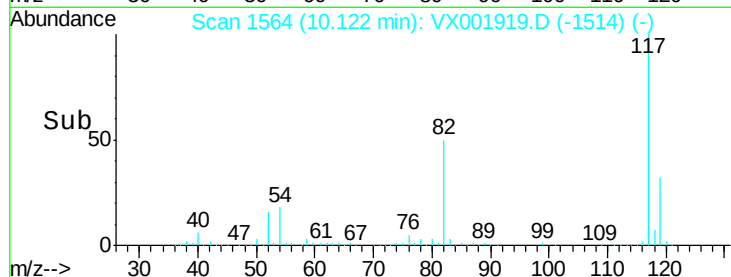
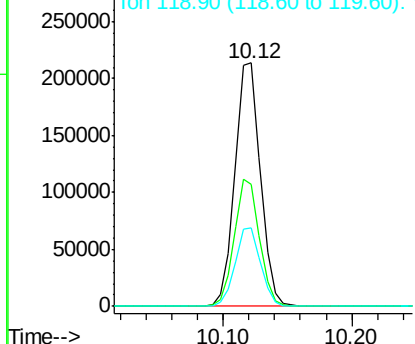
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001919.D
Acq: 23 May 2018 03:12

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 296135
Ion Ratio Lower Upper
117 100
82 49.9 41.4 62.2
119 32.4 25.6 38.4

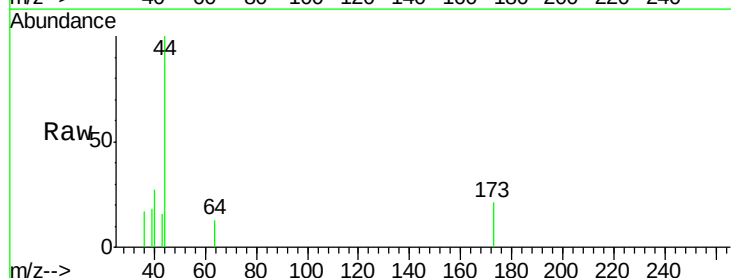


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

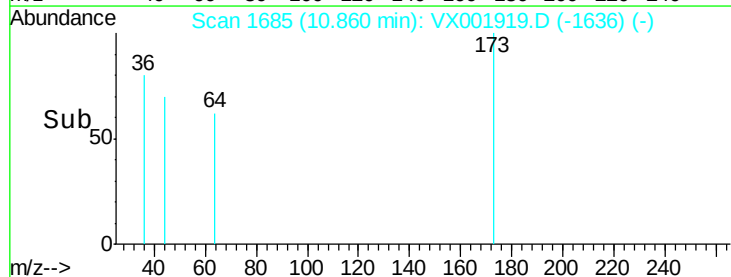
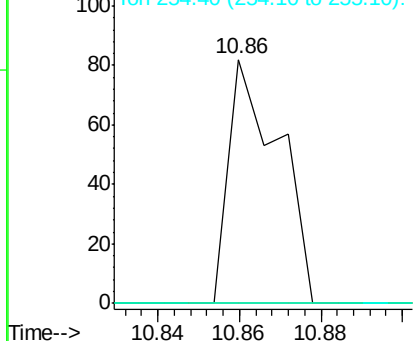


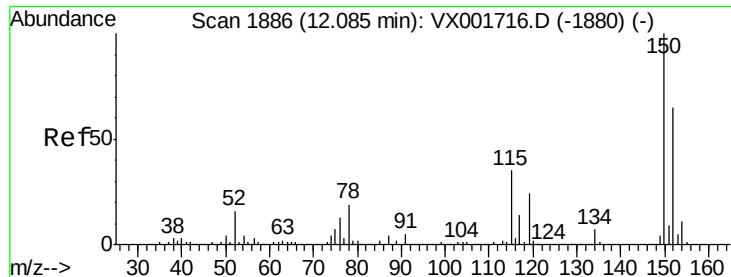
#71
Bromoform
Concen: 2.95 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX001919.D
Acq: 23 May 2018 03:12

Tgt Ion:173 Resp: 70
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

Instrument :

MSVOA_X

ClientSampleId :

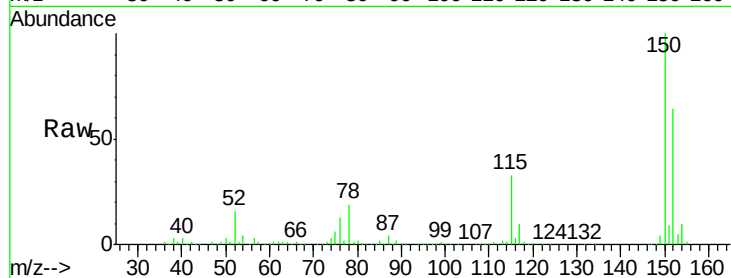
Tot Ion:152 Resp: 174526

Ion Ratio Lower Upper

152 100

115 51.8 37.4 112.2

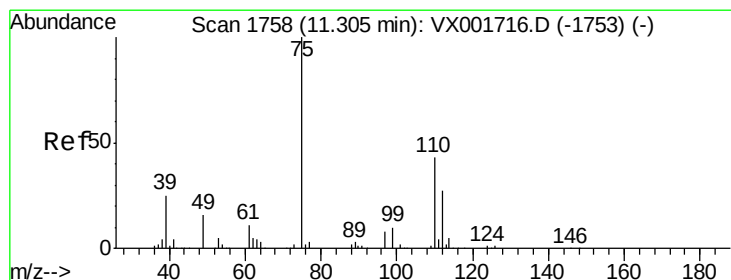
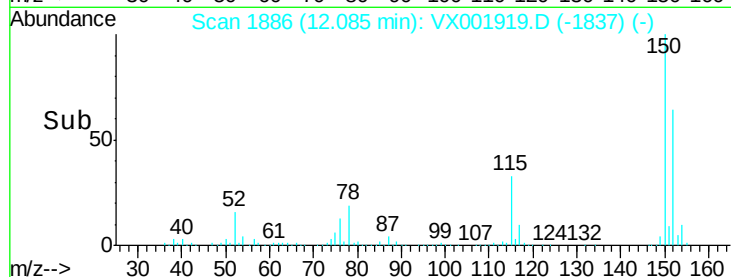
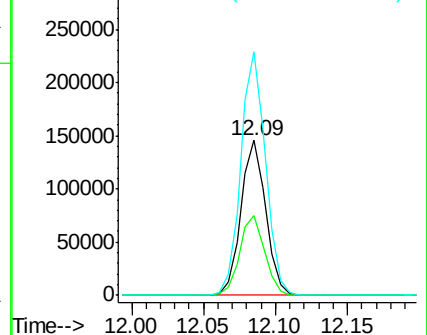
150 156.5 0.0 344.8



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: 21.84 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001919.D

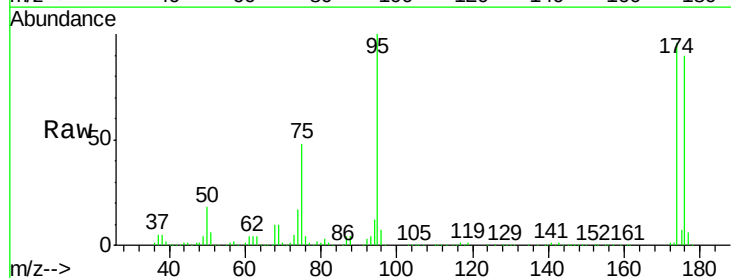
Acq: 23 May 2018 03:12

Tgt Ion: 75 Resp: 72476

Ion Ratio Lower Upper

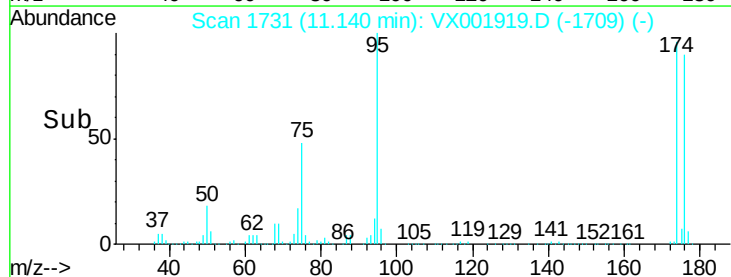
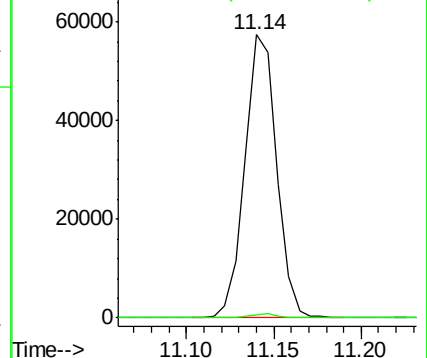
75 100

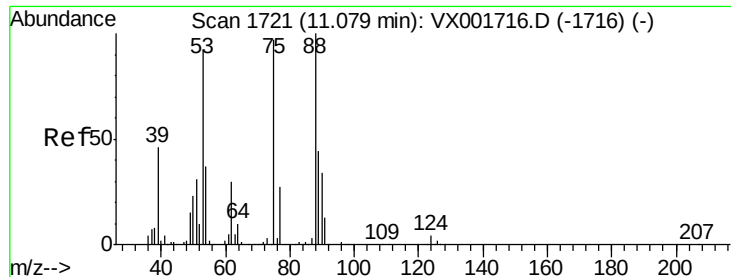
77 1.3 18.9 56.7#



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: 64.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

Instrument :

MSVOA_X

ClientSampleId :

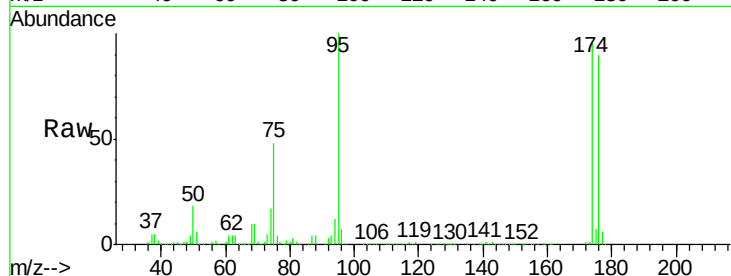
Tot Ion: 75 Resp: 72476

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

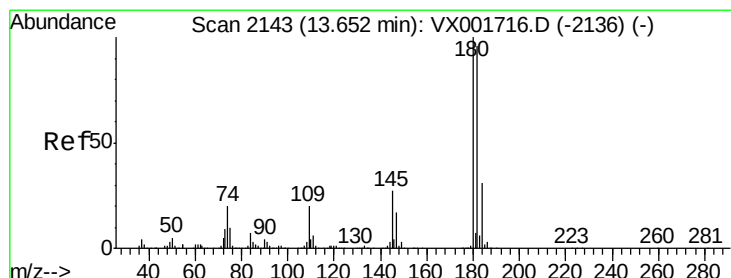
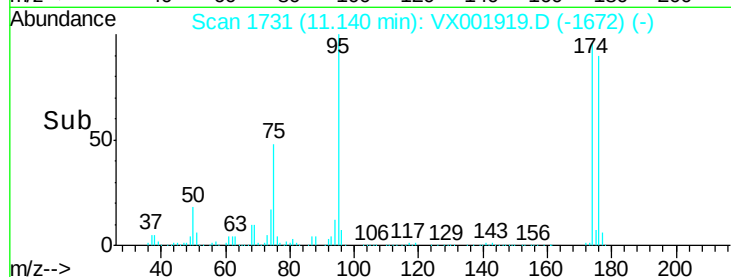
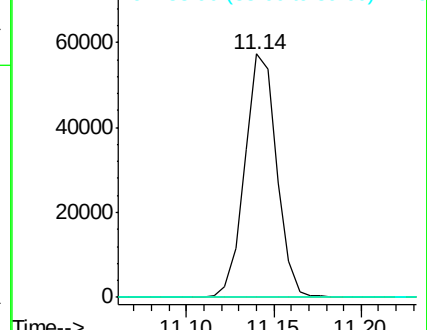
89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#93

1,2,4-Trichlorobenzene

Concen: 0.30 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX001919.D

Acq: 23 May 2018 03:12

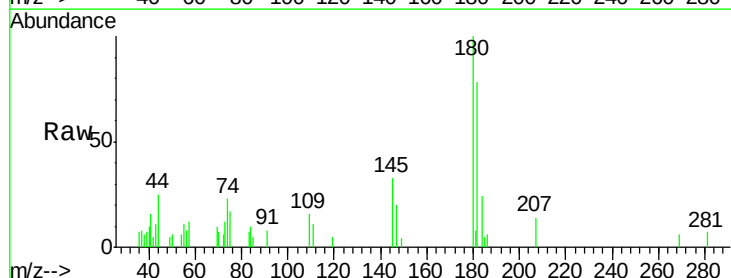
Tgt Ion:180 Resp: 1469

Ion Ratio Lower Upper

180 100

182 83.7 47.6 142.9

145 26.1 13.4 40.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

