

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001910.D
 Acq On : 22 May 2018 22:45
 Operator : JC/MD
 Sample : PB109525ZHE#17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:24:38 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	240783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157113	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	158194	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
35) Dibromofluoromethane	5.51	113	130602	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	8.72	98	465728	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
62) 4-Bromofluorobenzene	11.14	95	143791	40.12	ug/l	0.00
Spiked Amount			Recovery	=	80.24%	

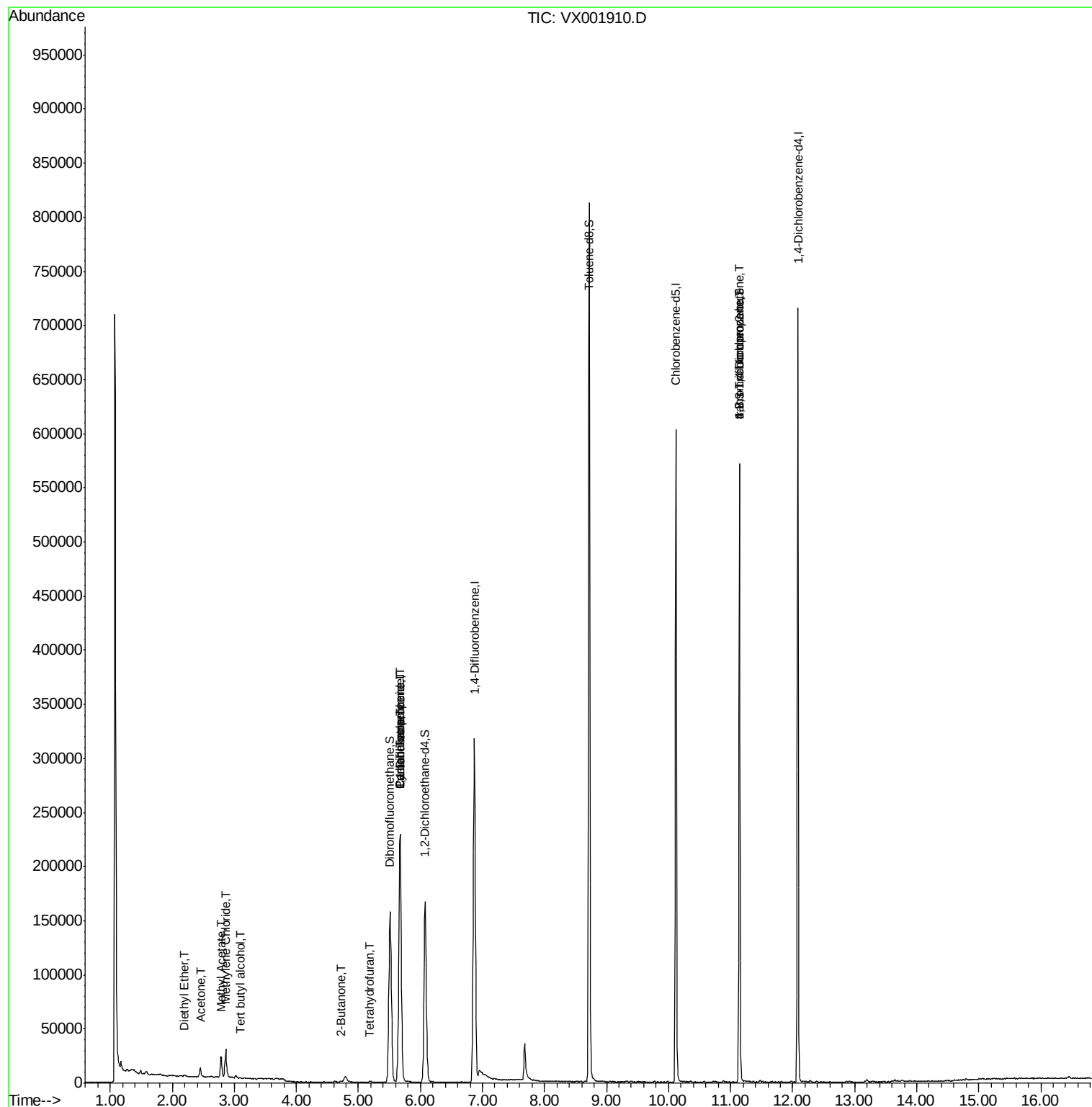
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	612	Below Cal		91
8) Diethyl Ether	2.19	74	453	0.27 ug/l		84
11) Tert butyl alcohol	3.10	59	247	0.43 ug/l #		72
16) Acetone	2.45	43	9344	7.37 ug/l		97
18) Methyl Acetate	2.78	43	23800	6.42 ug/l		100
20) Methylene Chloride	2.86	84	11848	4.37 ug/l		97
25) 2-Butanone	4.71	43	2288	1.18 ug/l #		90
29) Tetrahydrofuran	5.18	42	965	0.76 ug/l #		66
31) Cyclohexane	5.67	56	4162	1.03 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	14936	3.94 ug/l #		48
38) Carbon Tetrachloride	5.67	117	20368	5.13 ug/l #		17
76) 1,2,3-Trichloropropane	11.14	75	68797	23.03 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.14	75	68797	67.39 ug/l #		10

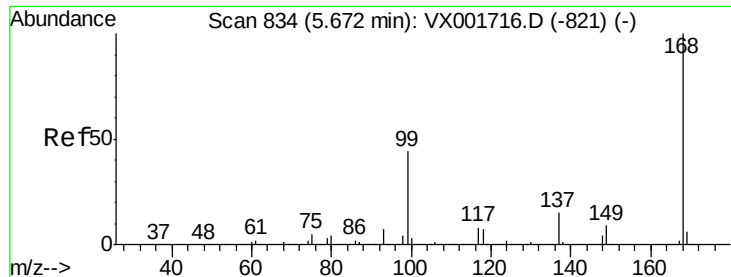
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ua/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001910.D

Acq: 22 May 2018 22:45

Instrument :

MSVOA_X

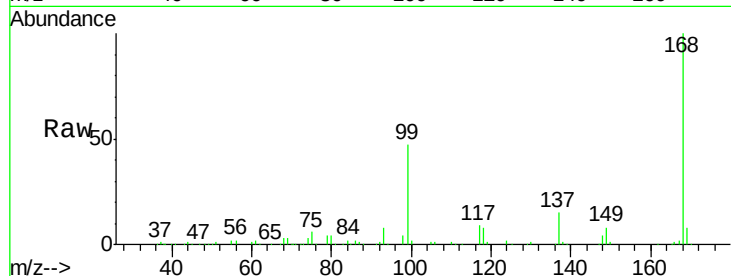
ClientSampleId :

Tot Ion:168 Resp: 240783

Ion Ratio Lower Upper

168 100

99 47.1 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

80000

60000

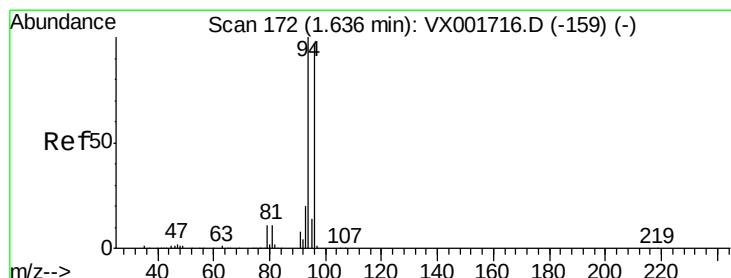
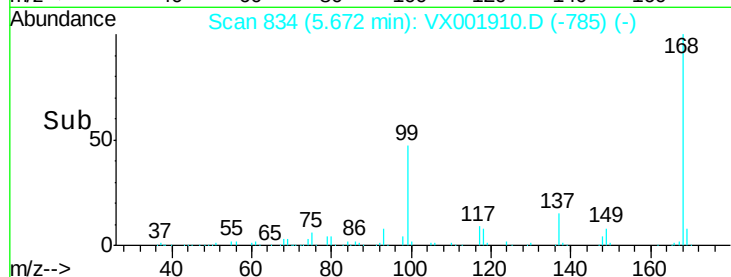
40000

20000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001910.D

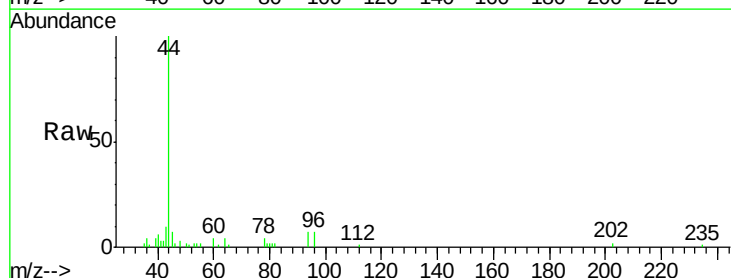
Acq: 22 May 2018 22:45

Tgt Ion: 94 Resp: 612

Ion Ratio Lower Upper

94 100

96 105.9 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

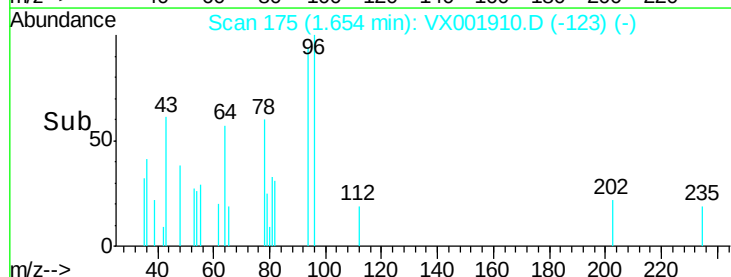
200

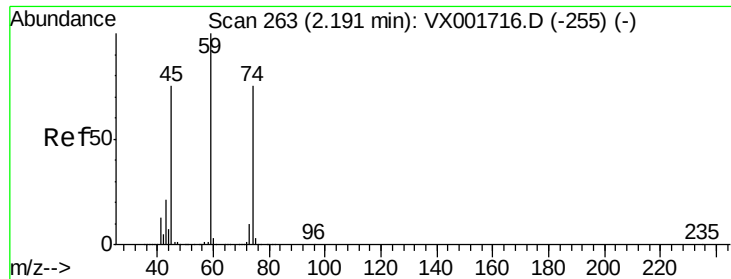
100

0

1.60 1.65 1.70

Time-->





#8

Diethyl Ether

Concen: 0.27 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001910.D

Acq: 22 May 2018 22:45

Instrument :

MSVOA_X

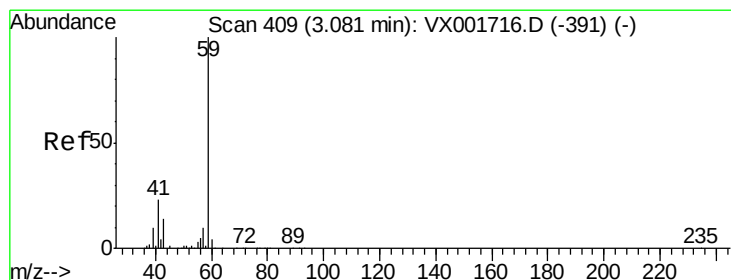
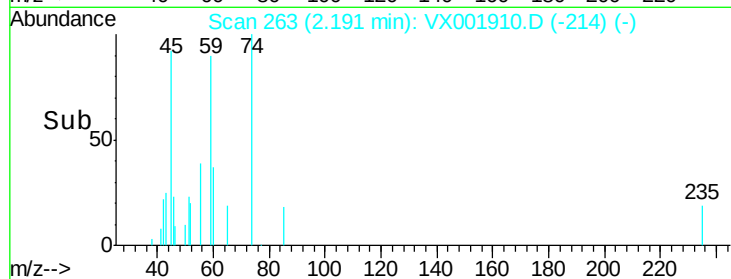
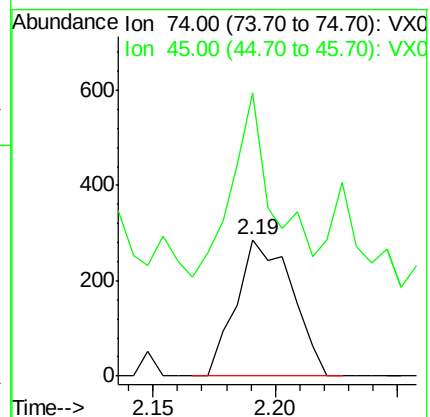
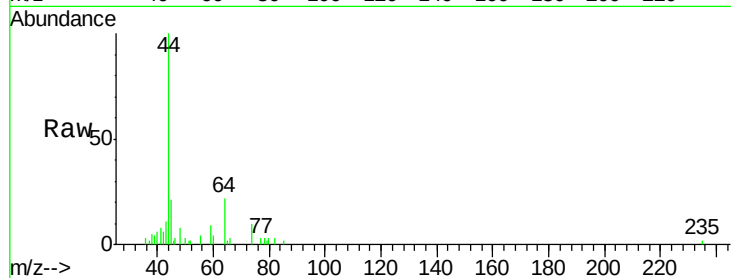
ClientSampled :

Tot Ion: 74 Resp: 453

Ion Ratio Lower Upper

74 100

45 115.5 50.0 149.8



#11

Tert butyl alcohol

Concen: 0.43 ug/l

RT: 3.10 min Scan# 412

Delta R.T. 0.02 min

Lab File: VX001910.D

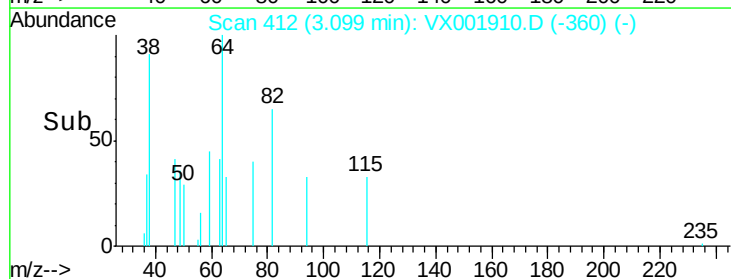
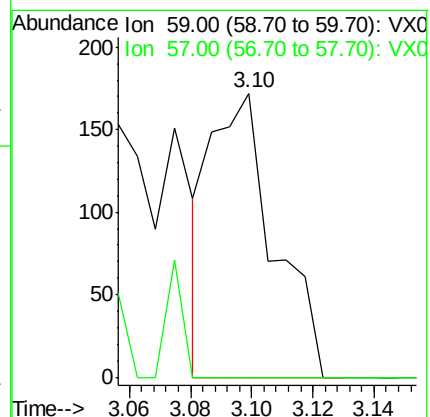
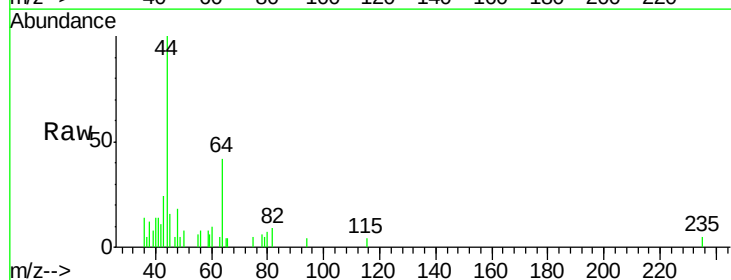
Acq: 22 May 2018 22:45

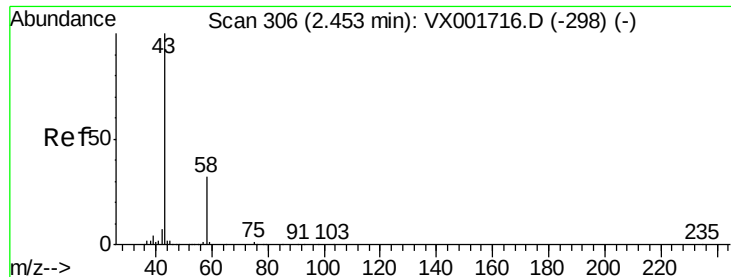
Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 7.37 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001910.D

Acq: 22 May 2018 22:45

Instrument :

MSVOA_X

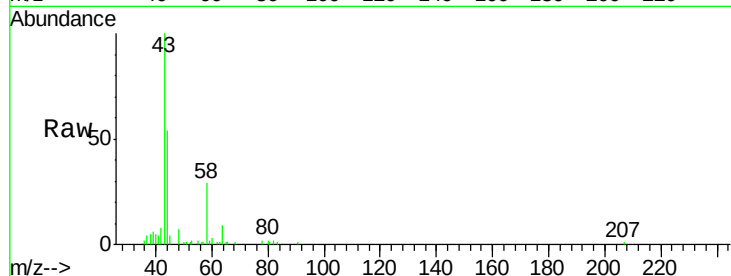
ClientSampleId :

Tot Ion: 43 Resp: 9344

Ion Ratio Lower Upper

43 100

58 30.1 25.3 37.9

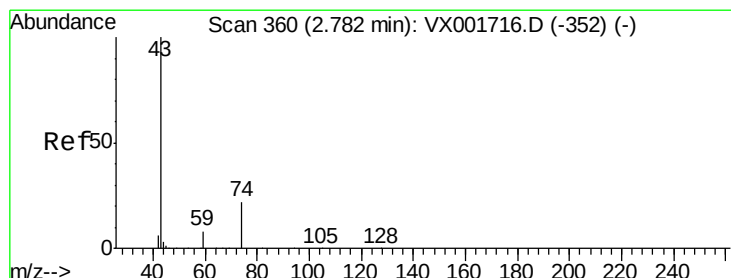
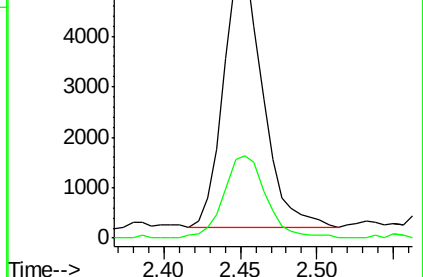
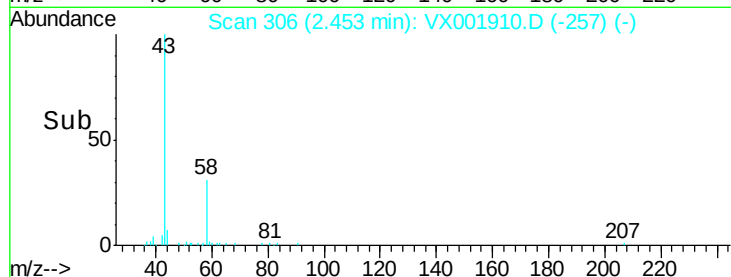


Abundance Ion 43.00 (42.70 to 43.70): VX001716.D (-298) (-)

Ion 58.00 (57.70 to 58.70): VX001716.D (-298) (-)

2.45

Time-->



#18

Methyl Acetate

Concen: 6.42 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001910.D

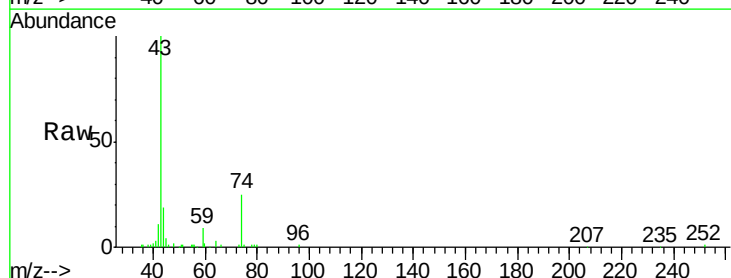
Acq: 22 May 2018 22:45

Tgt Ion: 43 Resp: 23800

Ion Ratio Lower Upper

43 100

74 22.9 18.2 27.2

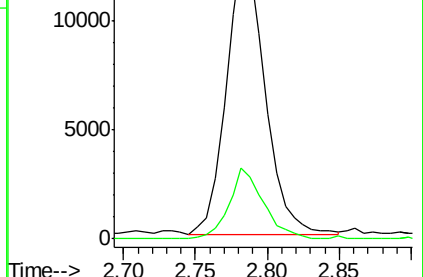
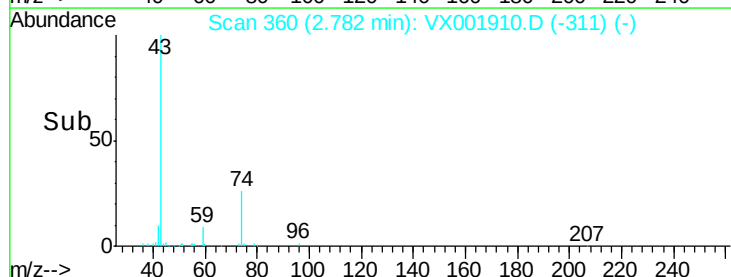


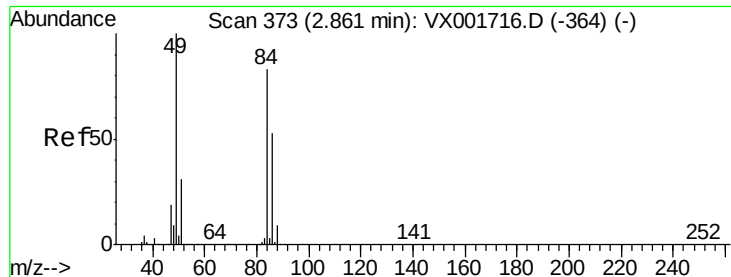
Abundance Ion 43.00 (42.70 to 43.70): VX001716.D (-352) (-)

Ion 74.00 (73.70 to 74.70): VX001716.D (-352) (-)

2.78

Time-->

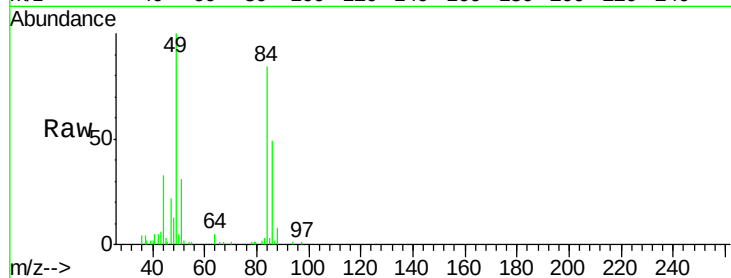




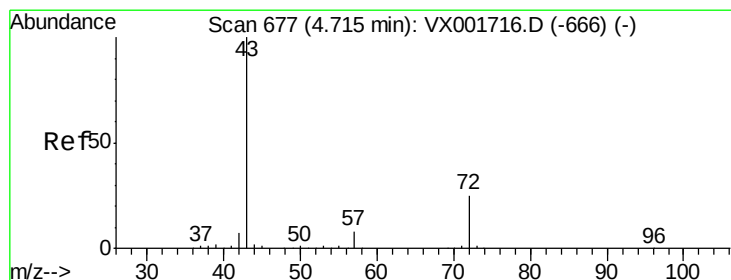
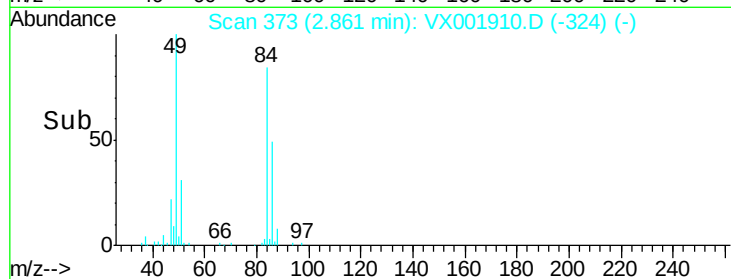
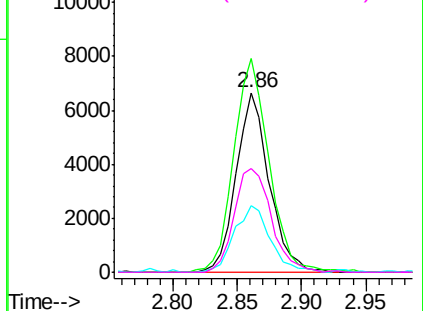
#20
Methylene Chloride
Concen: 4.37 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001910.D
Acq: 22 May 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	11848
Ion	Ratio	Lower	Upper
84	100		
49	119.1	96.3	144.5
51	36.9	29.8	44.6
86	58.0	51.0	76.6

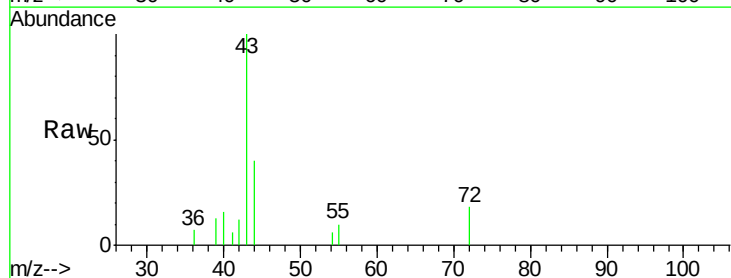


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

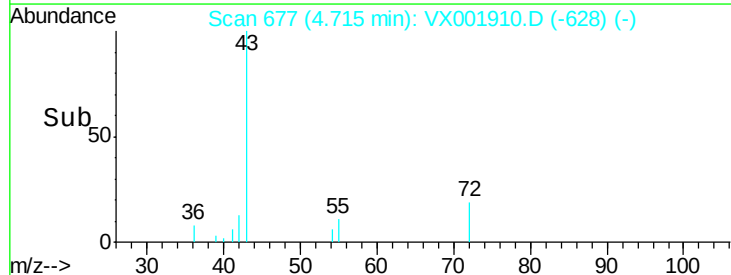
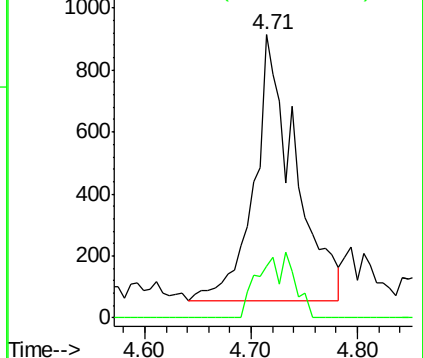


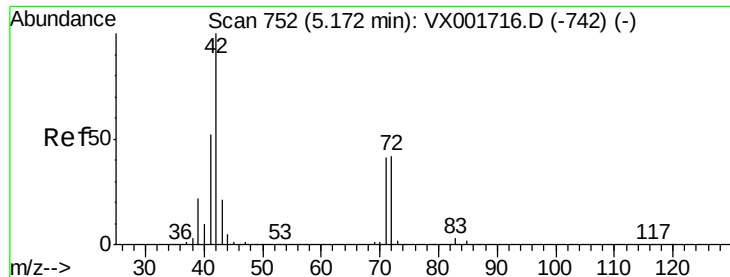
#25
2-Butanone
Concen: 1.18 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.00 min
Lab File: VX001910.D
Acq: 22 May 2018 22:45

Tgt Ion:	43	Resp:	2288
Ion	Ratio	Lower	Upper
43	100		
72	19.5	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: 0.76 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001910.D

Acq: 22 May 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

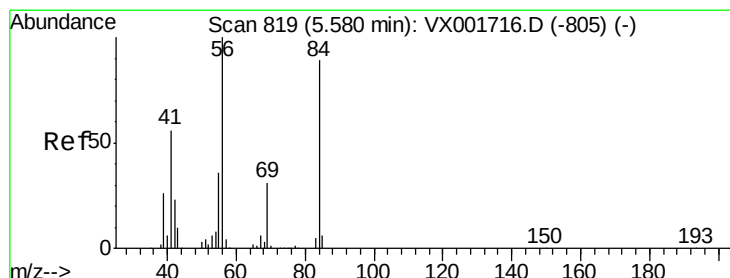
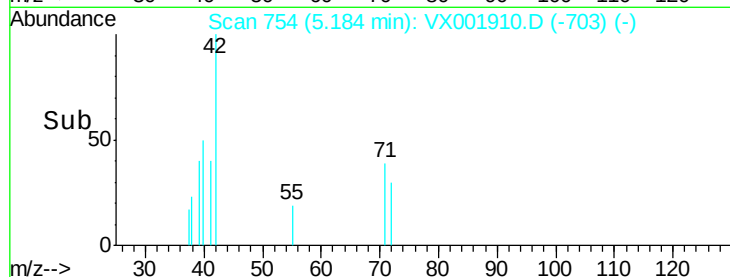
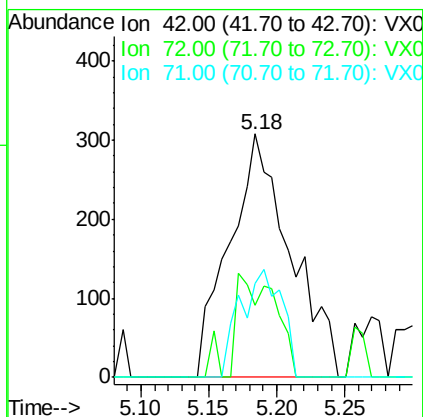
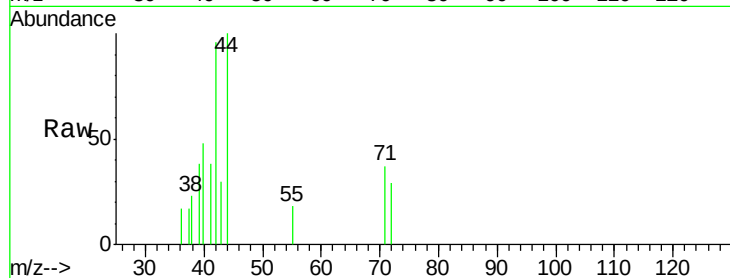
Tot Ion: 42 Resp: 965

Ion Ratio Lower Upper

42 100

72 13.0 35.4 53.2#

71 30.1 33.2 49.8#



#31

Cyclohexane

Concen: 1.03 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001910.D

Acq: 22 May 2018 22:45

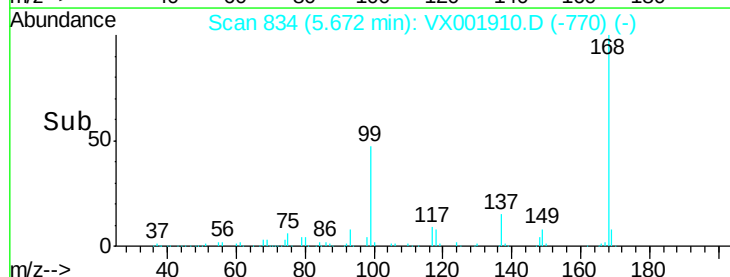
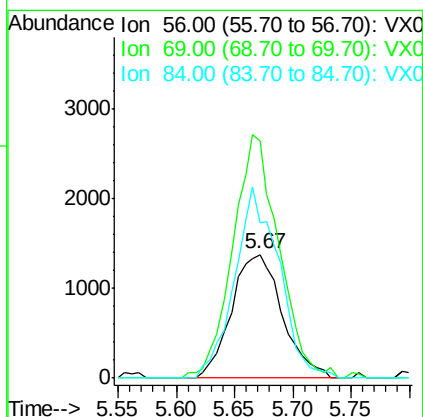
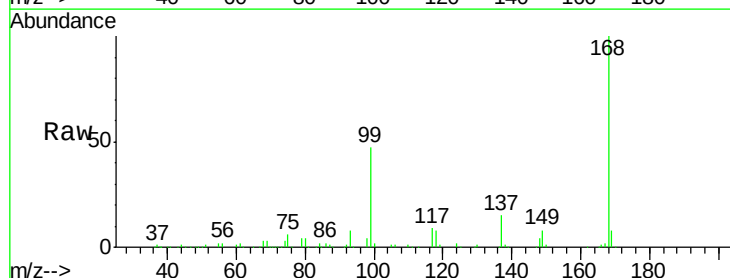
Tgt Ion: 56 Resp: 4162

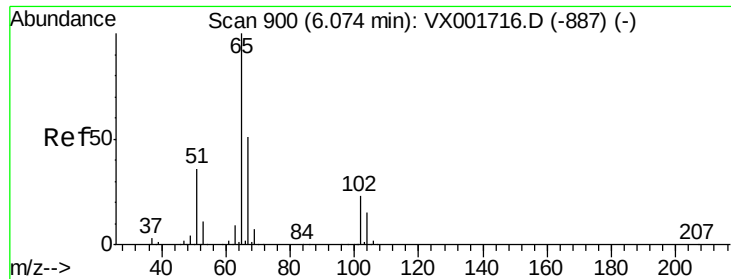
Ion Ratio Lower Upper

56 100

69 191.3 25.0 37.6#

84 131.0 71.0 106.4#

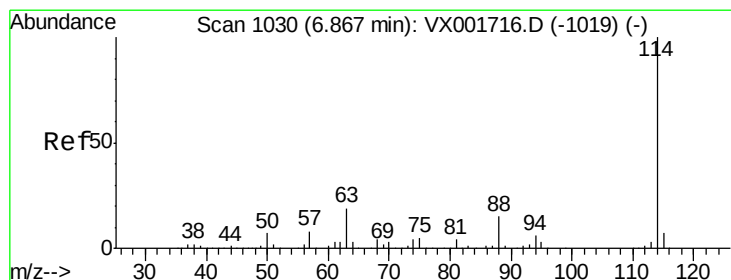
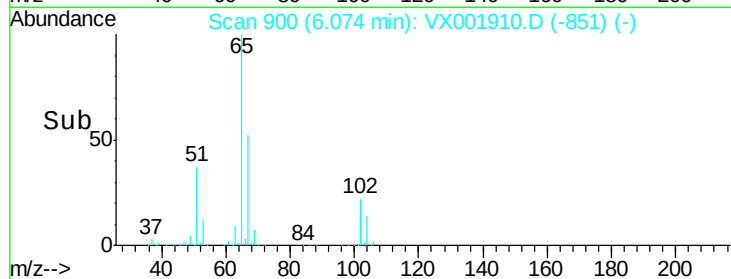
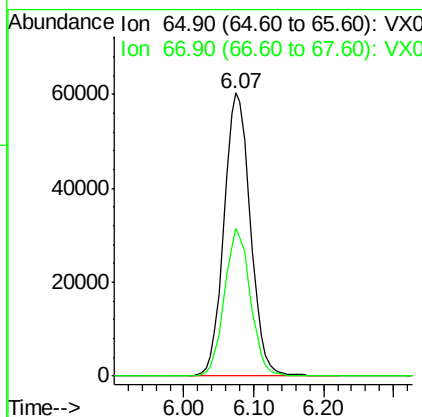
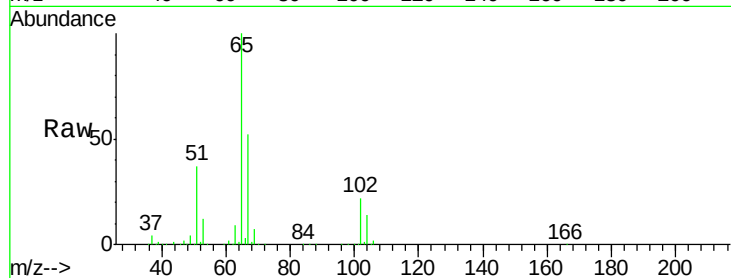




#33
 1,2-Dichloroethane-d4
 Concen: 49.02 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001910.D
 Acq: 22 May 2018 22:45

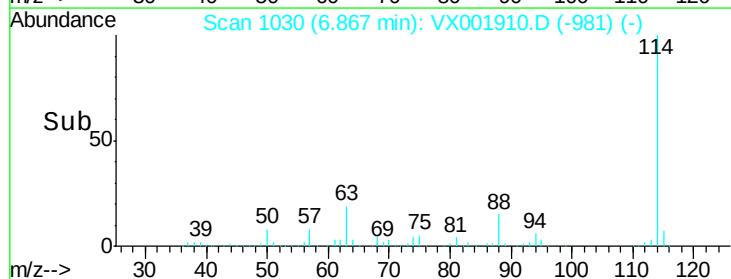
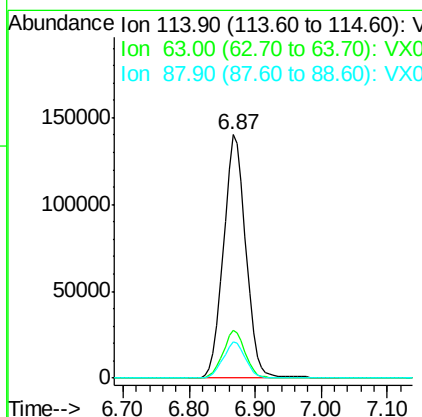
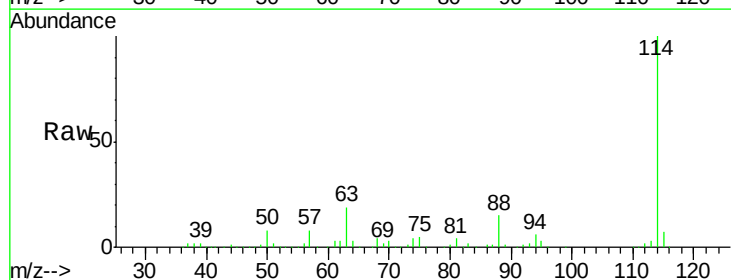
Instrument :
 MSVOA_X
 ClientSampleId :

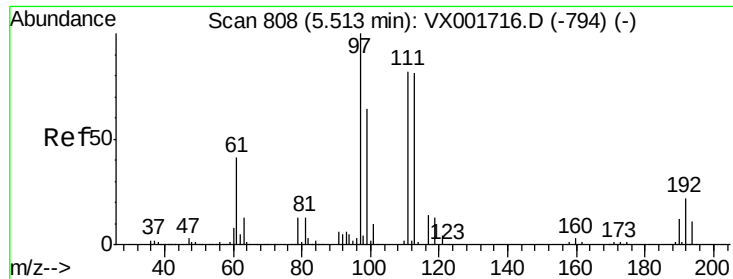
Tot Ion: 65 Resp: 158194
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001910.D
 Acq: 22 May 2018 22:45

Tgt Ion: 114 Resp: 329350
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.0
 88 14.6 0.0 29.8

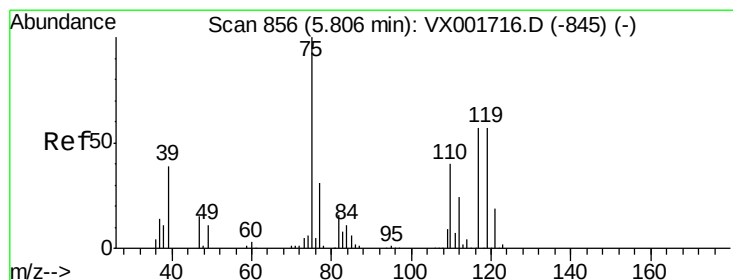
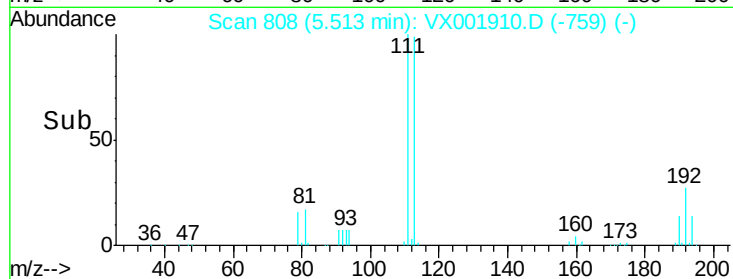
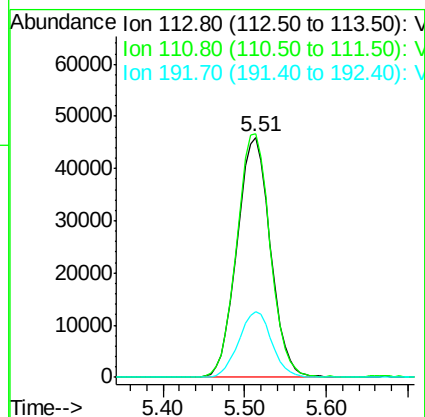
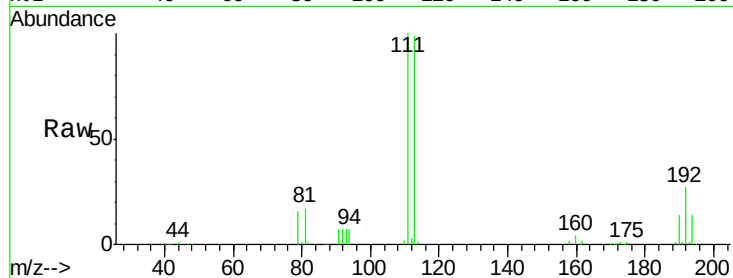




#35
 Dibromofluoromethane
 Concen: 46.99 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001910.D
 Acq: 22 May 2018 22:45

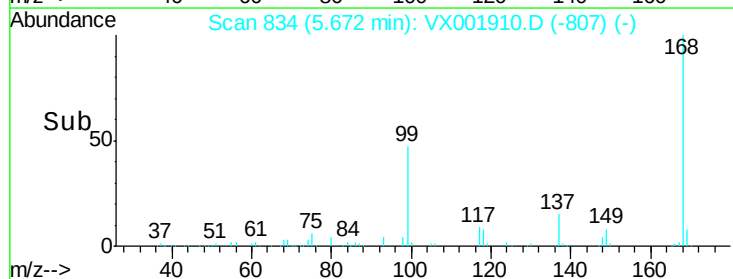
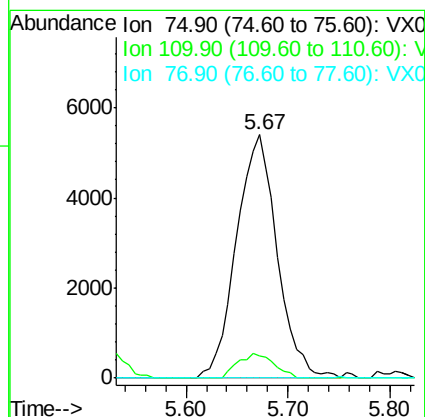
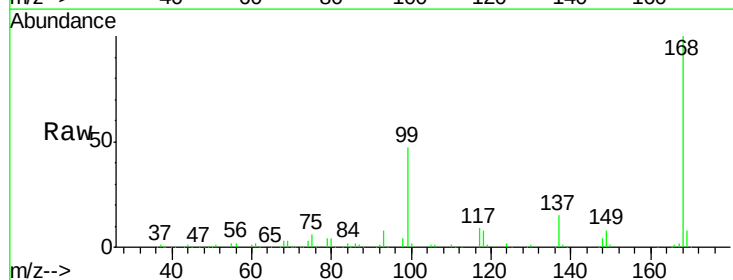
Instrument :
 MSVOA_X
 ClientSampleId :

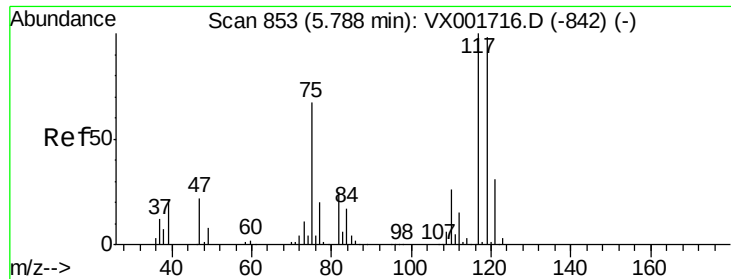
Tot Ion:113 Resp: 130602
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.0 123.0
 192 27.0 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.94 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001910.D
 Acq: 22 May 2018 22:45

Tgt Ion: 75 Resp: 14936
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.1 57.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.13 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001910.D

Acq: 22 May 2018 22:45

Instrument :
MSVOA_X
ClientSampled :

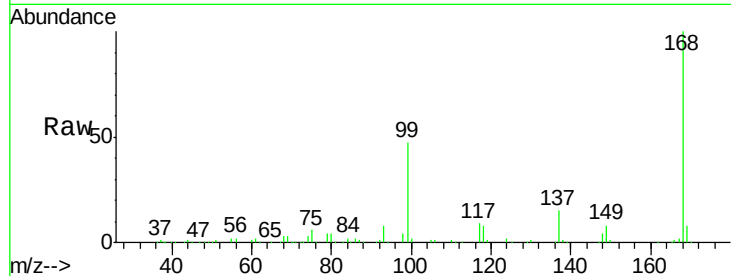
Tot Ion:117 Resp: 20368

Ion Ratio Lower Upper

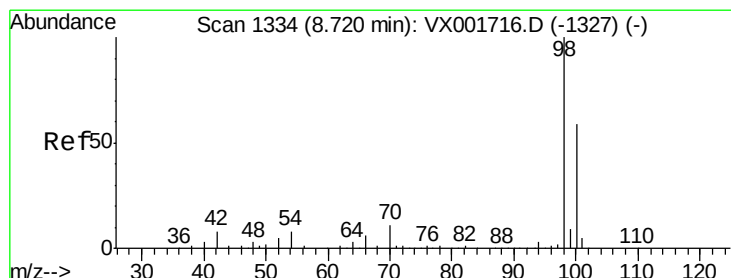
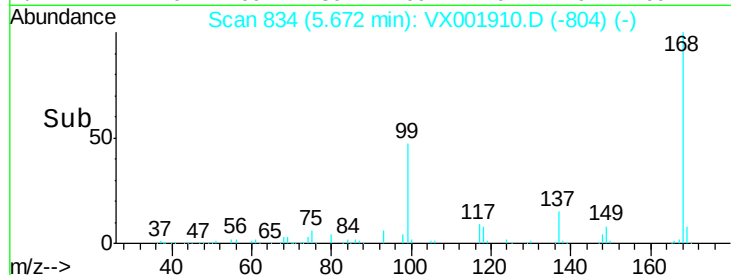
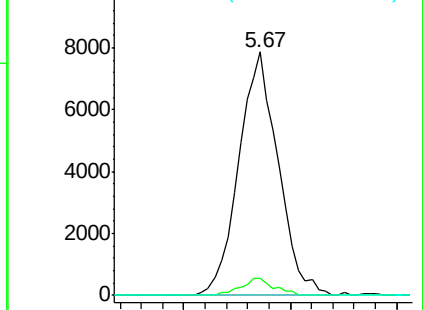
117 100

119 7.2 77.6 116.4#

121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 46.79 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001910.D

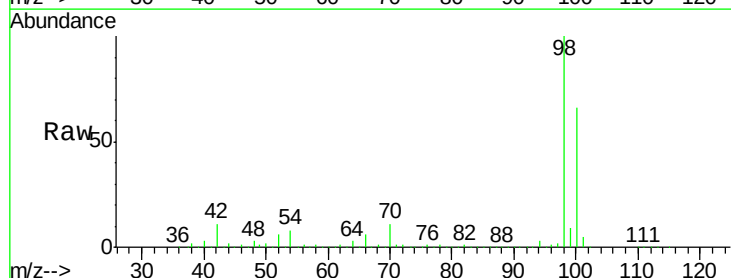
Acq: 22 May 2018 22:45

Tgt Ion: 98 Resp: 465728

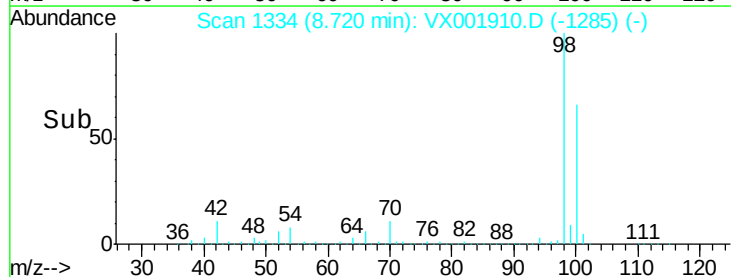
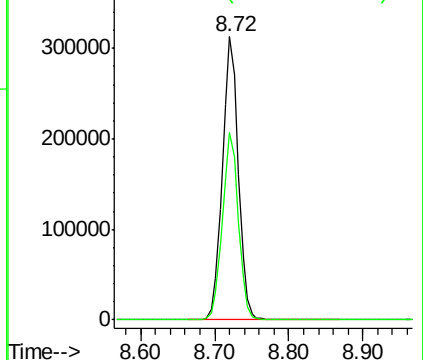
Ion Ratio Lower Upper

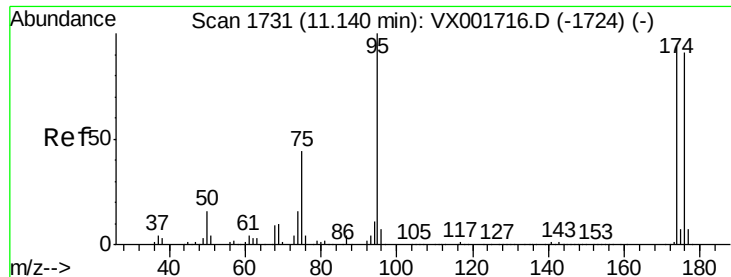
98 100

100 66.3 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

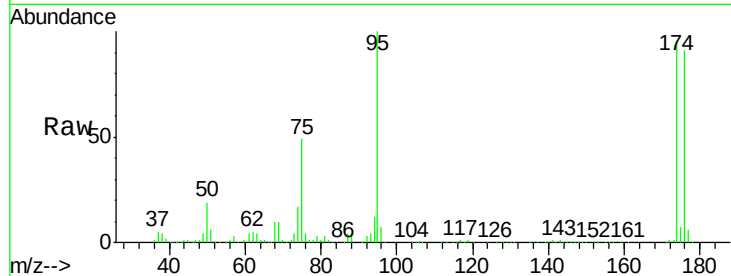




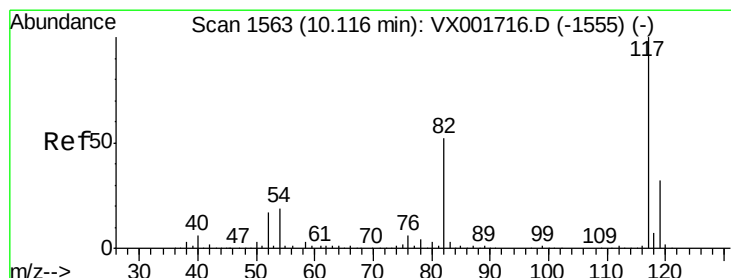
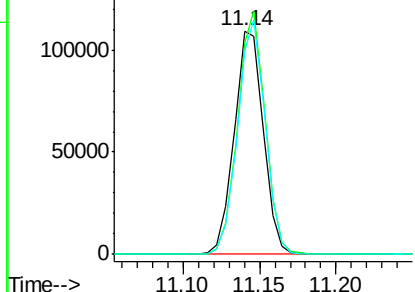
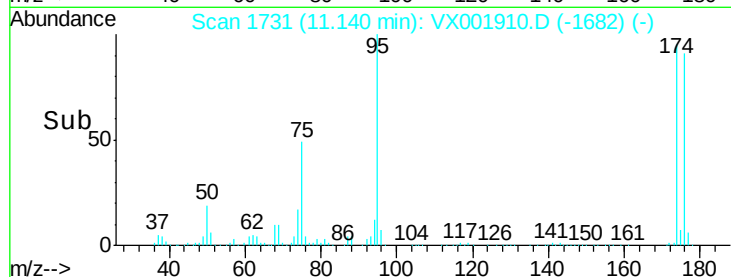
#62
4-Bromofluorobenzene
Concen: 40.12 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001910.D
Acq: 22 May 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 143791
Ion Ratio Lower Upper
95 100
174 102.8 0.0 201.8
176 99.5 0.0 196.8

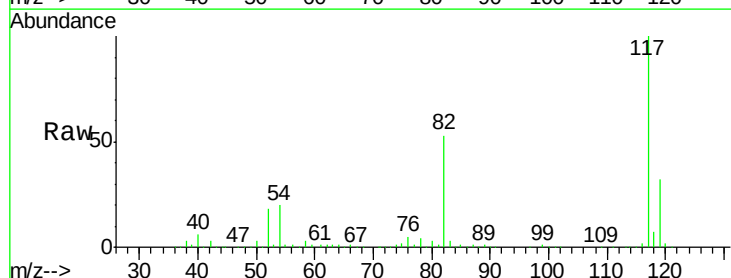


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

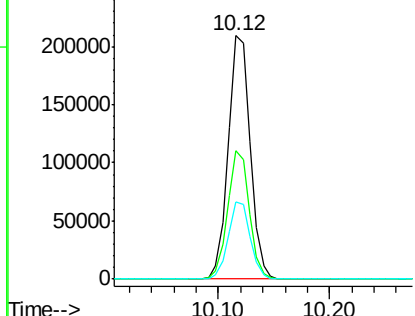
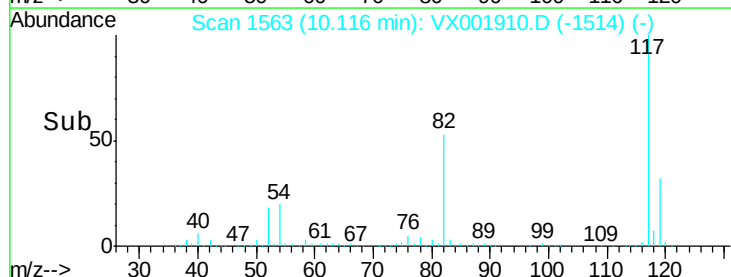


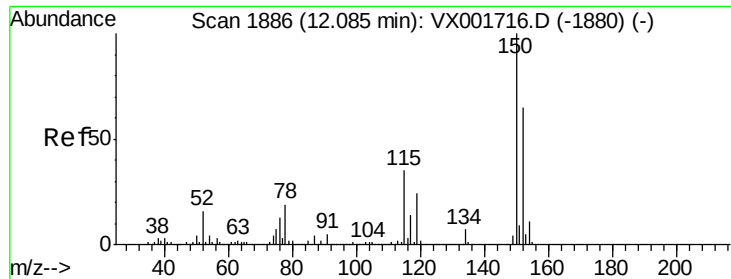
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001910.D
Acq: 22 May 2018 22:45

Tgt Ion: 117 Resp: 286957
Ion Ratio Lower Upper
117 100
82 52.8 41.4 62.2
119 31.6 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001910.D

Acq: 22 May 2018 22:45

Instrument :

MSVOA_X

ClientSampled :

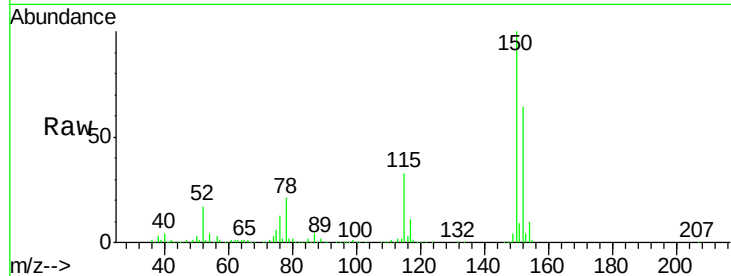
Tot Ion:152 Resp: 157113

Ion Ratio Lower Upper

152 100

115 52.3 37.4 112.2

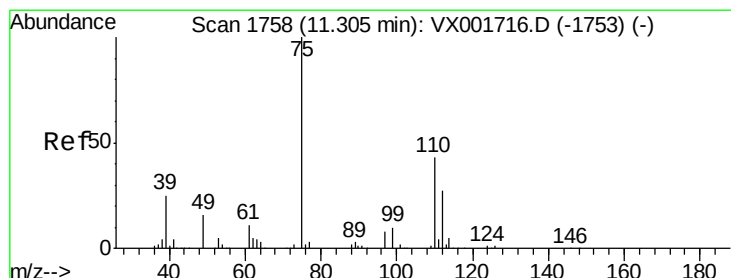
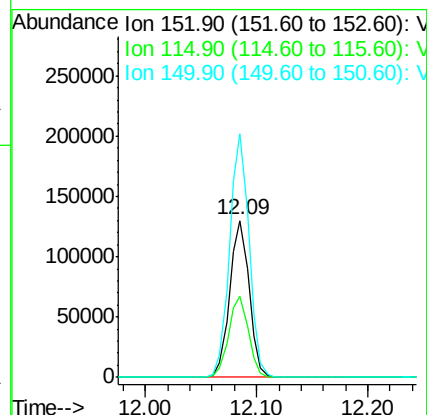
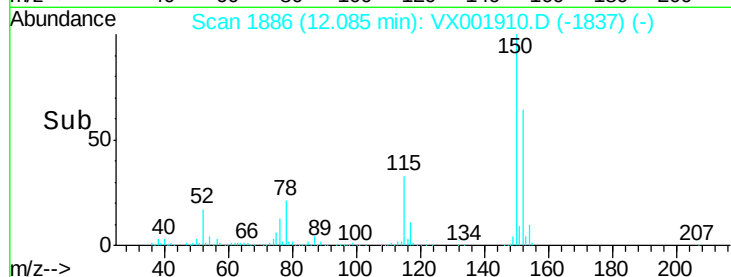
150 154.9 0.0 344.8



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: 23.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001910.D

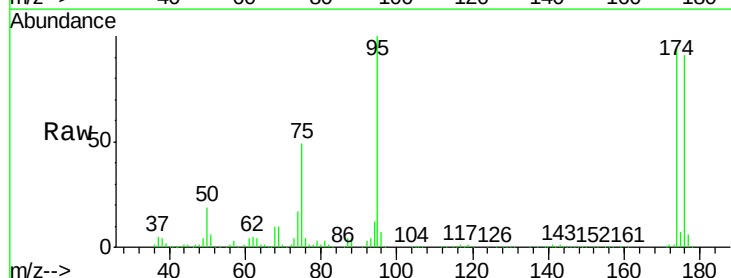
Acq: 22 May 2018 22:45

Tgt Ion: 75 Resp: 68797

Ion Ratio Lower Upper

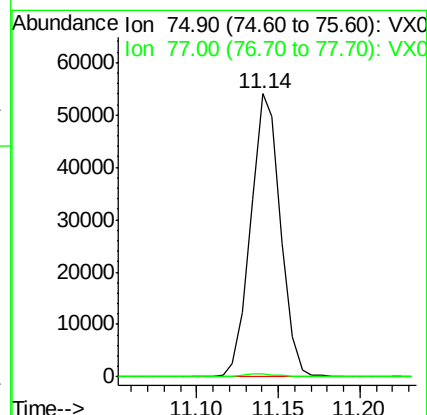
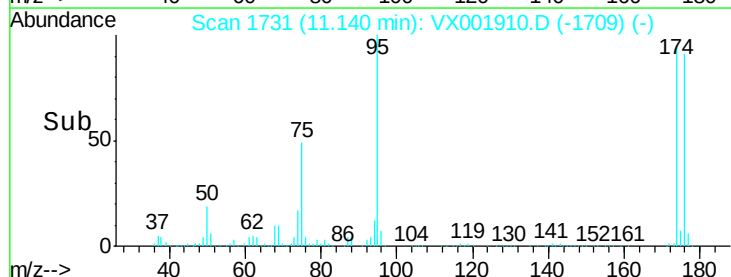
75 100

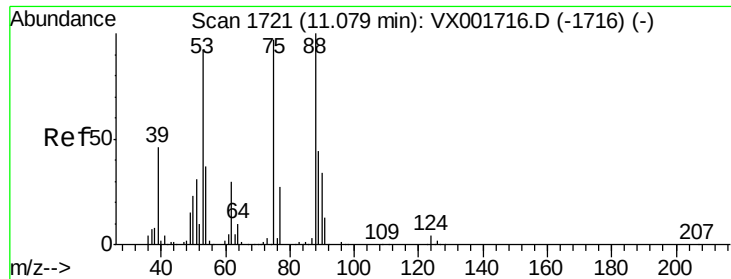
77 1.4 18.9 56.7#



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: 67.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001910.D

Acq: 22 May 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 68797

Ion Ratio Lower Upper

75 100

53 0.3 79.4 119.2#

89 0.0 38.8 58.2#

