

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002633.D
 Acq On : 16 Jun 2018 08:31
 Operator : JC/MD
 Sample : J3477-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 06:07:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	311210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151772	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	148844	44.20	ug/l	0.00
Spiked Amount			Recovery	=	88.40%	
35) Dibromofluoromethane	5.51	113	113995	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
50) Toluene-d8	8.72	98	445025	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	11.14	95	148721	41.62	ug/l	0.00
Spiked Amount			Recovery	=	83.24%	

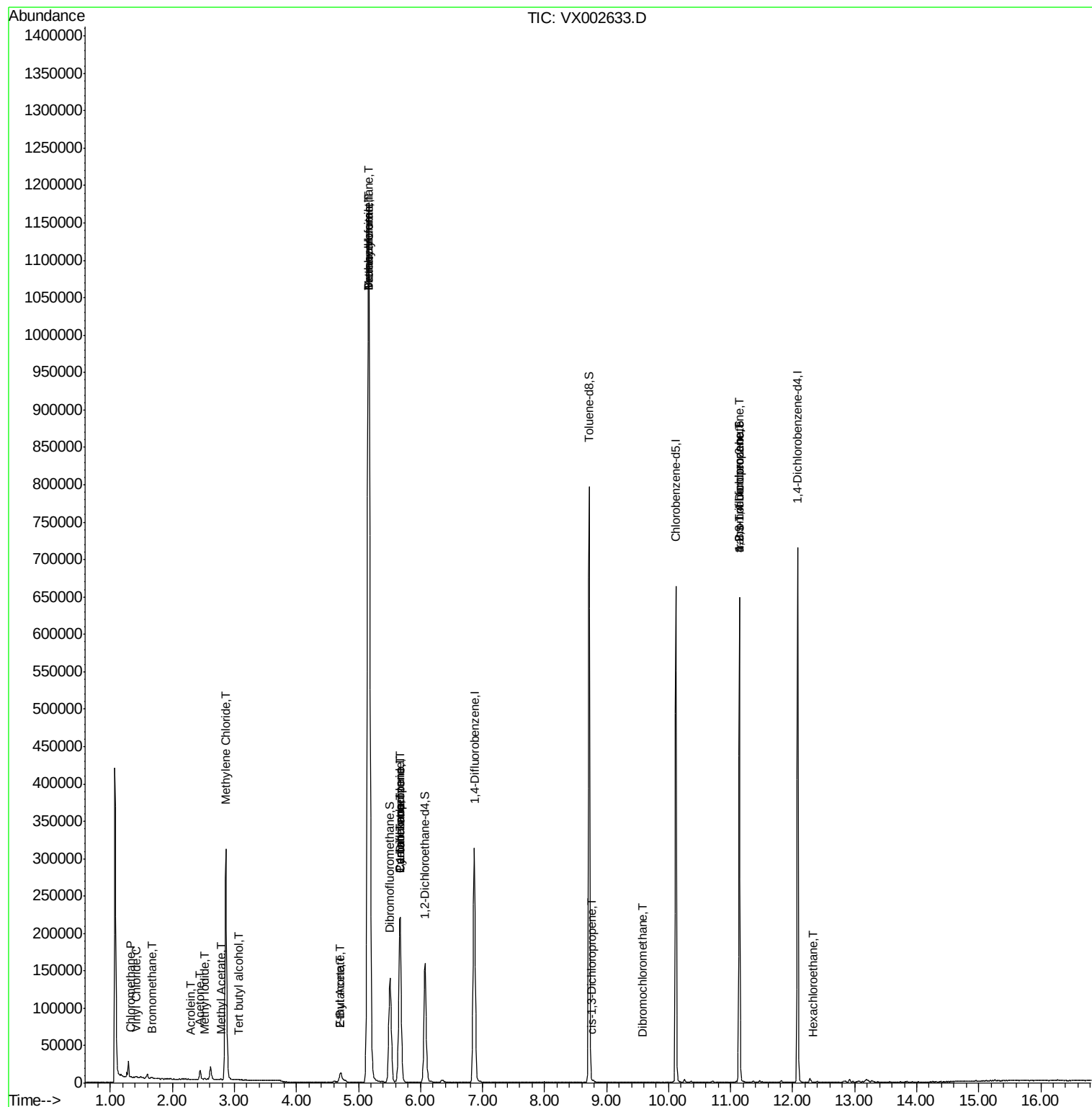
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	671	0.24	ug/l #	72
4) Vinyl Chloride	1.41	62	743	0.26	ug/l #	14
5) Bromomethane	1.67	94	1079	0.62	ug/l #	74
10) Methyl Iodide	2.53	142	1162	5.47	ug/l #	89
11) Tert butyl alcohol	3.07	59	389	0.56	ug/l #	1
13) Acrolein	2.30	56	145	7.30	ug/l	93
16) Acetone	2.45	43	13572	9.14	ug/l	100
18) Methyl Acetate	2.78	43	879	0.22	ug/l	94
20) Methylene Chloride	2.86	84	137637	45.18	ug/l	98
25) 2-Butanone	4.71	43	23924	12.26	ug/l	100
28) Bromochloromethane	5.17	49	2565	1.13	ug/l #	13
29) Tetrahydrofuran	5.17	42	1088887	851.59	ug/l	98
31) Cyclohexane	5.67	56	4819	1.21	ug/l #	7
36) 1,1-Dichloropropene	5.67	75	15300	4.63	ug/l #	51
37) Ethyl Acetate	4.71	43	23924	6.39	ug/l #	70
38) Carbon Tetrachloride	5.67	117	20676	6.28	ug/l #	16
41) Methacrylonitrile	5.17	41	629481	298.01	ug/l #	50
54) cis-1,3-Dichloropropene	8.76	75	22	3.22	ug/l #	32
60) Dibromochloromethane	9.58	129	78	3.79	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	79980	27.93	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	79980	86.07	ug/l #	6
90) Hexachloroethane	12.32	117	21	2.64	ug/l #	1

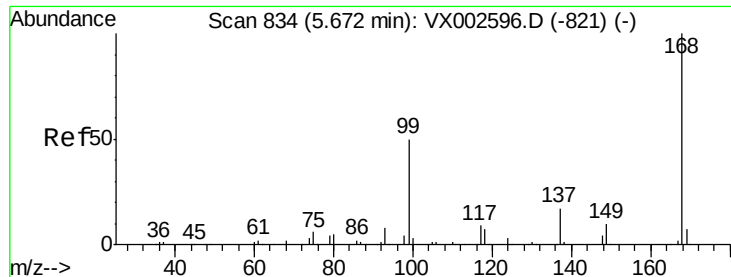
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 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: VX002633.D

Acq: 16 Jun 2018 08:31

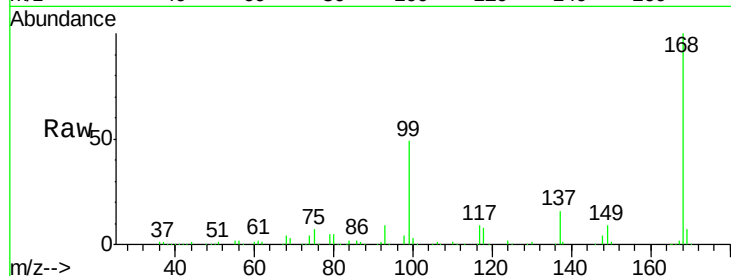
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 221589

Ion Ratio Lower Upper

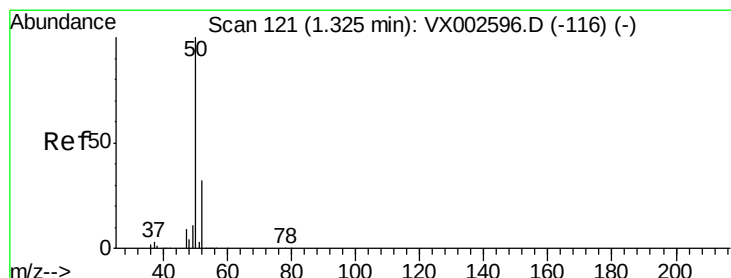
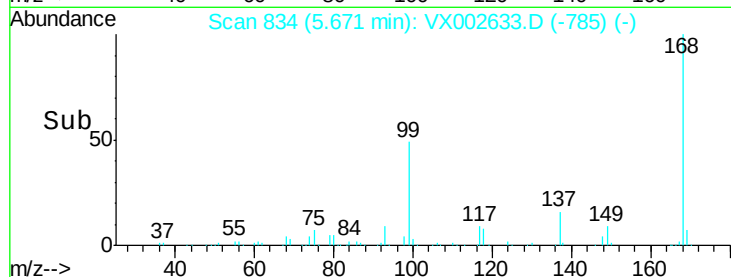
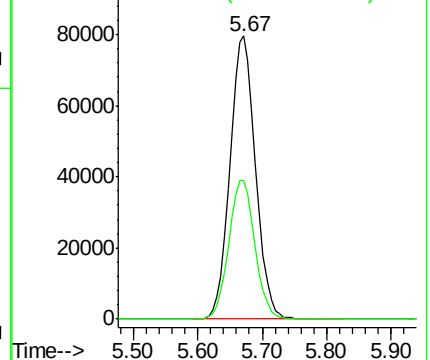
168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002633.D

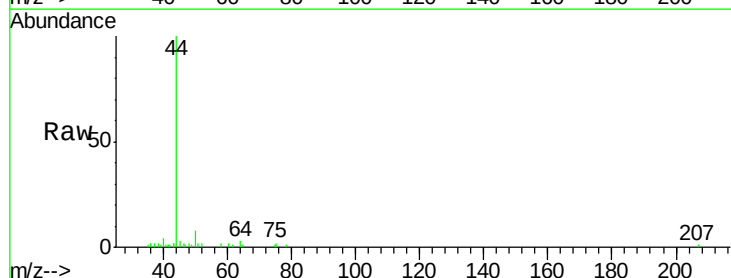
Acq: 16 Jun 2018 08:31

Tgt Ion: 50 Resp: 671

Ion Ratio Lower Upper

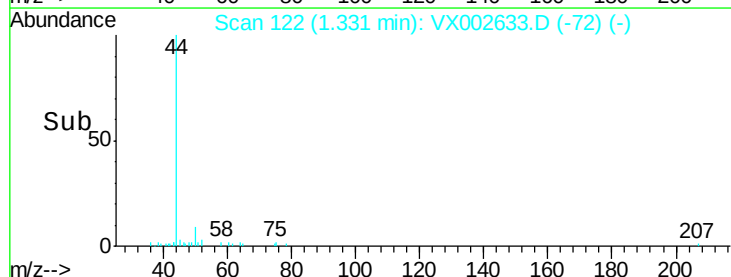
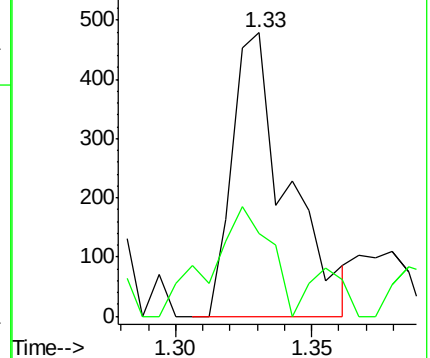
50 100

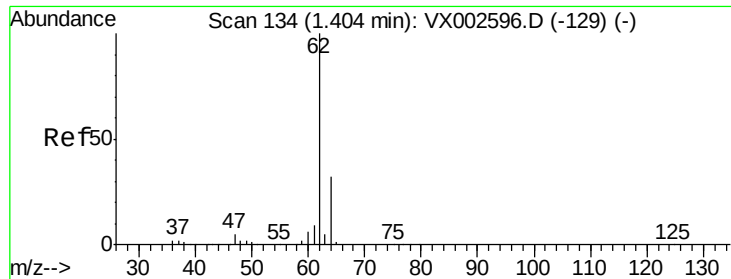
52 16.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.26 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

Instrument :

MSVOA_X

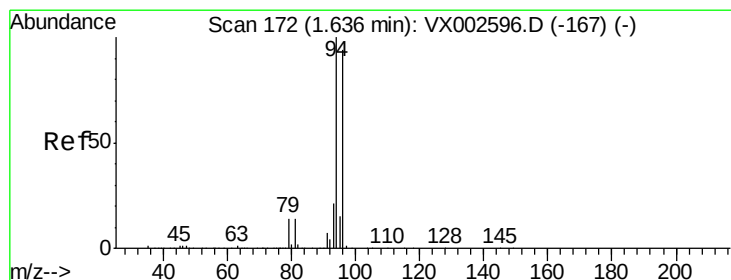
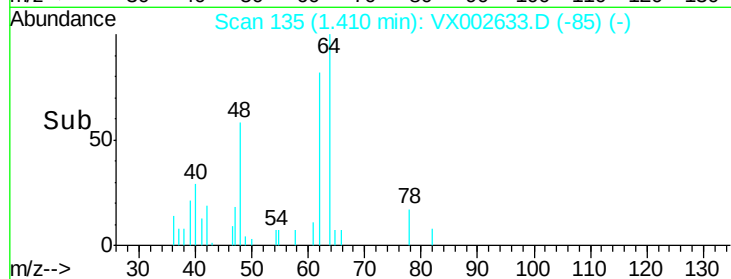
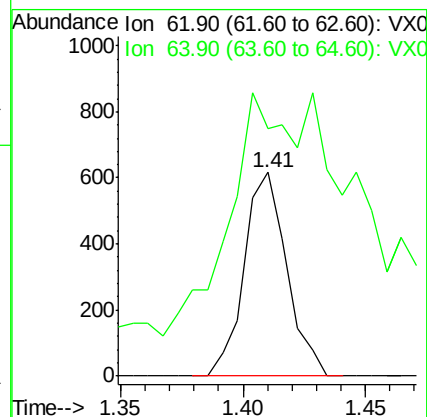
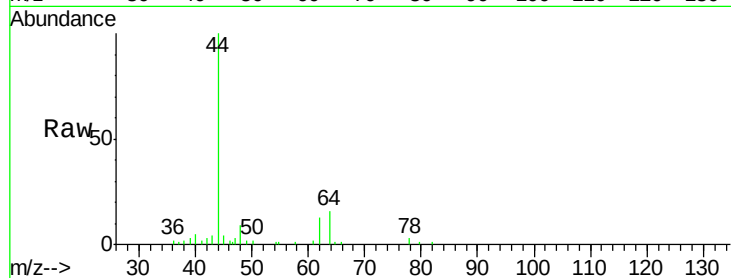
ClientSampled :

Tot Ion: 62 Resp: 743

Ion Ratio Lower Upper

62 100

64 79.5 25.4 38.2#



#5

Bromomethane

Concen: 0.62 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002633.D

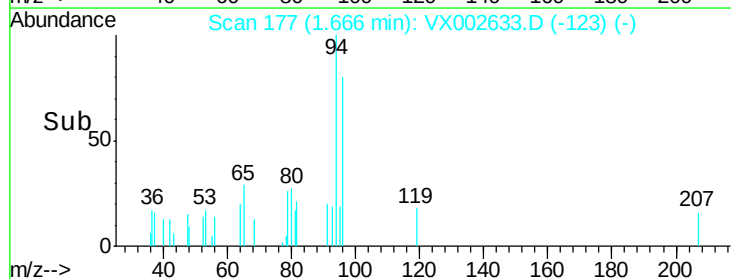
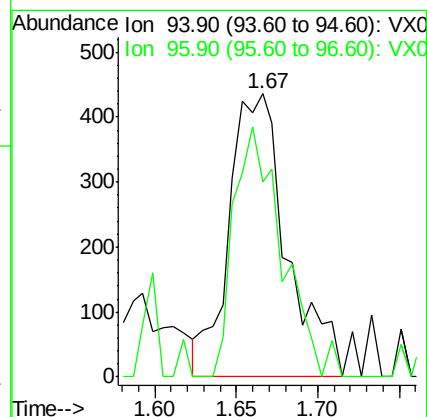
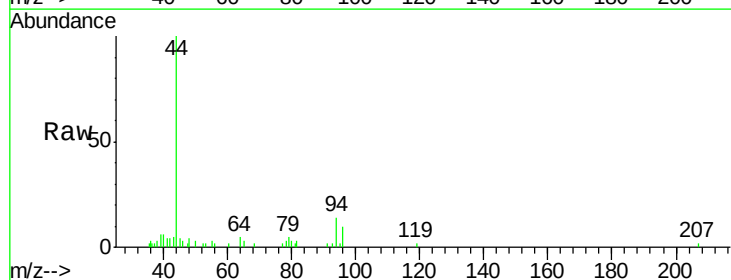
Acq: 16 Jun 2018 08:31

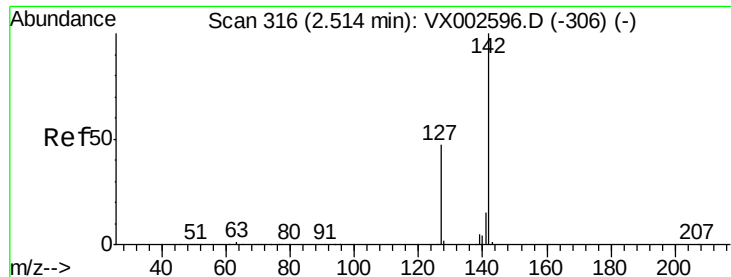
Tgt Ion: 94 Resp: 1079

Ion Ratio Lower Upper

94 100

96 68.8 74.9 112.3#

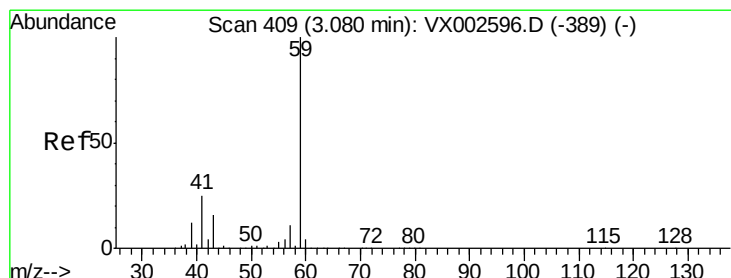
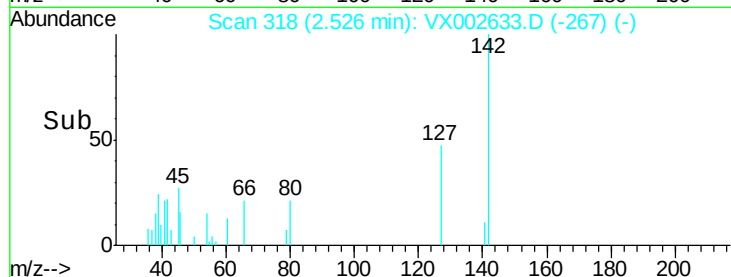
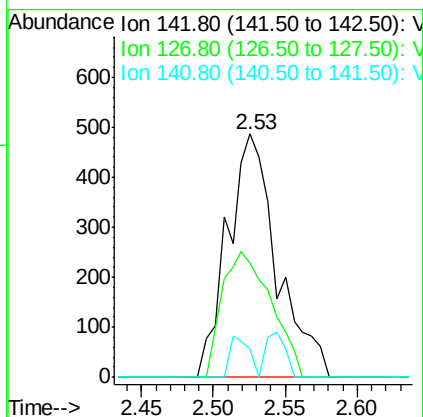
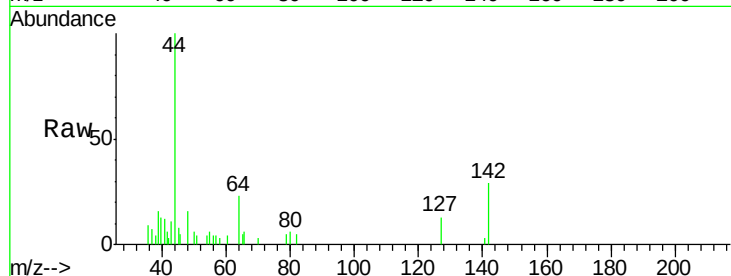




#10
Methvl Iodide
Concen: 5.47 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002633.D
Acq: 16 Jun 2018 08:31

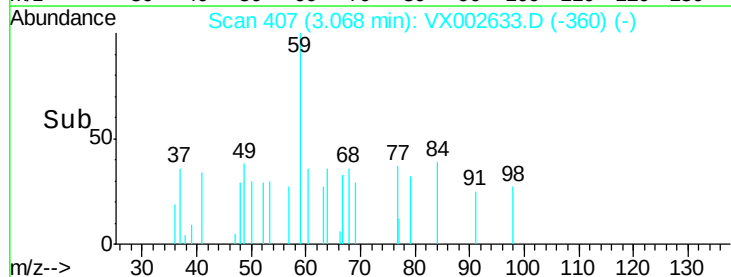
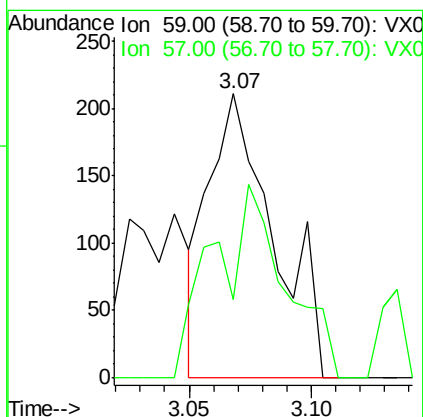
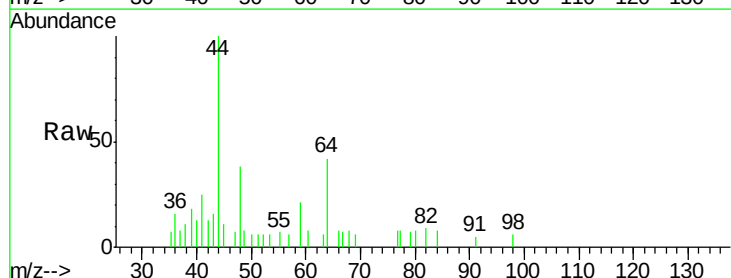
Instrument :
MSVOA_X
ClientSampled :

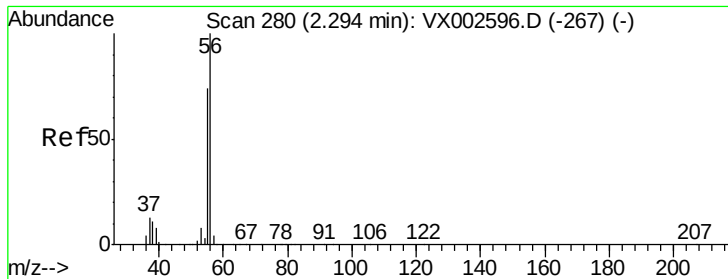
Tot Ion:142 Resp: 1162
Ion Ratio Lower Upper
142 100
127 51.2 36.6 55.0
141 6.6 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.56 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002633.D
Acq: 16 Jun 2018 08:31

Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 75.1 8.2 12.2#





#13

Acrolein

Concen: 7.30 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

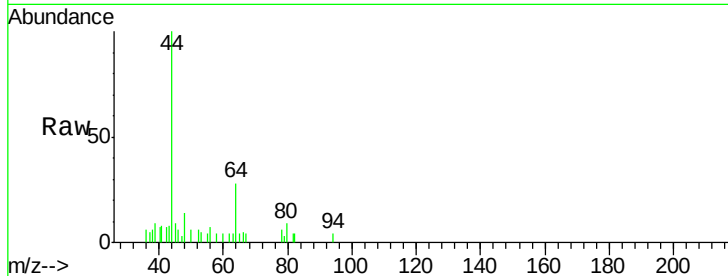
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 145

Ion Ratio Lower Upper

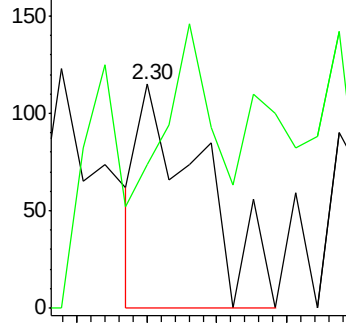
56 100

55 65.5 57.0 85.4

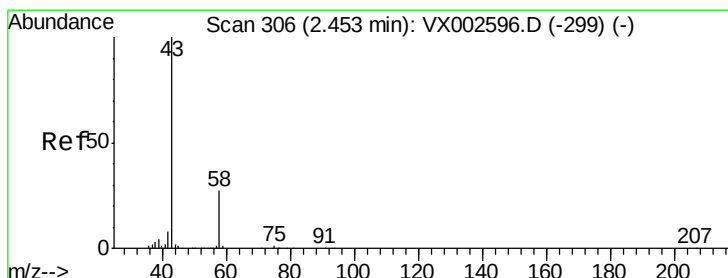
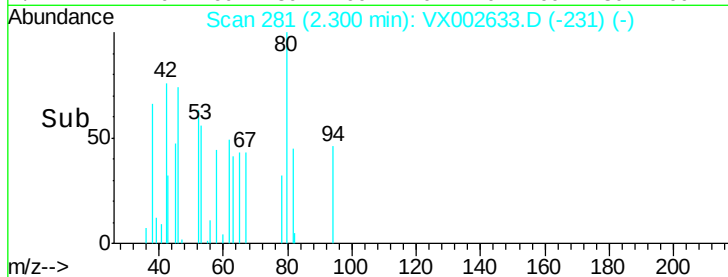


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 9.14 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002633.D

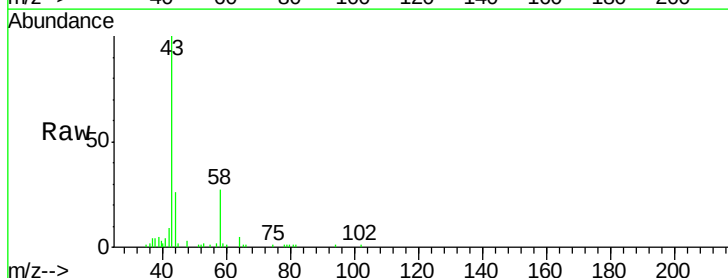
Acq: 16 Jun 2018 08:31

Tgt Ion: 43 Resp: 13572

Ion Ratio Lower Upper

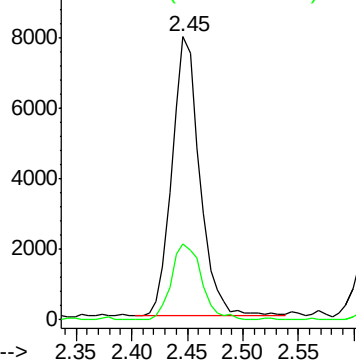
43 100

58 27.4 22.1 33.1

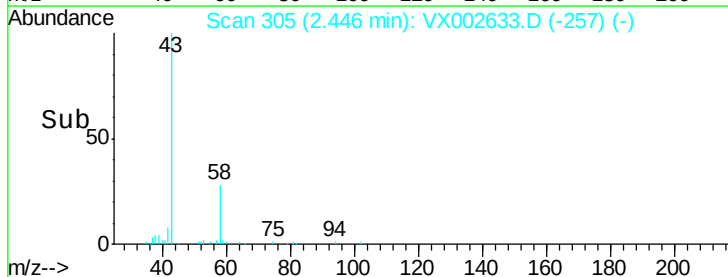


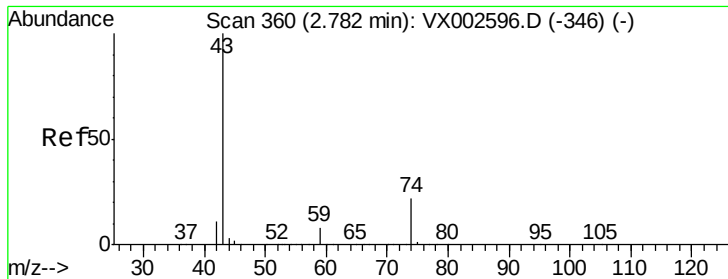
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#18

Methyl Acetate

Concen: 0.22 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

Instrument :

MSVOA_X

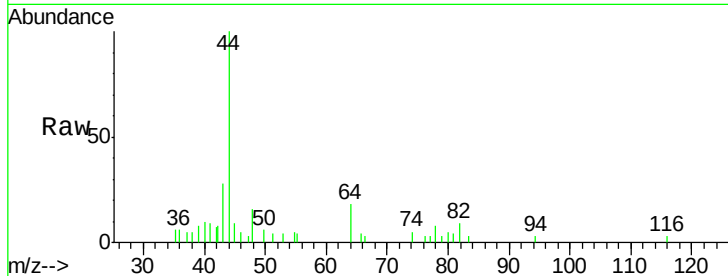
ClientSampleId :

Tot Ion: 43 Resp: 879

Ion Ratio Lower Upper

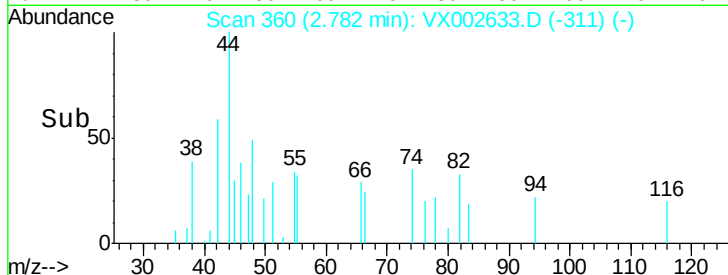
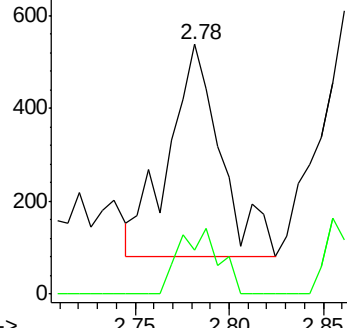
43 100

74 23.8 16.7 25.1

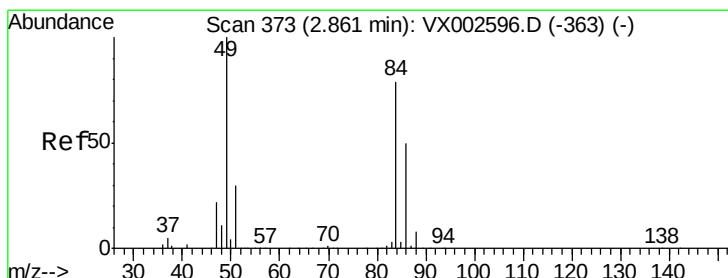


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->



#20

Methylene Chloride

Concen: 45.18 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

Tgt Ion: 84 Resp: 137637

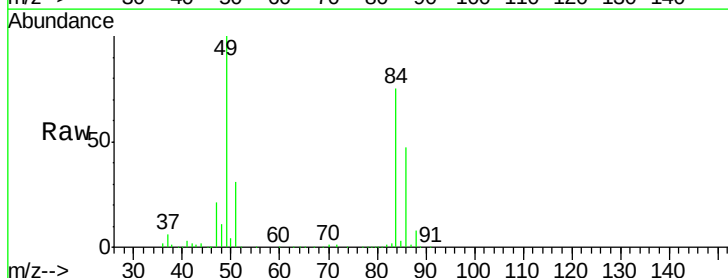
Ion Ratio Lower Upper

84 100

49 132.7 107.8 161.6

51 40.6 32.8 49.2

86 62.5 52.5 78.7

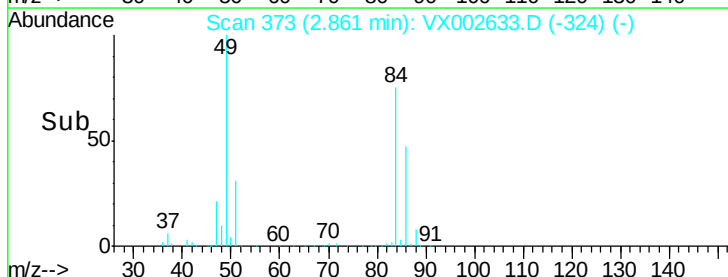
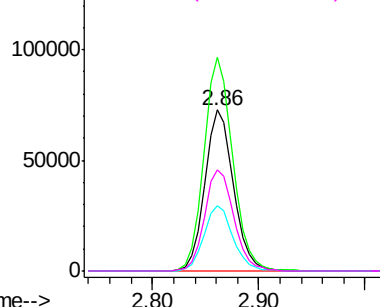


Abundance Ion 83.90 (83.60 to 84.60): VX0

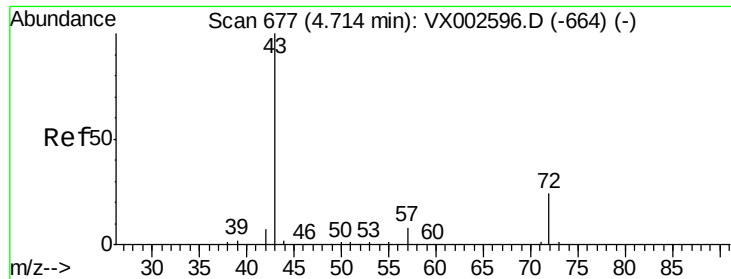
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#25

2-Butanone

Concen: 12.26 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

Instrument :

MSVOA_X

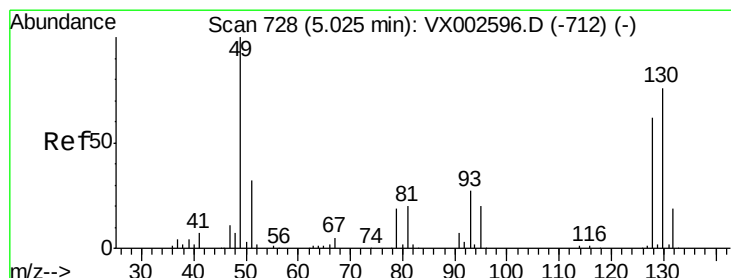
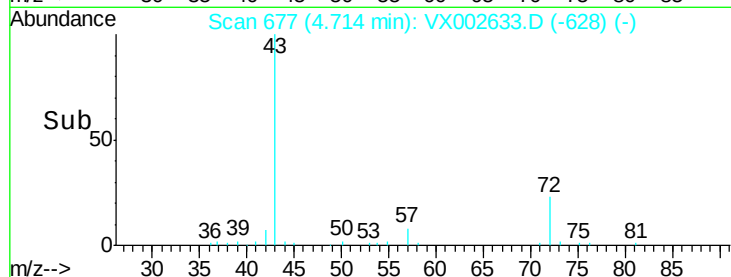
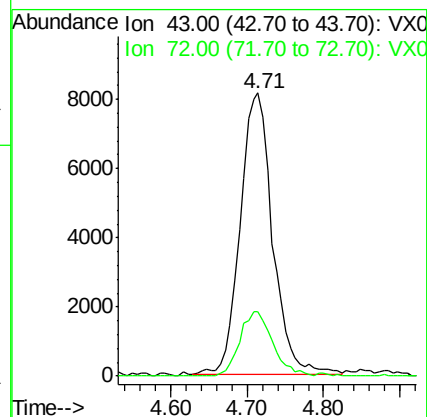
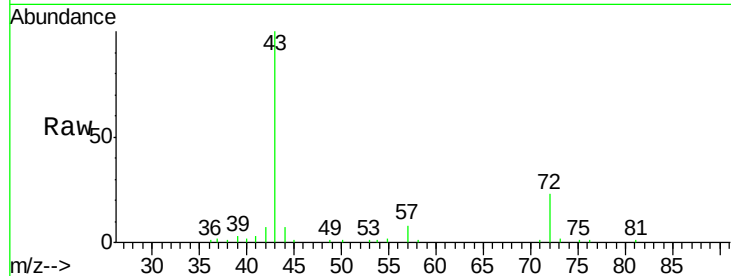
ClientSampleId :

Tot Ion: 43 Resp: 23924

Ion Ratio Lower Upper

43 100

72 22.9 18.5 27.7



#28

Bromochloromethane

Concen: 1.13 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.14 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

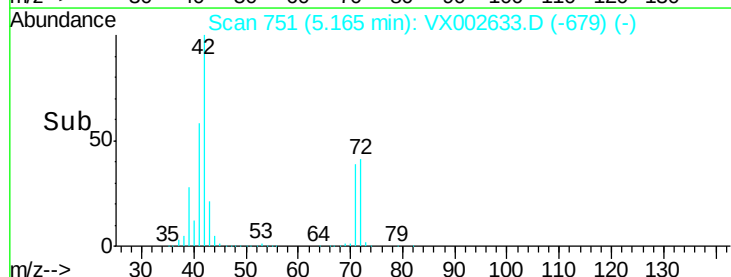
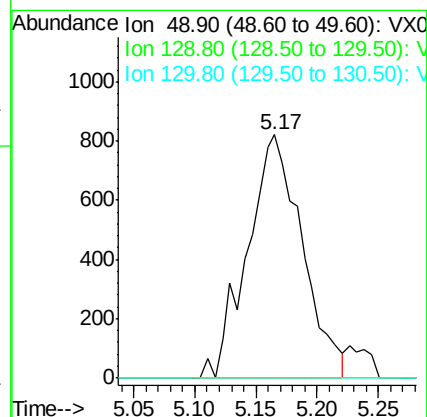
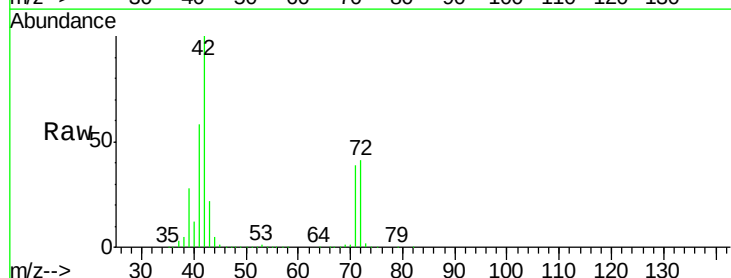
Tgt Ion: 49 Resp: 2565

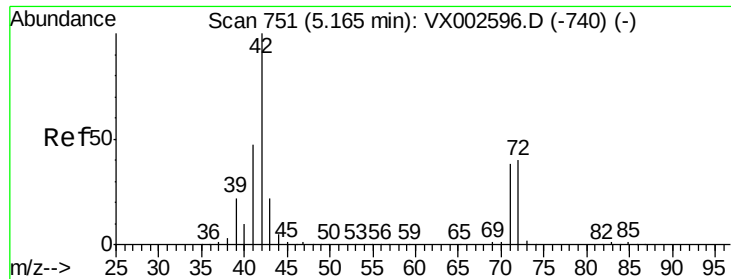
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 0.0 61.2 91.8#

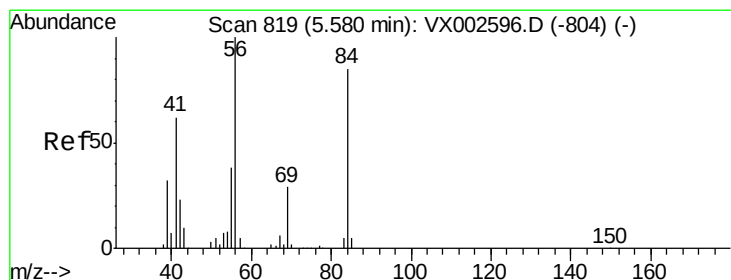
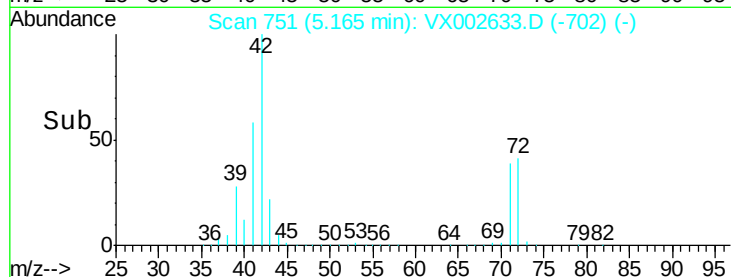
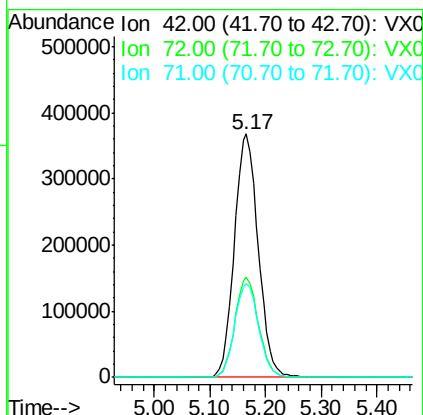
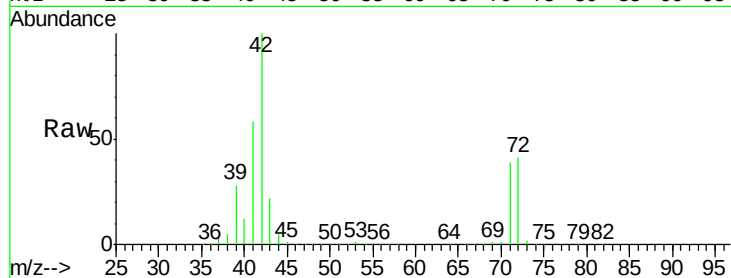




#29
Tetrahydrofuran
Concen: 851.59 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002633.D
Acq: 16 Jun 2018 08:31

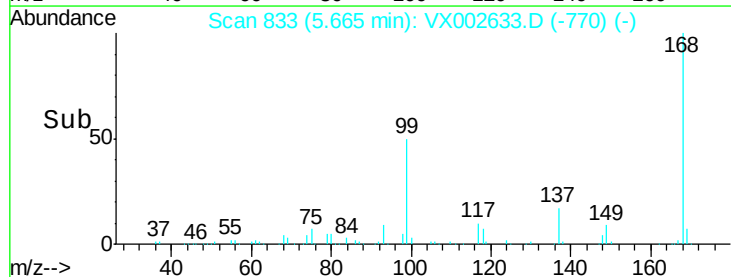
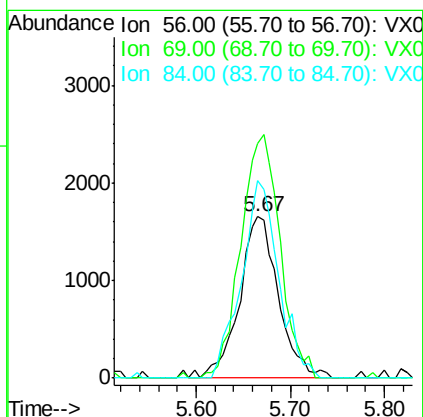
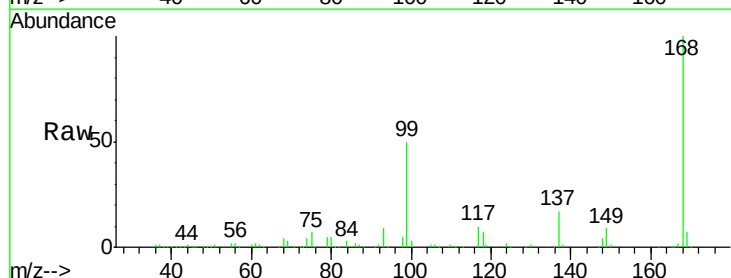
Instrument :
MSVOA_X
ClientSampleId :

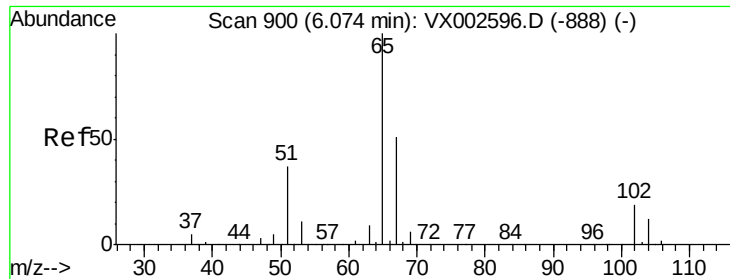
Tot Ion: 42 Resp: 1088887
Ion Ratio Lower Upper
42 100
72 40.8 32.0 48.0
71 38.9 30.1 45.1



#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002633.D
Acq: 16 Jun 2018 08:31

Tgt Ion: 56 Resp: 4819
Ion Ratio Lower Upper
56 100
69 145.3 23.7 35.5#
84 121.9 64.1 96.1#

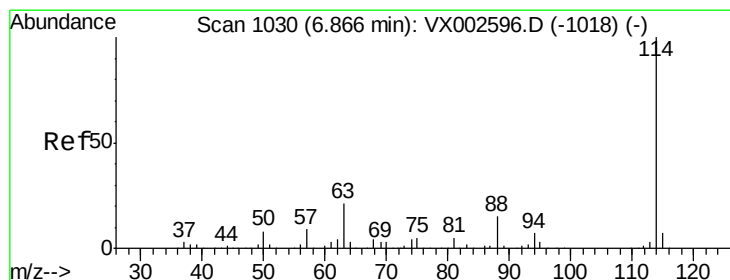
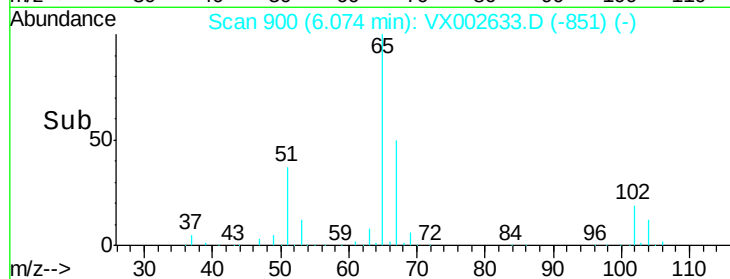
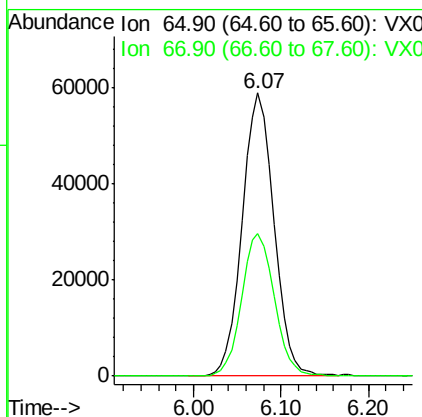
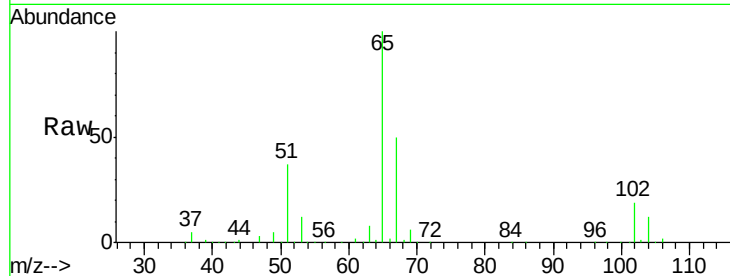




#33
 1,2-Dichloroethane-d4
 Concen: 44.20 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002633.D
 Acq: 16 Jun 2018 08:31

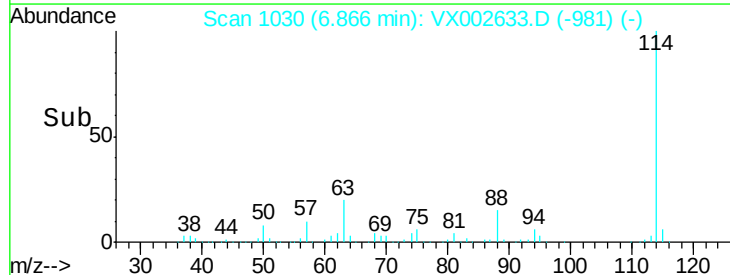
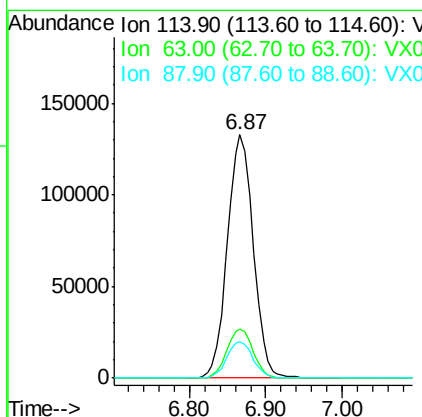
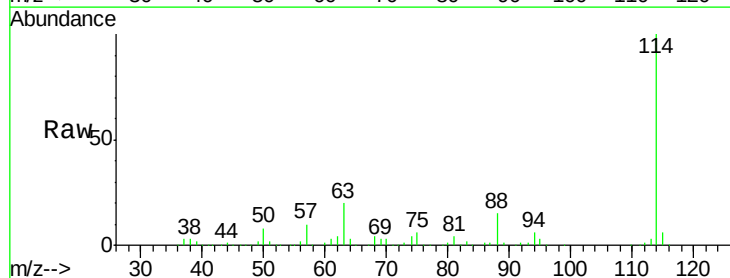
Instrument :
 MSVOA_X
 ClientSampleId :

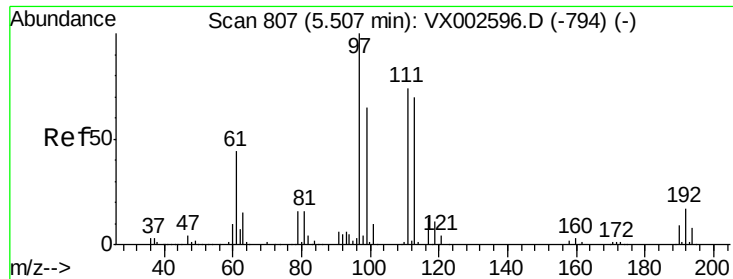
Tot Ion: 65 Resp: 148844
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002633.D
 Acq: 16 Jun 2018 08:31

Tgt Ion: 114 Resp: 311210
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 45.90 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

Instrument :
MSVOA_X
ClientSampled :

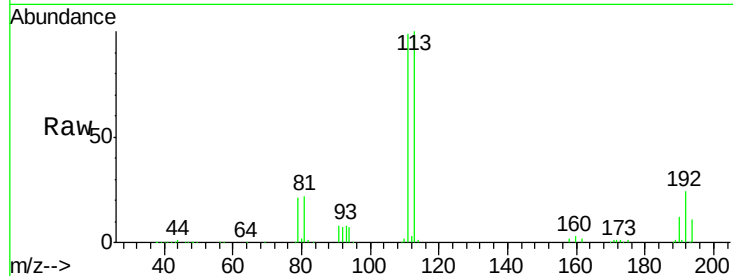
Tot Ion:113 Resp: 113995

Ion Ratio Lower Upper

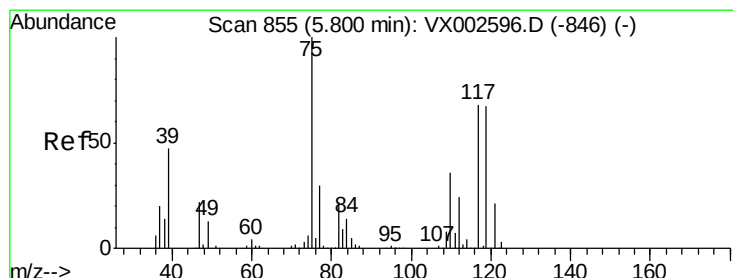
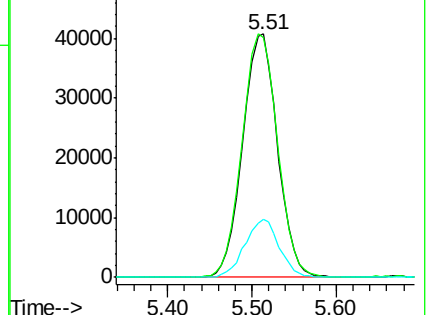
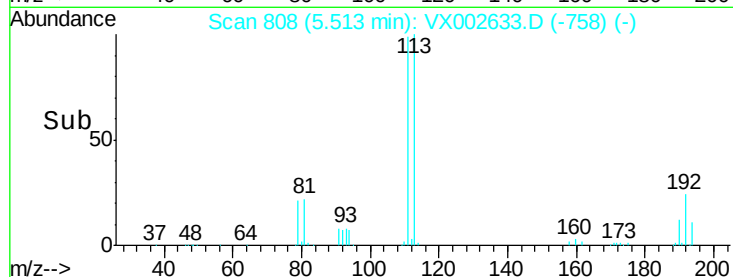
113 100

111 102.1 81.4 122.0

192 23.5 19.1 28.7



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: 4.63 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

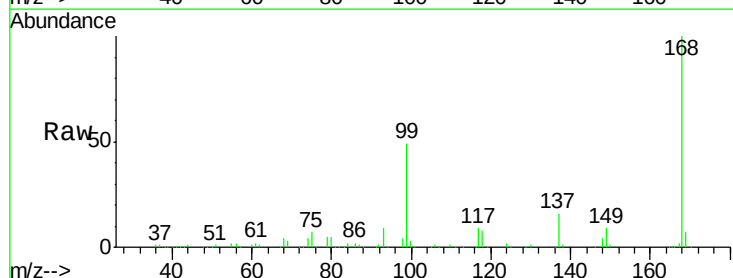
Tgt Ion: 75 Resp: 15300

Ion Ratio Lower Upper

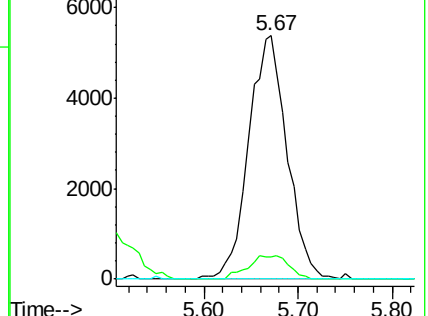
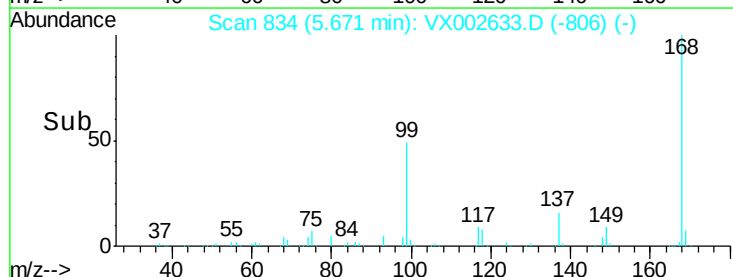
75 100

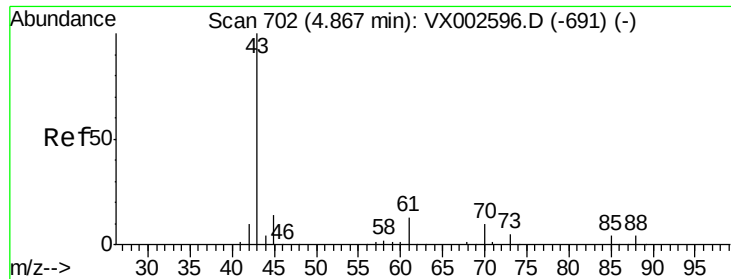
110 10.2 18.1 54.4#

77 0.0 24.3 36.5#



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

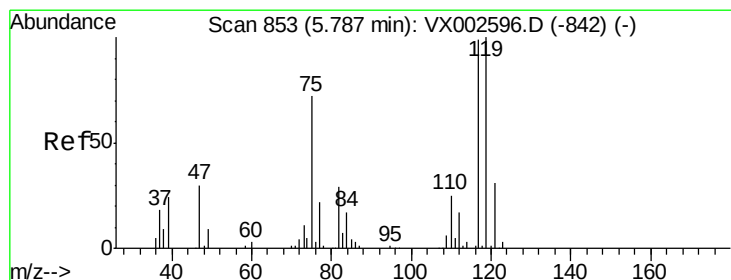
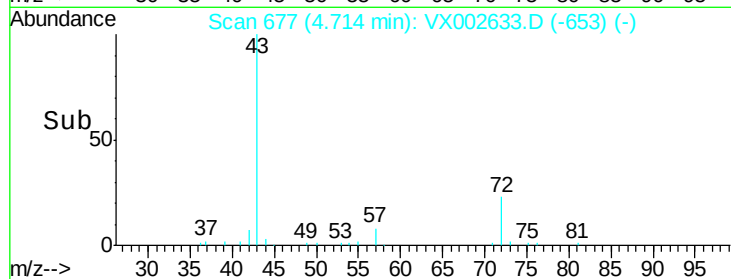
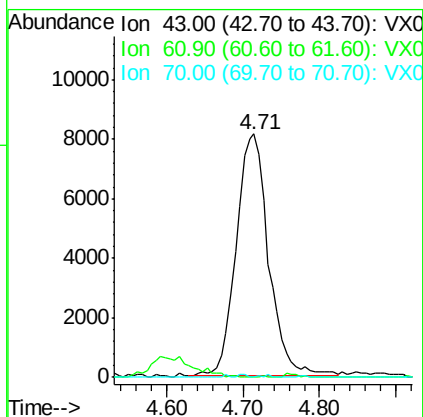
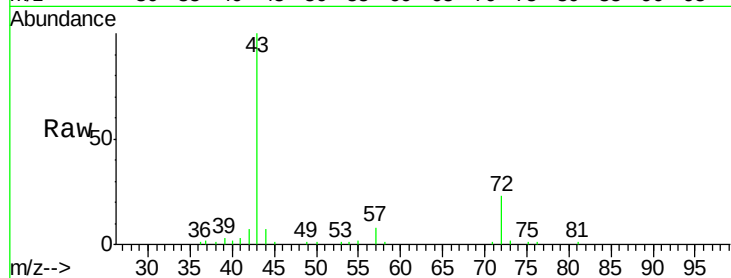




#37
Ethyl Acetate
Concen: 6.39 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.15 min
Lab File: VX002633.D
Acq: 16 Jun 2018 08:31

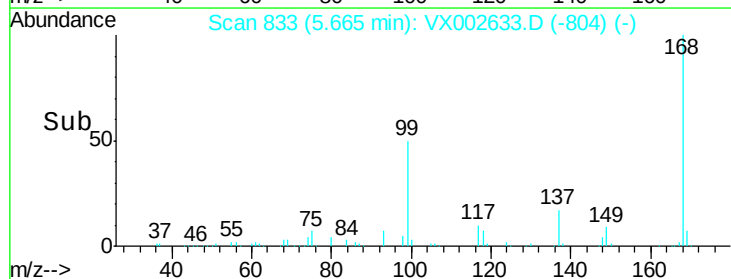
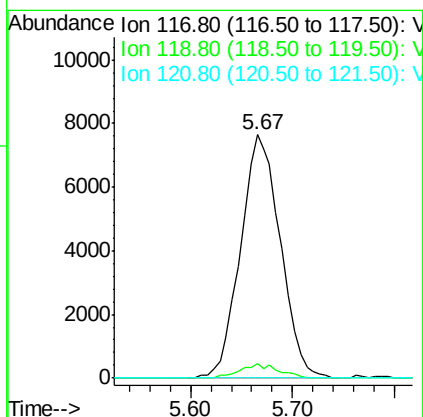
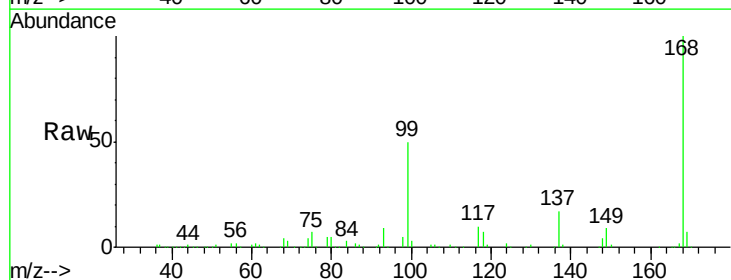
Instrument :
MSVOA_X
ClientSampled :

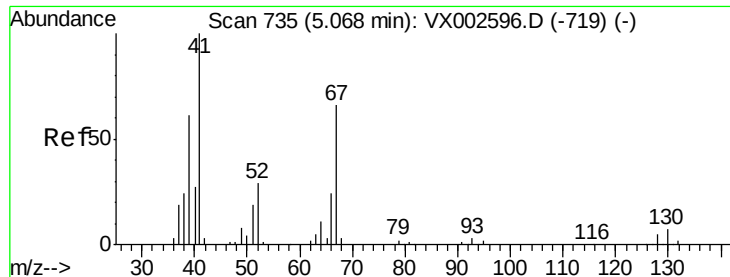
Tot Ion: 43 Resp: 23924
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 6.28 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002633.D
Acq: 16 Jun 2018 08:31

Tgt Ion: 117 Resp: 20676
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 24.4 36.6#





#41

Methacrylonitrile

Concen: 298.01 ug/l

RT: 5.17 min Scan# 751

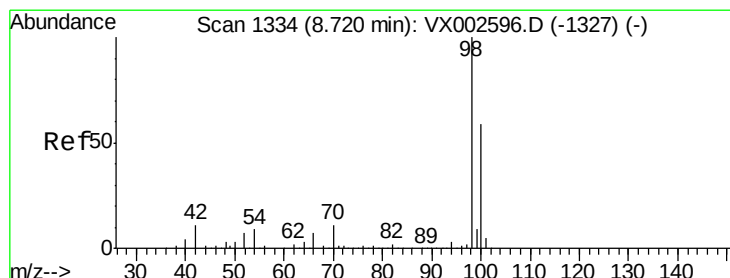
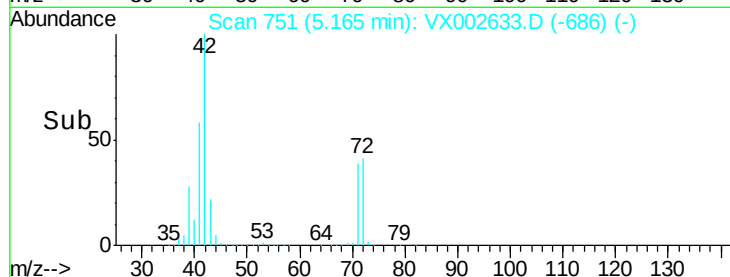
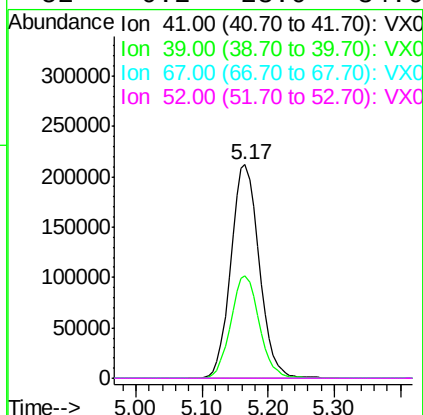
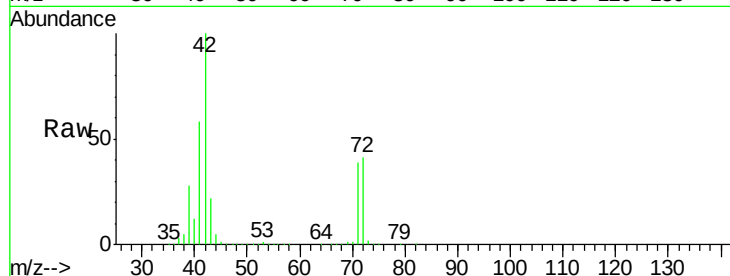
Delta R.T. 0.10 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	629481
Ion	Ratio	Lower	Upper
41	100		
39	48.1	45.8	68.6
67	0.0	51.3	76.9#
52	0.2	23.0	34.6#



#50

Toluene-d8

Concen: 47.19 ug/l

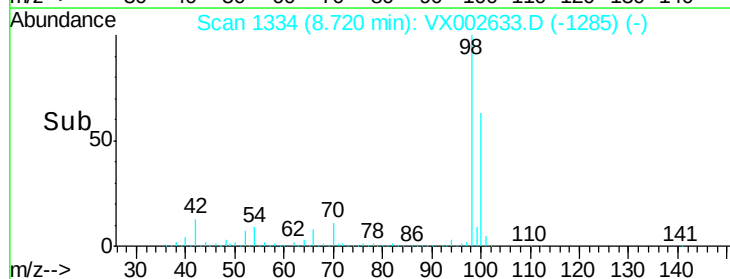
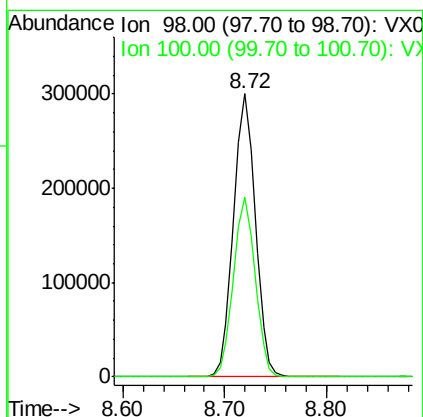
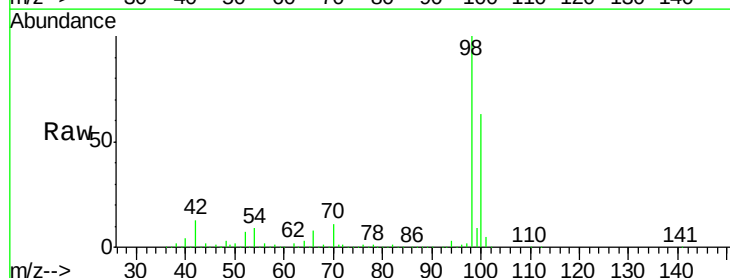
RT: 8.72 min Scan# 1334

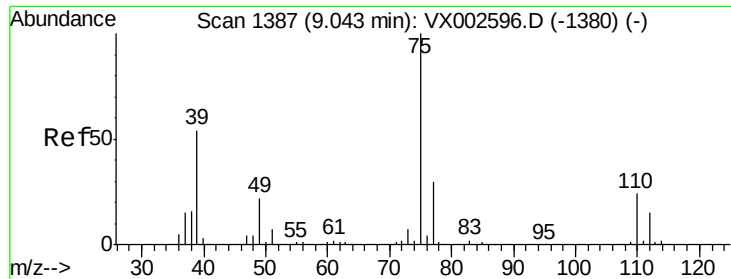
Delta R.T. 0.00 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

Tgt Ion:	98	Resp:	445025
Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.9	76.3

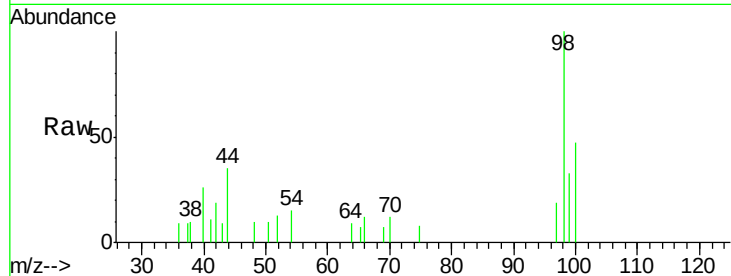




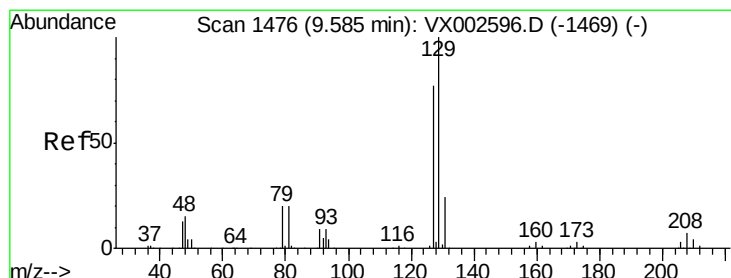
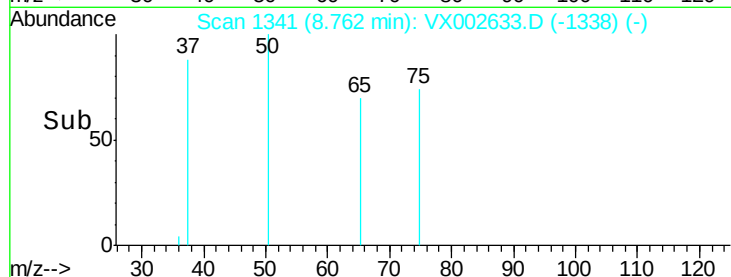
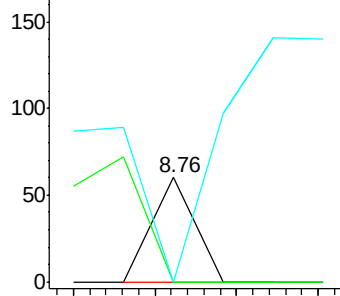
#54
 cis-1,3-Dichloropropene
 Concen: 3.22 ug/l
 RT: 8.76 min Scan# 1341
 Delta R.T. -0.28 min
 Lab File: VX002633.D
 Acq: 16 Jun 2018 08:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 22
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 0.0 42.4 63.6#

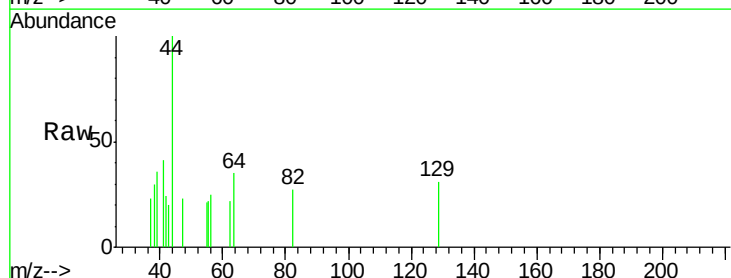


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0

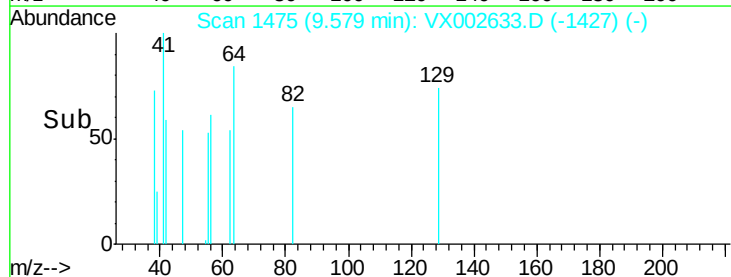
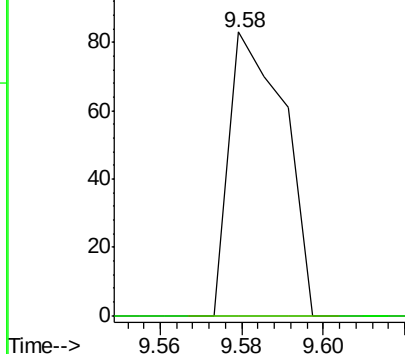


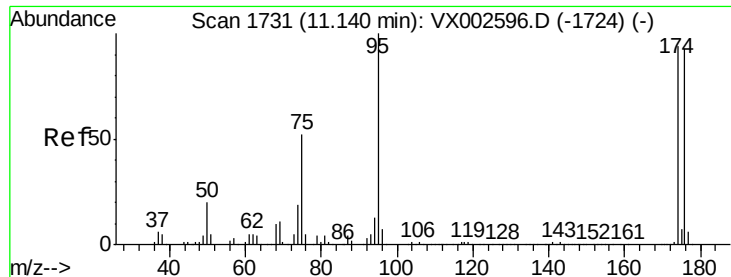
#60
 Dibromochloromethane
 Concen: 3.79 ug/l
 RT: 9.58 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VX002633.D
 Acq: 16 Jun 2018 08:31

Tgt Ion: 129 Resp: 78
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

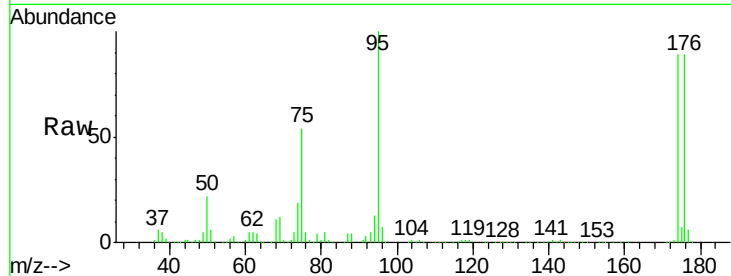




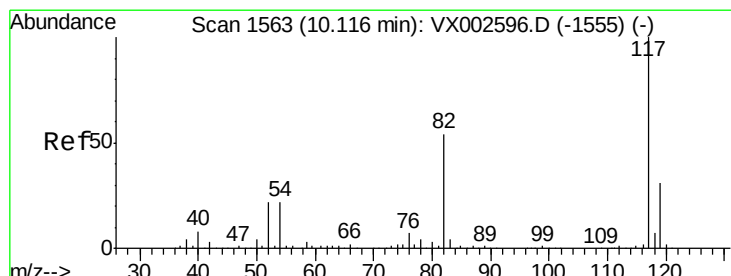
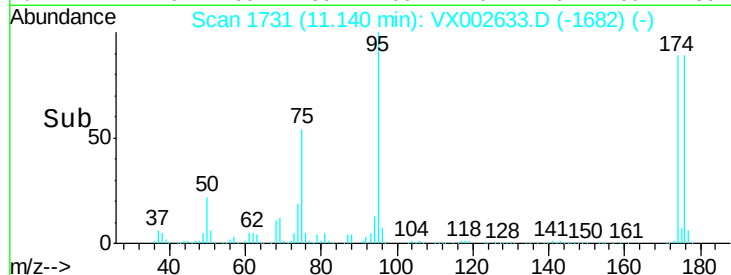
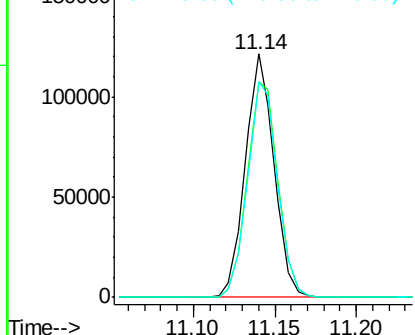
#62
4-Bromofluorobenzene
Concen: 41.62 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002633.D
Acq: 16 Jun 2018 08:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 148721
Ion Ratio Lower Upper
95 100
174 94.9 0.0 187.4
176 92.8 0.0 181.0

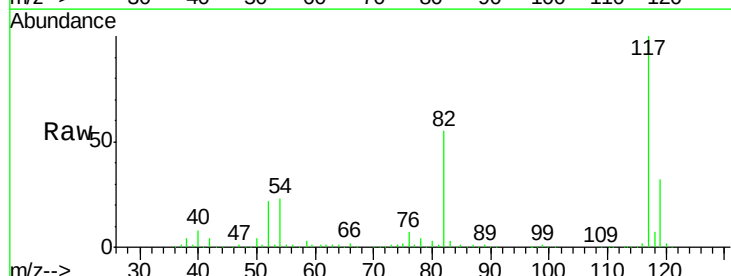


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

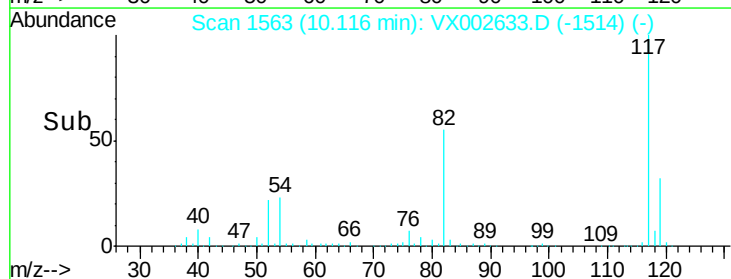
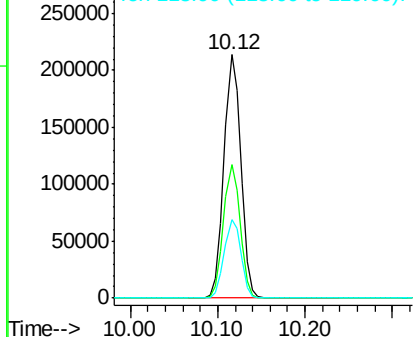


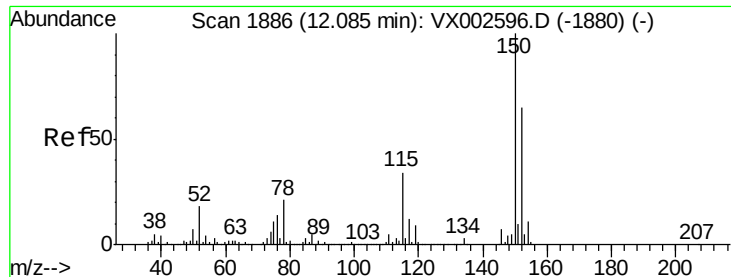
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002633.D
Acq: 16 Jun 2018 08:31

Tgt Ion: 117 Resp: 284400
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 32.2 25.8 38.6



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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

Instrument :

MSVOA_X

ClientSampled :

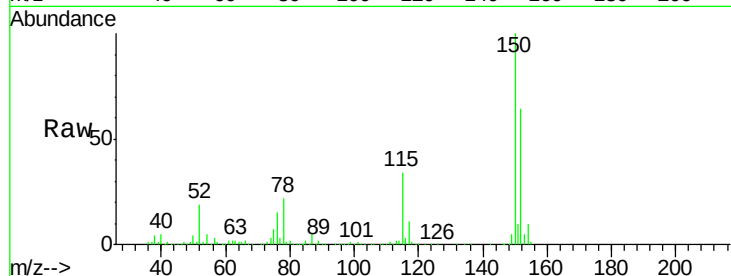
Tot Ion:152 Resp: 151772

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

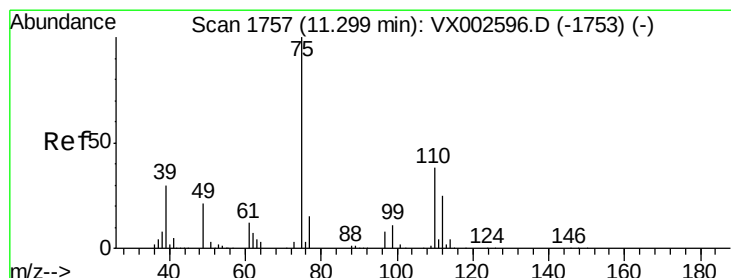
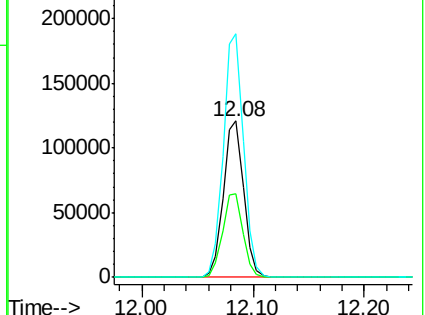
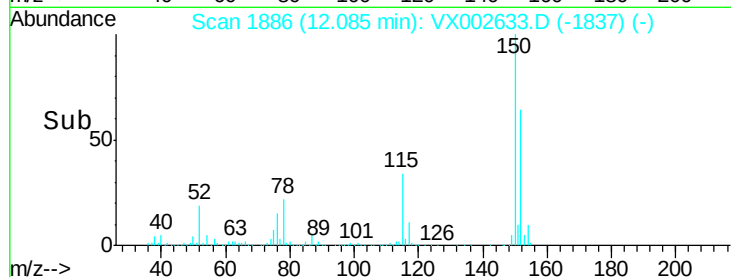
150 155.6 0.0 347.2



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: 27.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002633.D

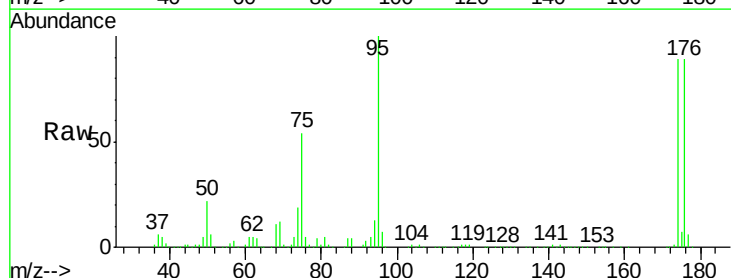
Acq: 16 Jun 2018 08:31

Tgt Ion: 75 Resp: 79980

Ion Ratio Lower Upper

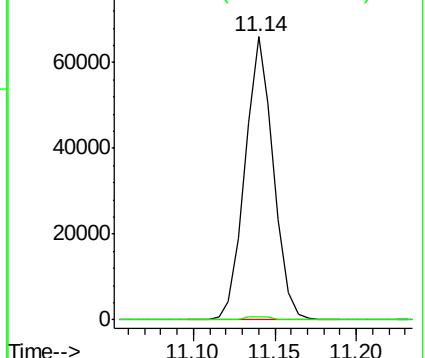
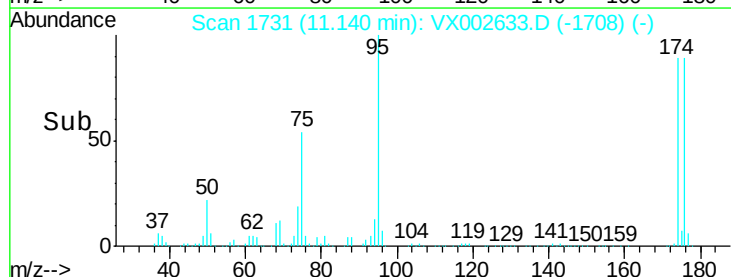
75 100

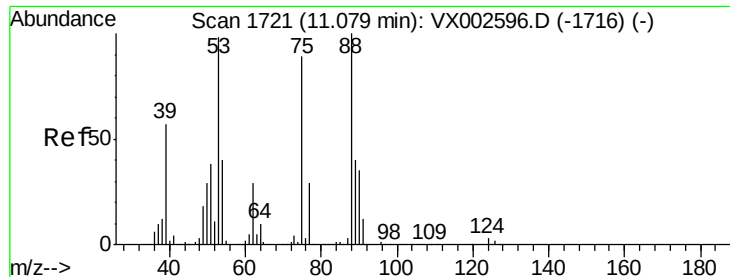
77 1.3 22.8 68.3#



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: 86.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002633.D

Acq: 16 Jun 2018 08:31

Instrument :

MSVOA_X

ClientSampled :

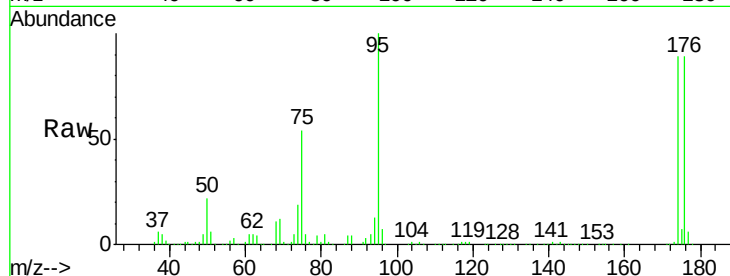
Tot Ion: 75 Resp: 79980

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

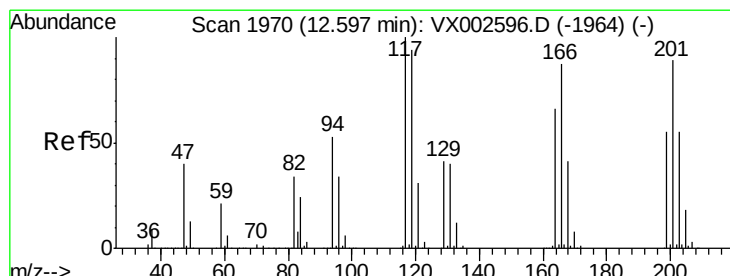
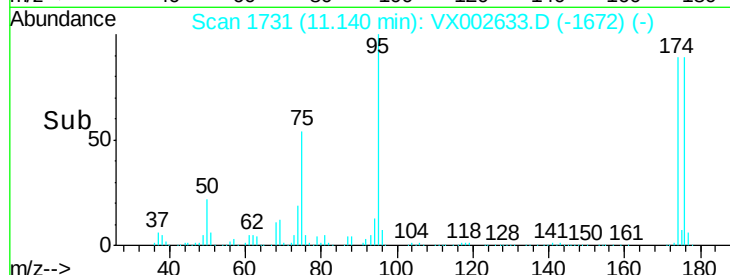
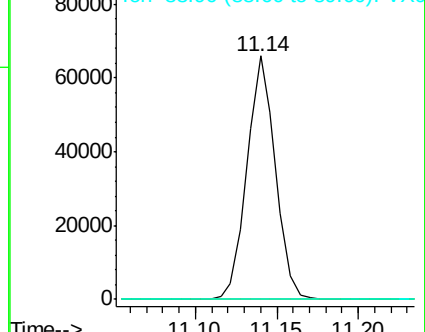
89 0.0 38.2 57.2#



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



#90

Hexachloroethane

Concen: 2.64 ug/l

RT: 12.32 min Scan# 1925

Delta R.T. -0.27 min

Lab File: VX002633.D

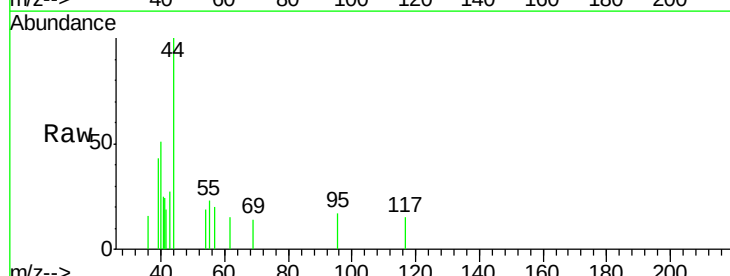
Acq: 16 Jun 2018 08:31

Tgt Ion: 117 Resp: 21

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

