

Data File : VX001372.D

Acq On : 03 May 2018 21:06

Operator : JC/MD

Sample : J2670-02 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TR-04-050218

Quant Time: May 04 07:17:20 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	152889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	213476	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	193590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	97685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	80022	37.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.62%	
35) Dibromofluoromethane	5.52	113	66824	36.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.66%	
50) Toluene-d8	8.72	98	251081	38.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.42%	
62) 4-Bromofluorobenzene	11.15	95	81643	31.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.14%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	560	Below Cal		87
10) Methyl Iodide	2.52	142	694	4.67 ug/l	#	95
11) Tert butyl alcohol	3.08	59	200	0.55 ug/l	#	49
13) Acrolein	2.29	56	264	1.26 ug/l	#	73
16) Acetone	2.45	43	4098	4.54 ug/l		93
17) Carbon Disulfide	2.57	76	1422	0.36 ug/l		96
18) Methyl Acetate	2.79	43	3827	1.79 ug/l		97
20) Methylene Chloride	2.86	84	1811	Below Cal		84
25) 2-Butanone	4.73	43	1031	0.84 ug/l	#	85
29) Tetrahydrofuran	5.20	42	388	0.52 ug/l	#	46
31) Cyclohexane	5.68	56	3026	1.16 ug/l	#	52
32) 1,1,1-Trichloroethane	5.49	97	563	0.21 ug/l	#	47
36) 1,1-Dichloropropene	5.68	75	9441	3.83 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	13233	5.13 ug/l	#	19
44) Trichloroethene	7.23	130	12348	5.69 ug/l		97
48) Methyl methacrylate	7.81	41	480	0.22 ug/l	#	26
67) Ethyl Benzene	10.26	91	3268	0.38 ug/l		95
68) m/p-Xylenes	10.37	106	6153	1.80 ug/l		97
69) o-Xylene	10.71	106	2928	0.88 ug/l		96
76) 1,2,3-Trichloropropane	11.14	75	41861	23.17 ug/l	#	39
81) trans-1,4-Dichloro-2-buten	11.14	75	41861	73.22 ug/l	#	6
95) Naphthalene	13.84	128	5719	0.80 ug/l		97

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 21 Sample Multiplier: 1

Instrument :

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ClientSampleId :

TR-04-050218

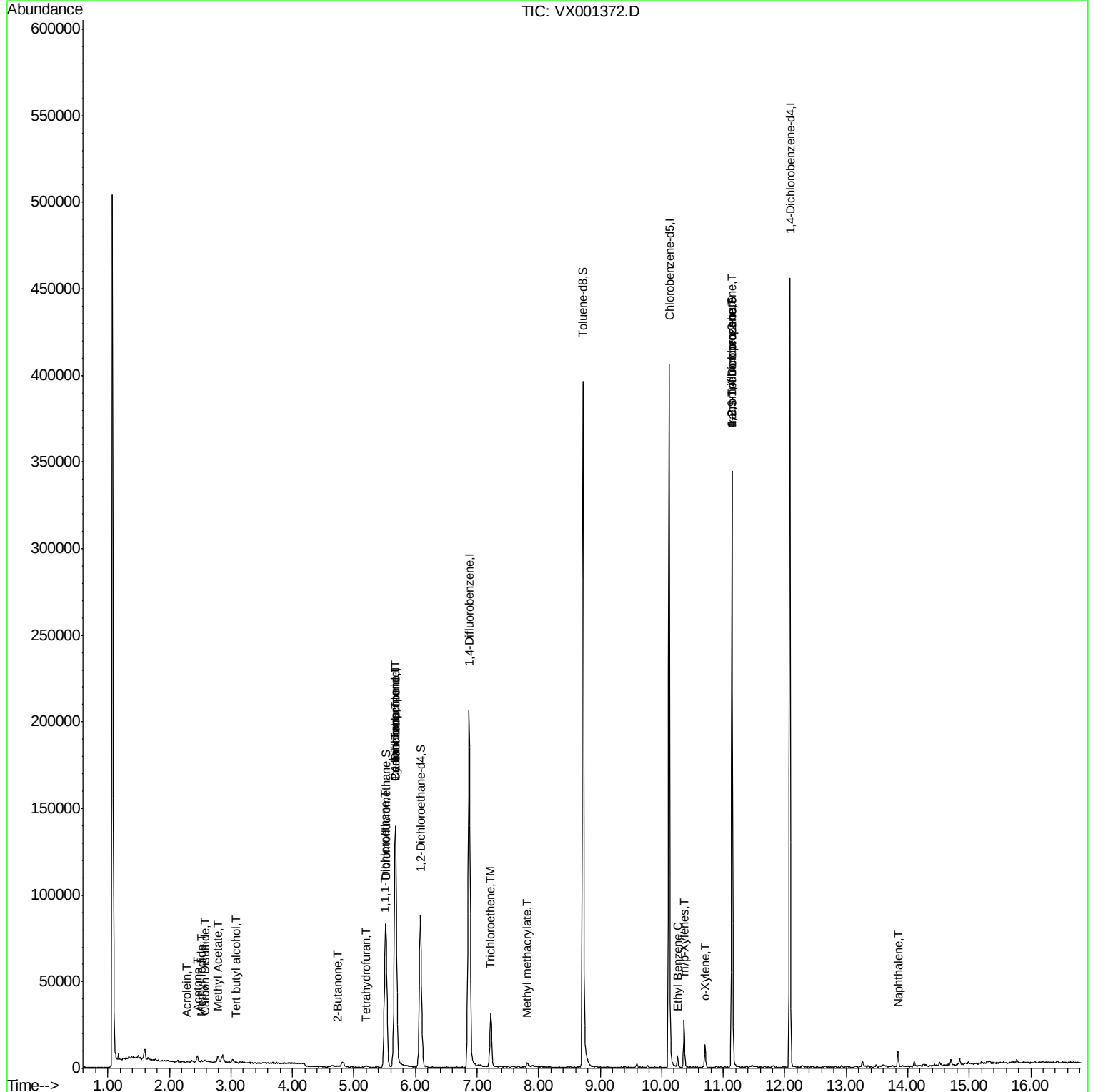
Quant Time: May 04 07:17:20 2018

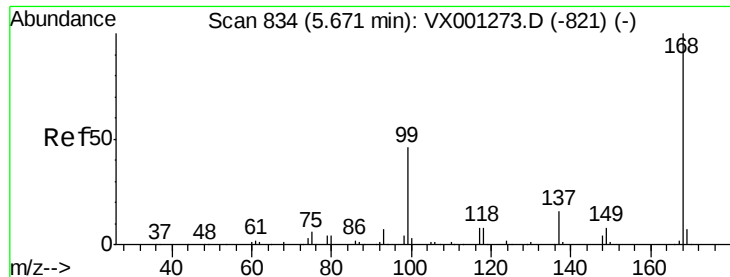
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

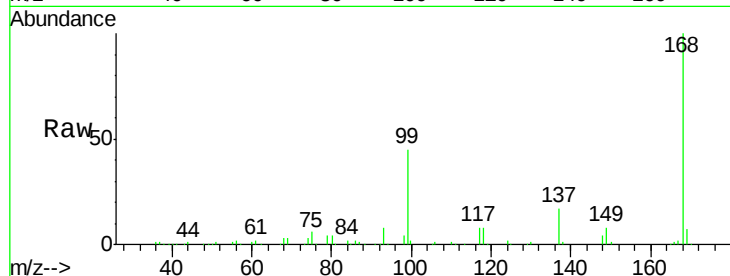
TR-04-050218

Tgt Ion: 168 Resp: 152889

Ion Ratio Lower Upper

168 100

99 45.4 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

60000

50000

40000

30000

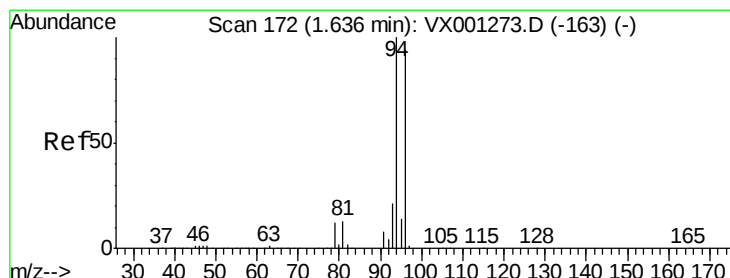
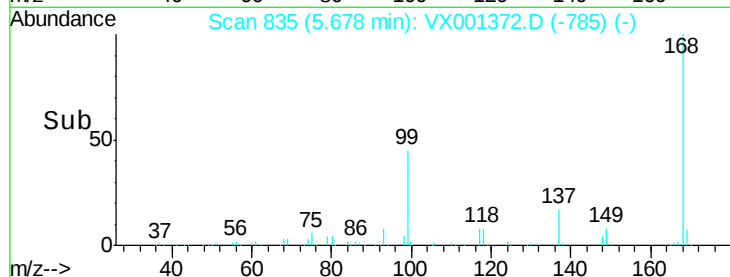
20000

10000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001372.D

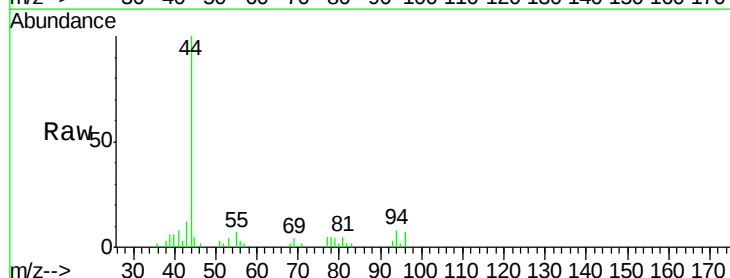
Acq: 03 May 2018 21:06

Tgt Ion: 94 Resp: 560

Ion Ratio Lower Upper

94 100

96 81.6 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

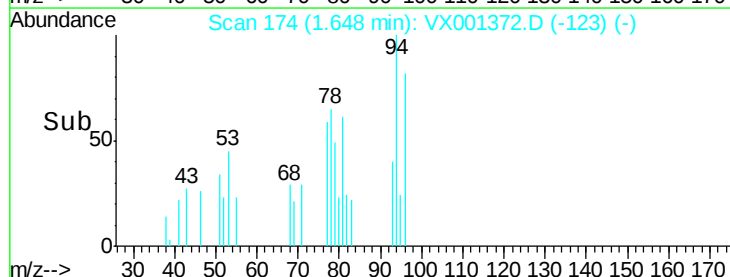
100

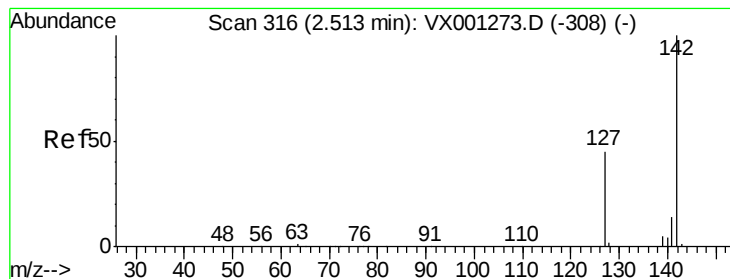
50

0

Time-->

1.60 1.65 1.70

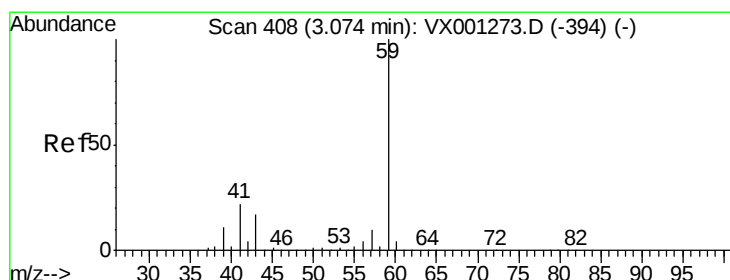
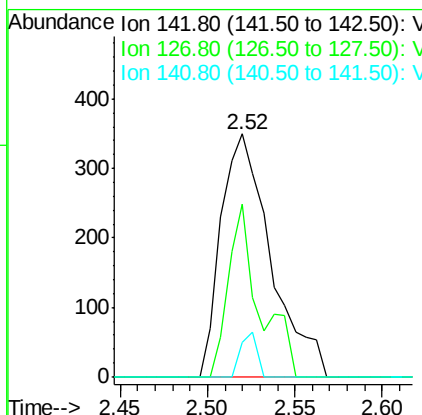
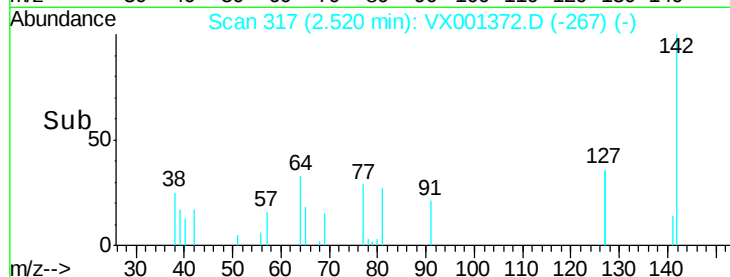
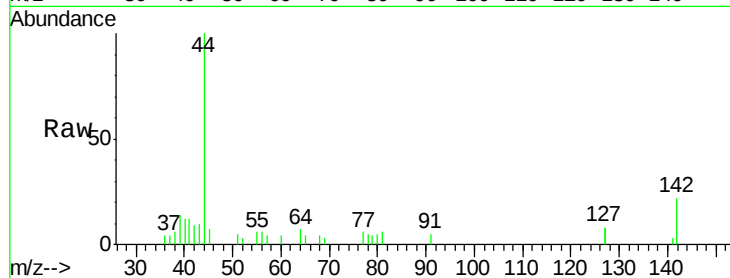




#10
Methyl Iodide
Concen: 4.67 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

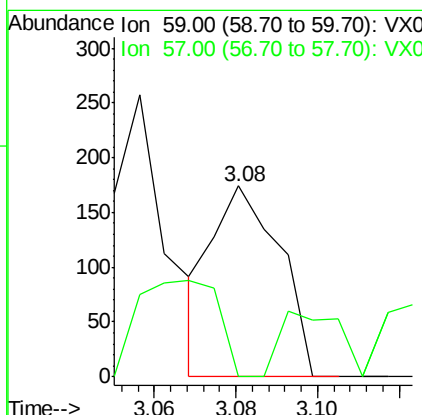
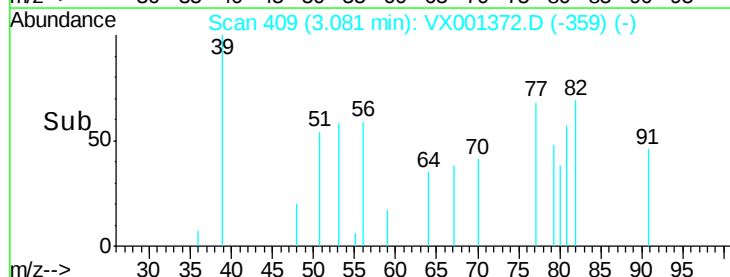
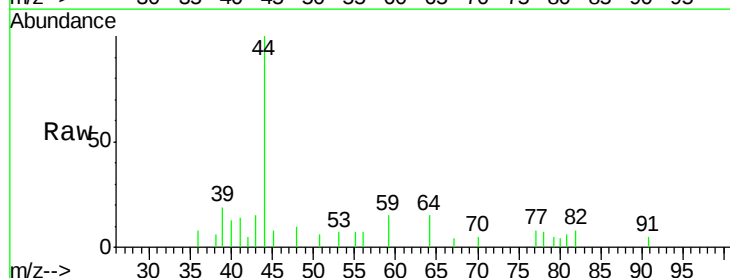
Instrument :
MSVOA_X
ClientSampleId :
TR-04-050218

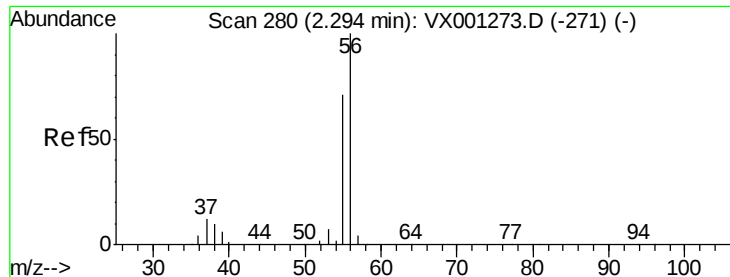
Tgt Ion: 142 Resp: 694
Ion Ratio Lower Upper
142 100
127 44.5 35.7 53.5
141 6.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.55 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 30.0 8.6 12.8#

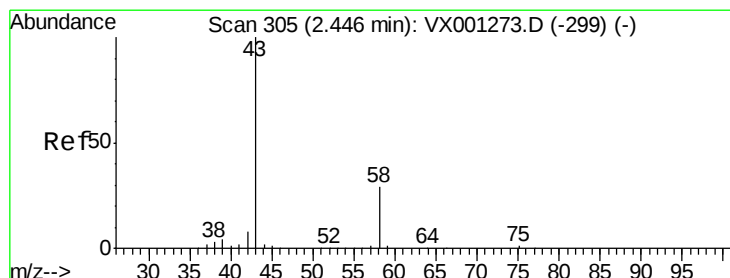
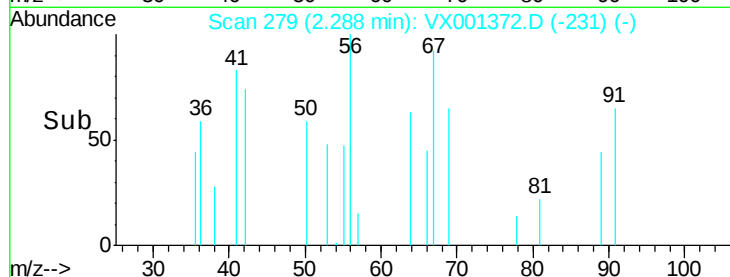
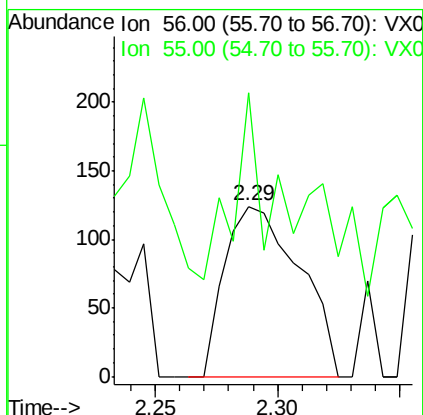
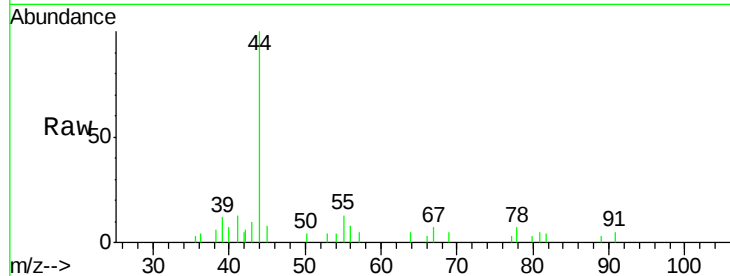




#13
Acrolein
Concen: 1.26 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

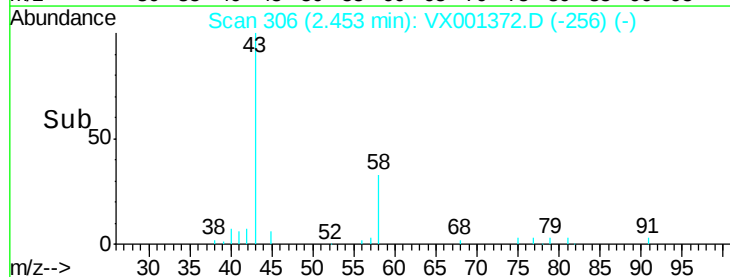
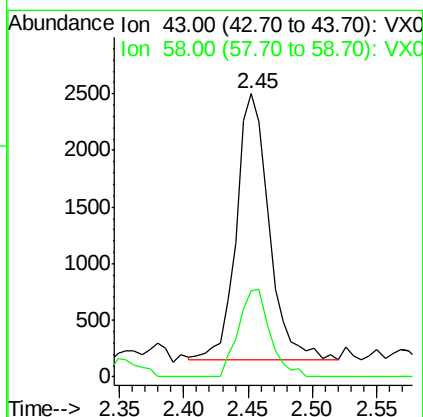
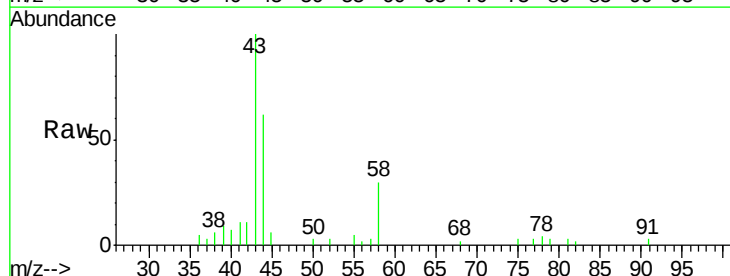
Instrument :
MSVOA_X
ClientSampleId :
TR-04-050218

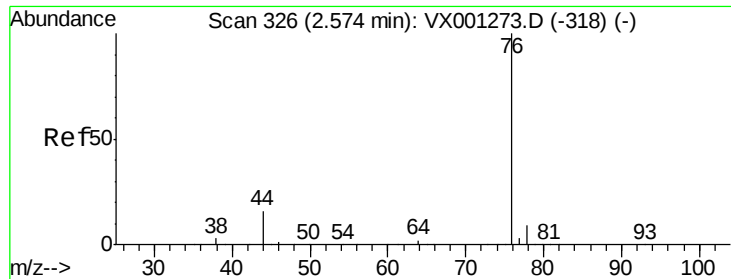
Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 48.9 57.2 85.8#



#16
Acetone
Concen: 4.54 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

Tgt Ion: 43 Resp: 4098
Ion Ratio Lower Upper
43 100
58 32.5 22.8 34.2

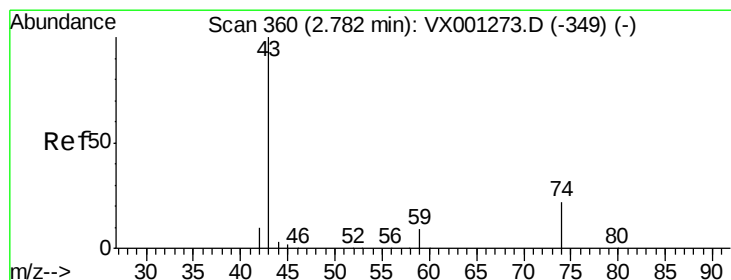
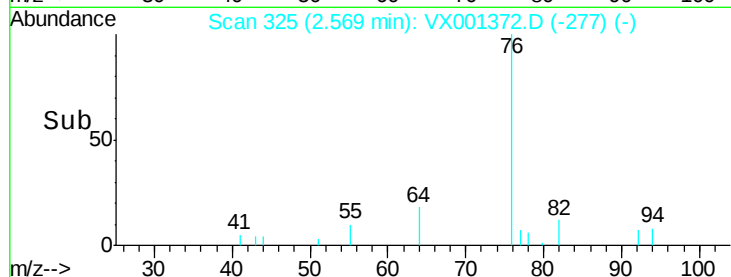
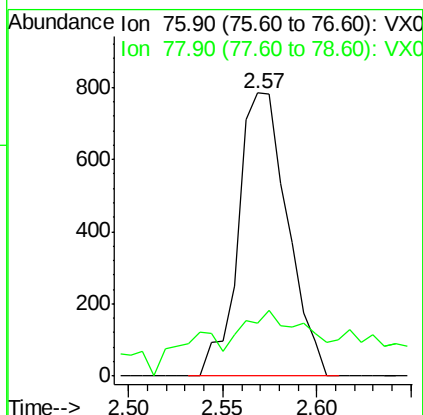
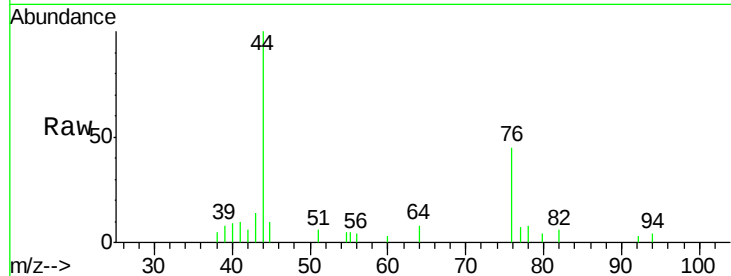




#17
Carbon Disulfide
Concen: 0.36 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

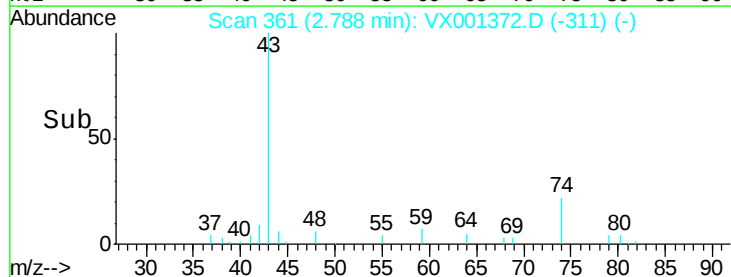
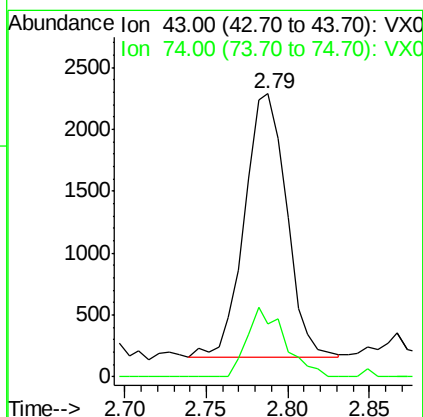
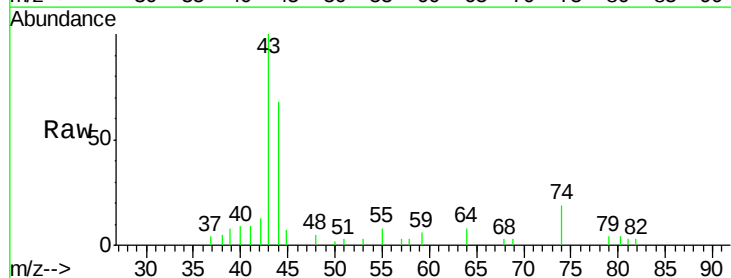
Instrument :
MSVOA_X
ClientSampleId :
TR-04-050218

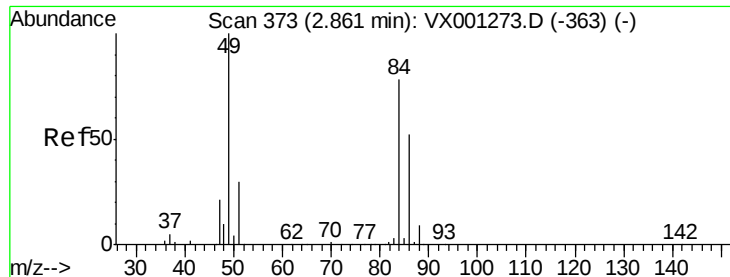
Tgt Ion: 76 Resp: 1422
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.4



#18
Methyl Acetate
Concen: 1.79 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

Tgt Ion: 43 Resp: 3827
Ion Ratio Lower Upper
43 100
74 23.6 17.8 26.6

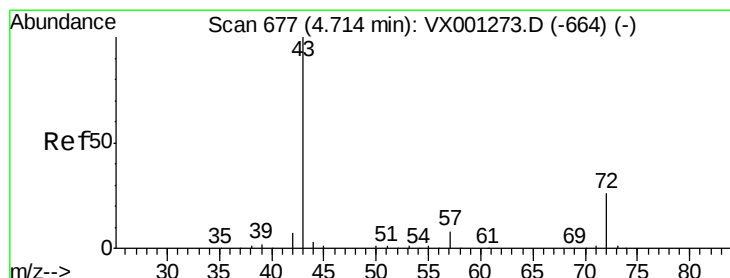
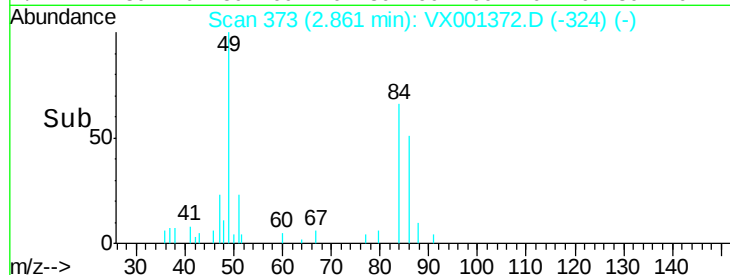
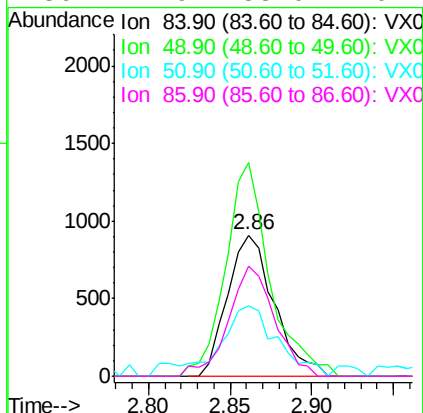
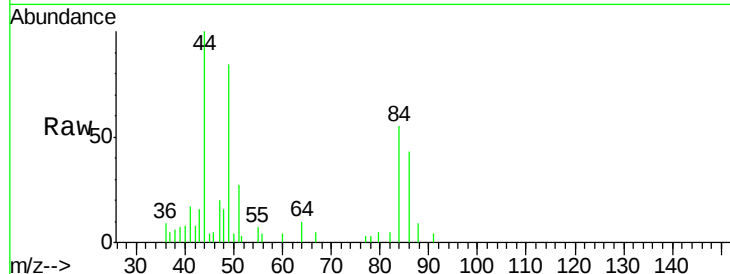




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

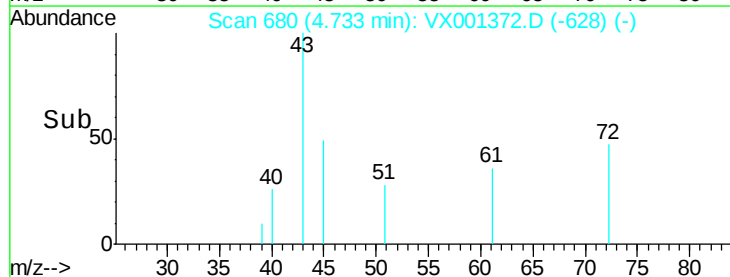
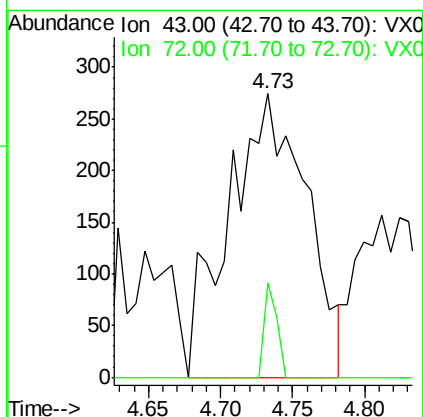
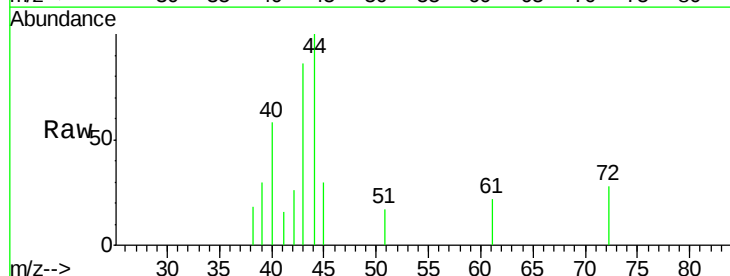
Instrument :
MSVOA_X
ClientSampleId :
TR-04-050218

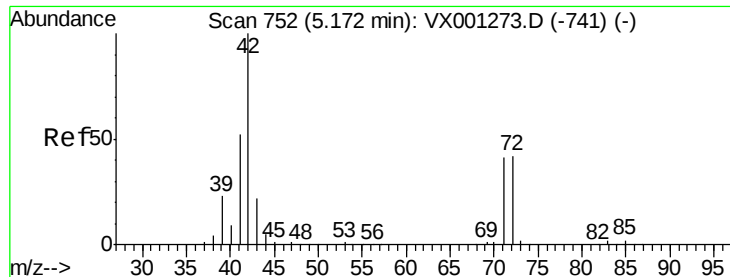
Tgt Ion: 84 Resp: 1811
Ion Ratio Lower Upper
84 100
49 151.5 102.8 154.2
51 42.1 30.9 46.3
86 77.9 53.0 79.4



#25
2-Butanone
Concen: 0.84 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
72 33.2 20.5 30.7#





#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

TR-04-050218

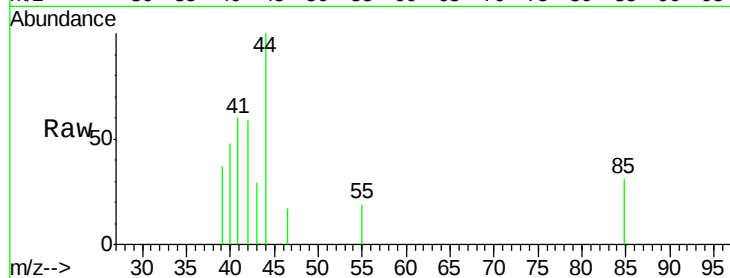
Tgt Ion: 42 Resp: 388

Ion Ratio Lower Upper

42 100

72 5.9 34.6 52.0#

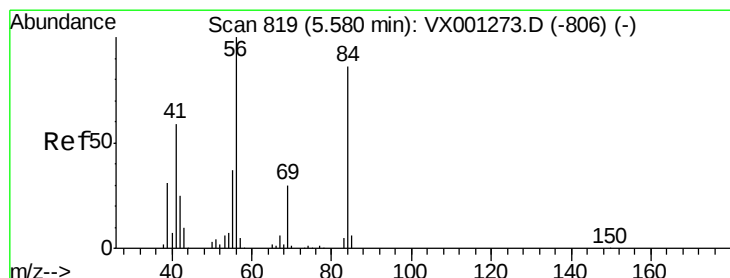
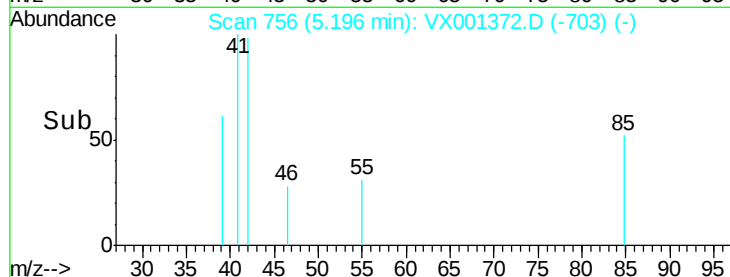
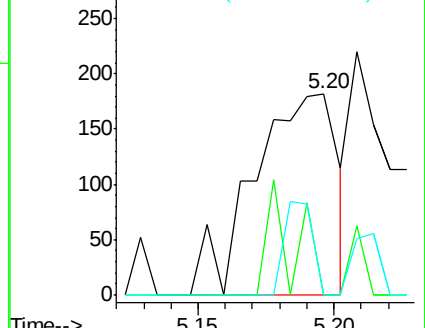
71 10.1 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.16 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

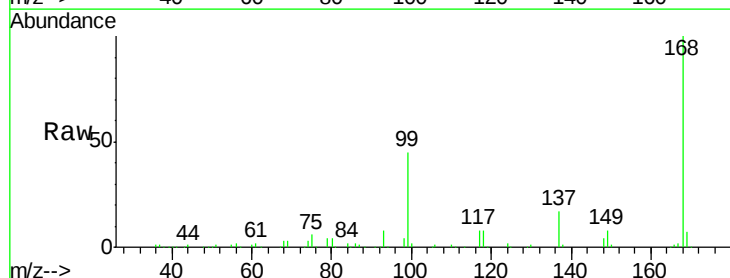
Tgt Ion: 56 Resp: 3026

Ion Ratio Lower Upper

56 100

69 129.6 24.0 36.0#

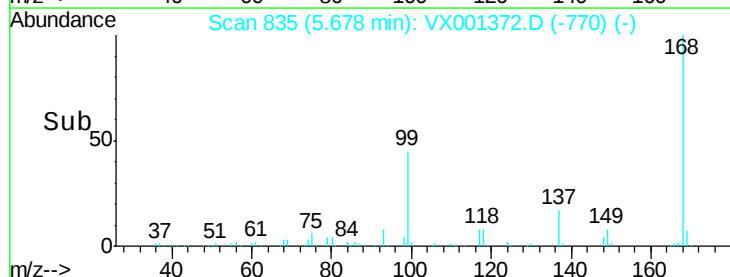
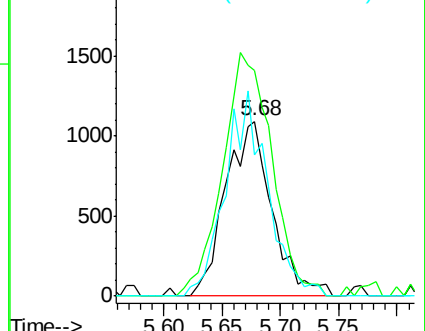
84 87.1 69.0 103.4

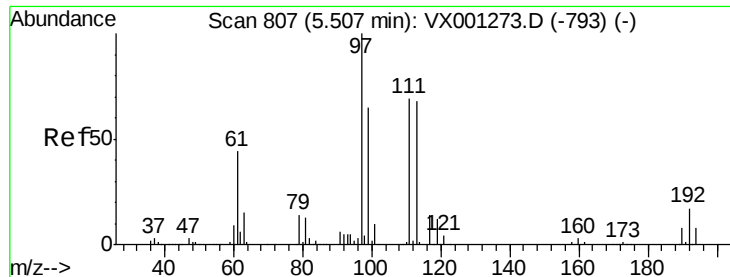


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#32

1,1,1-Trichloroethane

Concen: 0.21 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

TR-04-050218

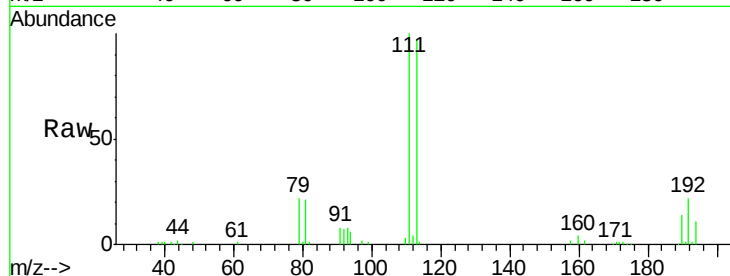
Tgt Ion: 97 Resp: 563

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

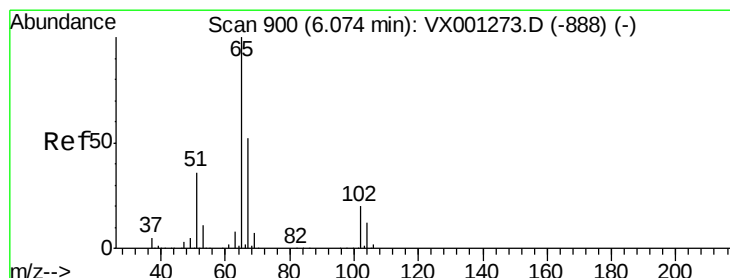
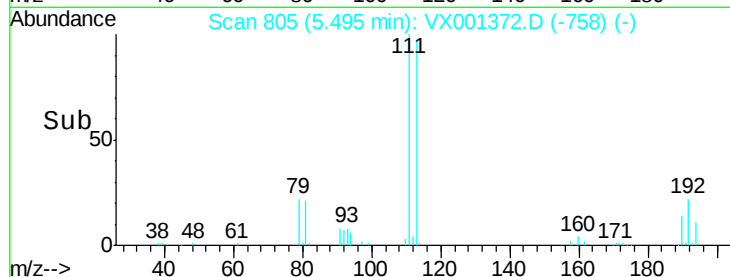
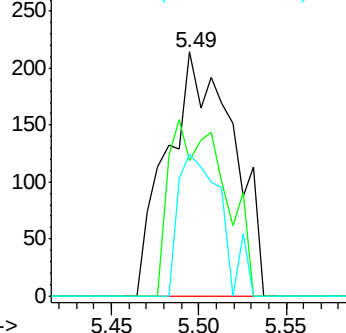
61 38.4 35.4 53.2



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 37.81 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001372.D

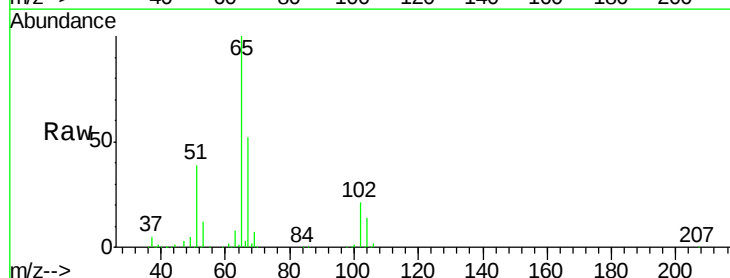
Acq: 03 May 2018 21:06

Tgt Ion: 65 Resp: 80022

Ion Ratio Lower Upper

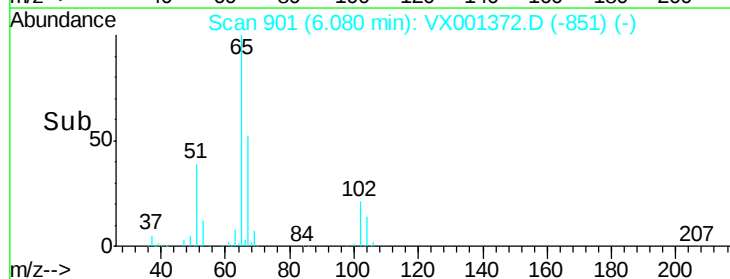
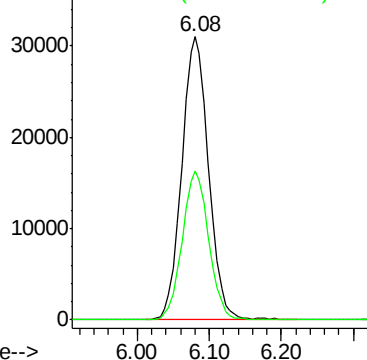
65 100

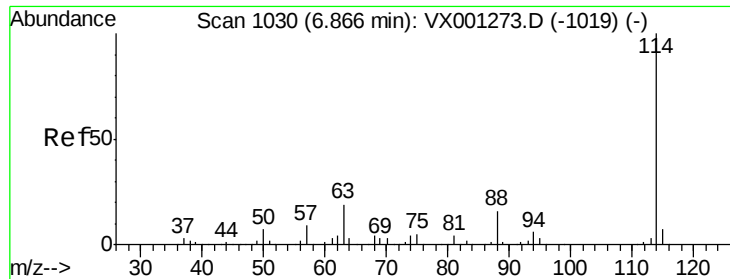
67 52.2 0.0 102.8



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# 1031

Delta R.T. 0.01 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

TR-04-050218

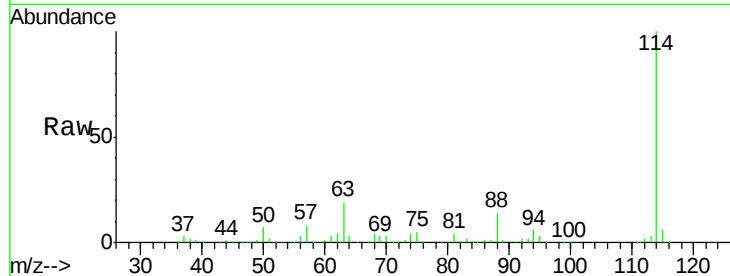
Tgt Ion:114 Resp: 213476

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

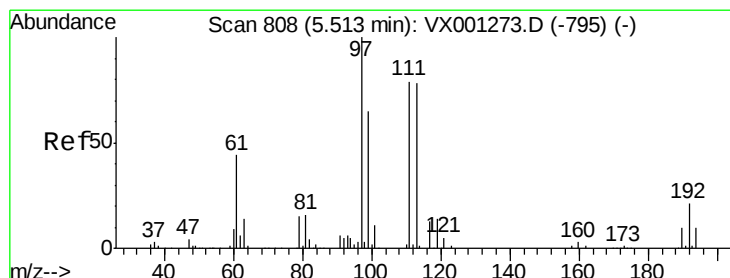
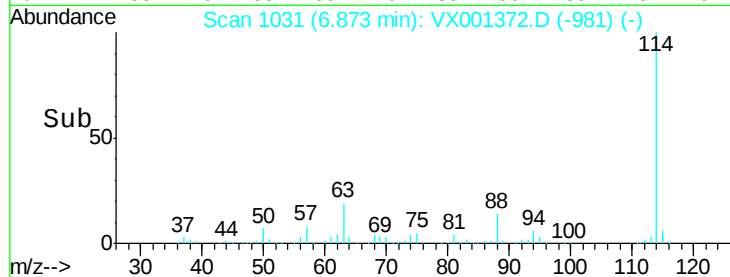
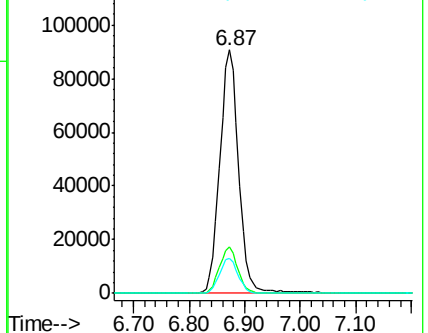
88 14.4 0.0 32.2



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: 36.33 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

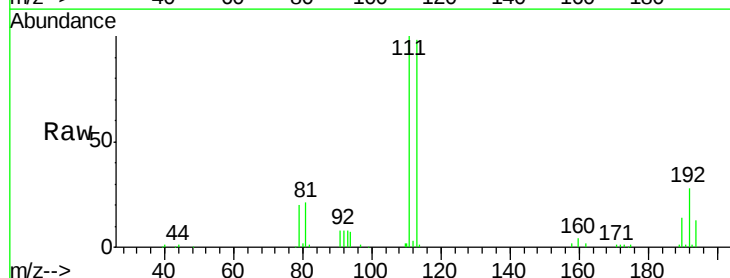
Tgt Ion:113 Resp: 66824

Ion Ratio Lower Upper

113 100

111 102.0 81.2 121.8

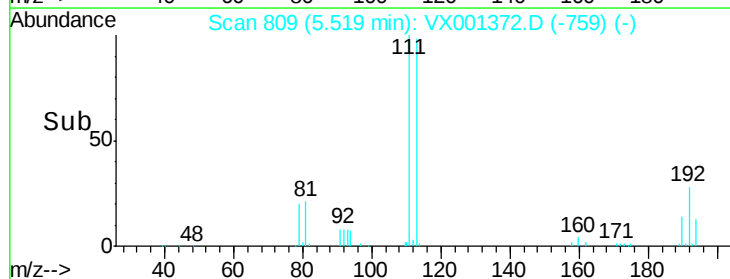
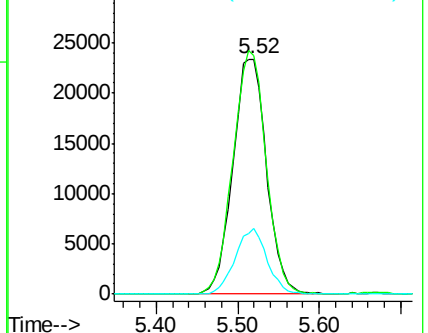
192 26.4 20.7 31.1

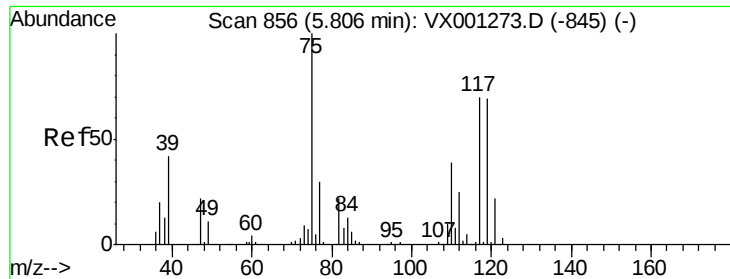


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

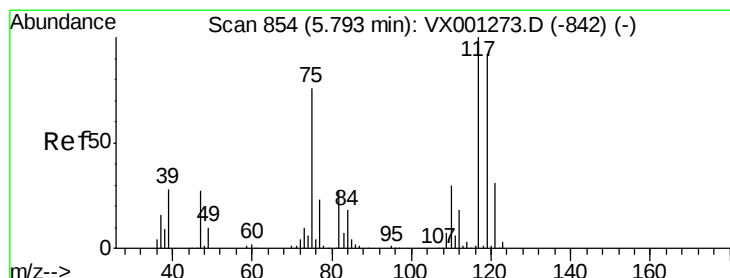
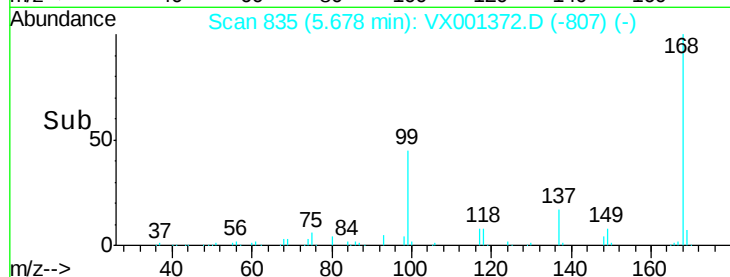
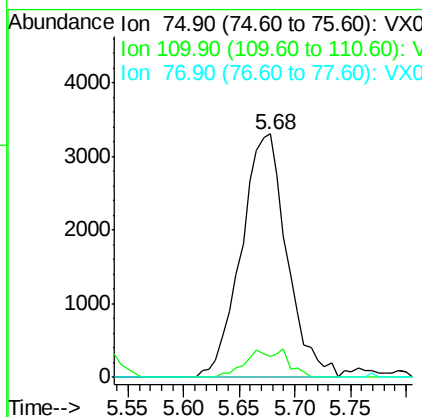
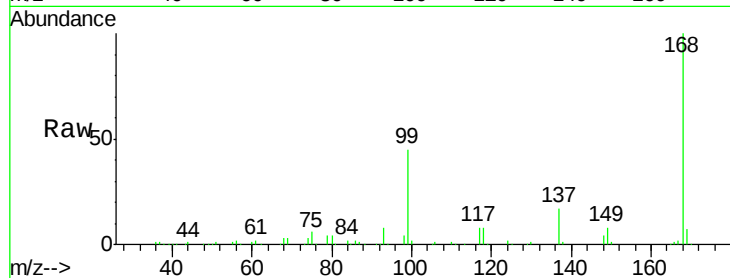




#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX001372.D
 Acq: 03 May 2018 21:06

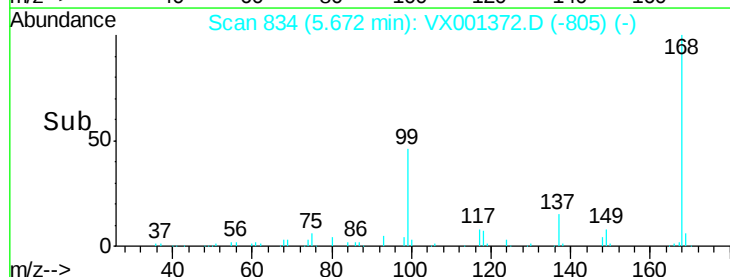
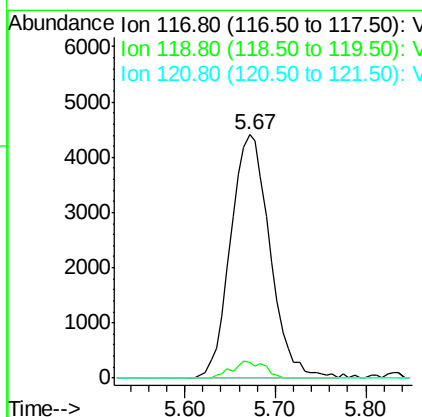
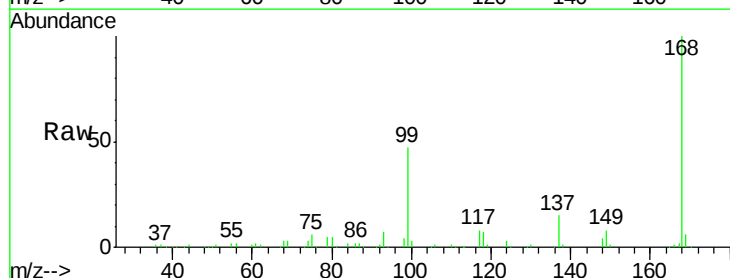
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-04-050218

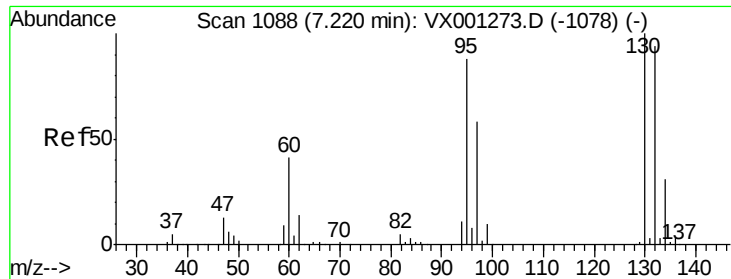
Tgt Ion: 75 Resp: 9441
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.9 56.9#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.13 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001372.D
 Acq: 03 May 2018 21:06

Tgt Ion: 117 Resp: 13233
 Ion Ratio Lower Upper
 117 100
 119 6.6 73.4 110.2#
 121 0.0 25.0 37.4#





#44

Trichloroethene

Concen: 5.69 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

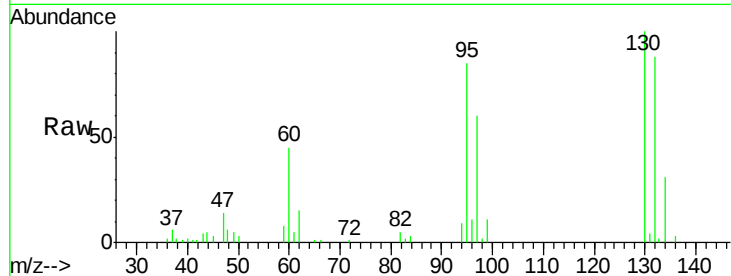
TR-04-050218

Tgt Ion:130 Resp: 12348

Ion Ratio Lower Upper

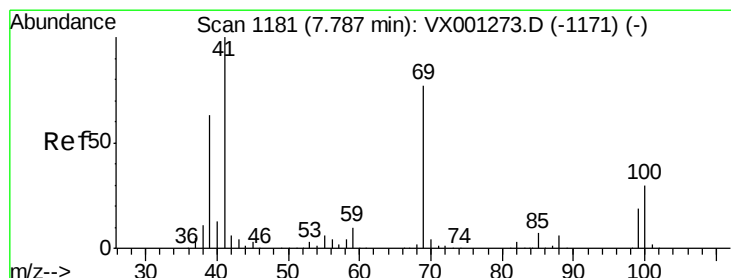
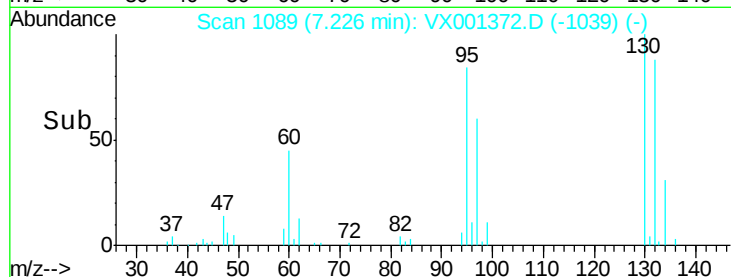
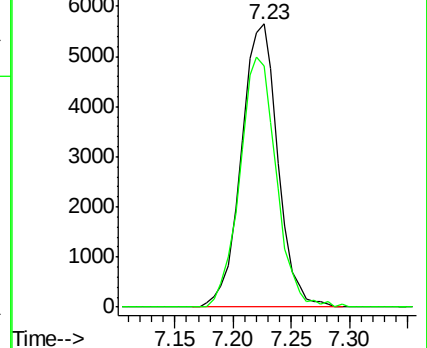
130 100

95 85.2 0.0 176.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 0.22 ug/l

RT: 7.81 min Scan# 1184

Delta R.T. 0.02 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

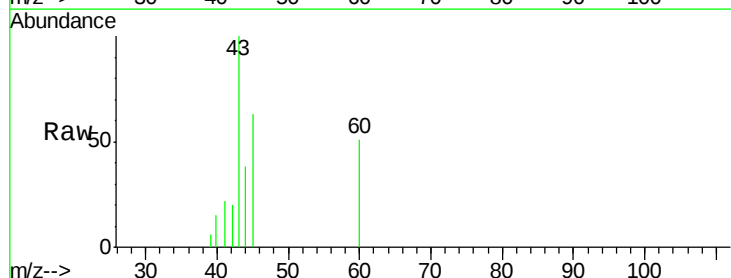
Tgt Ion: 41 Resp: 480

Ion Ratio Lower Upper

41 100

69 0.0 63.0 94.6#

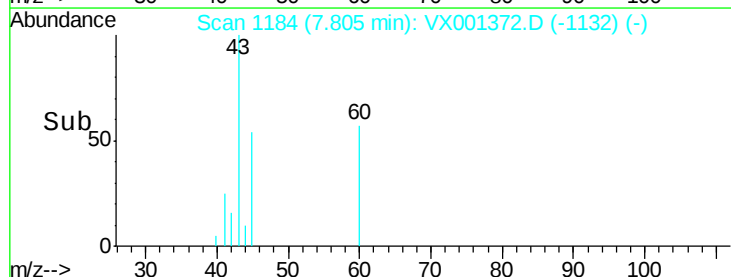
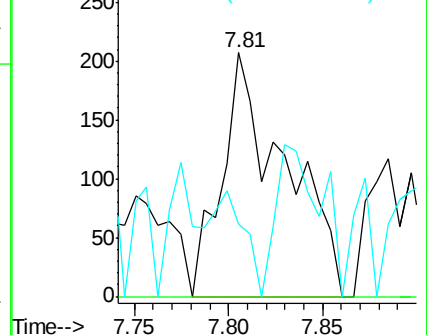
39 21.0 50.2 75.4#

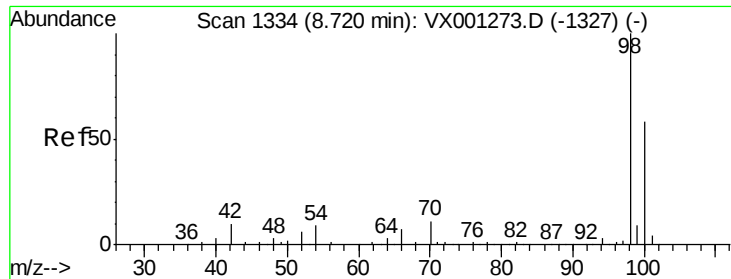


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

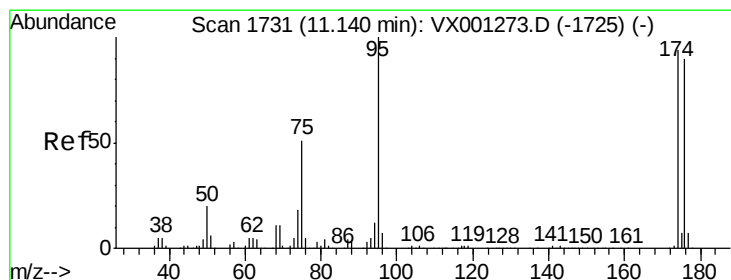
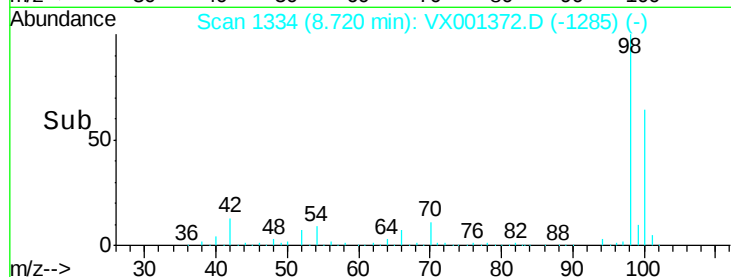
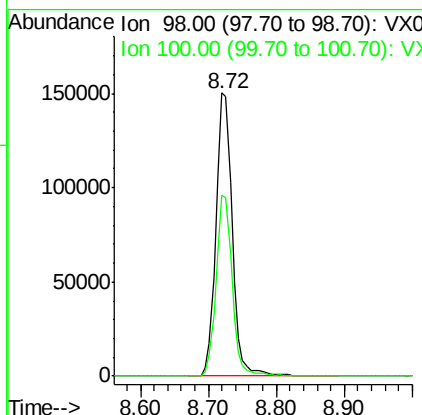
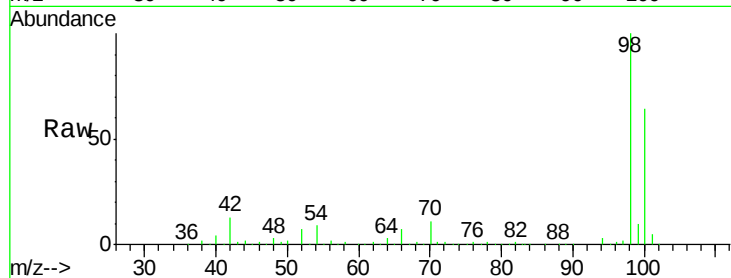




#50
Toluene-d8
Concen: 38.21 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

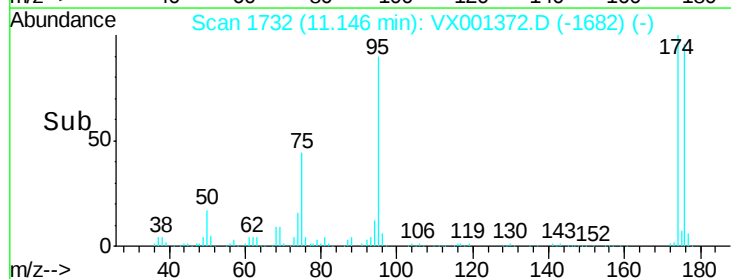
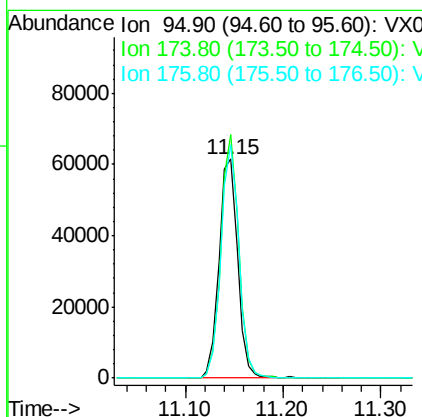
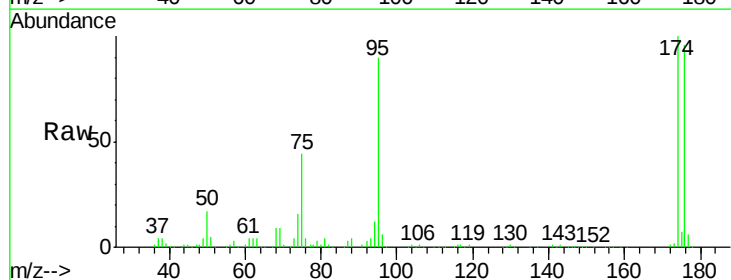
Instrument :
MSVOA_X
ClientSampleId :
TR-04-050218

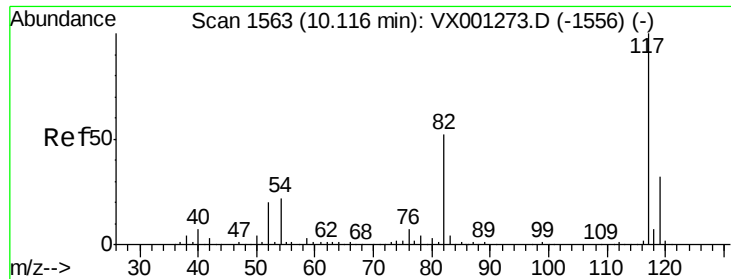
Tgt Ion: 98 Resp: 251081
Ion Ratio Lower Upper
98 100
100 63.3 51.0 76.4



#62
4-Bromofluorobenzene
Concen: 31.07 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

Tgt Ion: 95 Resp: 81643
Ion Ratio Lower Upper
95 100
174 105.7 0.0 201.8
176 103.2 0.0 197.2

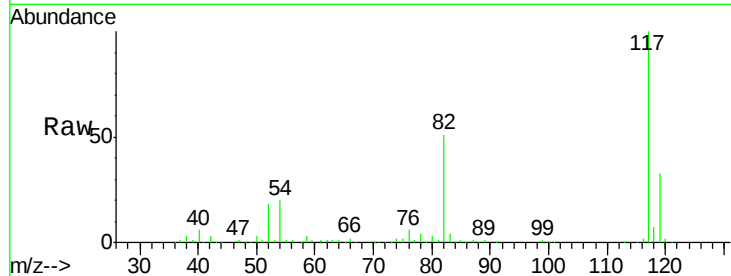




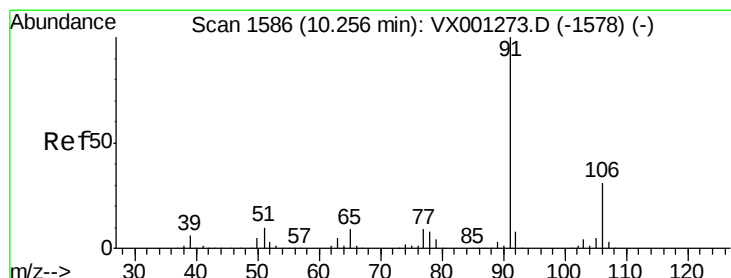
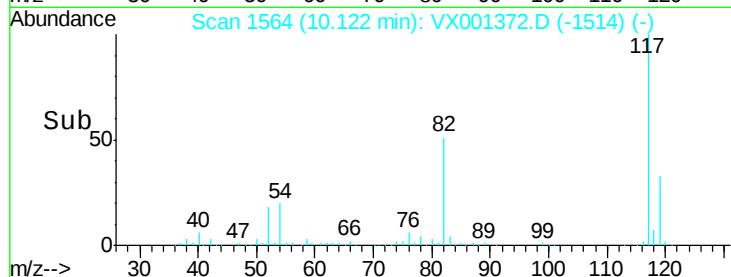
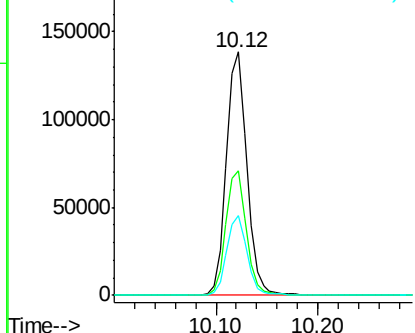
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

Instrument :
MSVOA_X
ClientSampleId :
TR-04-050218

Tgt Ion: 117 Resp: 193590
Ion Ratio Lower Upper
117 100
82 51.3 41.4 62.0
119 32.9 25.5 38.3

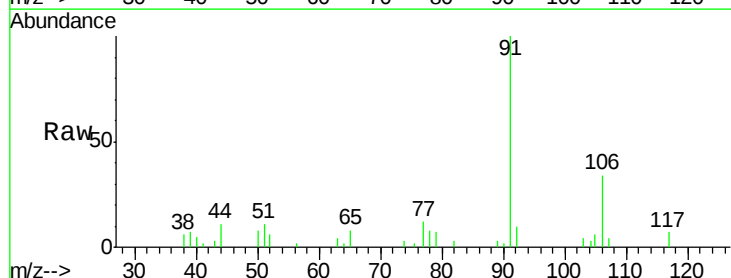


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

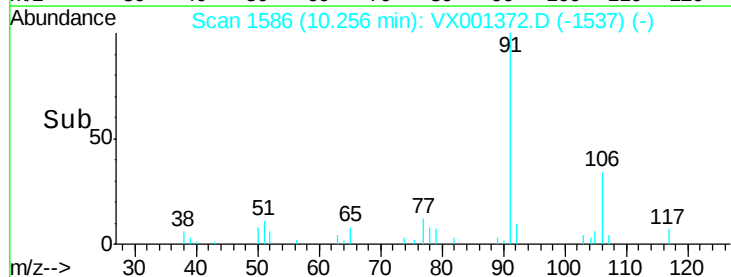
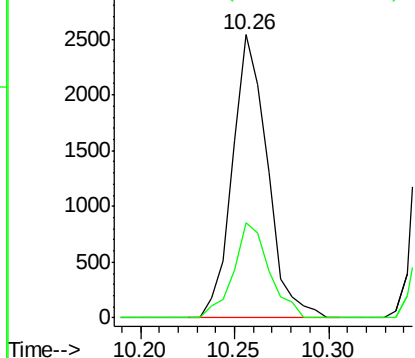


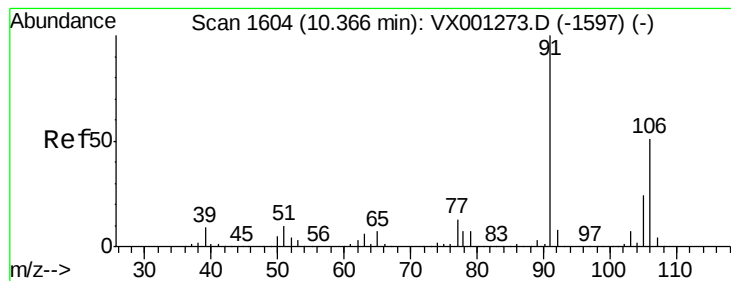
#67
Ethyl Benzene
Concen: 0.38 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001372.D
Acq: 03 May 2018 21:06

Tgt Ion: 91 Resp: 3268
Ion Ratio Lower Upper
91 100
106 33.8 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.80 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

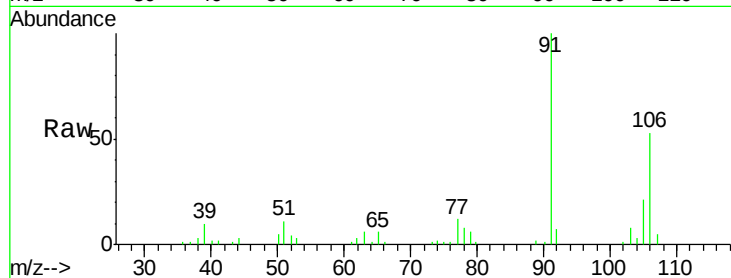
TR-04-050218

Tgt Ion:106 Resp: 6153

Ion Ratio Lower Upper

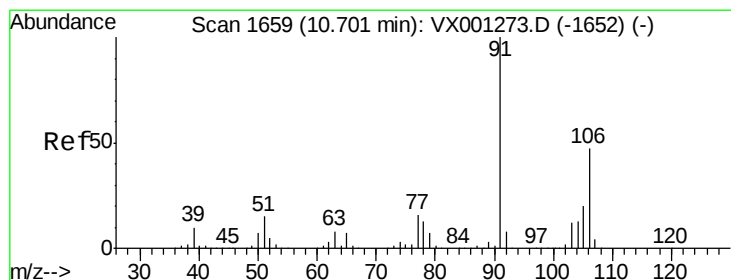
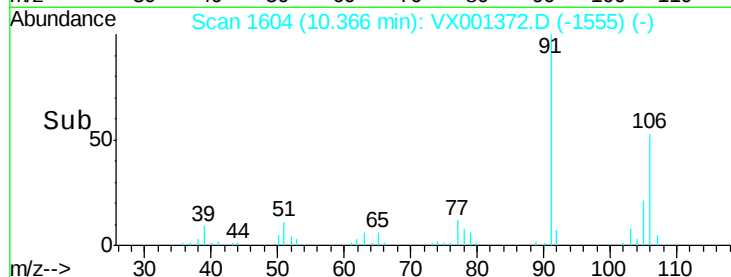
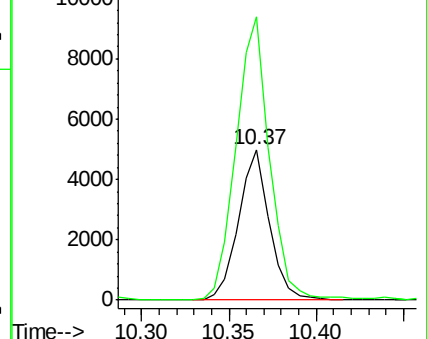
106 100

91 203.4 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.88 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX001372.D

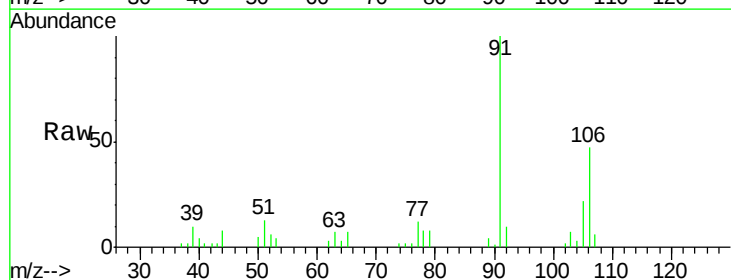
Acq: 03 May 2018 21:06

Tgt Ion:106 Resp: 2928

Ion Ratio Lower Upper

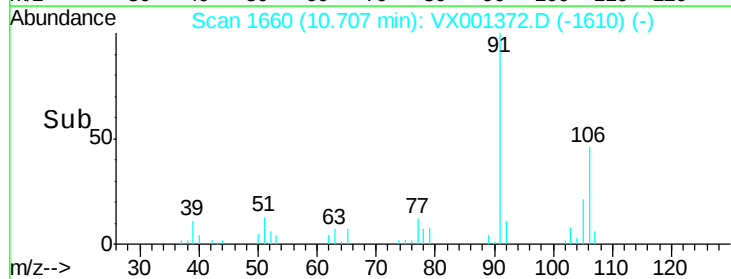
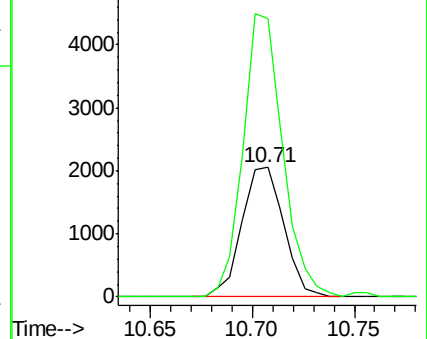
106 100

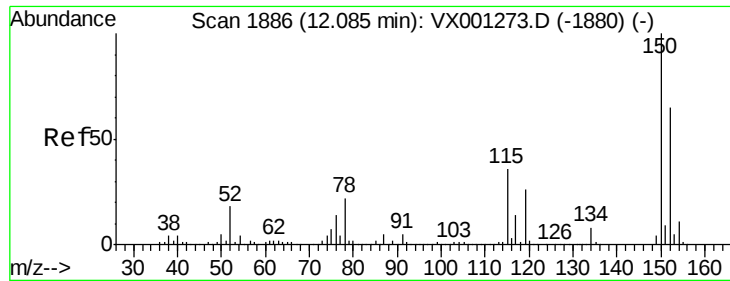
91 206.4 106.3 319.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

TR-04-050218

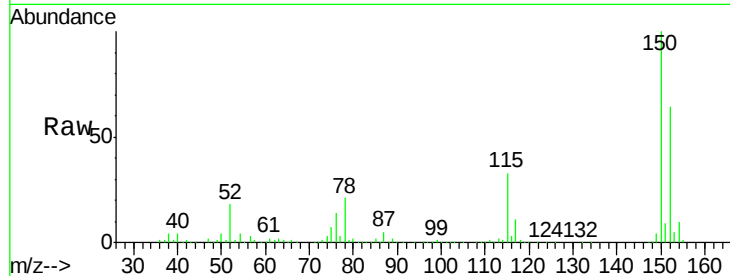
Tgt Ion:152 Resp: 97685

Ion Ratio Lower Upper

152 100

115 51.4 38.6 115.7

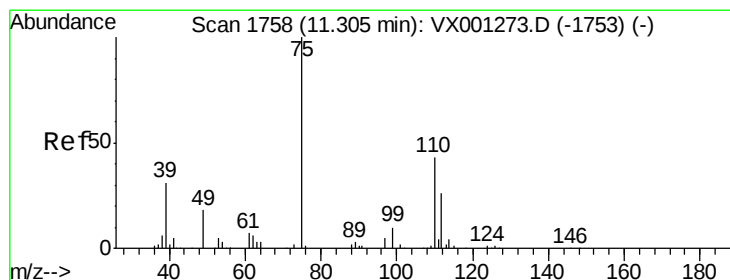
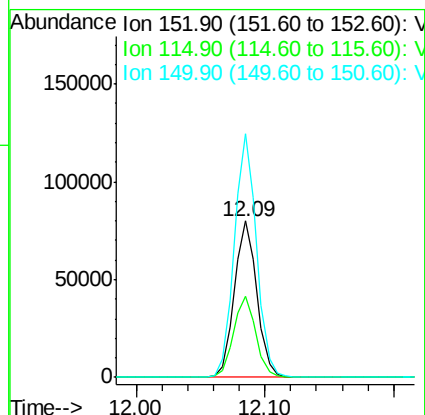
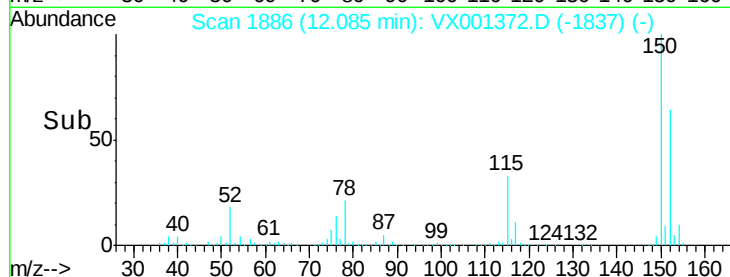
150 153.9 0.0 349.2



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: 23.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001372.D

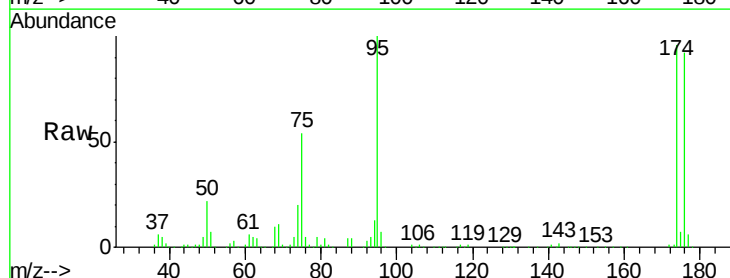
Acq: 03 May 2018 21:06

Tgt Ion: 75 Resp: 41861

Ion Ratio Lower Upper

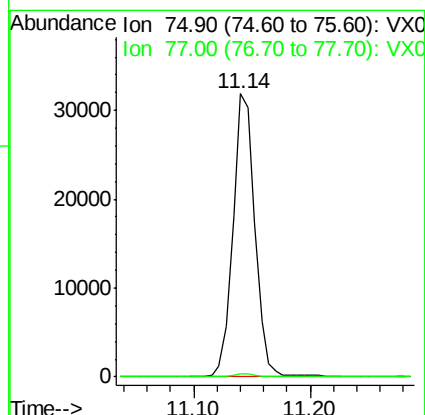
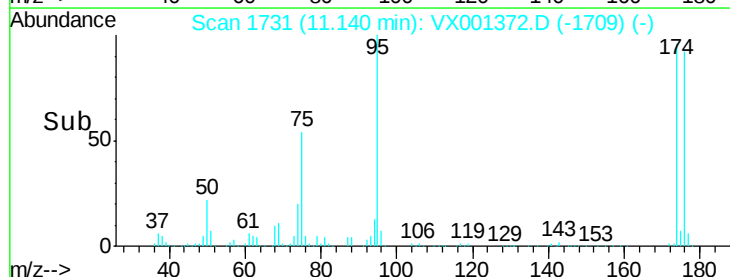
75 100

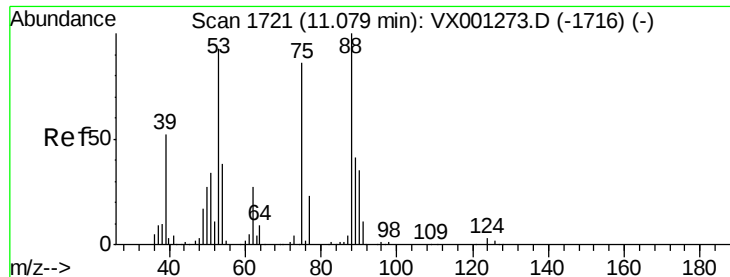
77 1.2 18.9 56.5#



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: 73.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

TR-04-050218

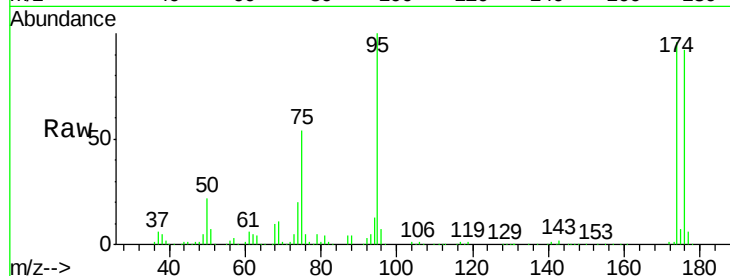
Tgt Ion: 75 Resp: 41861

Ion Ratio Lower Upper

75 100

53 0.0 87.1 130.7#

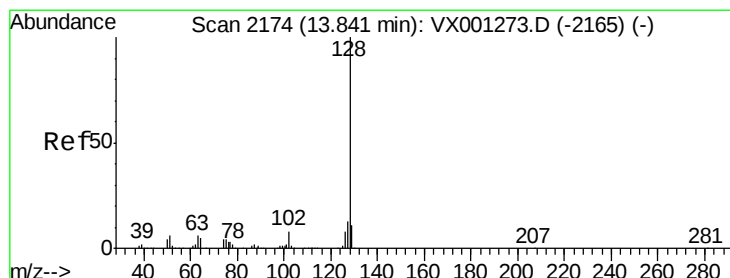
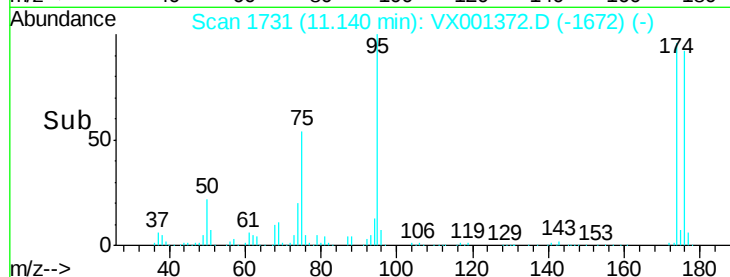
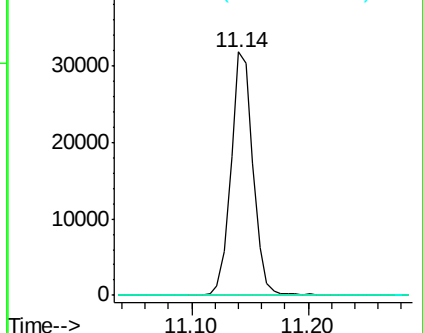
89 0.0 38.9 58.3#



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



#95

Naphthalene

Concen: 0.80 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001372.D

Acq: 03 May 2018 21:06

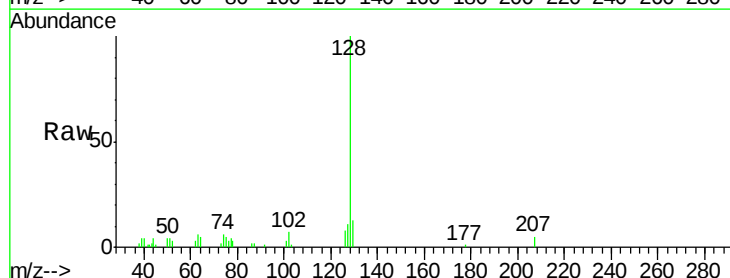
Tgt Ion: 128 Resp: 5719

Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

129 11.9 8.7 13.1



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

