

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001049.D
 Acq On : 23 Apr 2018 11:06
 Operator : JC/MD
 Sample : VX0423WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBL01

Quant Time: Apr 24 06:58:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	317427	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	189932	50.00	ug/l	0.00

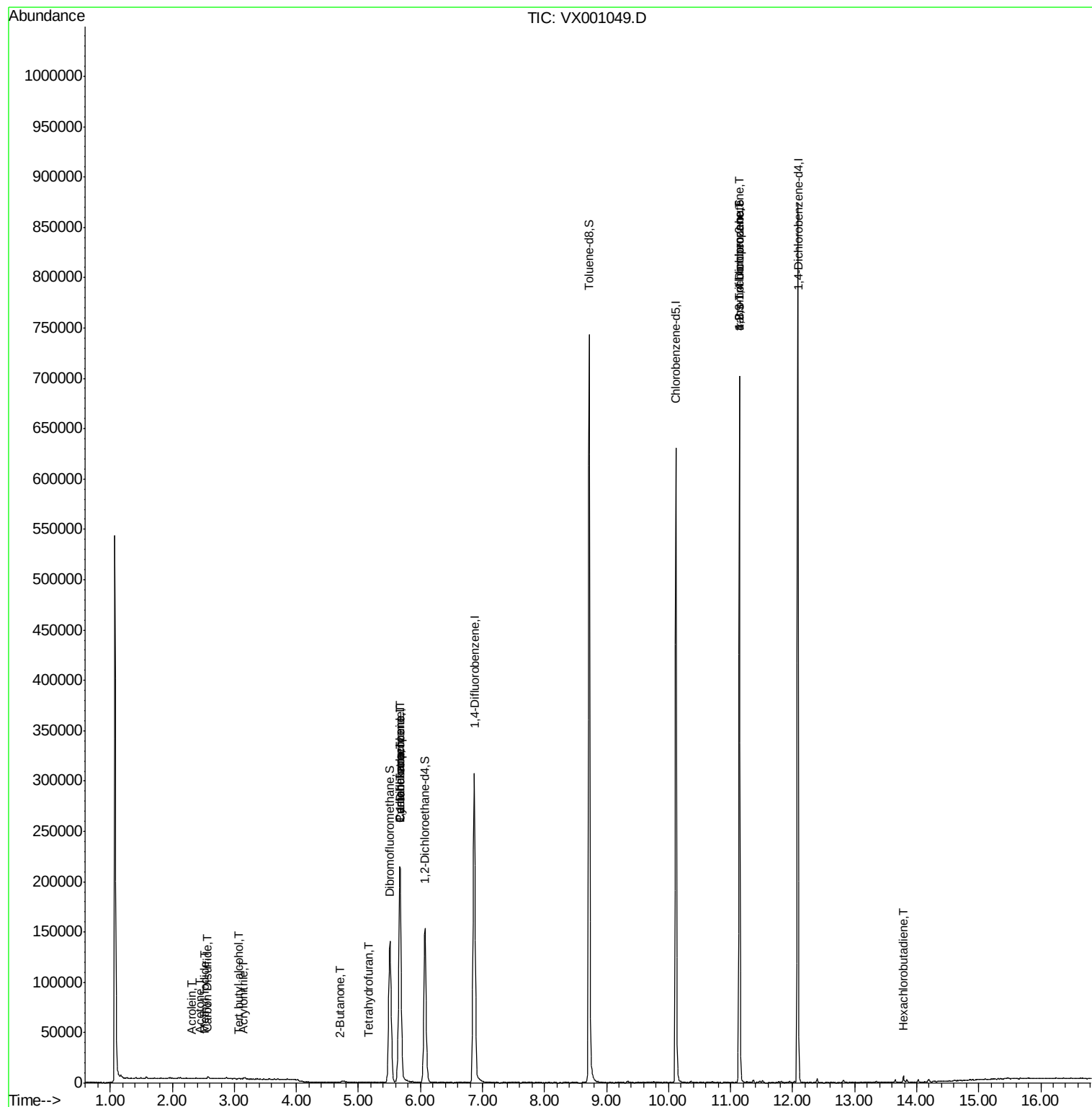
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	149225	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
35) Dibromofluoromethane	5.51	113	117474	48.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.06%	
50) Toluene-d8	8.72	98	447941	50.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	170110	45.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.58%	

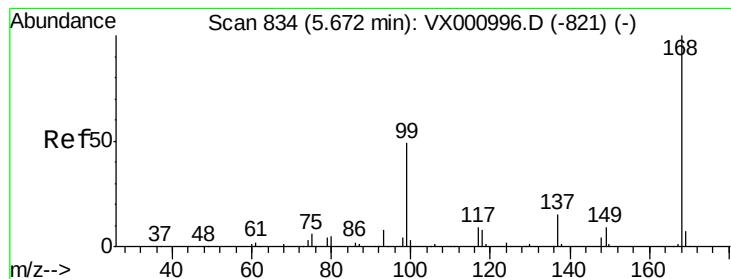
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	268	Below Cal		87
10) Methyl Iodide	2.53	142	321	7.71 ug/l #		72
11) Tert butyl alcohol	3.07	59	96	0.22 ug/l #		1
13) Acrolein	2.31	56	275	12.85 ug/l #		14
15) Acrylonitrile	3.15	53	1030	0.86 ug/l #		86
16) Acetone	2.44	43	464	0.42 ug/l #		78
17) Carbon Disulfide	2.57	76	1829	0.29 ug/l		99
20) Methylene Chloride	2.87	84	613	Below Cal #		73
25) 2-Butanone	4.70	43	384	0.22 ug/l #		50
29) Tetrahydrofuran	5.17	42	870	0.80 ug/l #		68
31) Cyclohexane	5.67	56	3923	0.95 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	14333	3.84 ug/l #		50
38) Carbon Tetrachloride	5.67	117	20478	5.42 ug/l #		16
76) 1,2,3-Trichloropropane	11.14	75	86300	26.19 ug/l #		38
81) trans-1,4-Dichloro-2-buten	11.14	75	86300	78.40 ug/l #		8
94) Hexachlorobutadiene	13.79	225	1146	0.46 ug/l		94

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

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001049.D

Acq: 23 Apr 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

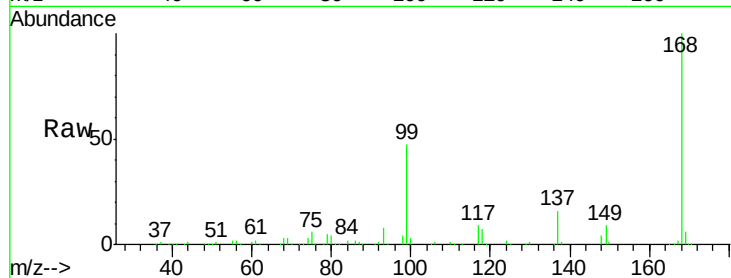
VX0423WBL01

Tgt Ion:168 Resp: 230430

Ion Ratio Lower Upper

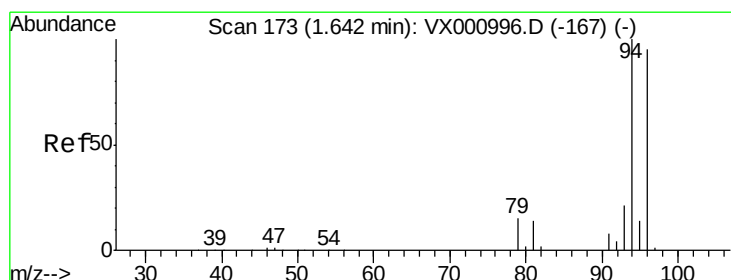
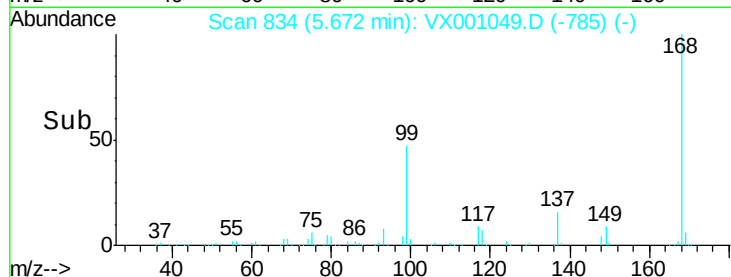
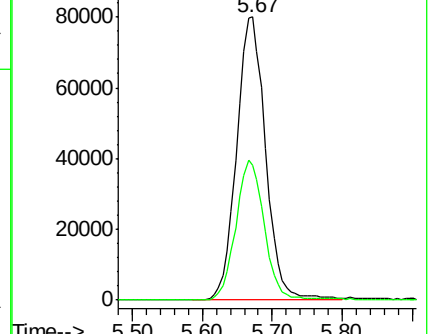
168 100

99 47.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001049.D

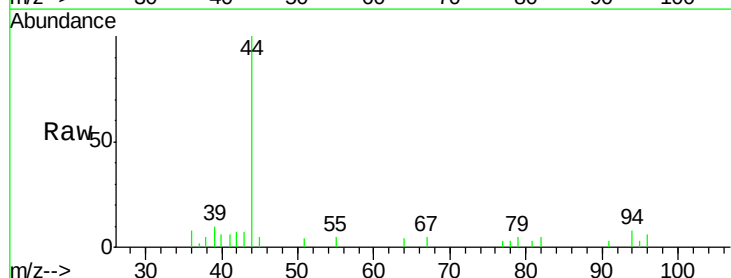
Acq: 23 Apr 2018 11:06

Tgt Ion: 94 Resp: 268

Ion Ratio Lower Upper

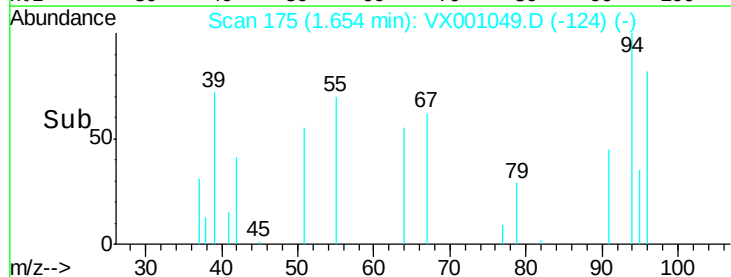
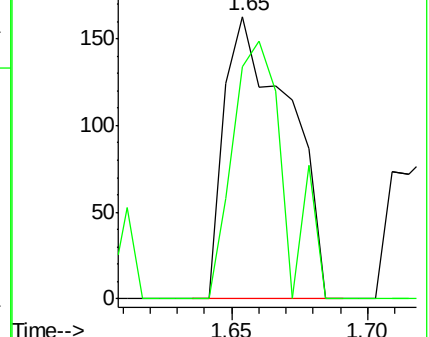
94 100

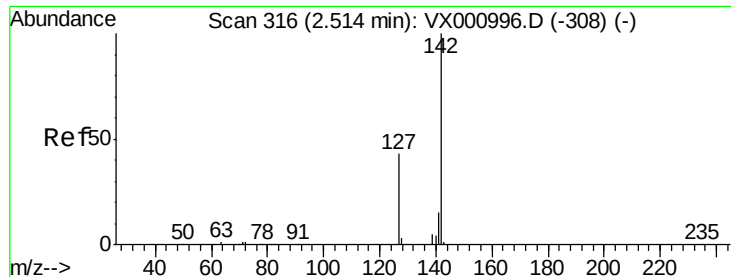
96 82.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 7.71 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001049.D

Acq: 23 Apr 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL01

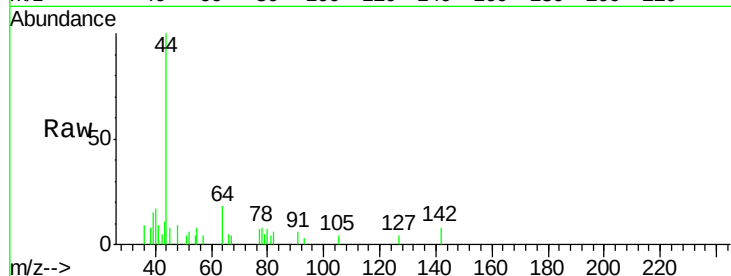
Tgt Ion:142 Resp: 321

Ion Ratio Lower Upper

142 100

127 26.2 34.0 51.0#

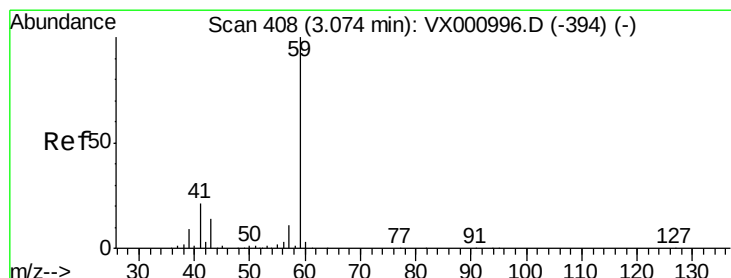
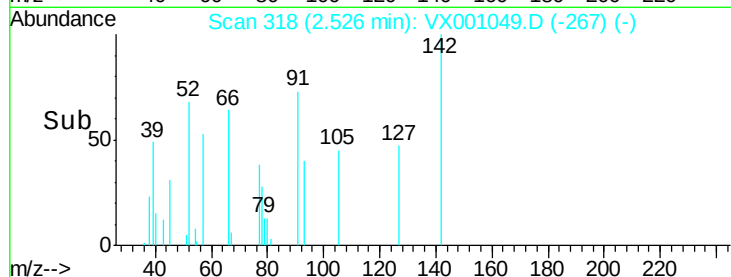
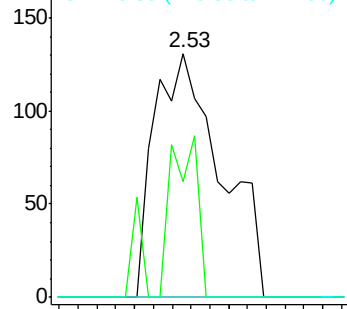
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.22 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX001049.D

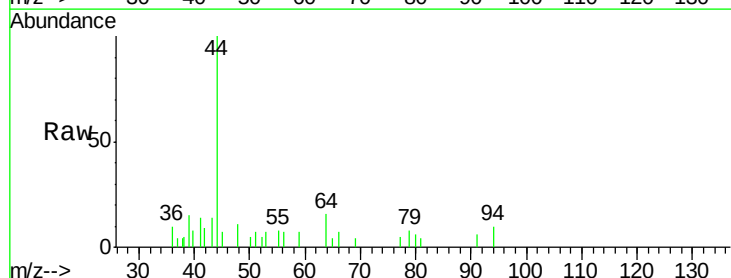
Acq: 23 Apr 2018 11:06

Tgt Ion: 59 Resp: 96

Ion Ratio Lower Upper

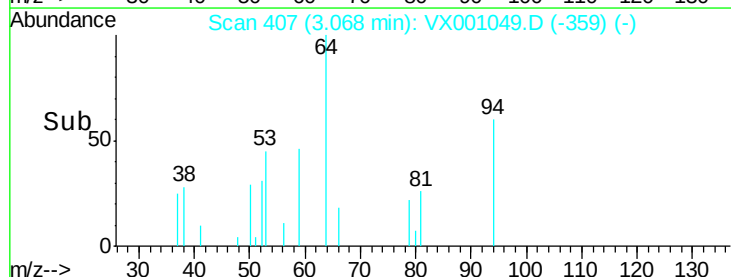
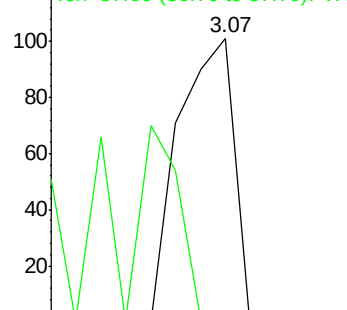
59 100

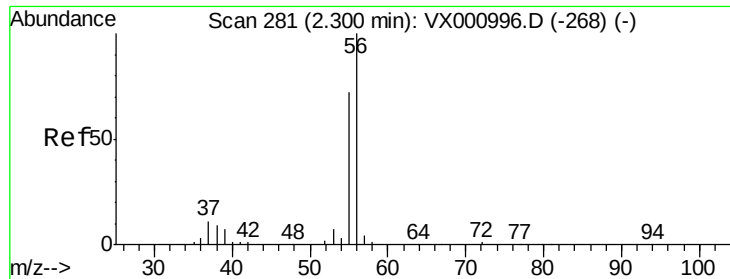
57 72.9 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 12.85 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001049.D

Acq: 23 Apr 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

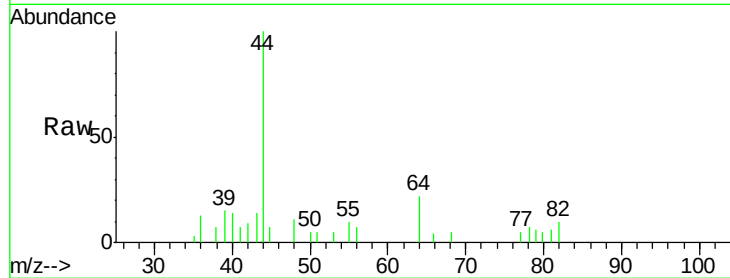
VX0423WBL01

Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

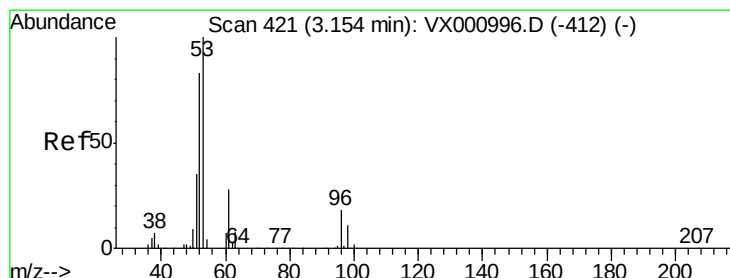
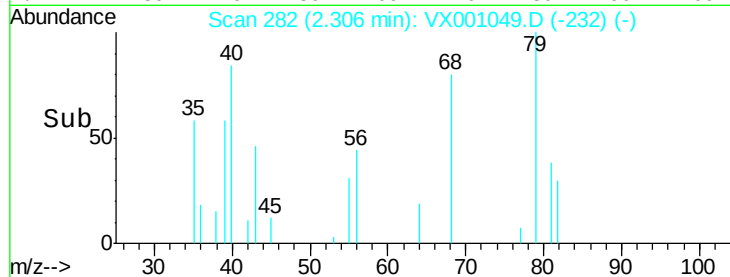
100

50

0

2.25 2.30 2.35

Time-->



#15

Acrylonitrile

Concen: 0.86 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001049.D

Acq: 23 Apr 2018 11:06

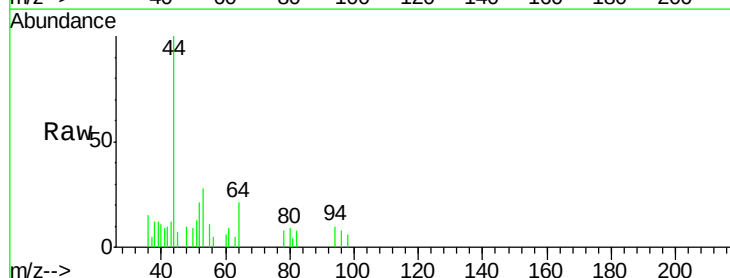
Tgt Ion: 53 Resp: 1030

Ion Ratio Lower Upper

53 100

52 69.5 66.4 99.6

51 44.0 29.0 43.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

400

300

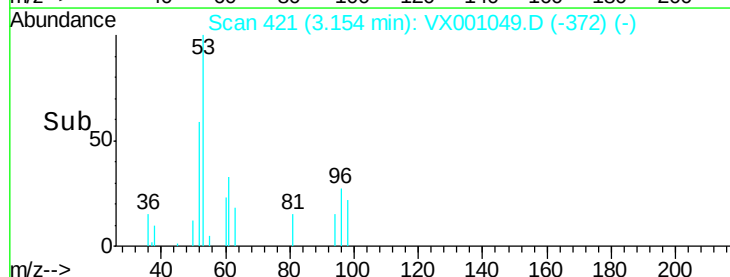
200

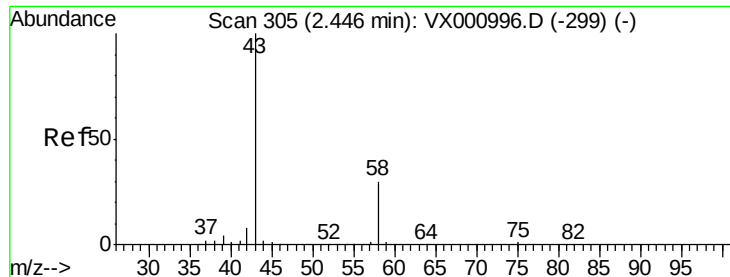
100

0

3.05 3.10 3.15 3.20 3.25

Time-->





#16

Acetone

Concen: 0.42 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX001049.D

Acq: 23 Apr 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

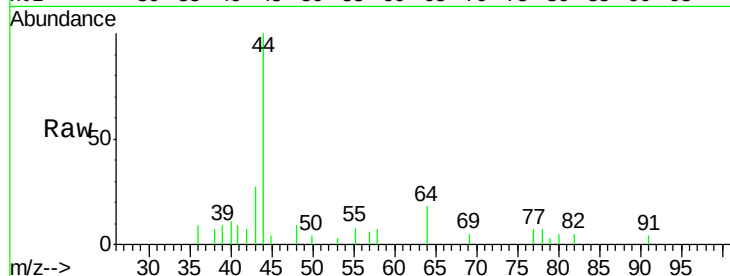
VX0423WBL01

Tgt Ion: 43 Resp: 464

Ion Ratio Lower Upper

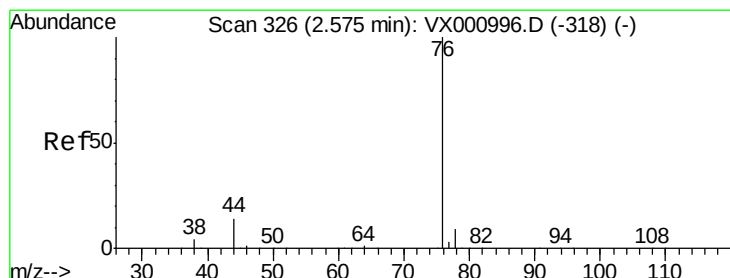
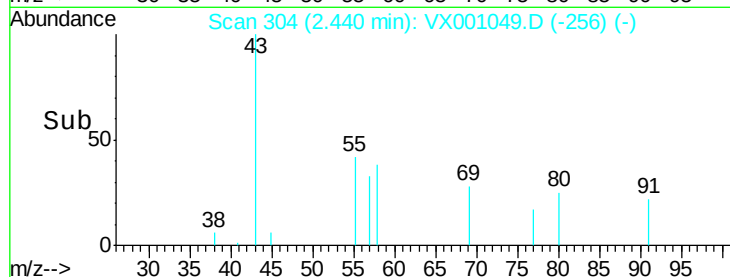
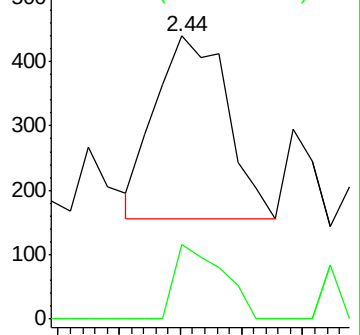
43 100

58 41.2 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.29 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001049.D

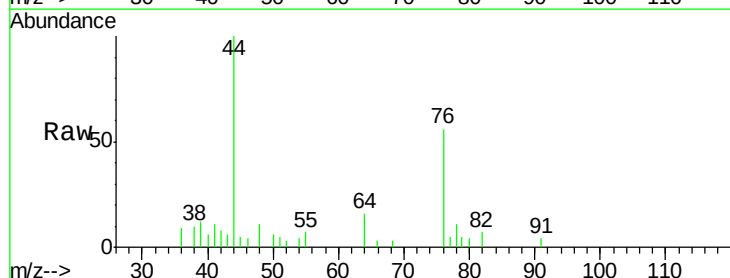
Acq: 23 Apr 2018 11:06

Tgt Ion: 76 Resp: 1829

Ion Ratio Lower Upper

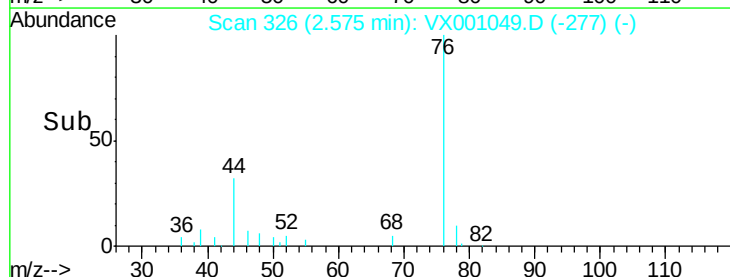
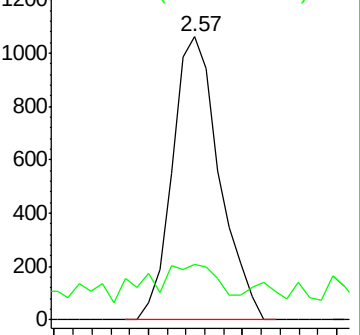
76 100

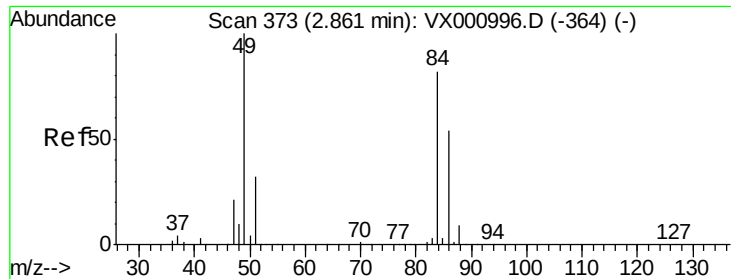
78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

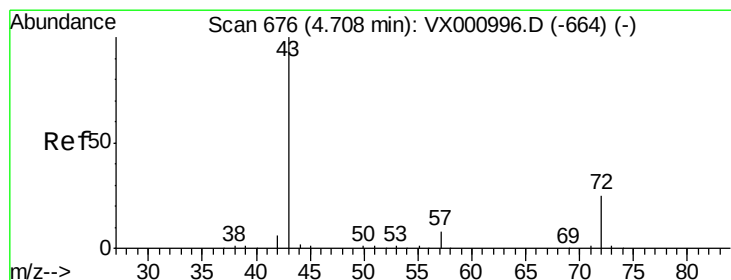
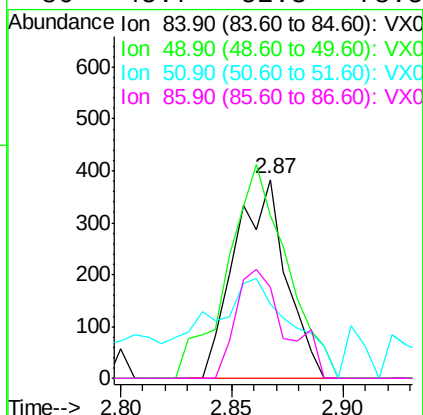
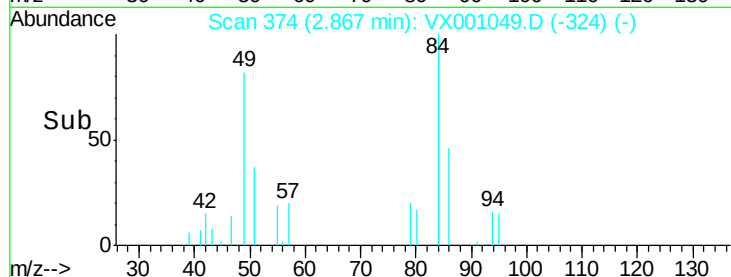
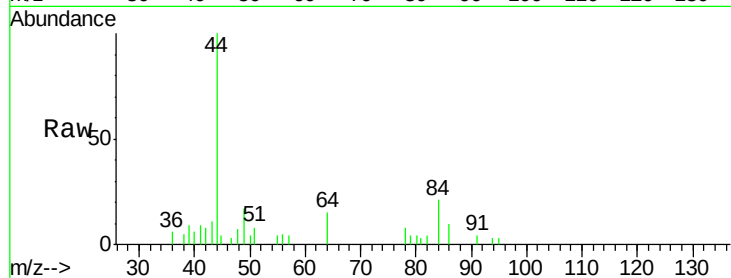




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001049.D
Acq: 23 Apr 2018 11:06

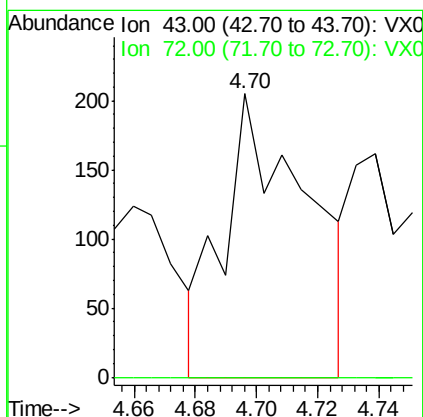
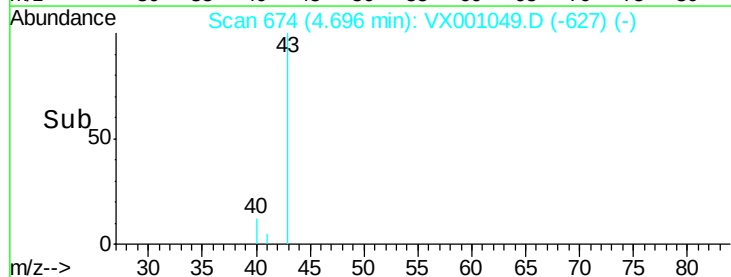
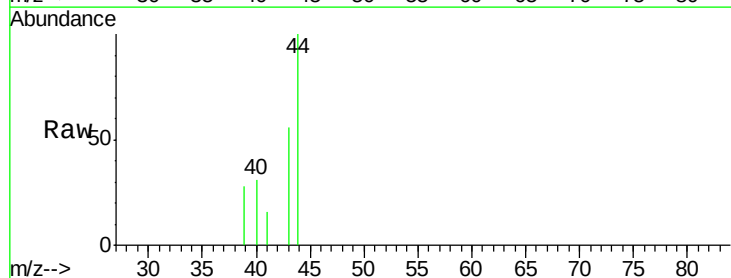
Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL01

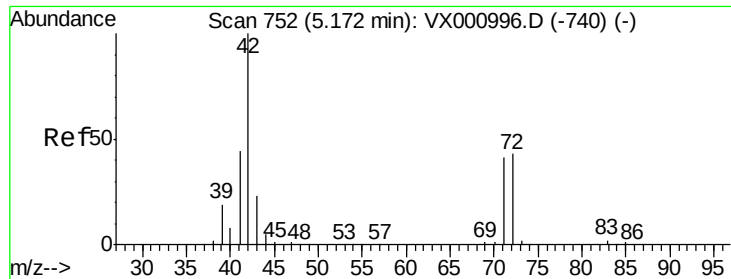
Tgt Ion: 84 Resp: 613
Ion Ratio Lower Upper
84 100
49 82.0 97.1 145.7#
51 37.3 30.8 46.2
86 45.7 52.3 78.5#



#25
2-Butanone
Concen: 0.22 ug/l
RT: 4.70 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX001049.D
Acq: 23 Apr 2018 11:06

Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.80 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX001049.D

Acq: 23 Apr 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL01

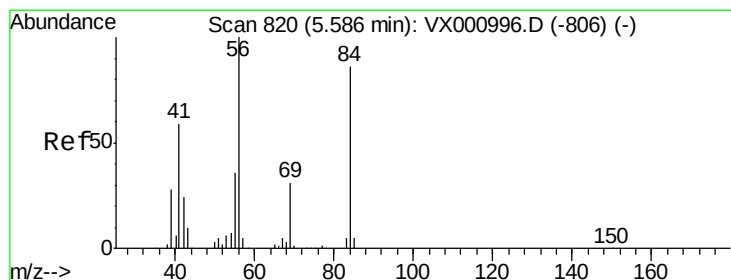
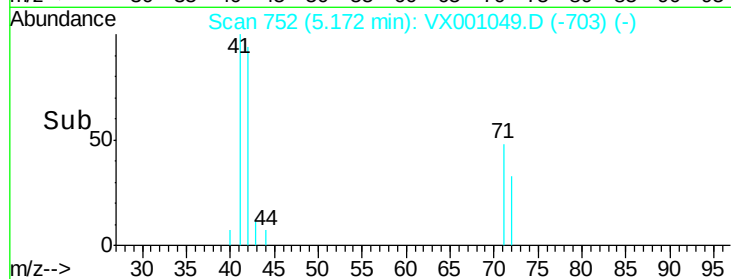
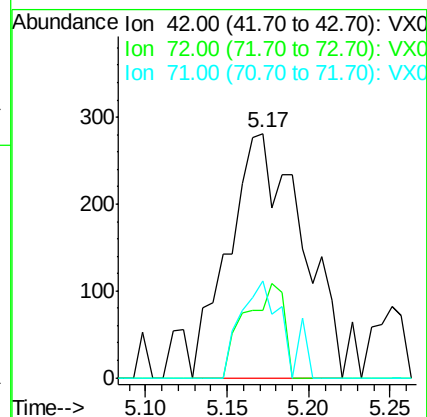
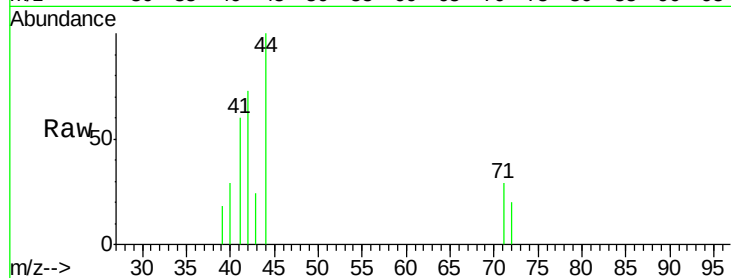
Tgt Ion: 42 Resp: 870

Ion Ratio Lower Upper

42 100

72 20.5 34.6 52.0#

71 23.4 32.6 49.0#



#31

Cyclohexane

Concen: 0.95 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX001049.D

Acq: 23 Apr 2018 11:06

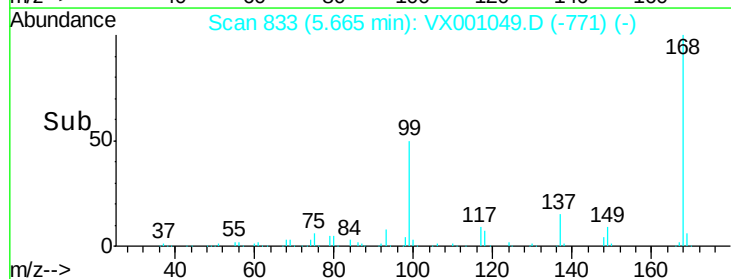
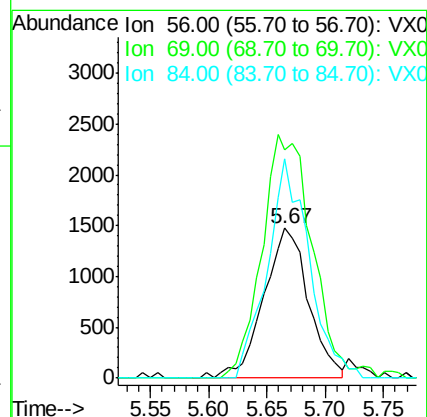
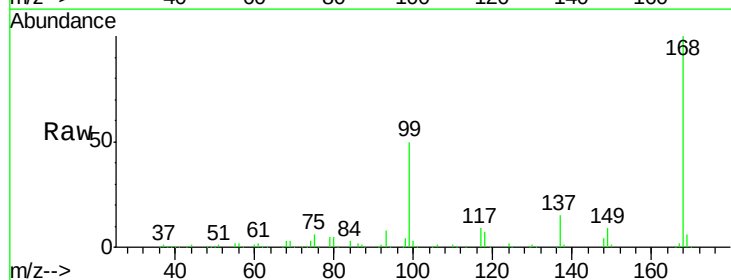
Tgt Ion: 56 Resp: 3923

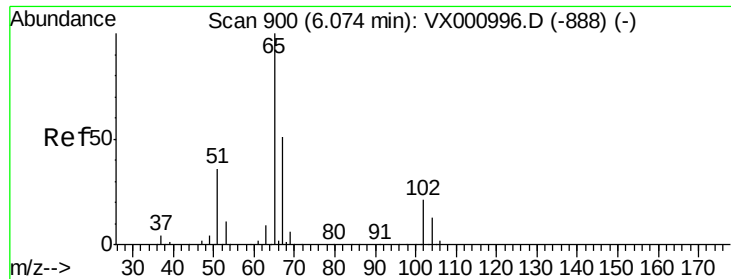
Ion Ratio Lower Upper

56 100

69 152.9 24.6 36.8#

84 146.7 69.0 103.6#

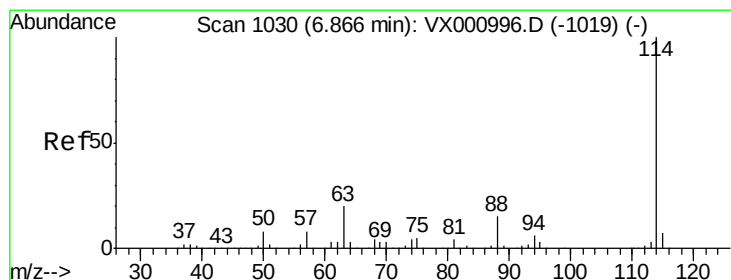
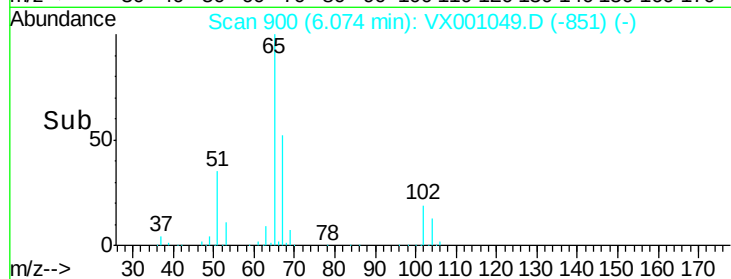
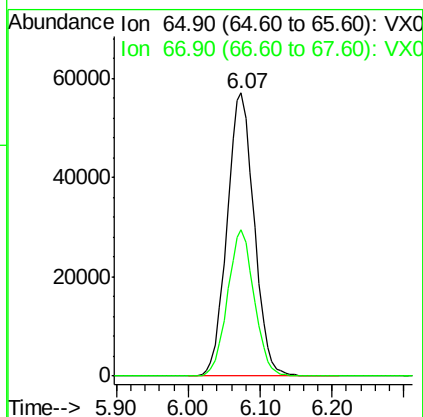
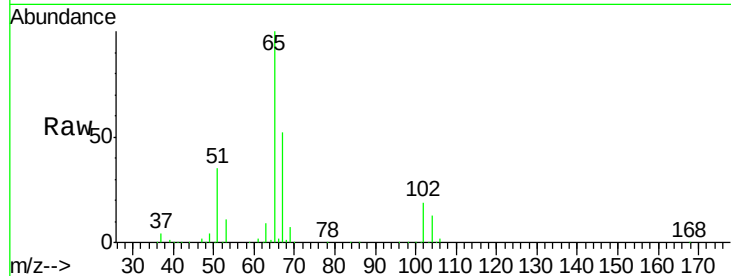




#33
 1,2-Dichloroethane-d4
 Concen: 51.09 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001049.D
 Acq: 23 Apr 2018 11:06

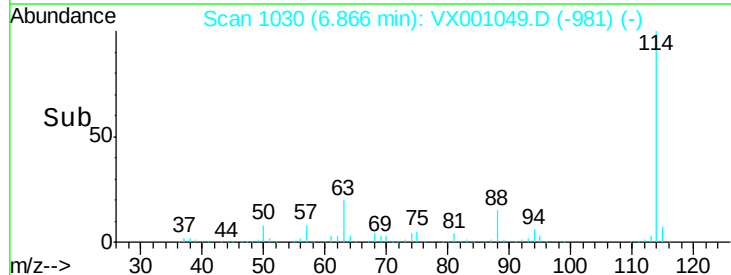
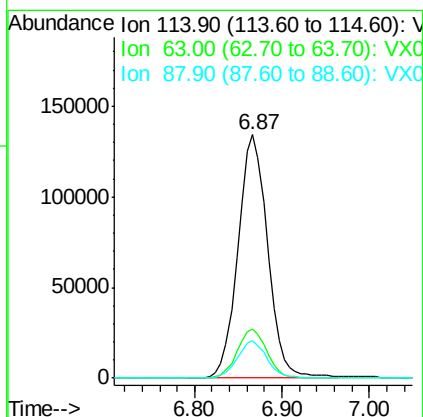
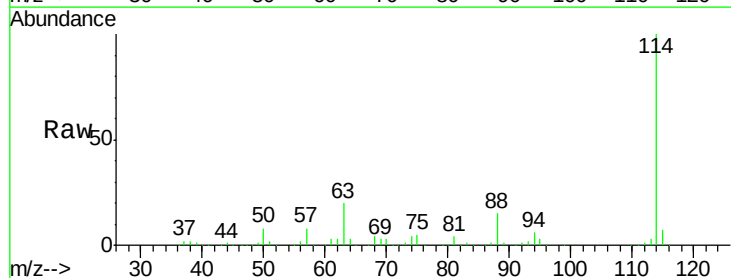
Instrument :
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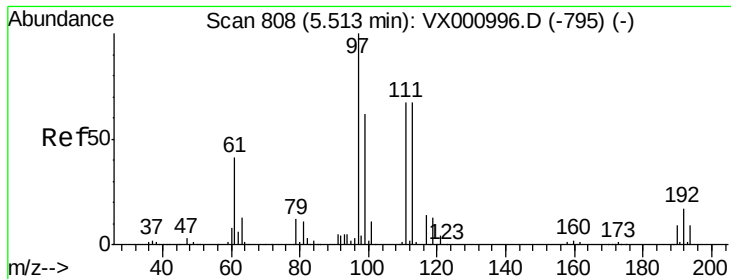
Tgt Ion: 65 Resp: 149225
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001049.D
 Acq: 23 Apr 2018 11:06

Tgt Ion: 114 Resp: 317427
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 15.2 0.0 29.8

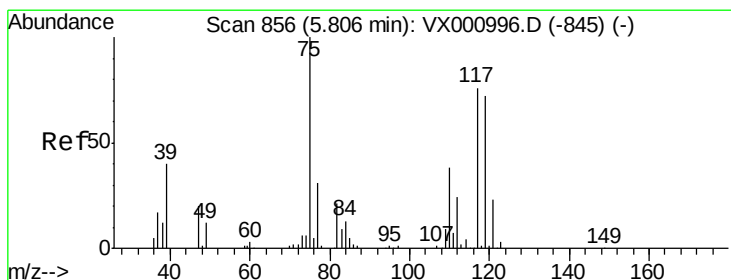
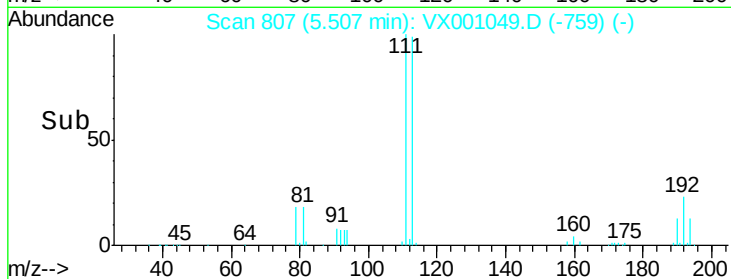
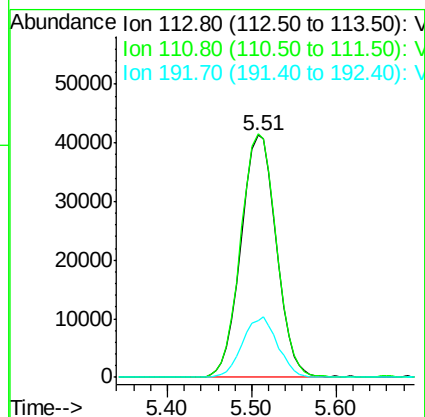
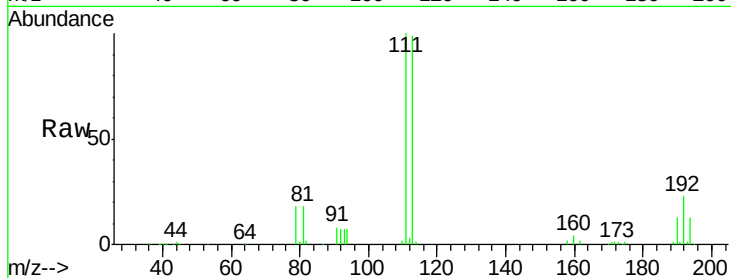




#35
 Dibromofluoromethane
 Concen: 48.53 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001049.D
 Acq: 23 Apr 2018 11:06

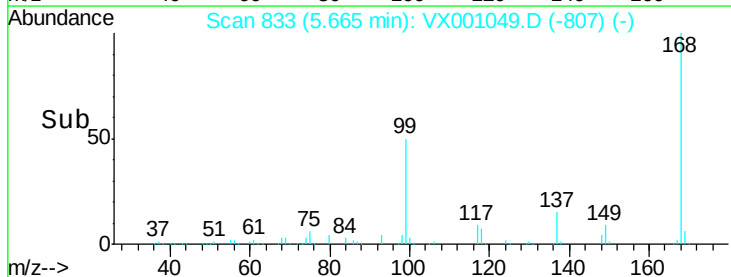
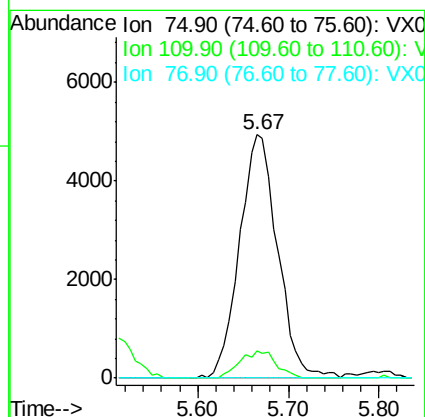
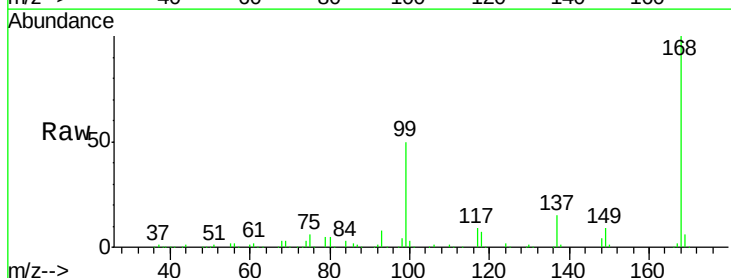
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBL01

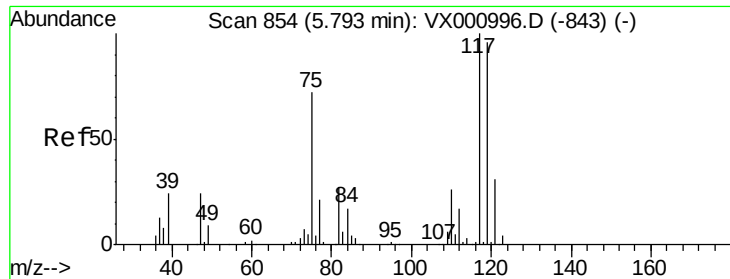
Tgt Ion:113 Resp: 117474
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.2
 192 24.8 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001049.D
 Acq: 23 Apr 2018 11:06

Tgt Ion: 75 Resp: 14333
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.7 56.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.42 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX001049.D

Acq: 23 Apr 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL01

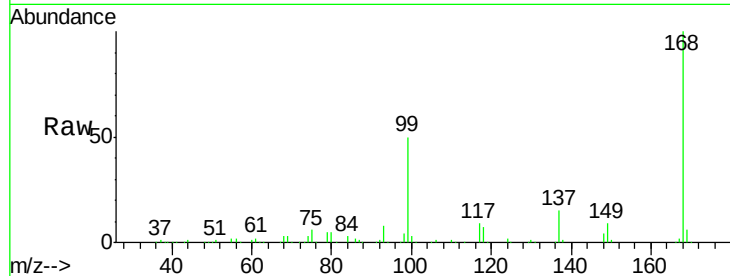
Tgt Ion:117 Resp: 20478

Ion Ratio Lower Upper

117 100

119 4.8 76.5 114.7#

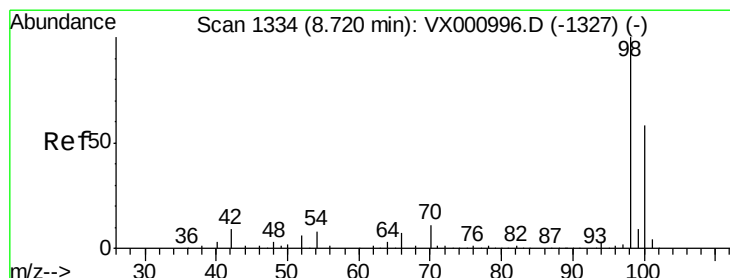
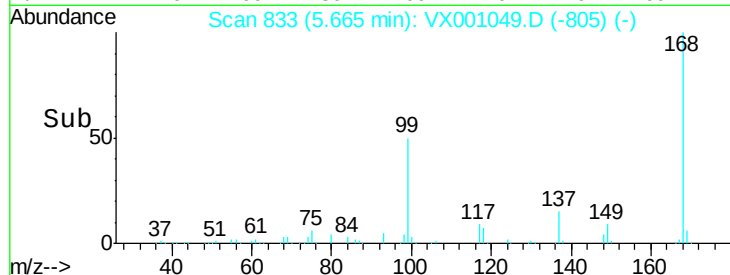
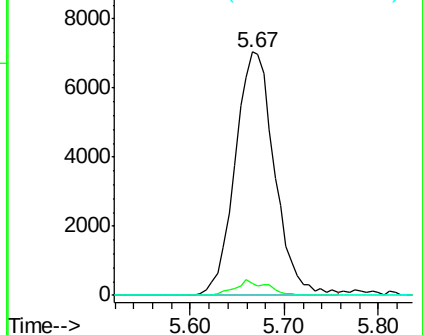
121 0.0 24.5 36.7#



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: 50.05 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001049.D

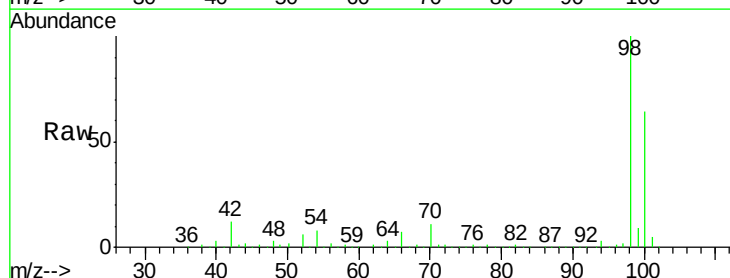
Acq: 23 Apr 2018 11:06

Tgt Ion: 98 Resp: 447941

Ion Ratio Lower Upper

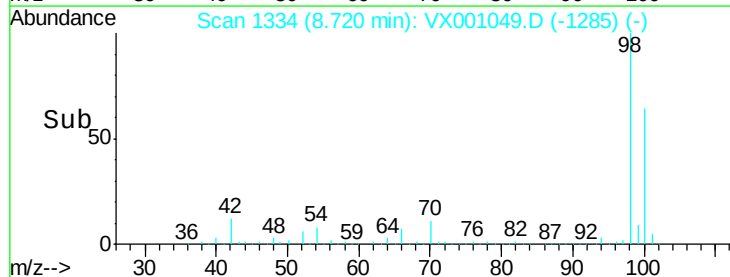
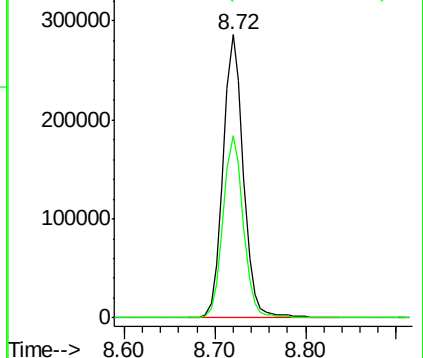
98 100

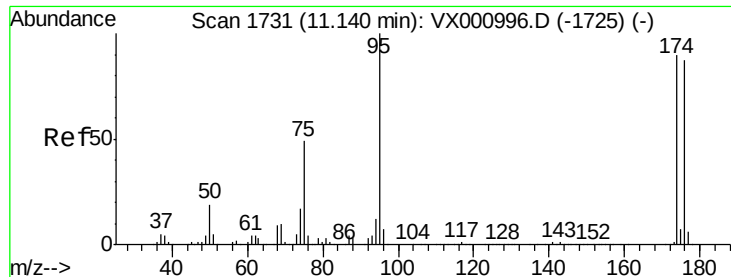
100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

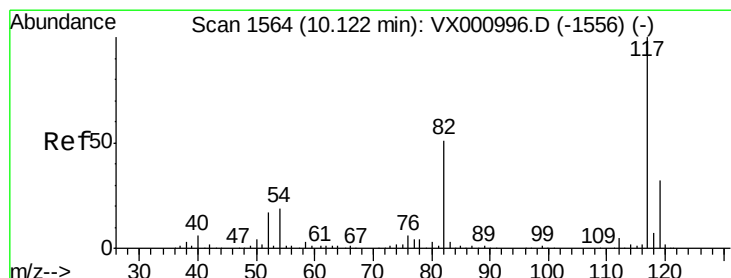
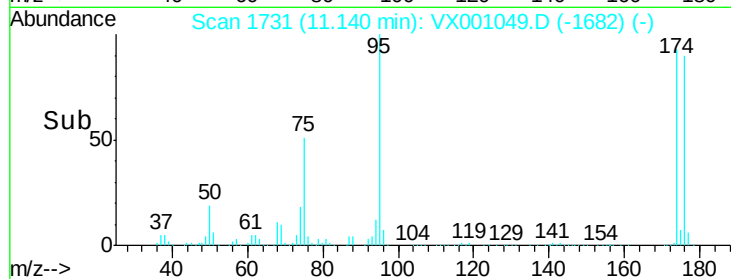
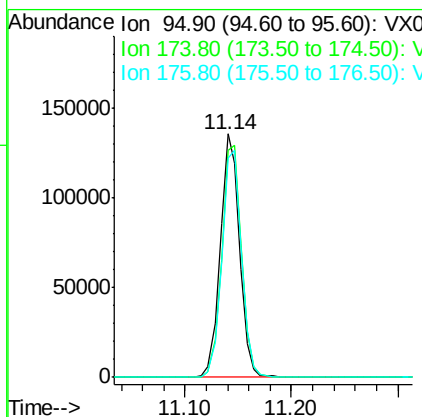
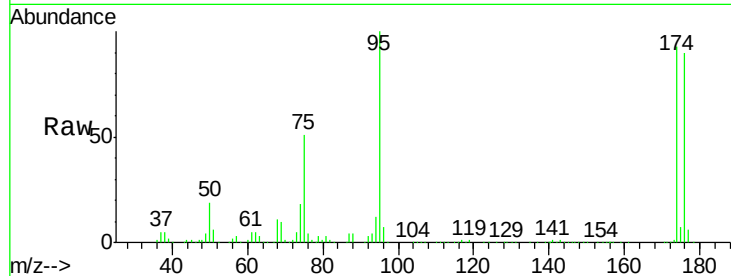




#62
 4-Bromofluorobenzene
 Concen: 45.29 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001049.D
 Acq: 23 Apr 2018 11:06

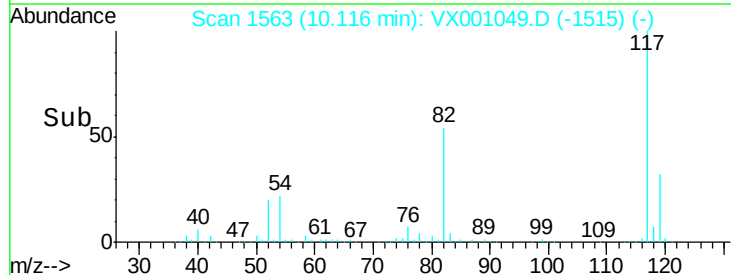
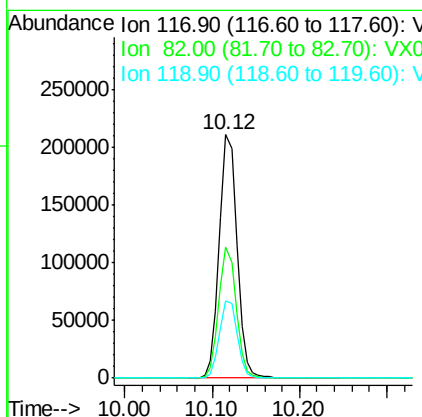
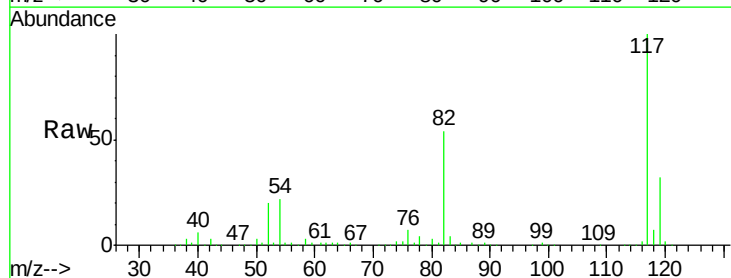
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBL01

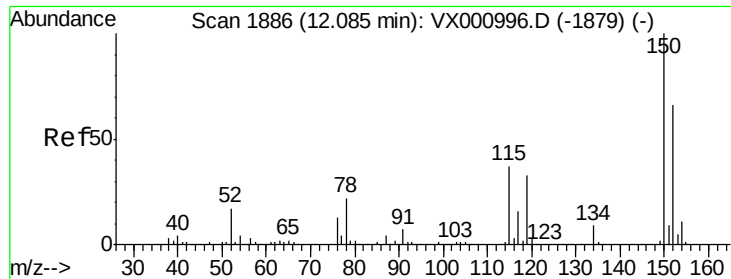
Tgt Ion: 95 Resp: 170110
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 198.4
 176 95.7 0.0 192.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VX001049.D
 Acq: 23 Apr 2018 11:06

Tgt Ion: 117 Resp: 297331
 Ion Ratio Lower Upper
 117 100
 82 53.6 40.6 60.8
 119 31.8 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001049.D

Acq: 23 Apr 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBL01

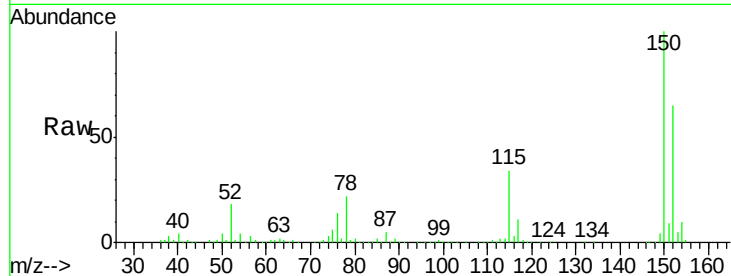
Tgt Ion:152 Resp: 189932

Ion Ratio Lower Upper

152 100

115 53.6 38.2 114.6

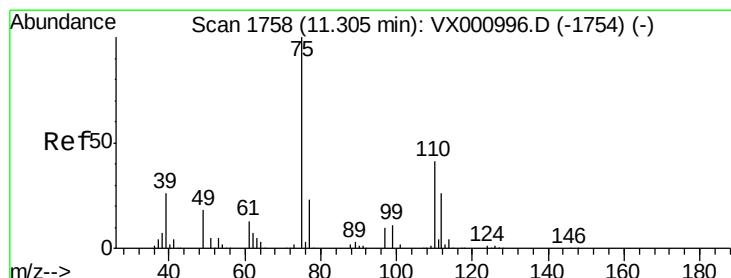
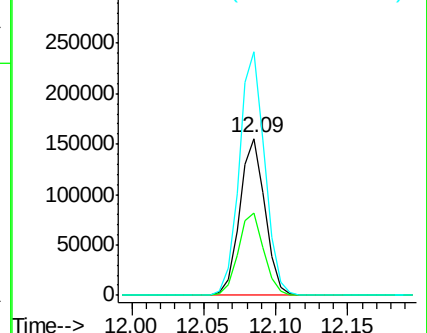
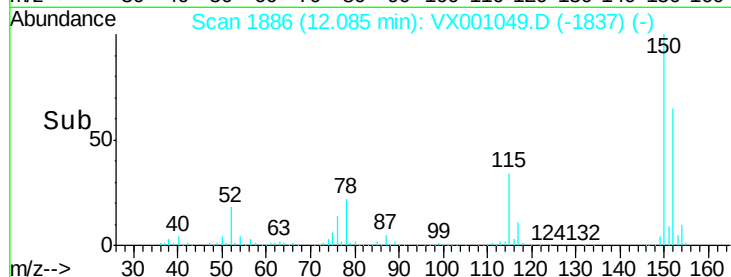
150 156.6 0.0 350.4



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: 26.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001049.D

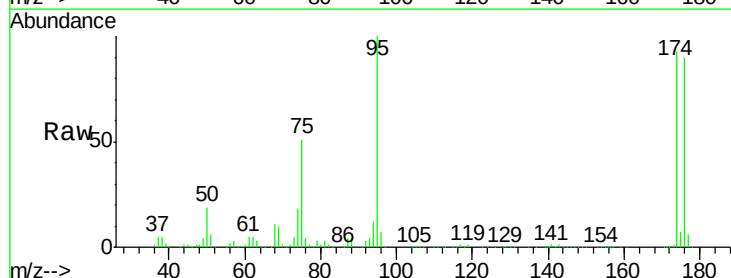
Acq: 23 Apr 2018 11:06

Tgt Ion: 75 Resp: 86300

Ion Ratio Lower Upper

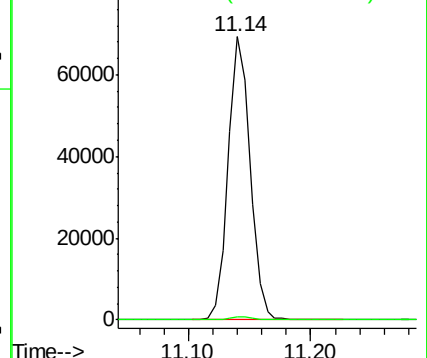
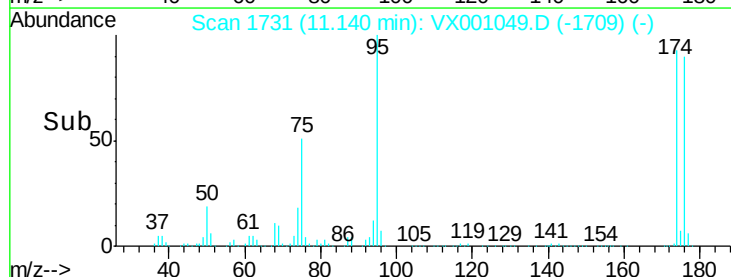
75 100

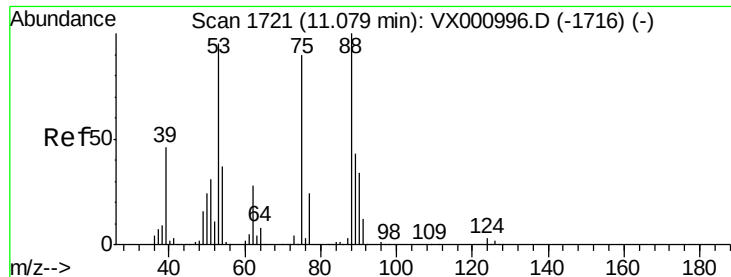
77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

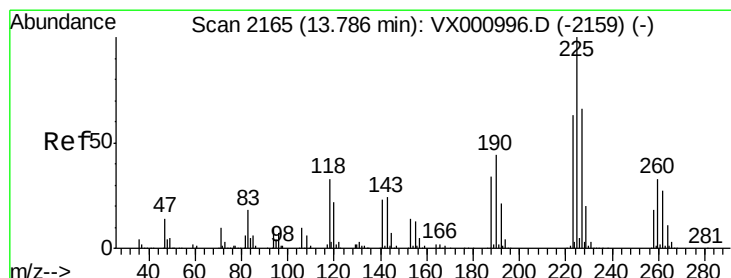
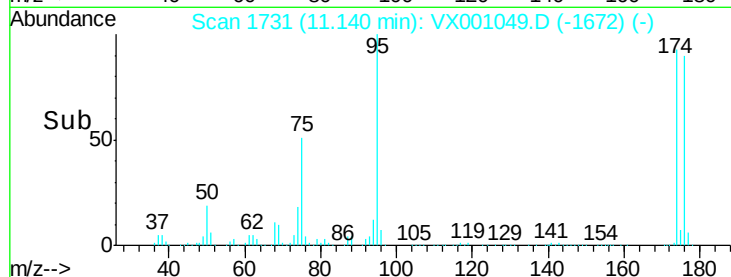
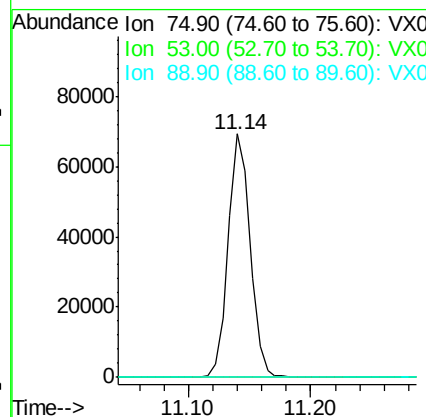
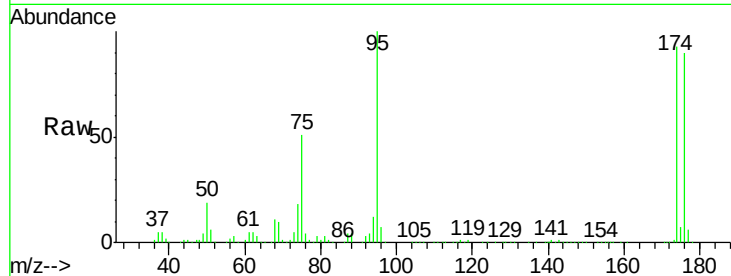




#81
trans-1,4-Dichloro-2-butene
Concen: 78.40 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001049.D
Acq: 23 Apr 2018 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBL01

Tgt Ion: 75 Resp: 86300
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 39.7 59.5#



#94
Hexachlorobutadiene
Concen: 0.46 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX001049.D
Acq: 23 Apr 2018 11:06

Tgt Ion: 225 Resp: 1146
Ion Ratio Lower Upper
225 100
223 63.4 31.5 94.5
227 56.8 32.6 97.8

