

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
 Data File : VX001421.D
 Acq On : 05 May 2018 16:34
 Operator : JC/MD
 Sample : PB108891TB 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108891TB 5X

Quant Time: May 06 08:04:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	255009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354663	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	173927	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	168019	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
35) Dibromofluoromethane	5.51	113	129186	40.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.90%	
50) Toluene-d8	8.72	98	473659	41.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.26%	
62) 4-Bromofluorobenzene	11.14	95	160481	36.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.60%	

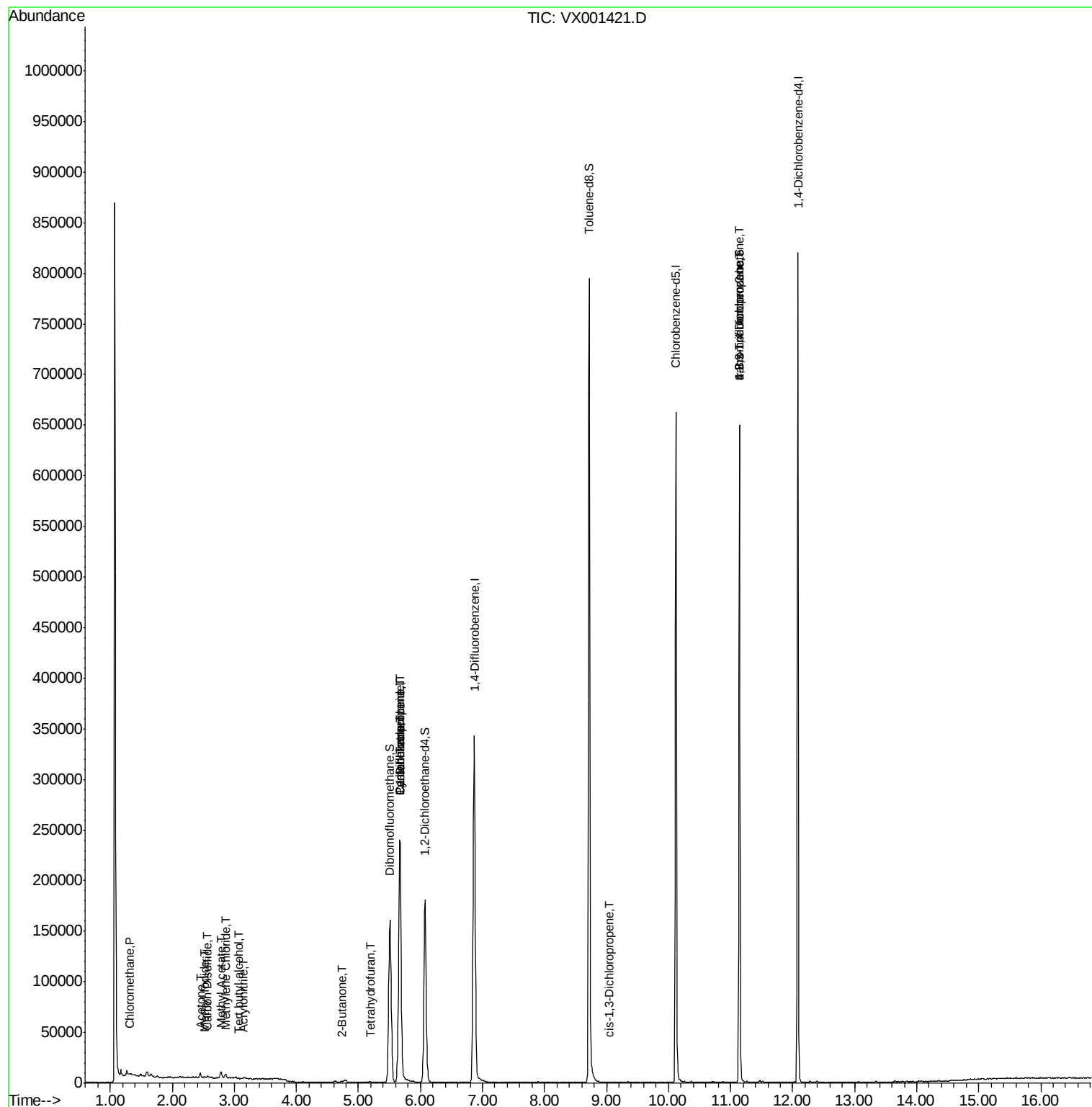
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	701	0.21	ug/l	# 84
5) Bromomethane	1.65	94	1920	Below	Cal	99
10) Methyl Iodide	2.52	142	1640	0.37	ug/l	96
11) Tert butyl alcohol	3.07	59	189	0.24	ug/l	# 65
13) Acrolein	2.28	56	231	Below	Cal	# 16
15) Acrylonitrile	3.15	53	442	0.25	ug/l	# 42
16) Acetone	2.45	43	5138	3.09	ug/l	92
17) Carbon Disulfide	2.57	76	1897	0.26	ug/l	# 83
18) Methyl Acetate	2.78	43	7202	1.65	ug/l	94
20) Methylene Chloride	2.86	84	1595	0.48	ug/l	# 85
25) 2-Butanone	4.72	43	1292	0.54	ug/l	# 66
29) Tetrahydrofuran	5.18	42	770	0.50	ug/l	# 48
31) Cyclohexane	5.67	56	4647	0.99	ug/l	# 3
36) 1,1-Dichloropropene	5.67	75	15742	3.49	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	22529	4.68	ug/l	# 15
54) cis-1,3-Dichloropropene	9.05	75	167	2.29	ug/l	# 71
76) 1,2,3-Trichloropropane	11.14	75	80263	22.75	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	80263	70.61	ug/l	# 7

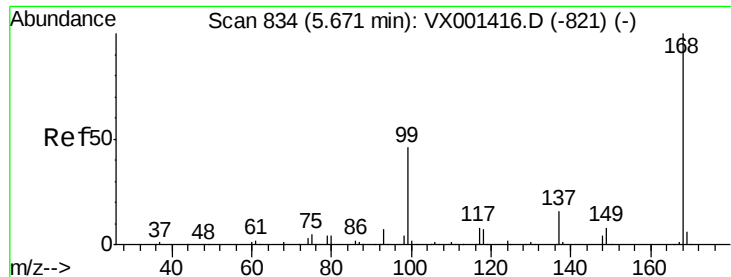
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
Data File : VX001421.D
Acq On : 05 May 2018 16:34
Operator : JC/MD
Sample : PB108891TB 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108891TB 5X

Quant Time: May 06 08:04:37 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
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: VX001421.D

Acq: 05 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

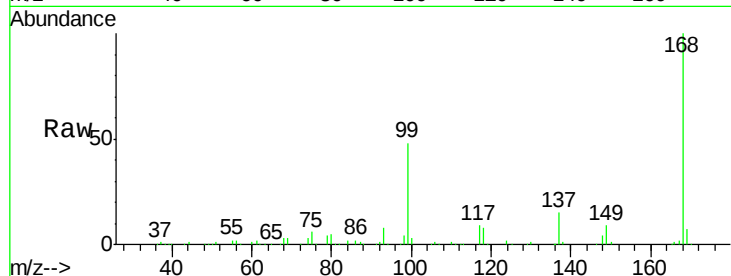
PB108891TB 5X

Tgt Ion:168 Resp: 255009

Ion Ratio Lower Upper

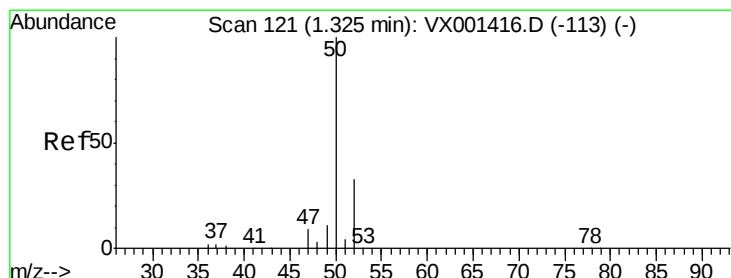
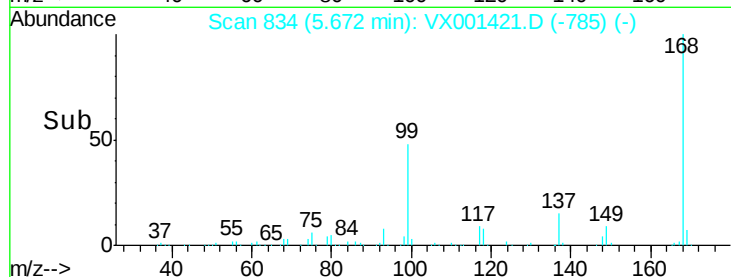
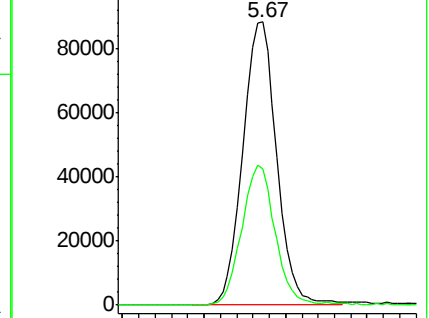
168 100

99 48.0 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001421.D

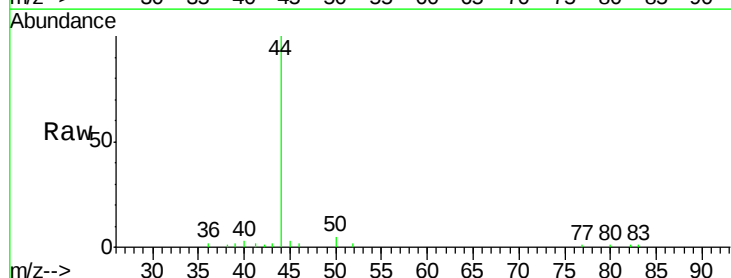
Acq: 05 May 2018 16:34

Tgt Ion: 50 Resp: 701

Ion Ratio Lower Upper

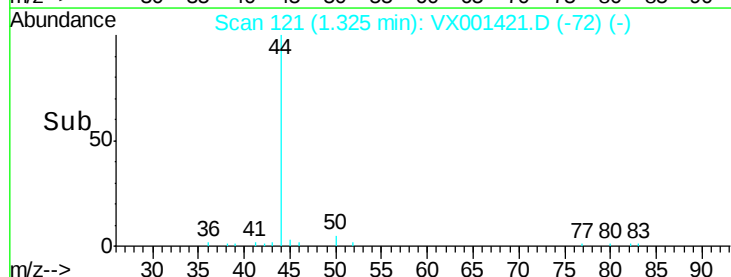
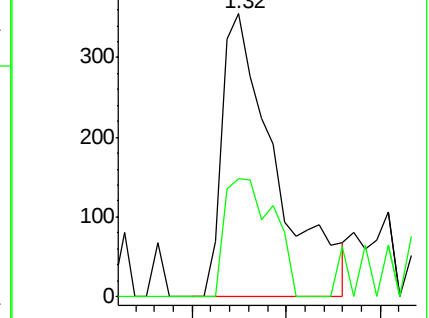
50 100

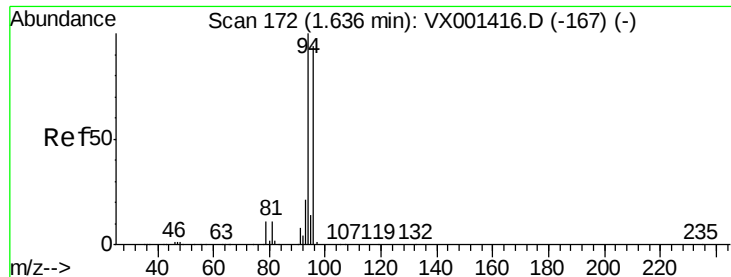
52 41.7 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

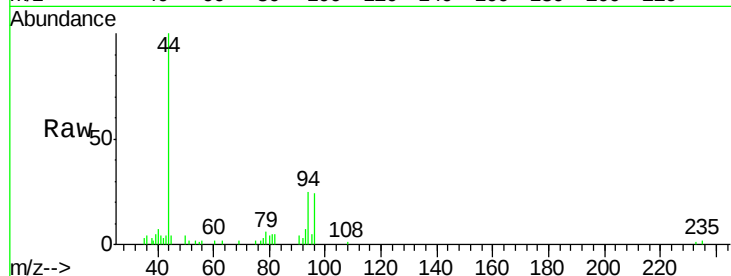
PB108891TB 5X

Tgt Ion: 94 Resp: 1920

Ion Ratio Lower Upper

94 100

96 95.0 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

400

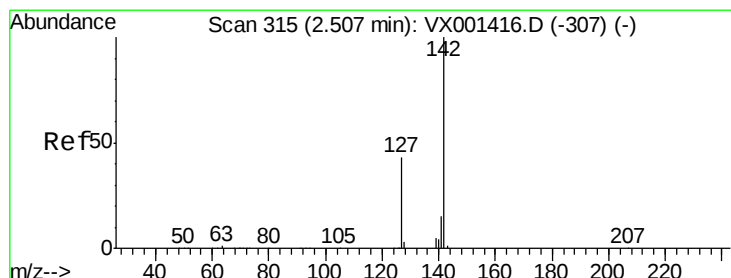
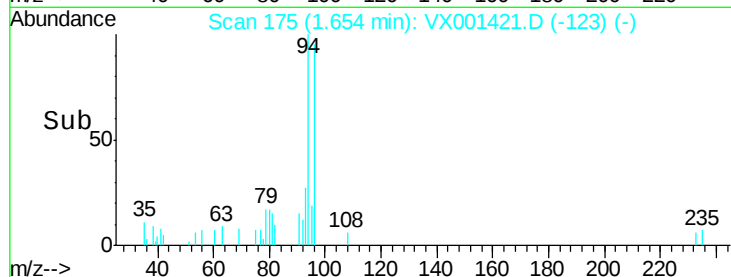
200

0

1.65

1.60 1.65 1.70 1.75

Time-->



#10

Methyl Iodide

Concen: 0.37 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

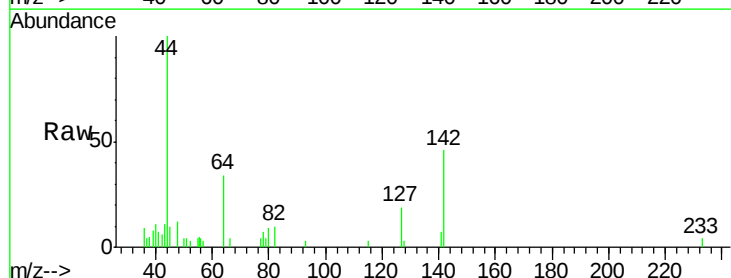
Tgt Ion: 142 Resp: 1640

Ion Ratio Lower Upper

142 100

127 39.5 33.6 50.4

141 15.1 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

1000

800

600

400

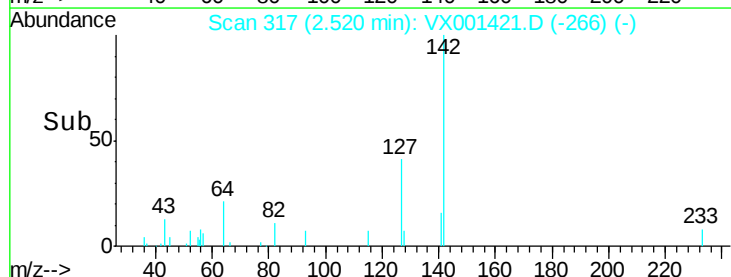
200

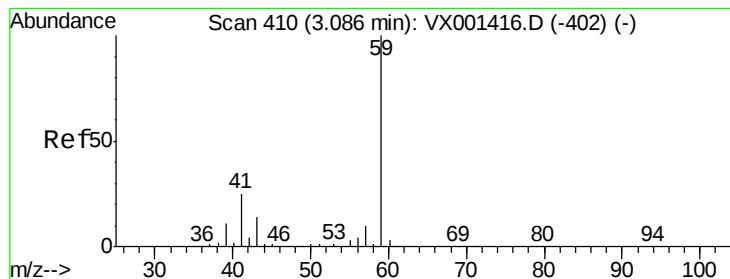
0

2.52

2.45 2.50 2.55 2.60

Time-->



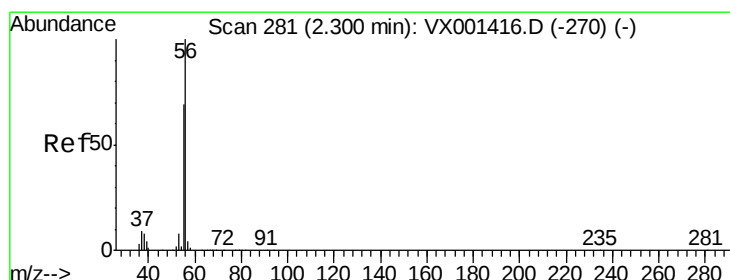
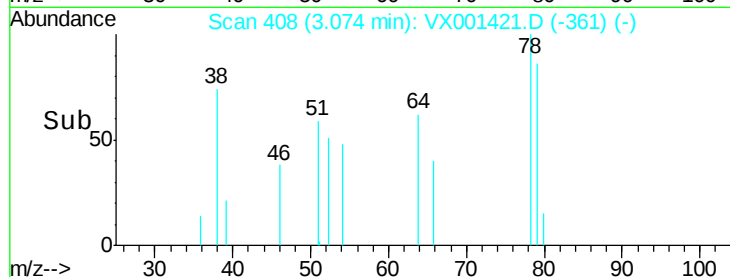
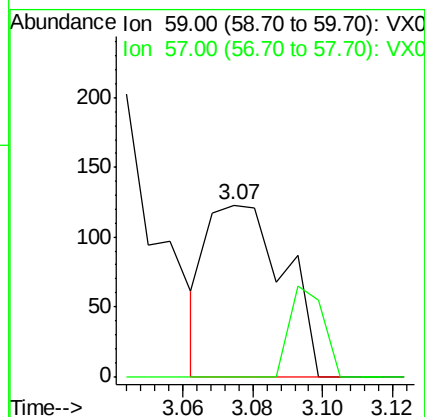
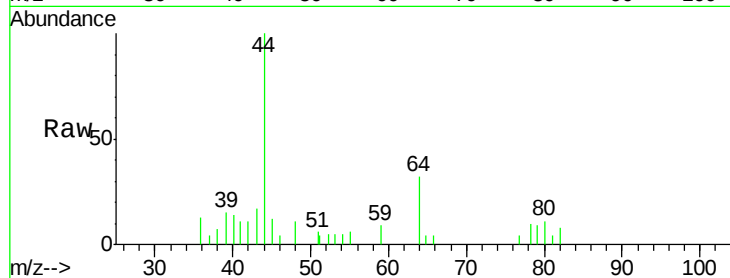


#11

Tert butyl alcohol
 Concen: 0.24 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001421.D
 Acq: 05 May 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108891TB 5X

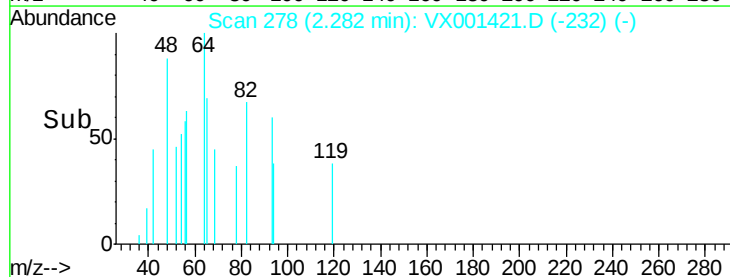
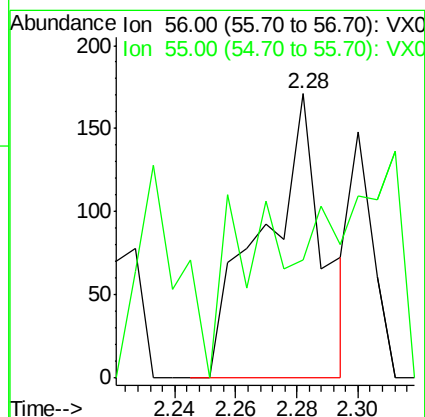
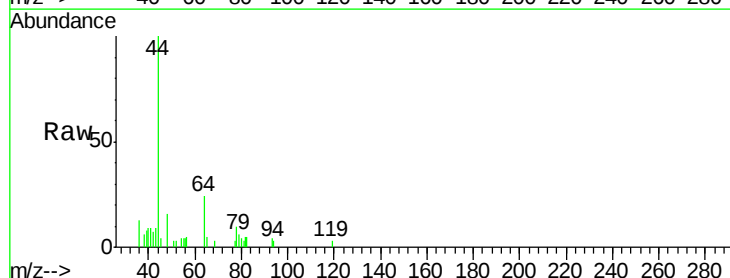
Tgt Ion: 59 Resp: 189
 Ion Ratio Lower Upper
 59 100
 57 23.3 8.2 12.4#

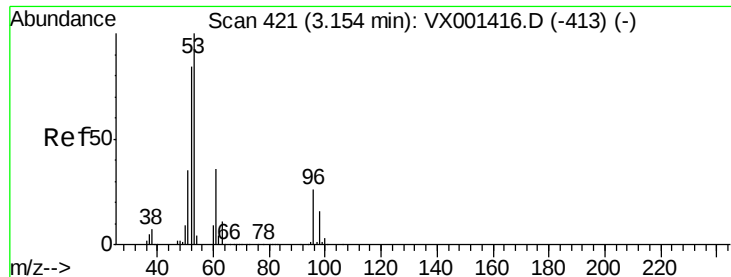


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 278
 Delta R.T. -0.02 min
 Lab File: VX001421.D
 Acq: 05 May 2018 16:34

Tgt Ion: 56 Resp: 231
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.5 81.7#





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

Instrument :

MSVOA_X

ClientSampled :

PB108891TB 5X

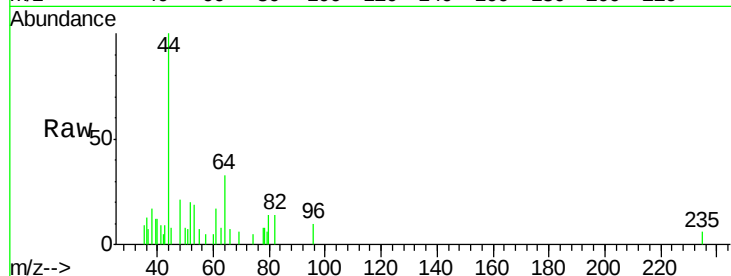
Tgt Ion: 53 Resp: 442

Ion Ratio Lower Upper

53 100

52 106.6 66.2 99.2#

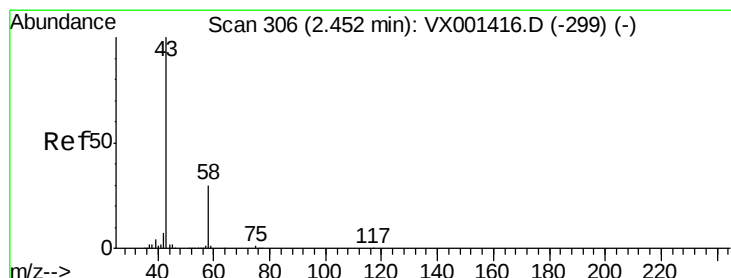
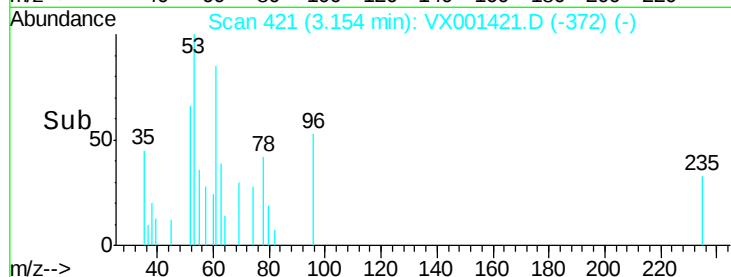
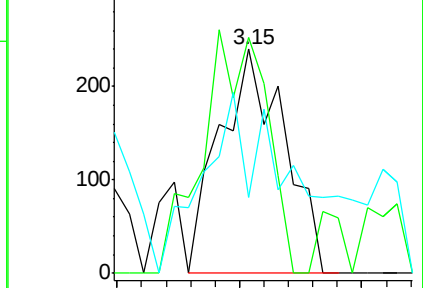
51 112.2 28.6 43.0#



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



#16

Acetone

Concen: 3.09 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001421.D

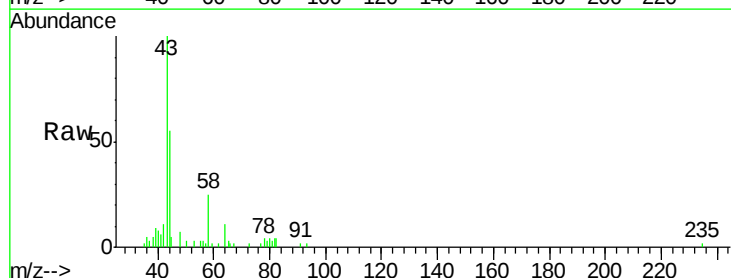
Acq: 05 May 2018 16:34

Tgt Ion: 43 Resp: 5138

Ion Ratio Lower Upper

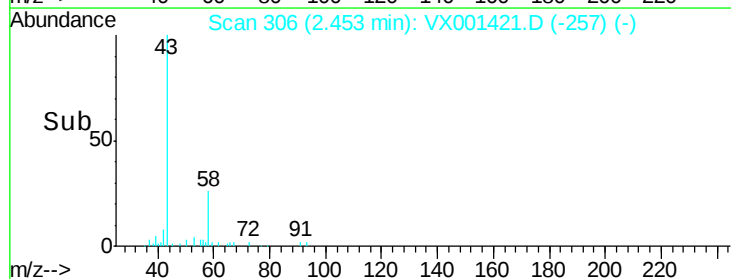
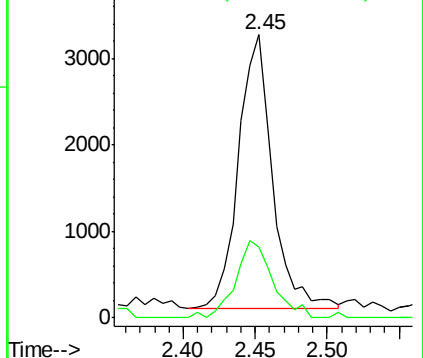
43 100

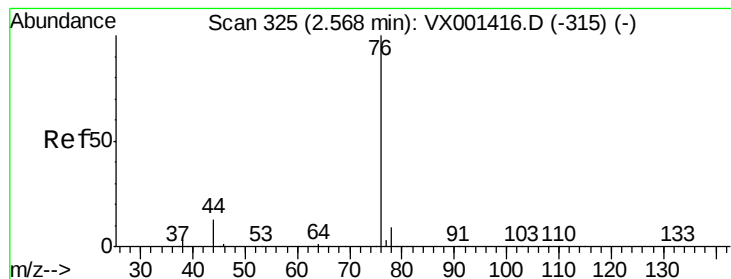
58 25.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

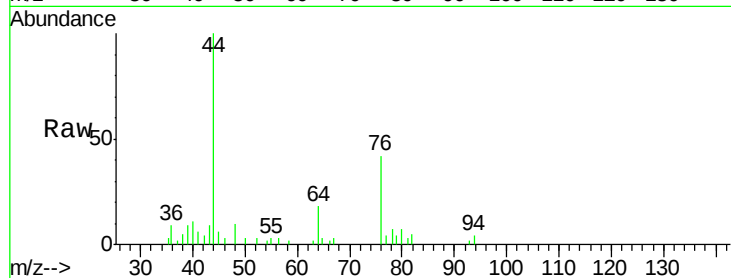
PB108891TB 5X

Tgt Ion: 76 Resp: 1897

Ion Ratio Lower Upper

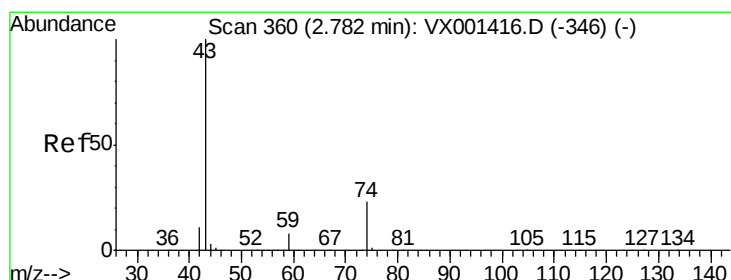
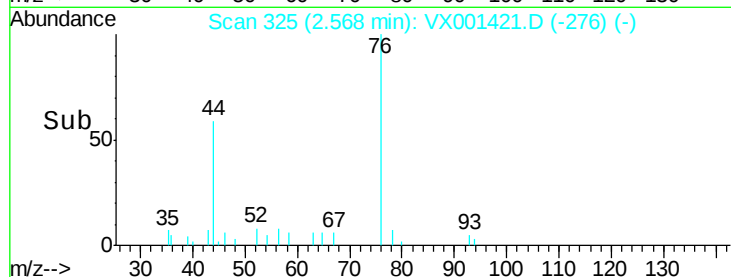
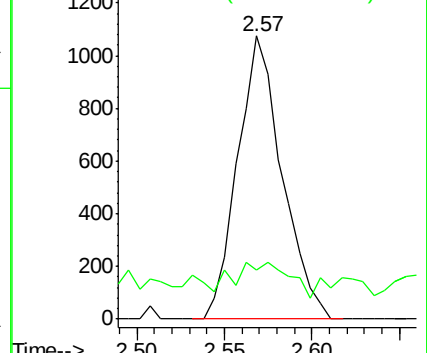
76 100

78 3.1 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.65 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001421.D

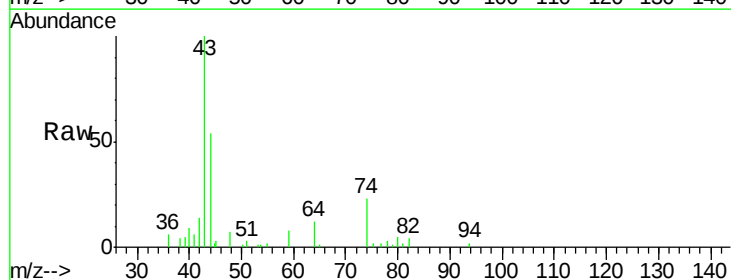
Acq: 05 May 2018 16:34

Tgt Ion: 43 Resp: 7202

Ion Ratio Lower Upper

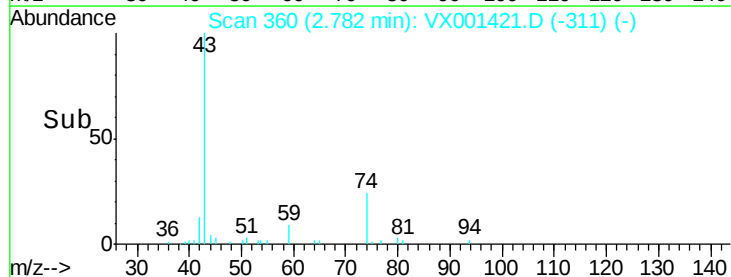
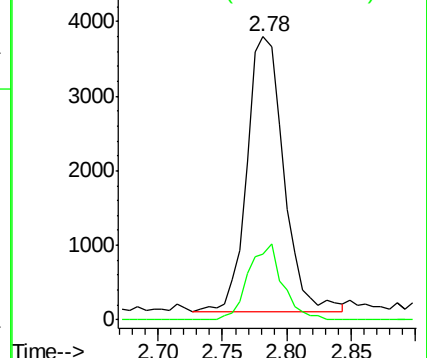
43 100

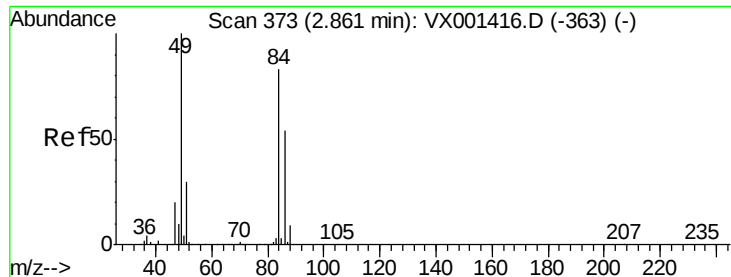
74 25.9 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

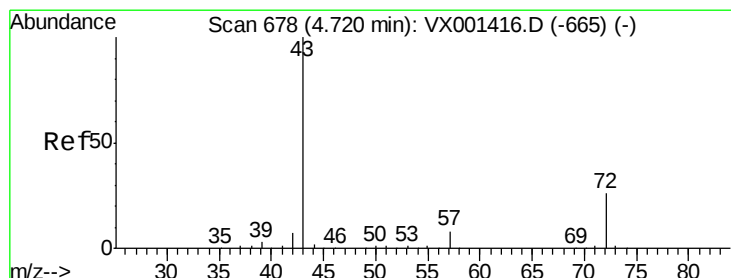
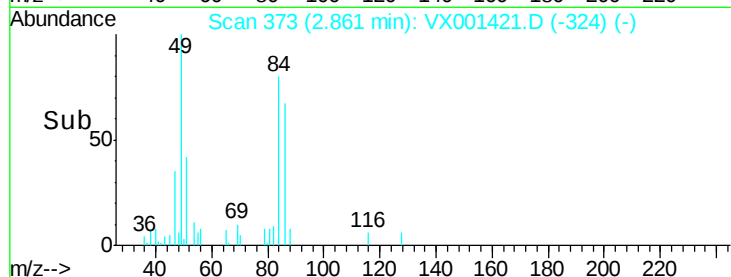
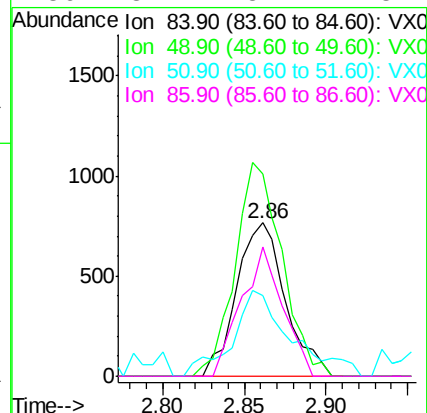
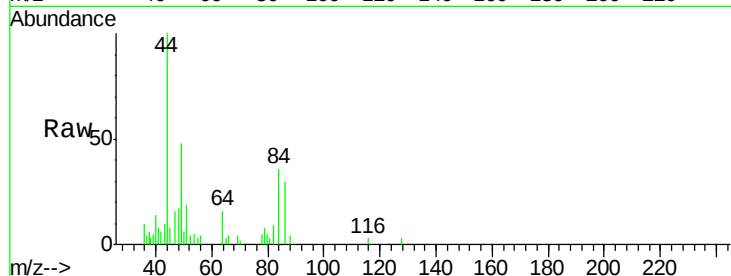




#20
Methylene Chloride
Concen: 0.48 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001421.D
Acq: 05 May 2018 16:34

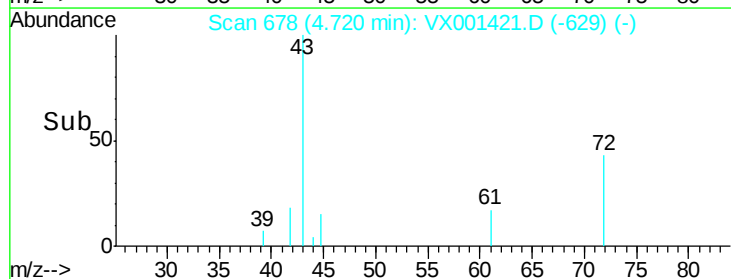
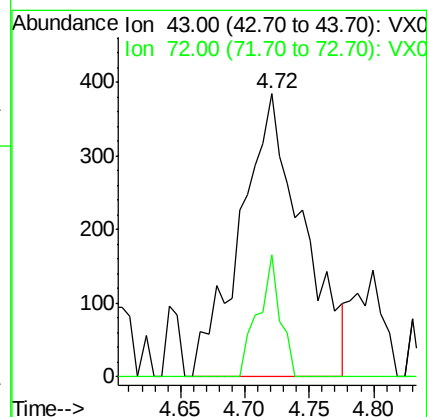
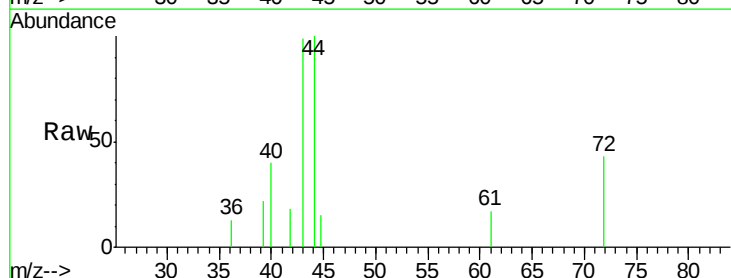
Instrument :
MSVOA_X
ClientSampleId :
PB108891TB 5X

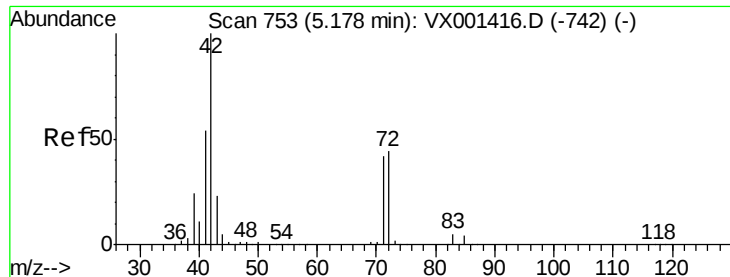
Tgt Ion: 84 Resp: 1595
Ion Ratio Lower Upper
84 100
49 131.9 96.6 144.8
51 44.6 29.0 43.4#
86 84.1 52.2 78.4#



#25
2-Butanone
Concen: 0.54 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.00 min
Lab File: VX001421.D
Acq: 05 May 2018 16:34

Tgt Ion: 43 Resp: 1292
Ion Ratio Lower Upper
43 100
72 43.2 20.7 31.1#





#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

PB108891TB 5X

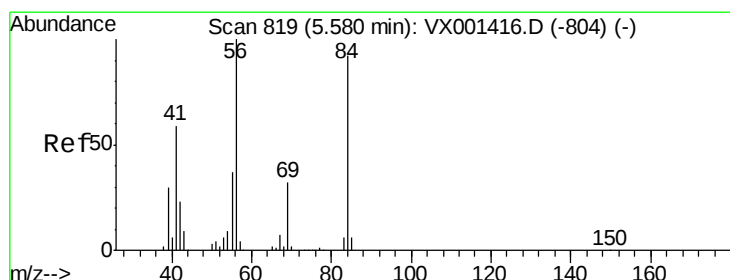
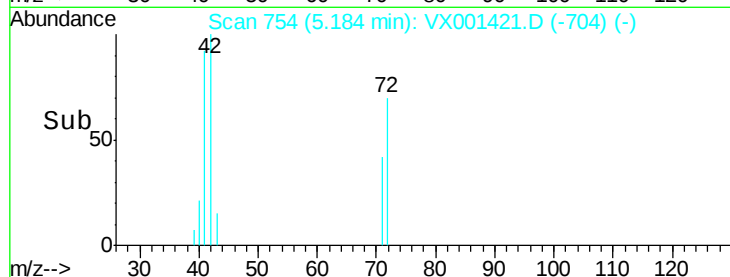
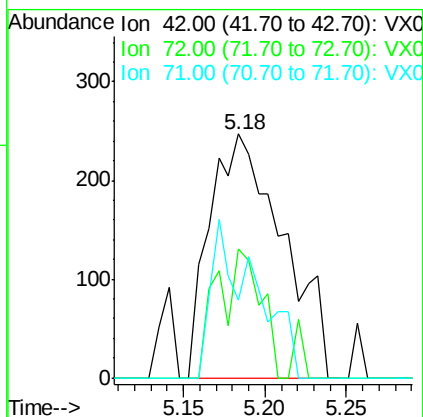
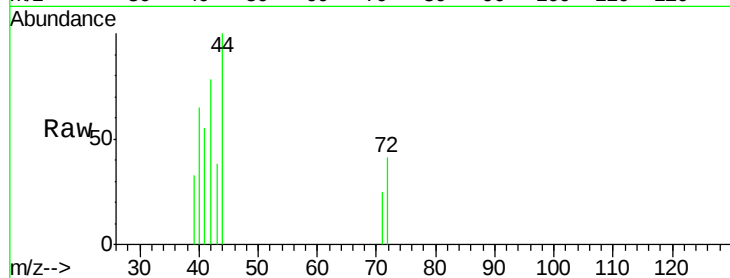
Tgt Ion: 42 Resp: 770

Ion Ratio Lower Upper

42 100

72 19.4 35.4 53.2#

71 0.0 33.0 49.4#



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

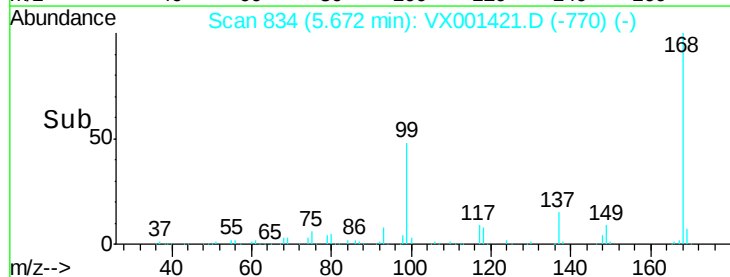
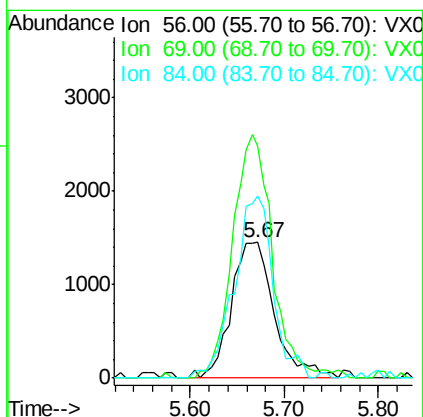
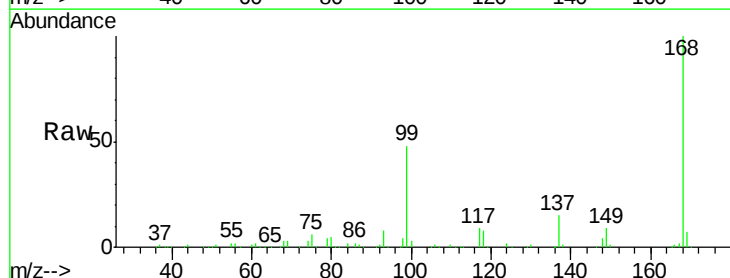
Tgt Ion: 56 Resp: 4647

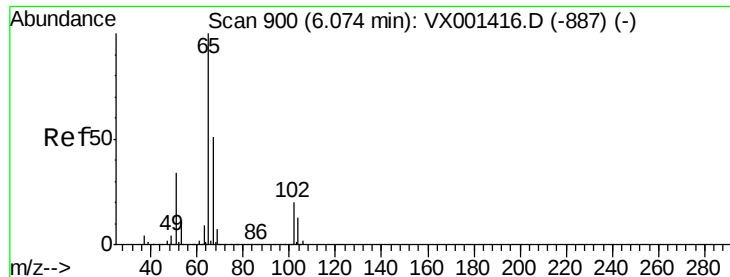
Ion Ratio Lower Upper

56 100

69 171.3 25.4 38.0#

84 134.5 73.8 110.8#





#33

1,2-Dichloroethane-d4

Concen: 45.84 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

Instrument :

MSVOA_X

ClientSampled :

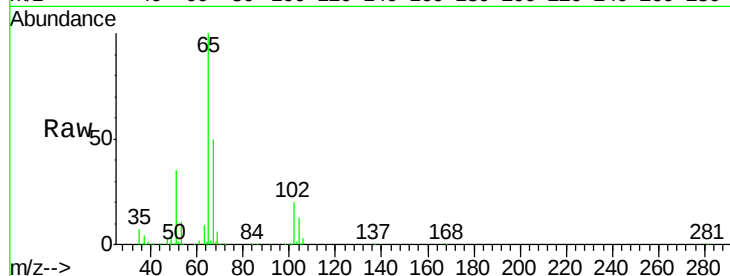
PB108891TB 5X

Tgt Ion: 65 Resp: 168019

Ion Ratio Lower Upper

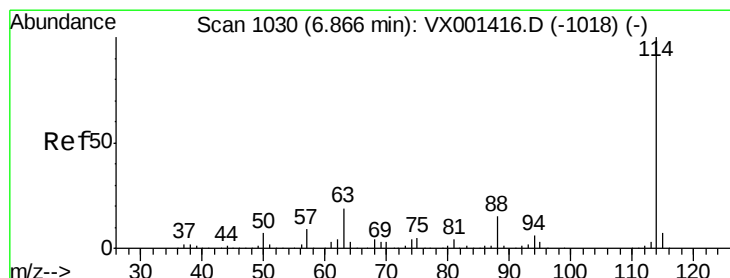
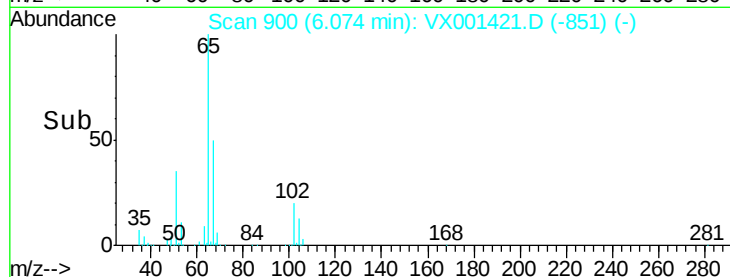
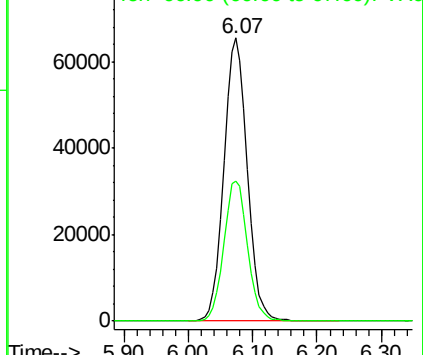
65 100

67 50.1 0.0 101.8



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: VX001421.D

Acq: 05 May 2018 16:34

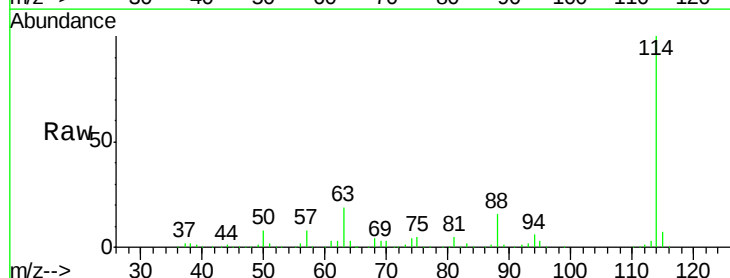
Tgt Ion: 114 Resp: 354663

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

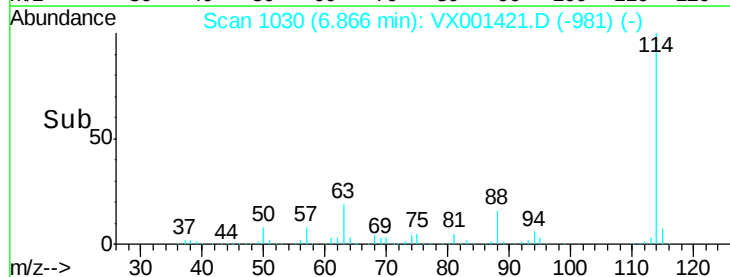
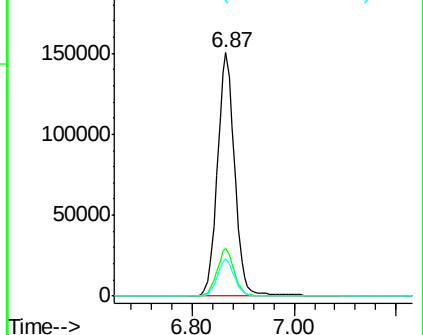
88 15.6 0.0 30.8

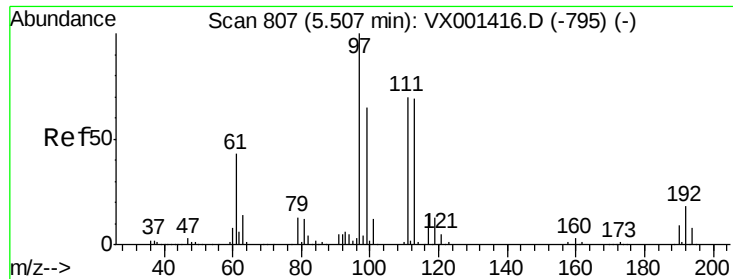


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 40.95 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

PB108891TB 5X

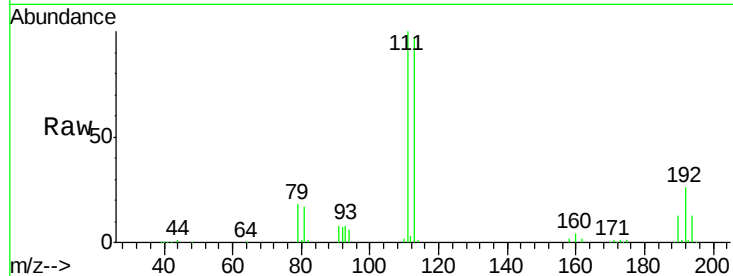
Tgt Ion:113 Resp: 129186

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.2

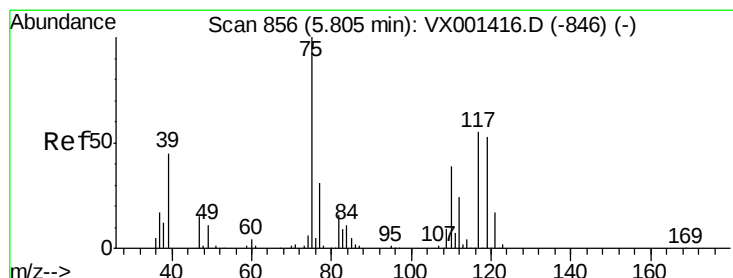
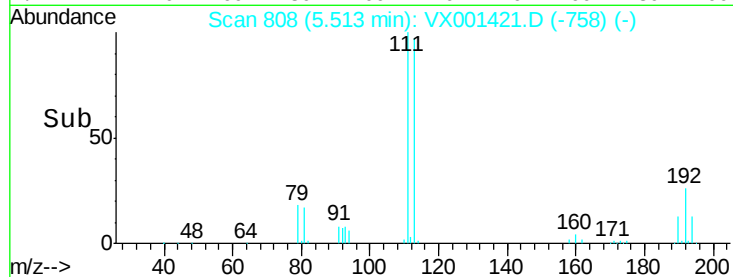
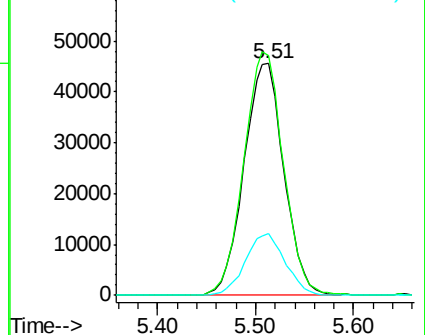
192 26.7 21.4 32.0



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: 3.49 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

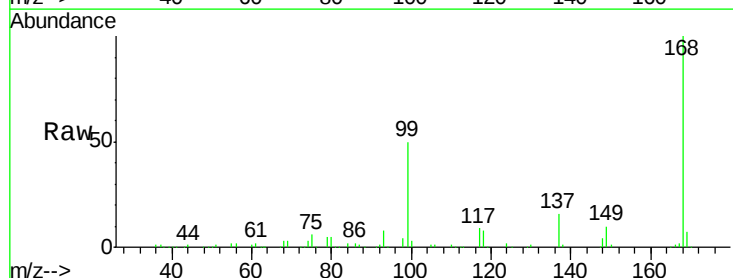
Tgt Ion: 75 Resp: 15742

Ion Ratio Lower Upper

75 100

110 10.1 18.9 56.7#

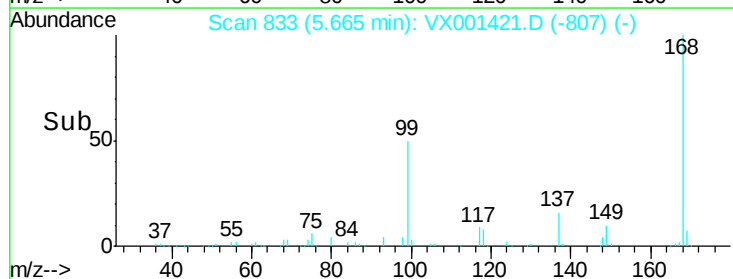
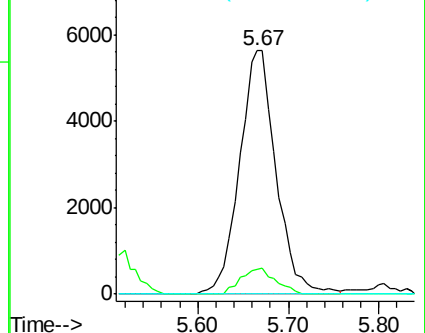
77 0.0 24.9 37.3#

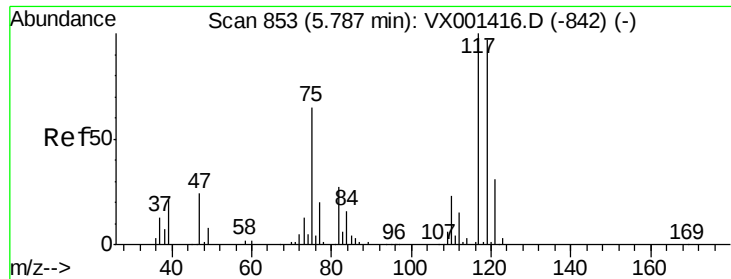


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

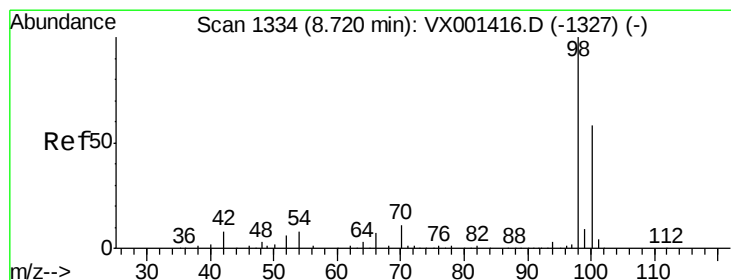
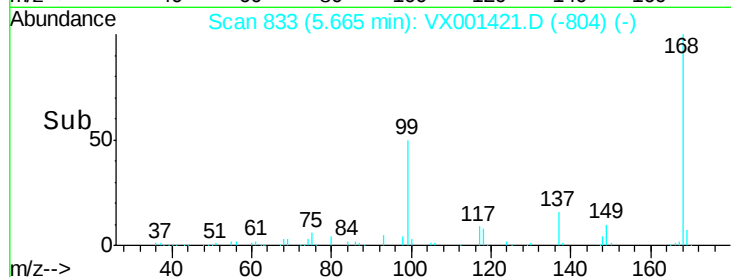
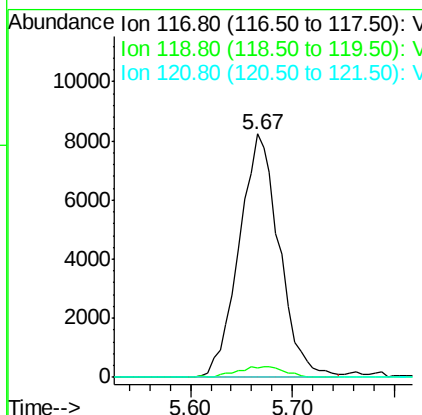
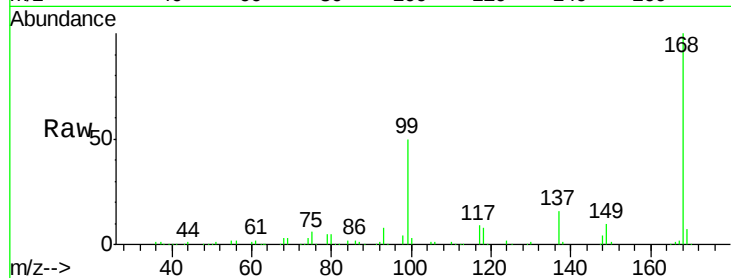




#38
Carbon Tetrachloride
Concen: 4.68 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001421.D
Acq: 05 May 2018 16:34

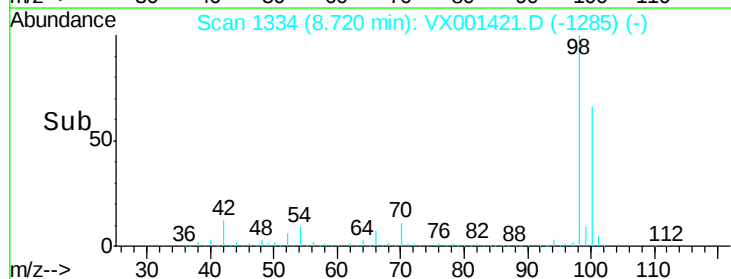
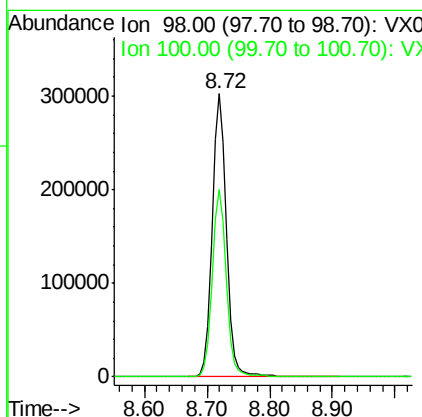
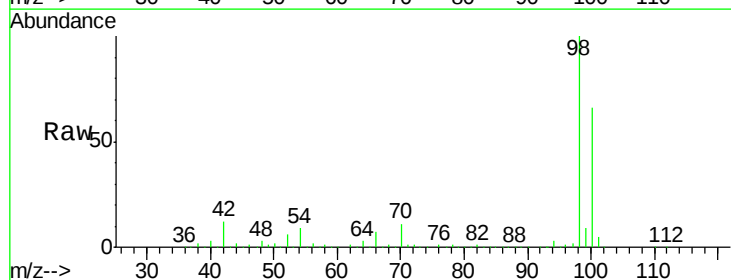
Instrument :
MSVOA_X
ClientSampled :
PB108891TB 5X

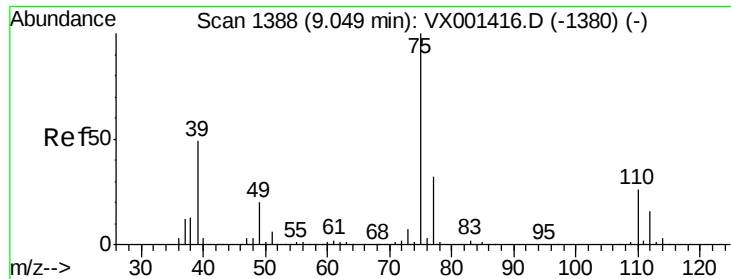
Tgt Ion: 117 Resp: 22529
Ion Ratio Lower Upper
117 100
119 3.7 77.0 115.6#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 41.13 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001421.D
Acq: 05 May 2018 16:34

Tgt Ion: 98 Resp: 473659
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0

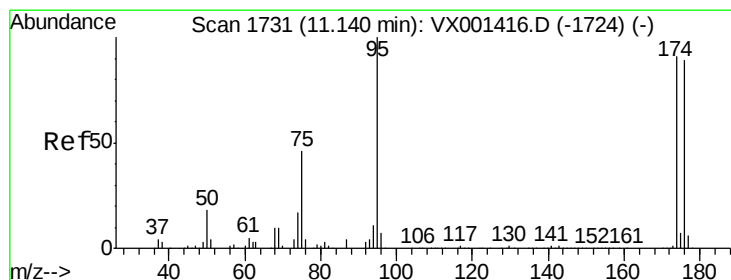
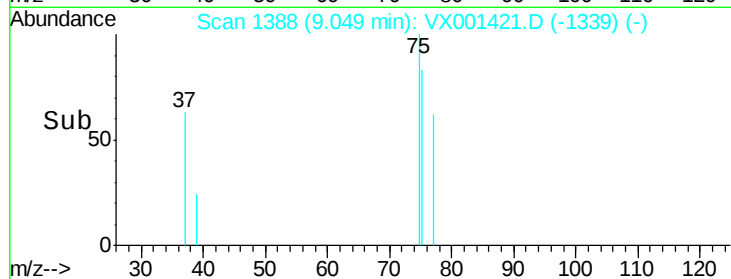
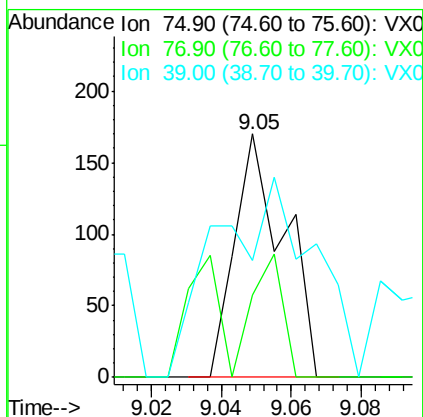
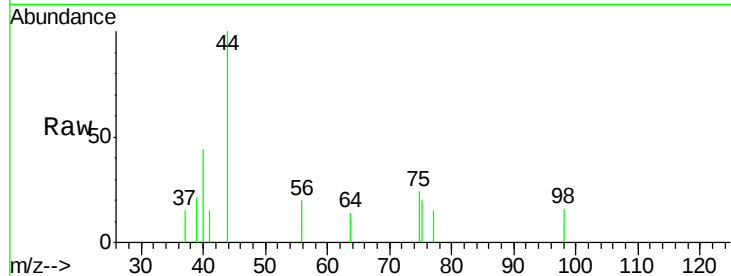




#54
 cis-1,3-Dichloropropene
 Concen: 2.29 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001421.D
 Acq: 05 May 2018 16:34

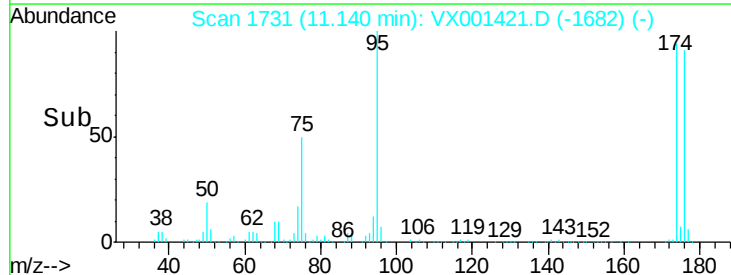
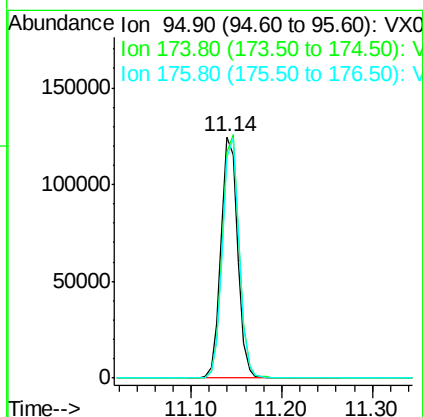
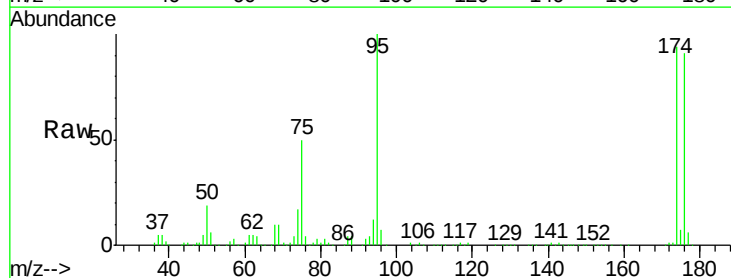
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108891TB 5X

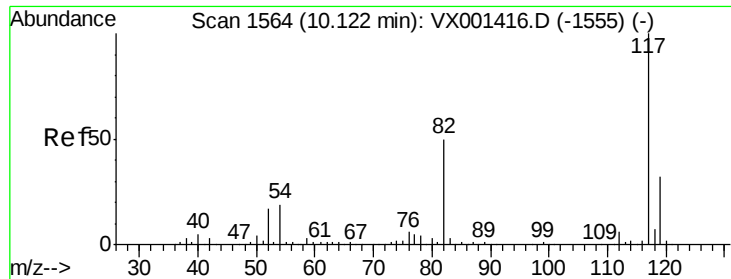
Tgt Ion: 75 Resp: 167
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.5 38.3
 39 17.6 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 36.30 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001421.D
 Acq: 05 May 2018 16:34

Tgt Ion: 95 Resp: 160481
 Ion Ratio Lower Upper
 95 100
 174 101.3 0.0 202.0
 176 98.6 0.0 197.4

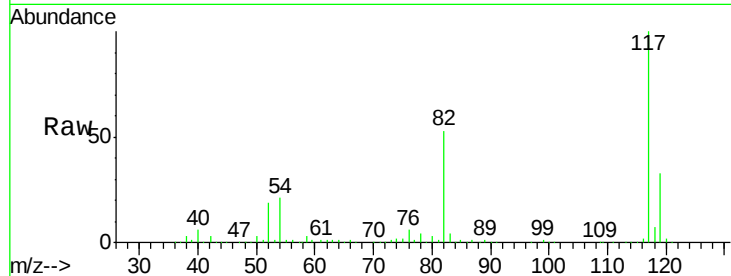




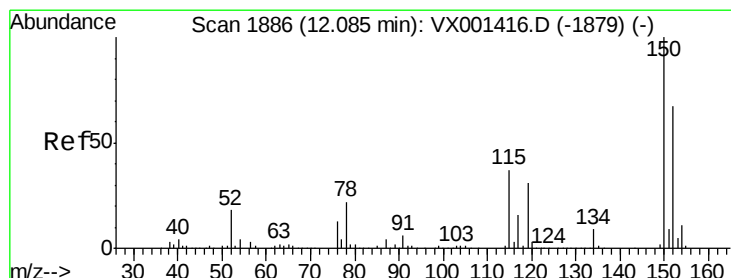
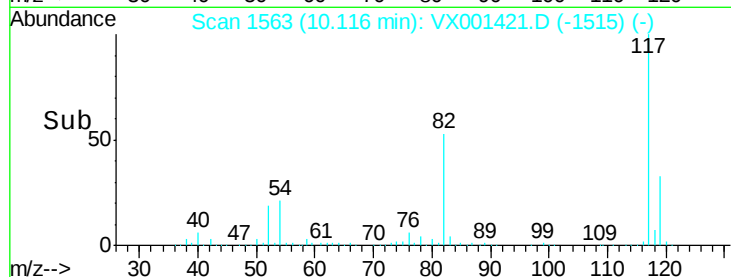
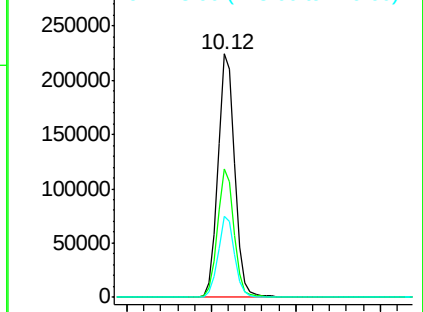
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001421.D
Acq: 05 May 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
PB108891TB 5X

Tgt Ion:117 Resp: 311233
Ion Ratio Lower Upper
117 100
82 52.8 40.0 60.0
119 33.1 25.8 38.8

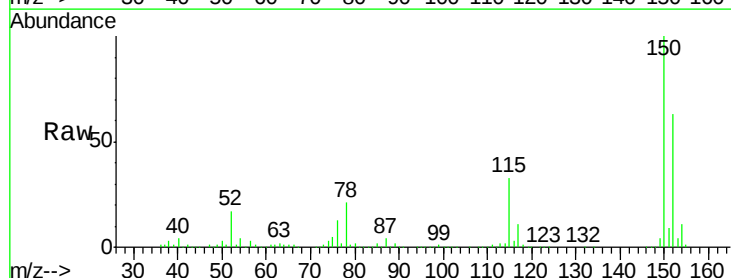


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

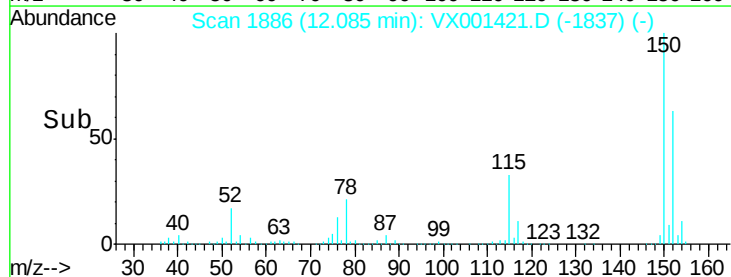
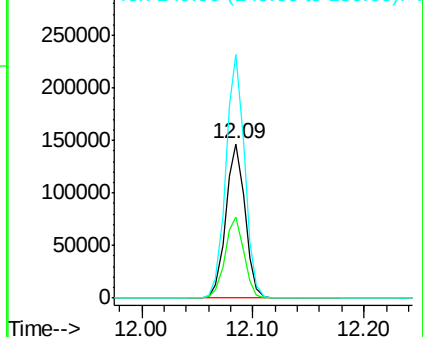


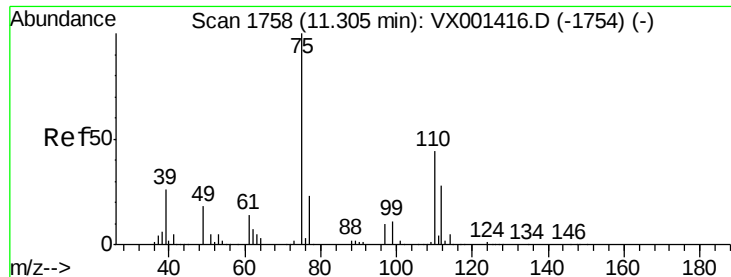
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001421.D
Acq: 05 May 2018 16:34

Tgt Ion:152 Resp: 173927
Ion Ratio Lower Upper
152 100
115 51.9 37.7 113.1
150 154.5 0.0 349.4



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: 22.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

Instrument :

MSVOA_X

ClientSampled :

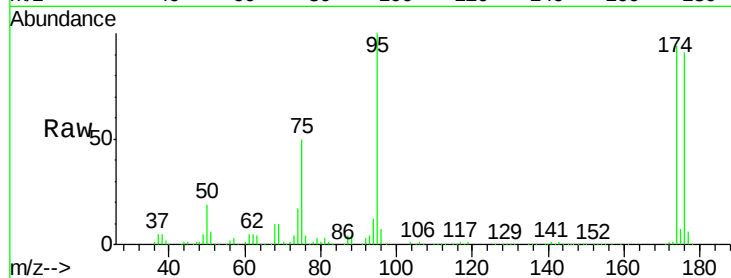
PB108891TB 5X

Tgt Ion: 75 Resp: 80263

Ion Ratio Lower Upper

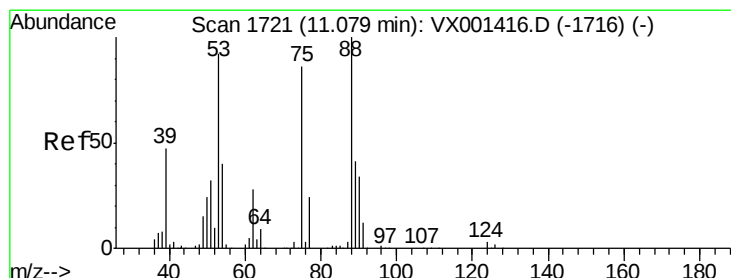
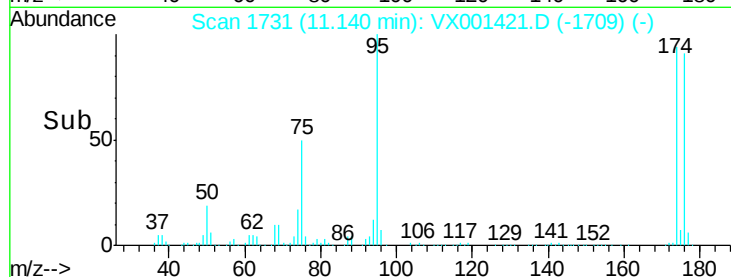
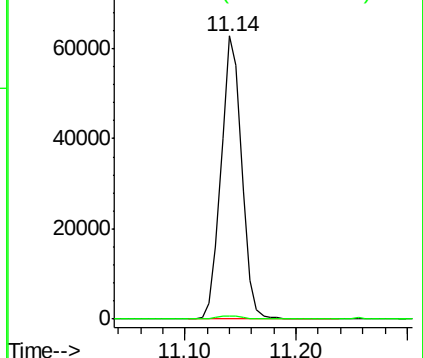
75 100

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: 70.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001421.D

Acq: 05 May 2018 16:34

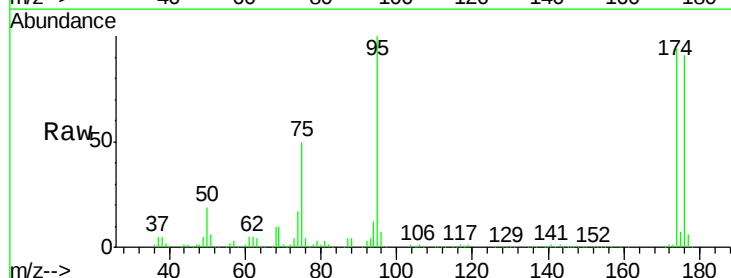
Tgt Ion: 75 Resp: 80263

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.1 39.5 59.3#



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

