

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000584.D
 Acq On : 31 Mar 2018 11:22
 Operator : JC/MD
 Sample : VX0331WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:13:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	140082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	236325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	126079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	94453	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
35) Dibromofluoromethane	5.51	113	73516	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	8.72	98	298227	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.15	95	107190	42.23	ug/l	0.00
Spiked Amount			Recovery	=	84.46%	

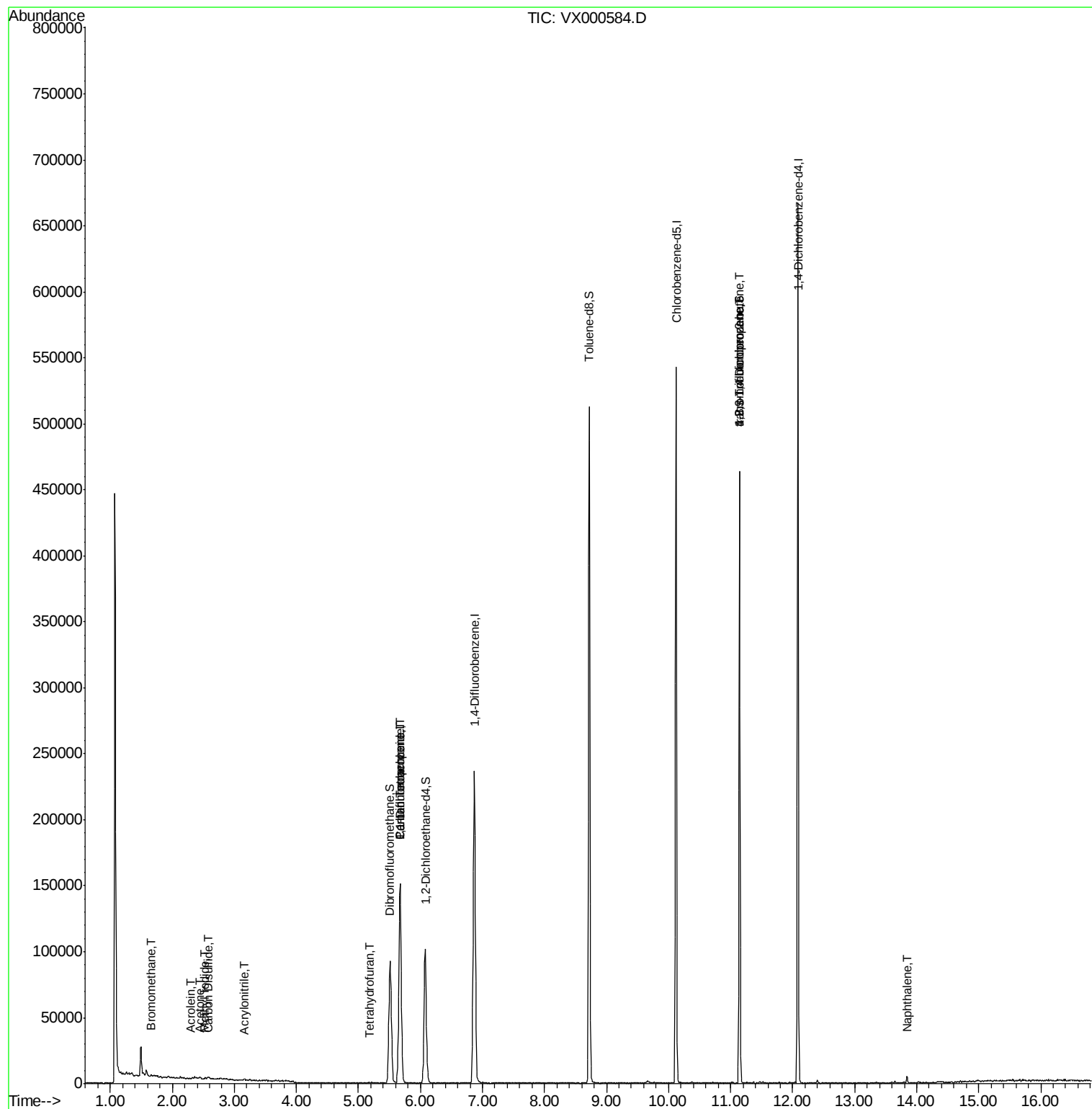
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	375	0.228	ug/l #	62
6) Chloroethane	1.74	64	120	Below Cal	#	44
10) Methyl Iodide	2.52	142	497	4.541	ug/l #	83
13) Acrolein	2.30	56	358	16.257	ug/l #	67
14) Allyl chloride	2.73	41	248	Below Cal	#	77
15) Acrylonitrile	3.15	53	334	0.262	ug/l #	72
16) Acetone	2.45	43	1338	0.880	ug/l #	85
17) Carbon Disulfide	2.58	76	1255	0.326	ug/l #	93
29) Tetrahydrofuran	5.18	42	400	0.380	ug/l #	76
36) 1,1-Dichloropropene	5.67	75	10399	4.698	ug/l #	51
38) Carbon Tetrachloride	5.67	117	13449	5.791	ug/l #	15
74) N-amyl acetate	6.47	43	22	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.14	75	62198	22.955	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	62198	74.318	ug/l #	9
95) Naphthalene	13.84	128	3199	0.311	ug/l #	92

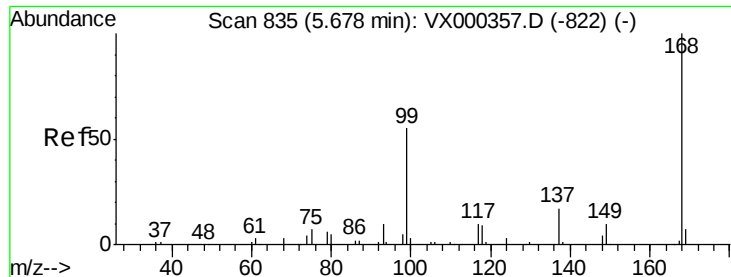
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

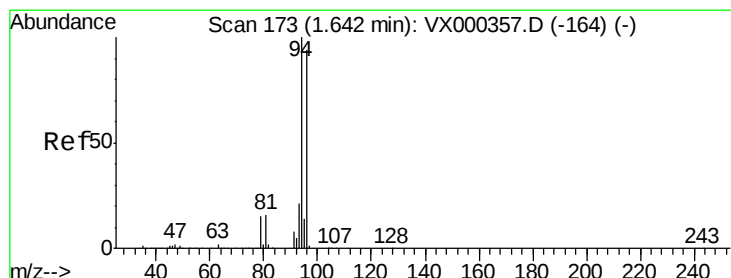
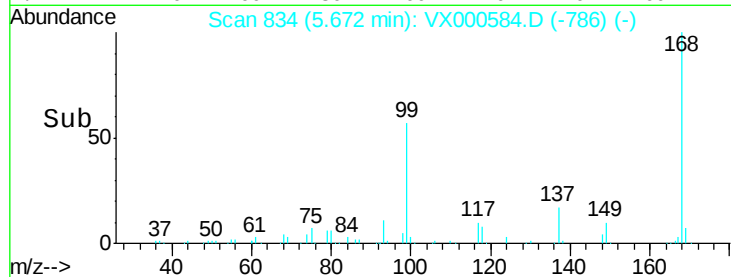
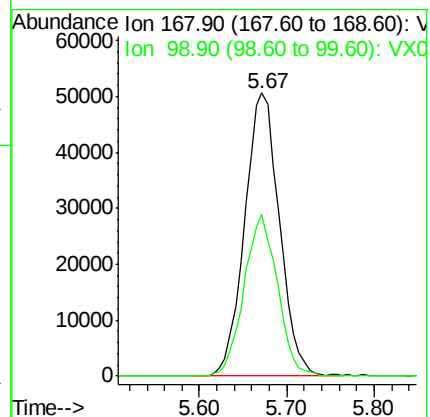
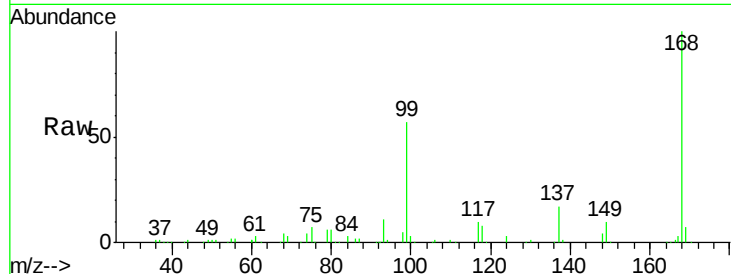
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 140082

Ion Ratio Lower Upper

168 100

99 57.1 45.8 68.6



#5

Bromomethane

Concen: 0.228 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX000584.D

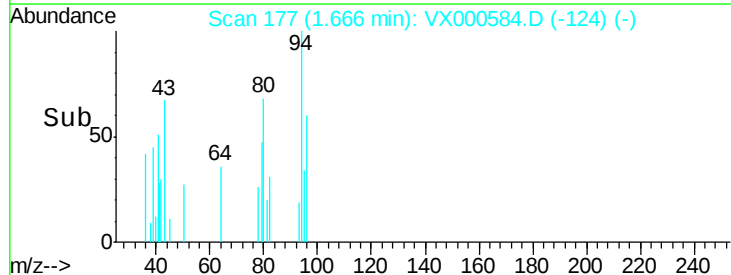
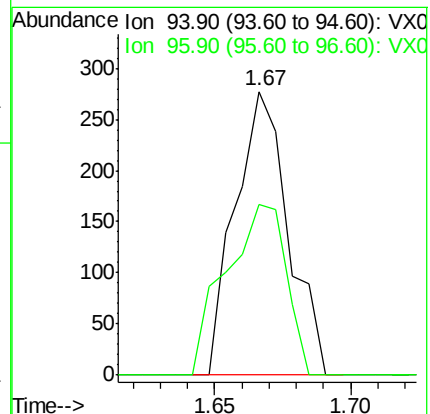
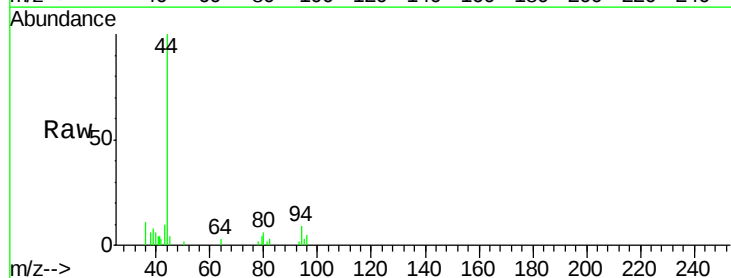
Acq: 31 Mar 2018 11:22

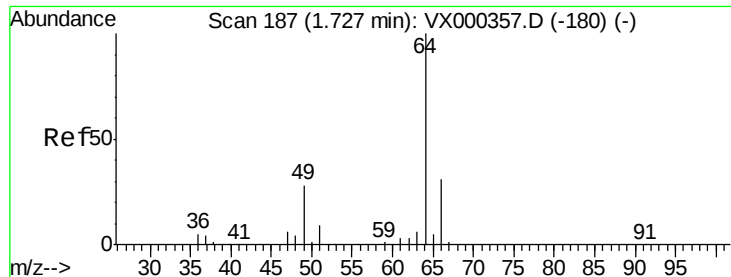
Tgt Ion: 94 Resp: 375

Ion Ratio Lower Upper

94 100

96 60.1 77.7 116.5#





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

Instrument :

MSVOA_X

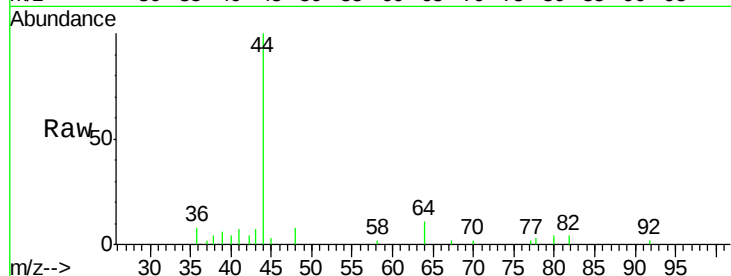
ClientSampleId :

Tot Ion: 64 Resp: 120

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

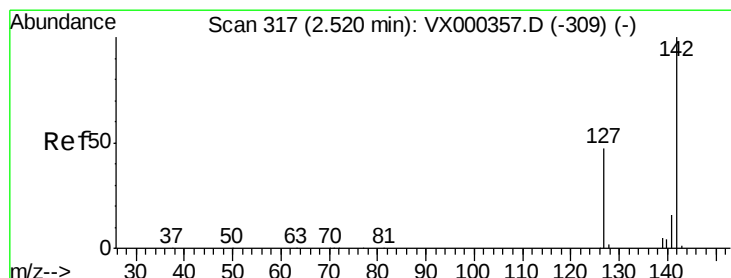
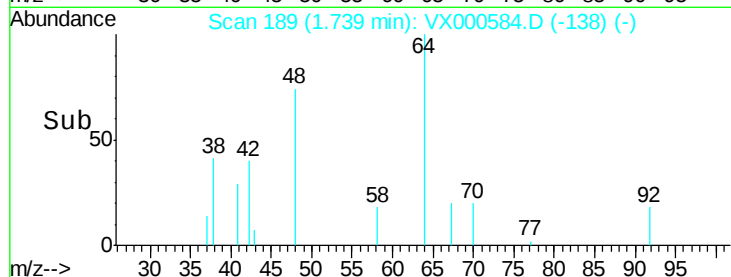
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 4.541 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

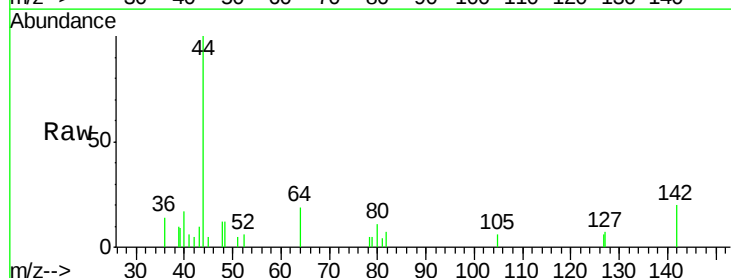
Tgt Ion:142 Resp: 497

Ion Ratio Lower Upper

142 100

127 36.8 39.2 58.8#

141 8.9 11.7 17.5#



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

250

200

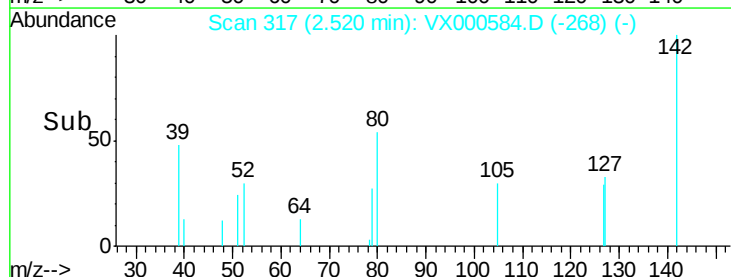
150

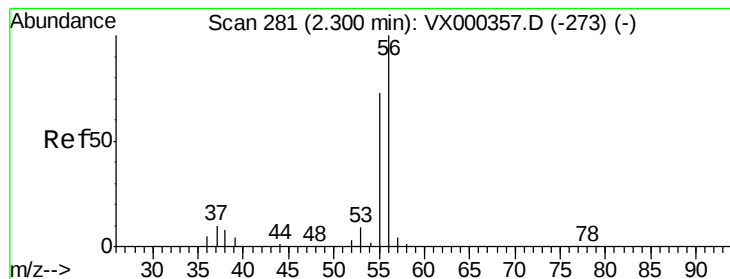
100

50

0

Time-->





#13

Acrolein

Concen: 16.257 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

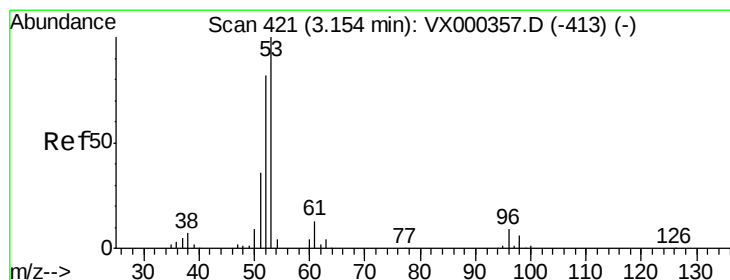
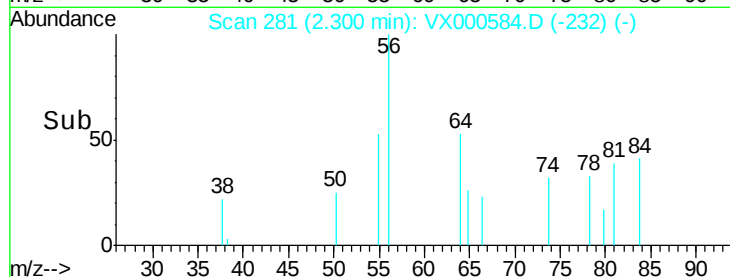
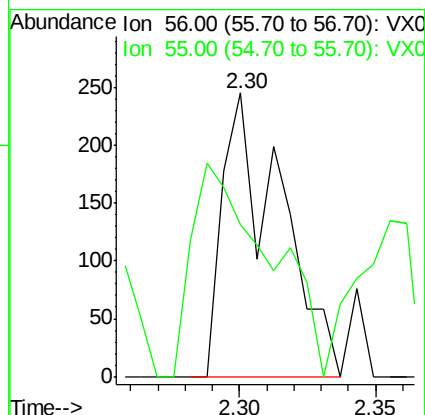
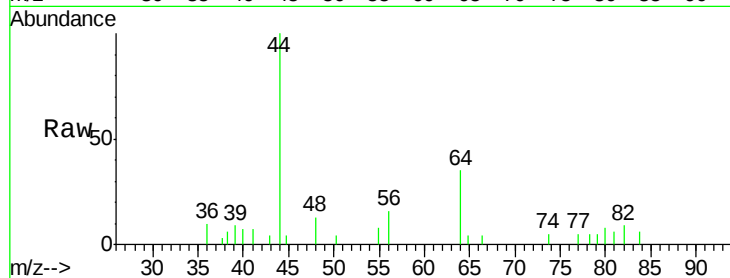
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 358

Ion Ratio Lower Upper

56 100

55 101.7 58.8 88.2#



#15

Acrylonitrile

Concen: 0.262 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

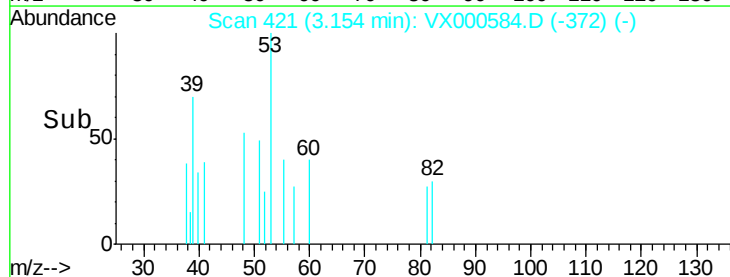
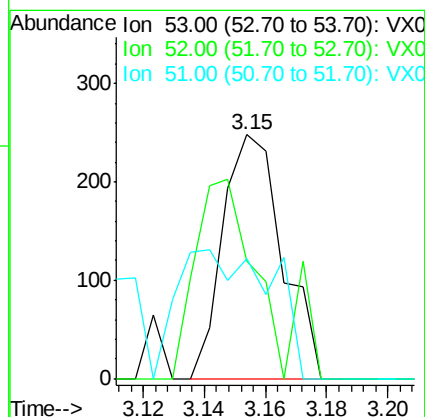
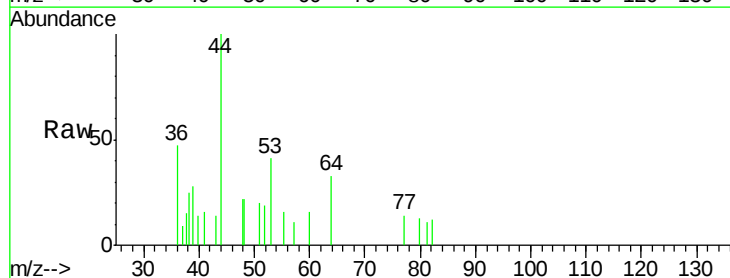
Tgt Ion: 53 Resp: 334

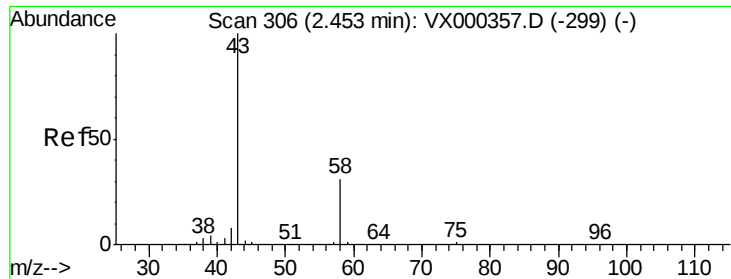
Ion Ratio Lower Upper

53 100

52 78.7 66.6 99.8

51 84.1 29.3 43.9#





#16

Acetone

Concen: 0.880 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

Instrument :

MSVOA_X

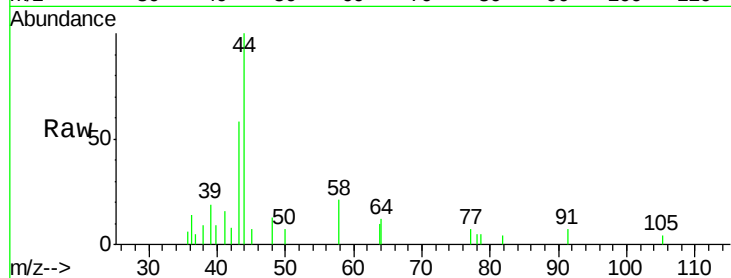
ClientSampleId :

Tot Ion: 43 Resp: 1338

Ion Ratio Lower Upper

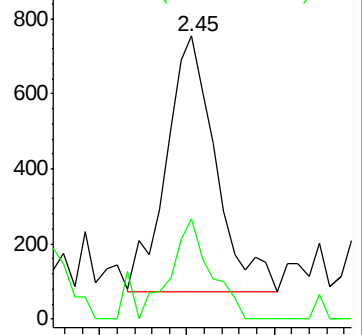
43 100

58 39.3 24.7 37.1#

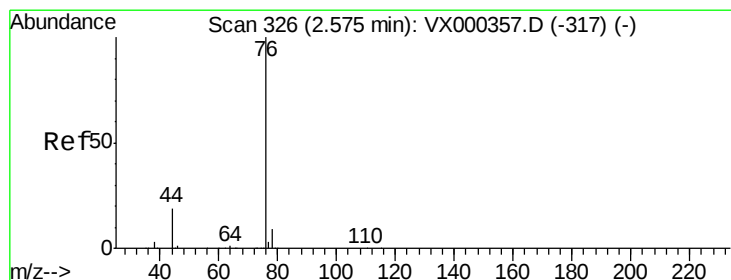
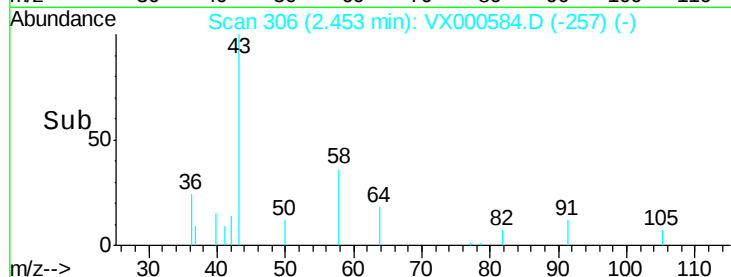


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.326 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000584.D

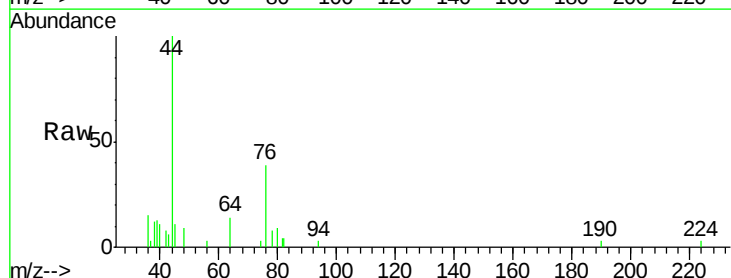
Acq: 31 Mar 2018 11:22

Tgt Ion: 76 Resp: 1255

Ion Ratio Lower Upper

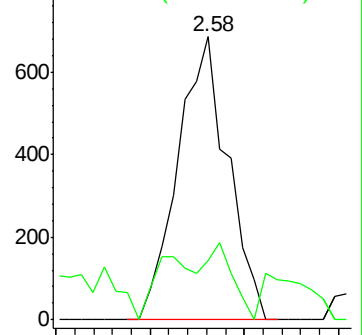
76 100

78 11.4 7.0 10.6#

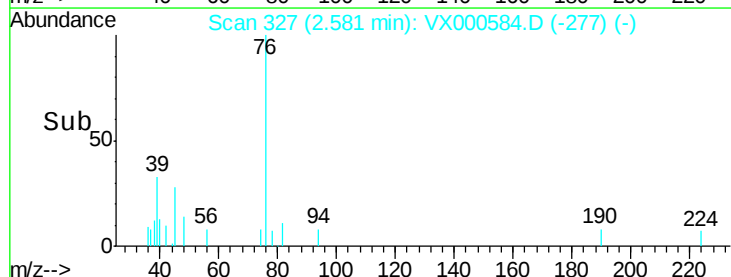


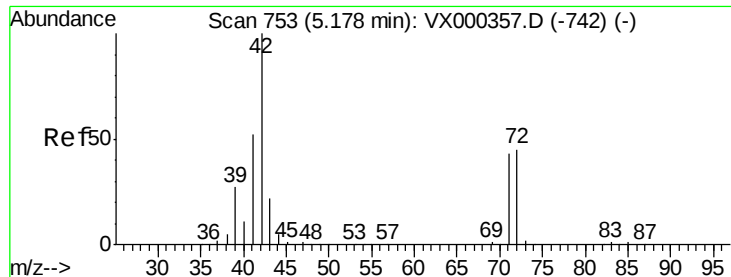
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->

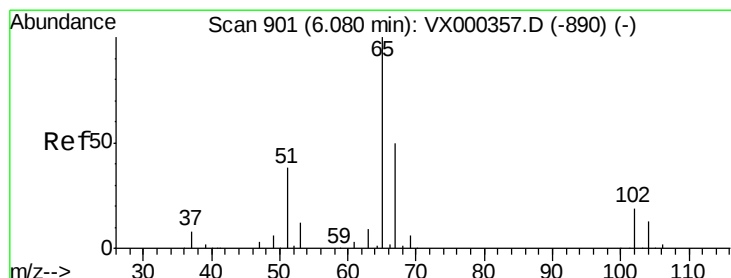
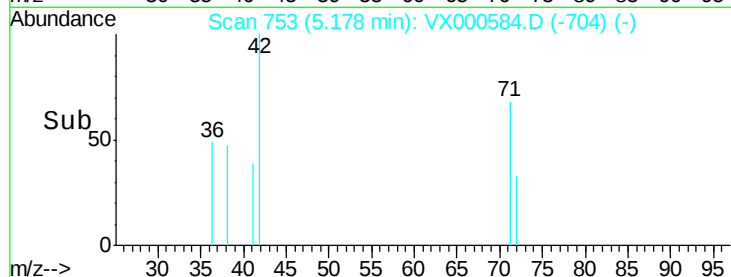
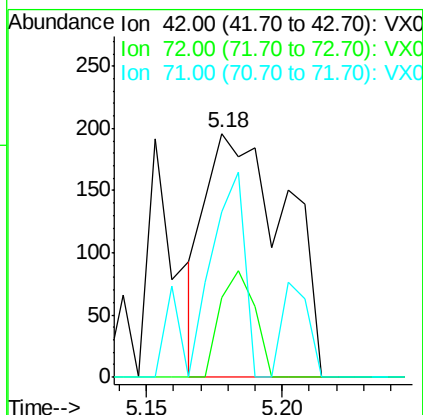
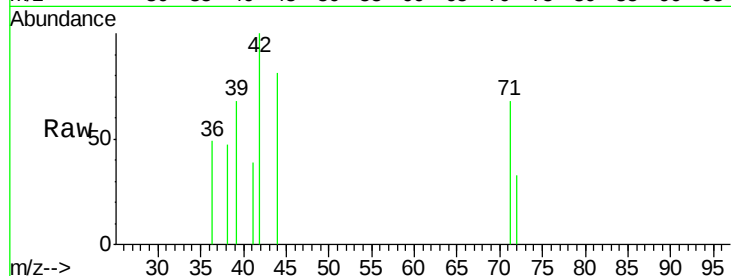




#29
Tetrahydrofuran
Concen: 0.380 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000584.D
Acq: 31 Mar 2018 11:22

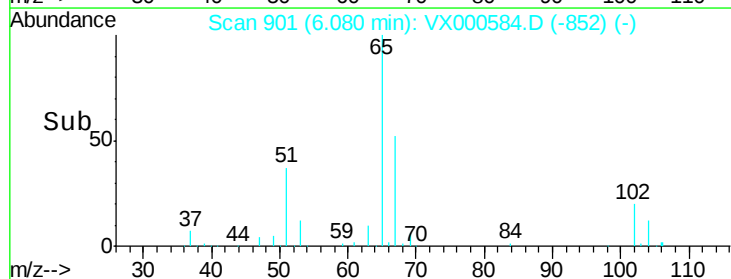
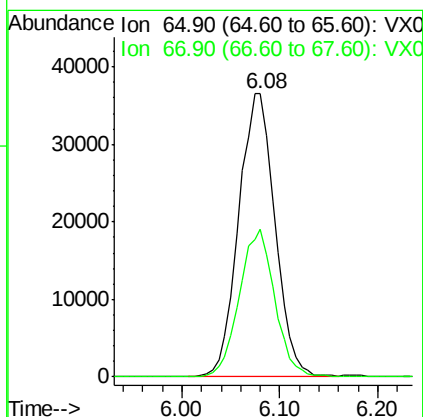
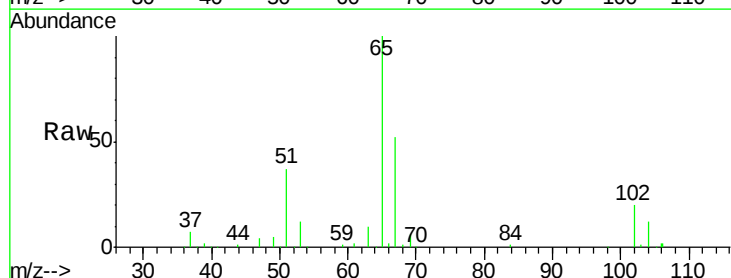
Instrument :
MSVOA_X
ClientSampled :

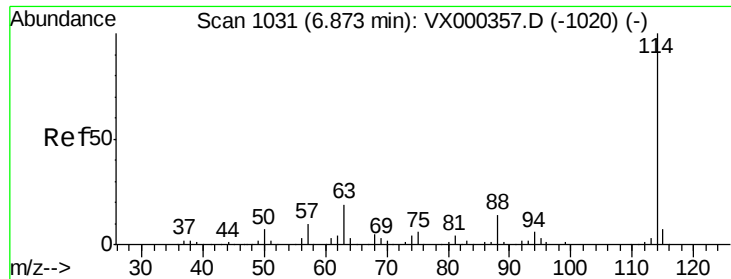
Tot Ion: 42 Resp: 400
Ion Ratio Lower Upper
42 100
72 19.0 37.9 56.9#
71 40.8 34.4 51.6



#33
1,2-Dichloroethane-d4
Concen: 51.654 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000584.D
Acq: 31 Mar 2018 11:22

Tgt Ion: 65 Resp: 94453
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.2

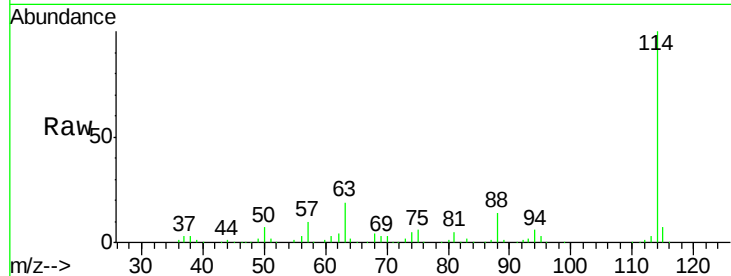




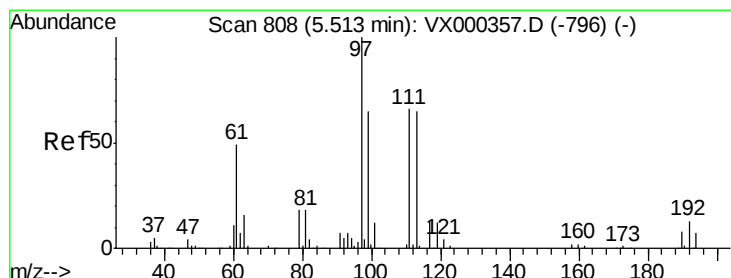
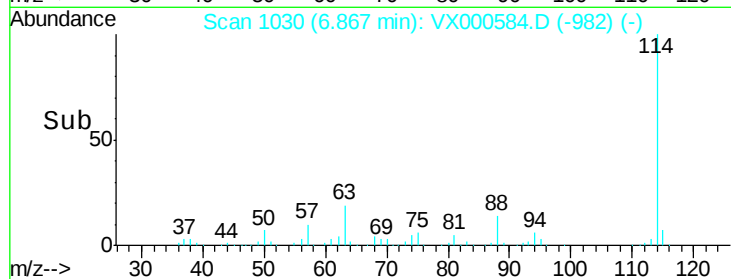
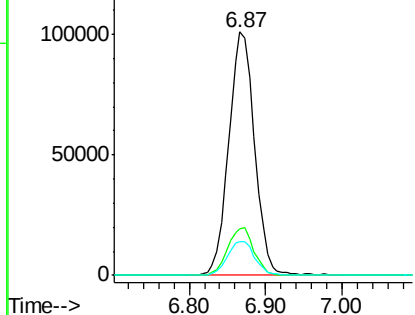
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VX000584.D
Acq: 31 Mar 2018 11:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:114 Resp: 236325
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 13.8 0.0 27.0

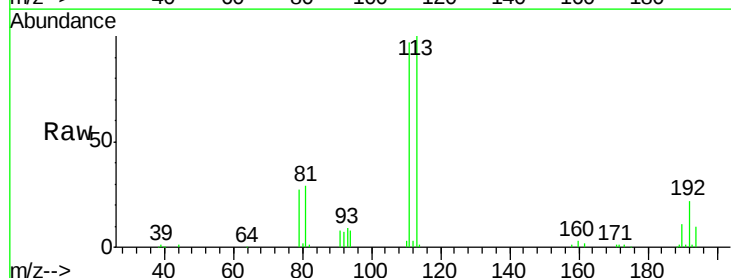


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

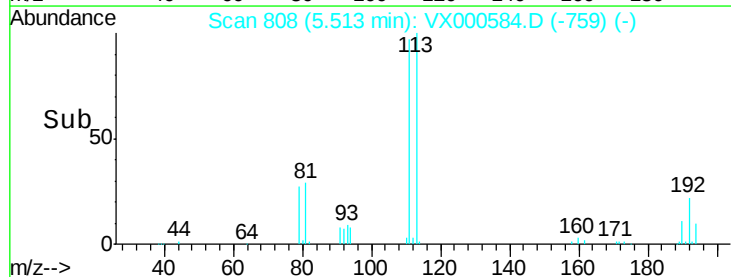
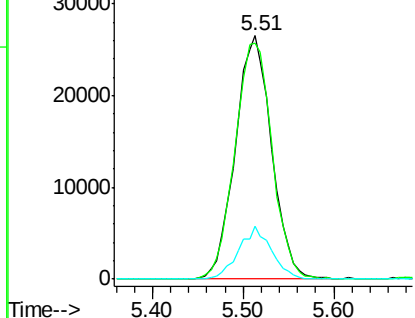


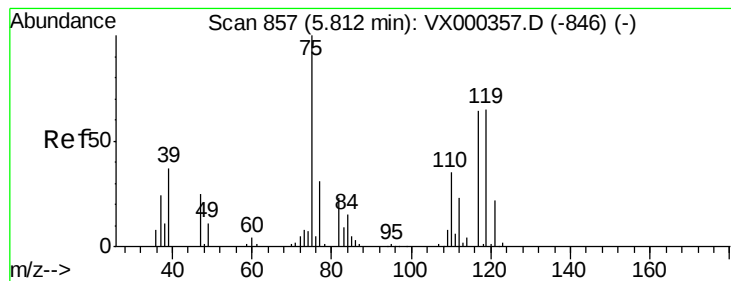
#35
Dibromofluoromethane
Concen: 49.371 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000584.D
Acq: 31 Mar 2018 11:22

Tgt Ion:113 Resp: 73516
Ion Ratio Lower Upper
113 100
111 100.1 82.4 123.6
192 19.5 15.8 23.6



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: 4.698 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

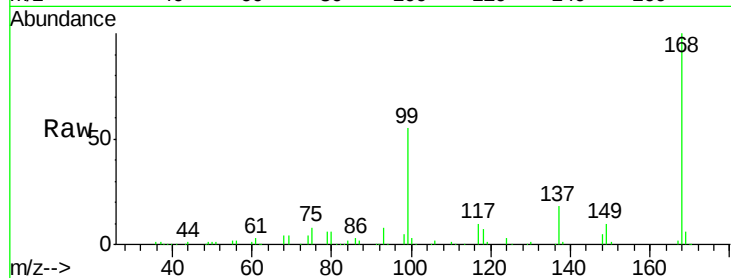
Tot Ion: 75 Resp: 10399

Ion Ratio Lower Upper

75 100

110 9.9 17.9 53.7#

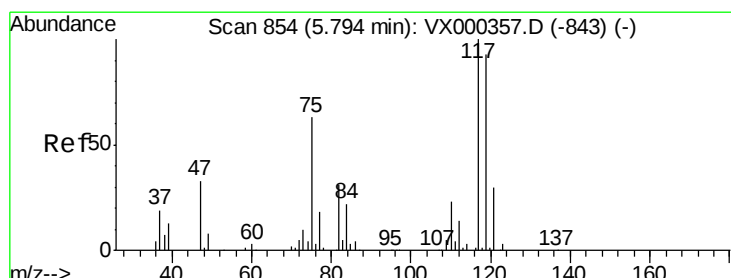
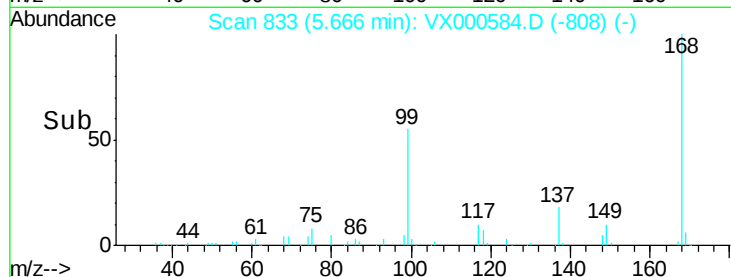
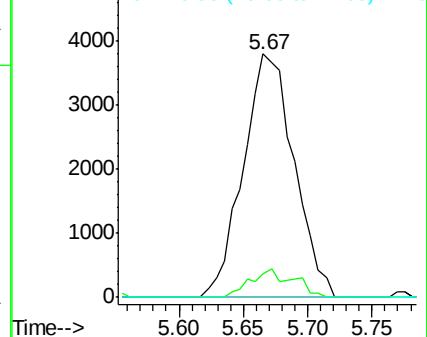
77 0.0 24.0 36.0#



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: 5.791 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

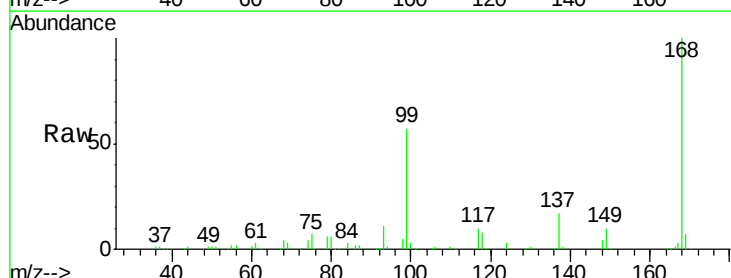
Tgt Ion: 117 Resp: 13449

Ion Ratio Lower Upper

117 100

119 4.2 77.4 116.2#

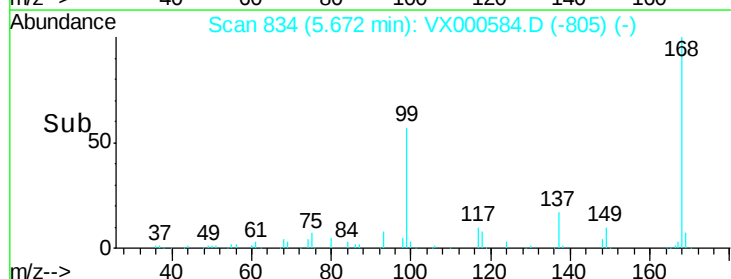
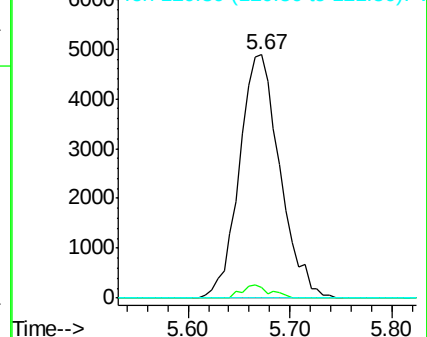
121 0.0 24.8 37.2#

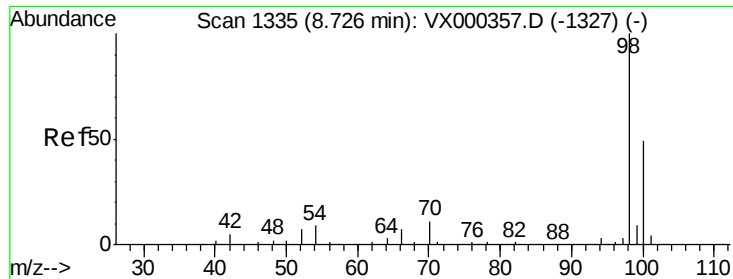


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.358 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

Instrument :

MSVOA_X

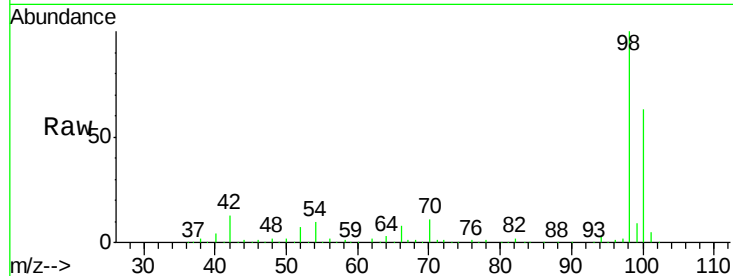
ClientSampleId :

Tot Ion: 98 Resp: 298227

Ion Ratio Lower Upper

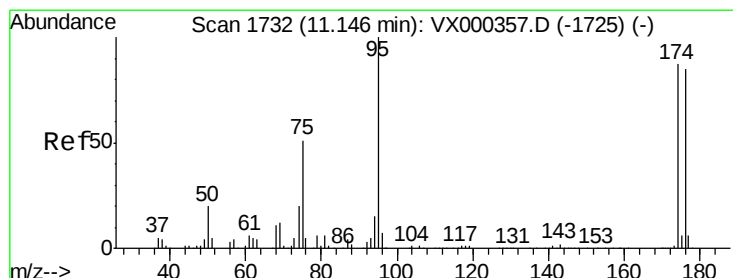
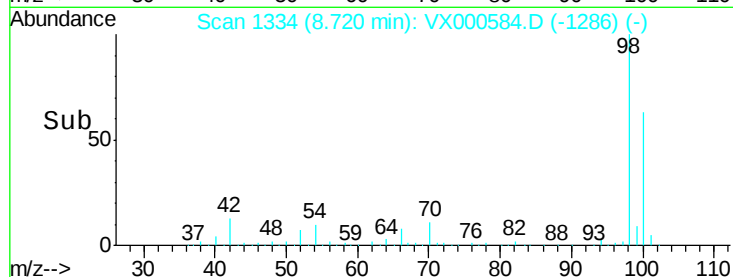
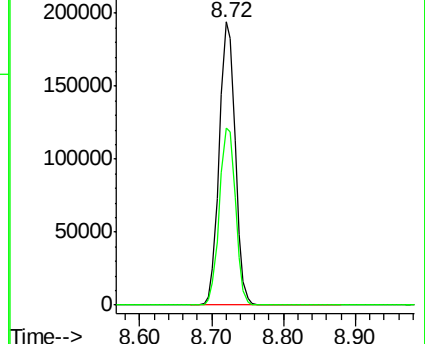
98 100

100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 42.226 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

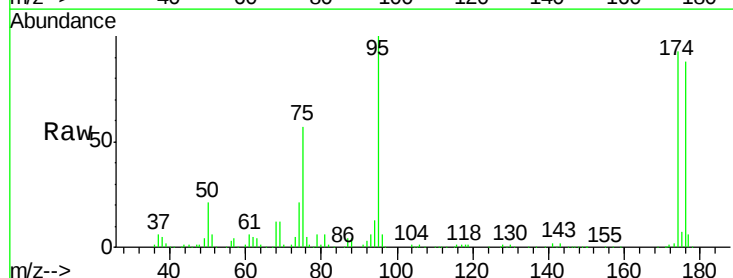
Tgt Ion: 95 Resp: 107190

Ion Ratio Lower Upper

95 100

174 88.3 0.0 173.6

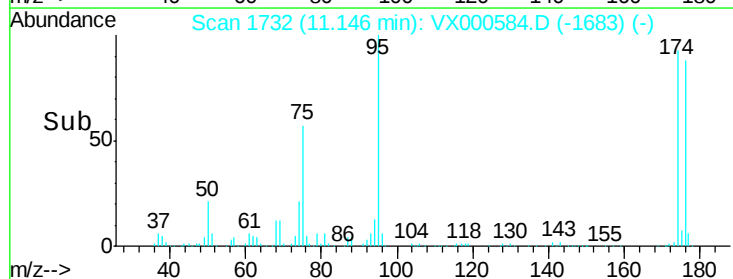
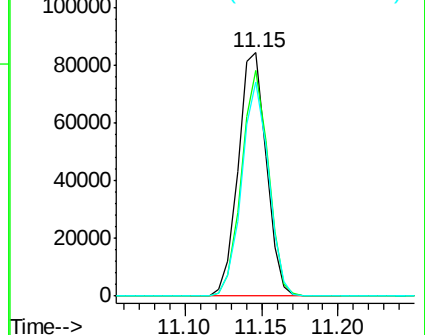
176 84.4 0.0 164.6

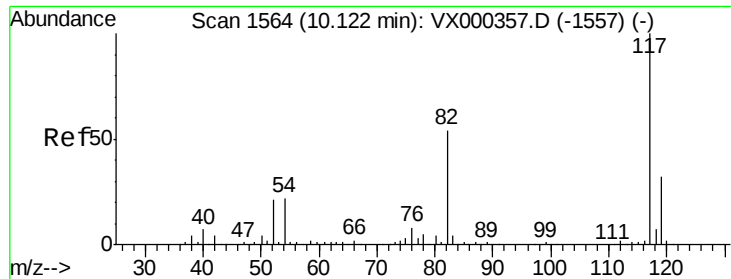


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

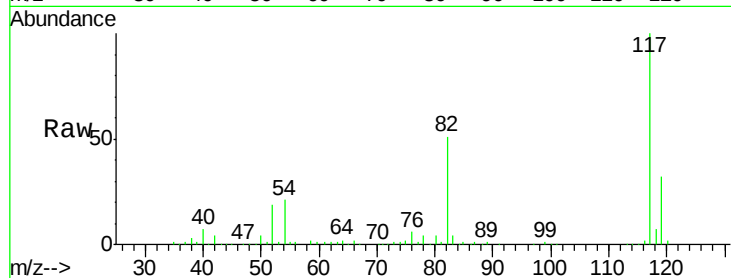
Tot Ion:117 Resp: 234932

Ion Ratio Lower Upper

117 100

82 51.2 43.8 65.8

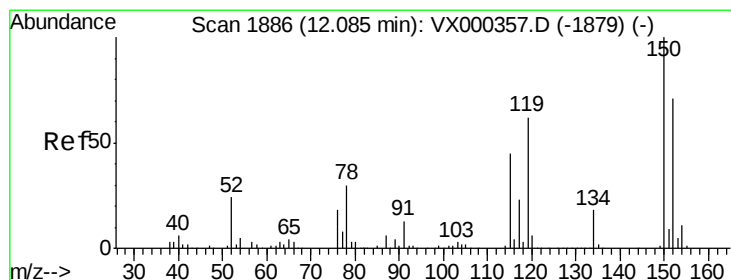
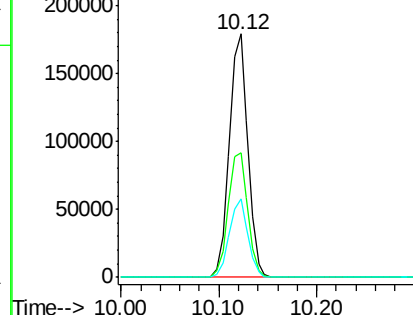
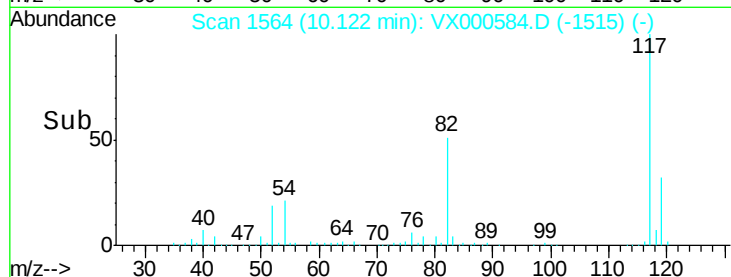
119 32.1 24.9 37.3



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: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

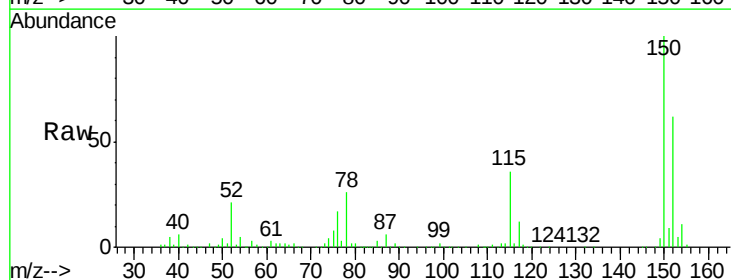
Tgt Ion:152 Resp: 126079

Ion Ratio Lower Upper

152 100

115 56.9 39.8 119.3

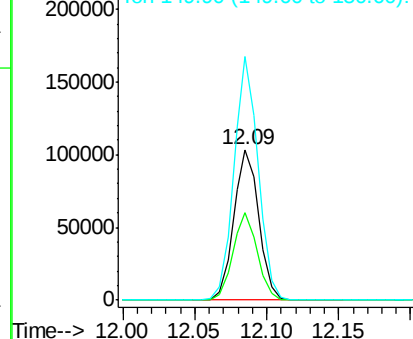
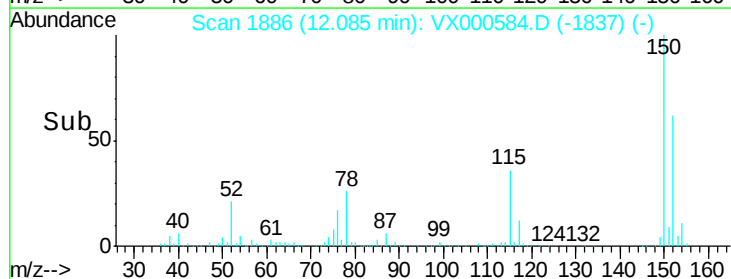
150 157.0 0.0 344.4

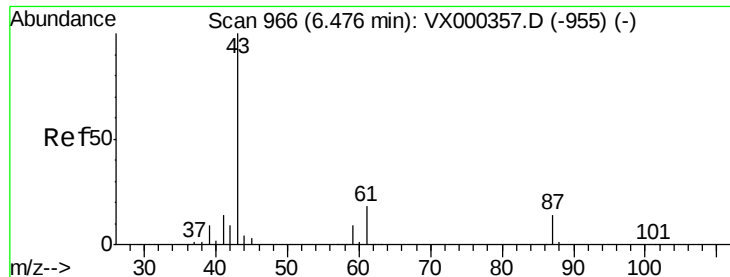


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: Below Cal

RT: 6.47 min Scan# 965

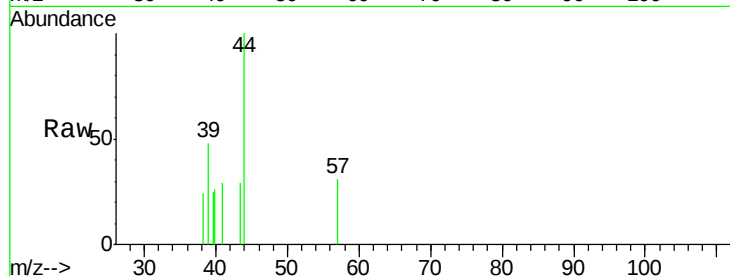
Delta R.T. -0.01 min

Lab File: VX000584.D

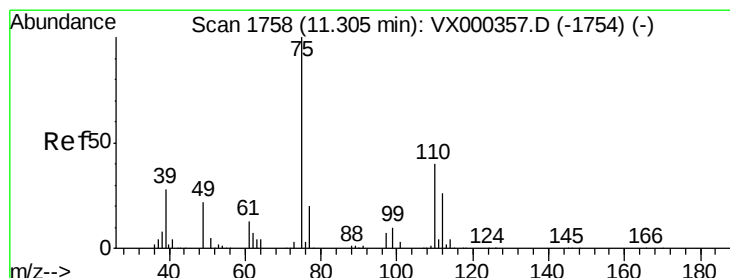
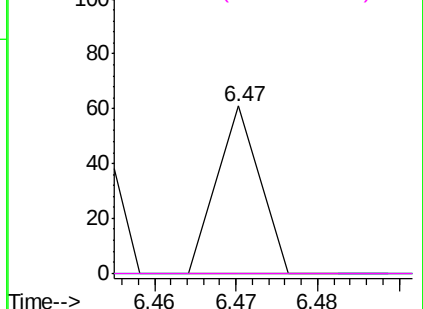
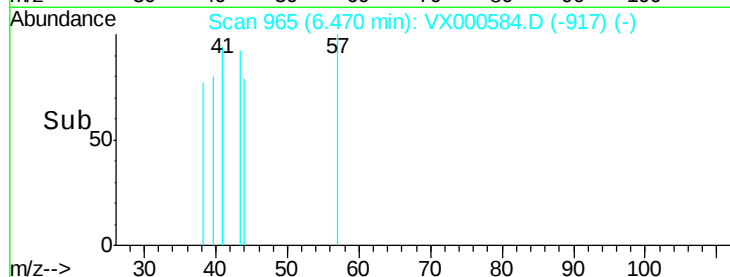
Acq: 31 Mar 2018 11:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	43	Resp:	22
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.955 ug/l

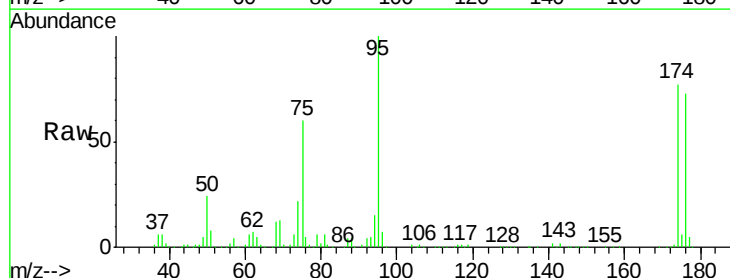
RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

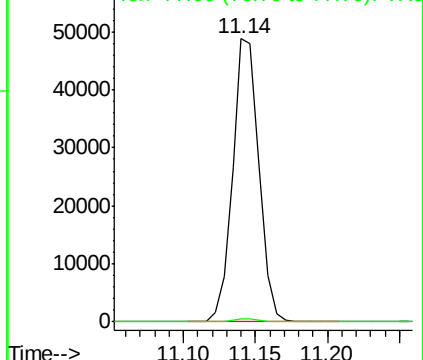
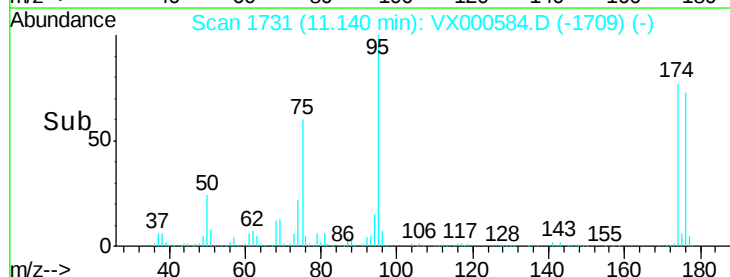
Lab File: VX000584.D

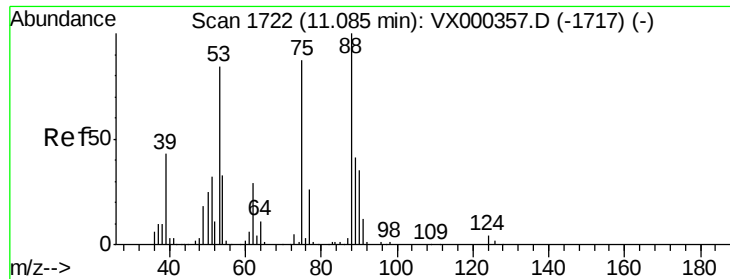
Acq: 31 Mar 2018 11:22

Tgt Ion:	75	Resp:	62198
Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.4	64.2#



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: 74.318 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.05 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

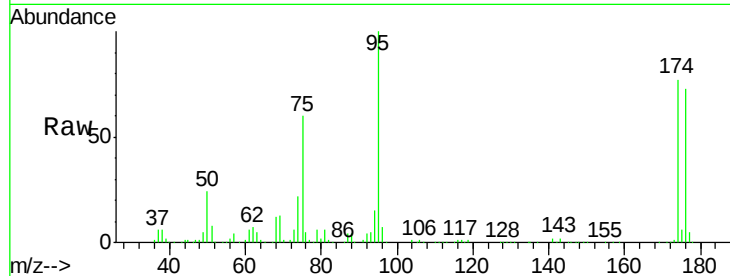
Tot Ion: 75 Resp: 62198

Ion Ratio Lower Upper

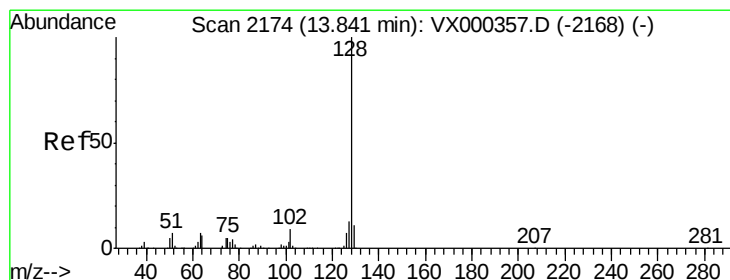
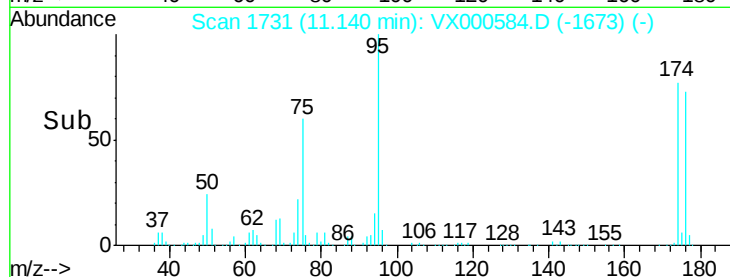
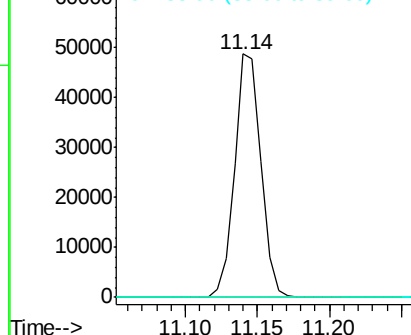
75 100

53 0.0 80.7 121.1#

89 0.2 39.4 59.0#



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



#95

Naphthalene

Concen: 0.311 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000584.D

Acq: 31 Mar 2018 11:22

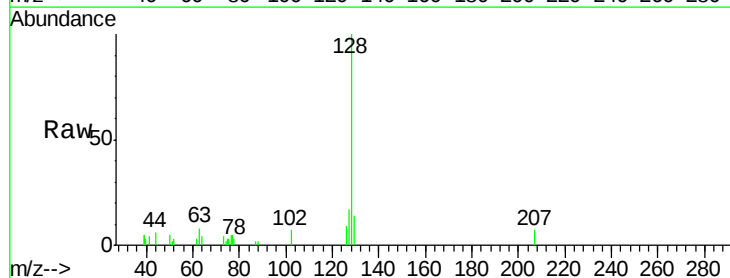
Tgt Ion: 128 Resp: 3199

Ion Ratio Lower Upper

128 100

127 16.6 10.6 15.8#

129 8.4 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

