

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005655.D
 Acq On : 29 Oct 2018 12:52
 Operator : JC/MD
 Sample : J5692-14 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ458S-20181025

Quant Time: Oct 30 01:57:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	233646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146969	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	136548	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	5.50	113	121236	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	8.71	98	414755	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
62) 4-Bromofluorobenzene	11.14	95	134784	40.56	ug/l	0.00
Spiked Amount			Recovery	=	81.12%	

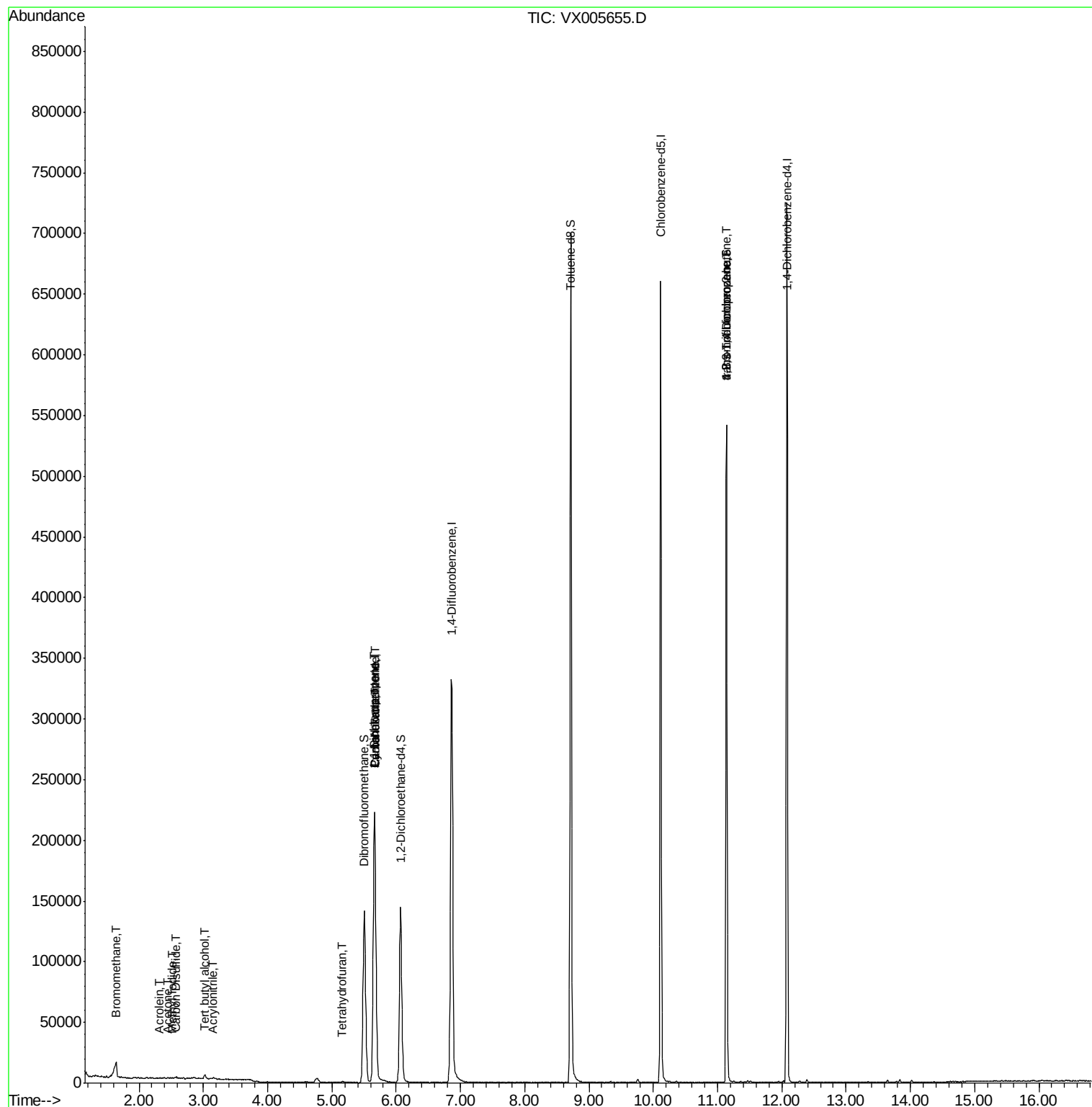
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	905	0.504	ug/l #	77
10) Methyl Iodide	2.51	142	619	2.969	ug/l #	90
11) Tert butyl alcohol	3.03	59	2295	2.990	ug/l #	82
13) Acrolein	2.31	56	259	0.662	ug/l	89
15) Acrylonitrile	3.15	53	598	0.347	ug/l #	71
16) Acetone	2.45	43	711	0.472	ug/l #	87
17) Carbon Disulfide	2.57	76	1509	0.226	ug/l #	88
18) Methyl Acetate	2.78	43	434	Below Cal	#	77
29) Tetrahydrofuran	5.17	42	826	0.553	ug/l #	63
31) Cyclohexane	5.67	56	4457	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16712	4.762	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22155	5.993	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	69076	22.183	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	69076	72.483	ug/l #	9

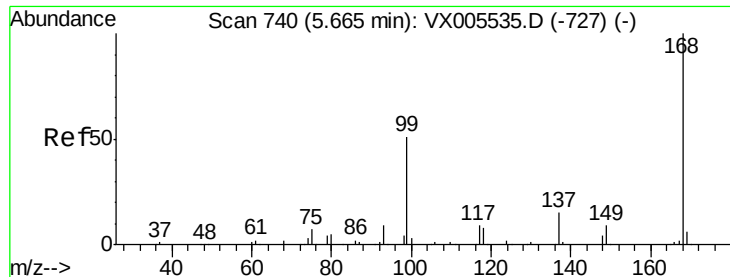
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005655.D

Acq: 29 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

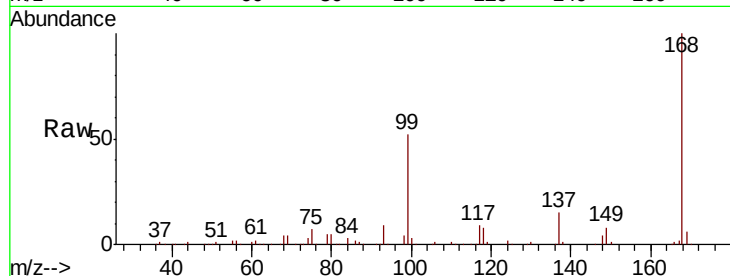
FT-PZ458S-20181025

Tot Ion:168 Resp: 233646

Ion Ratio Lower Upper

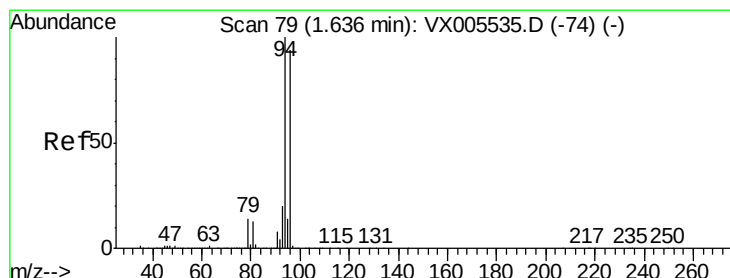
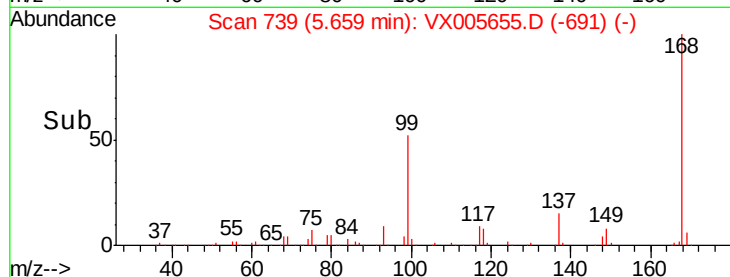
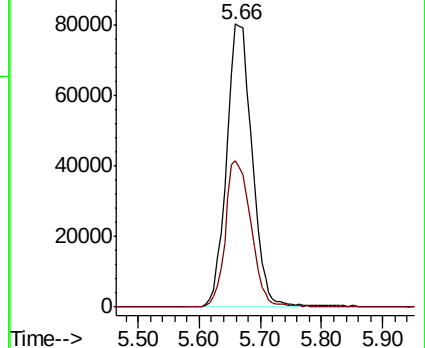
168 100

99 51.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.504 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005655.D

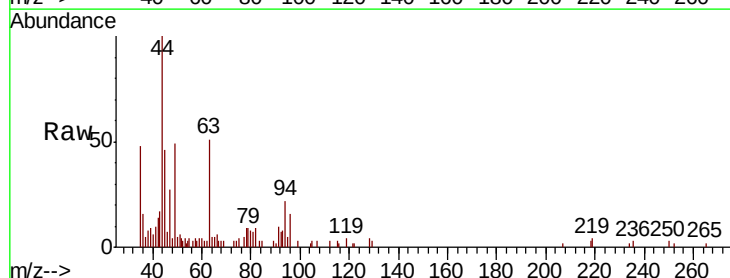
Acq: 29 Oct 2018 12:52

Tgt Ion: 94 Resp: 905

Ion Ratio Lower Upper

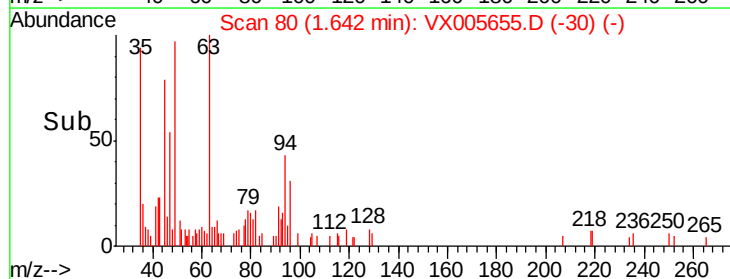
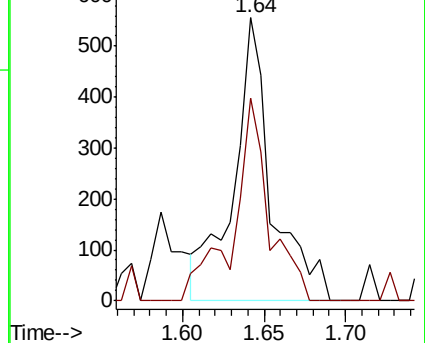
94 100

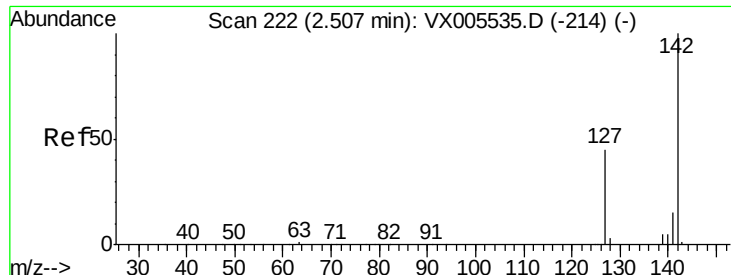
96 71.6 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

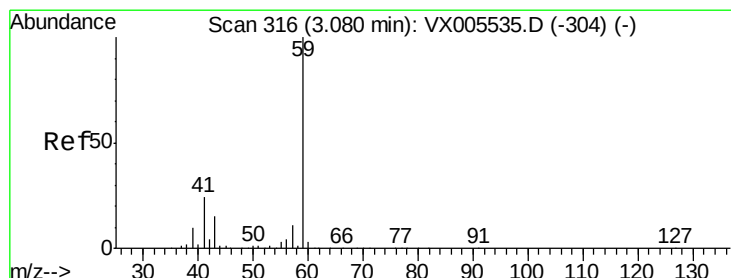
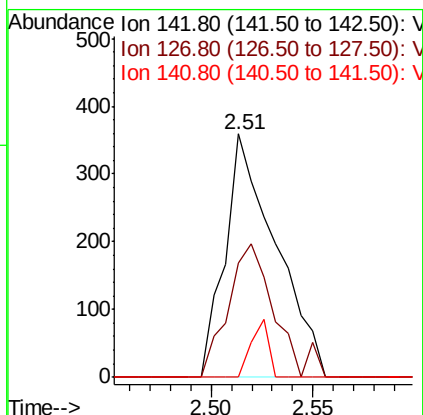
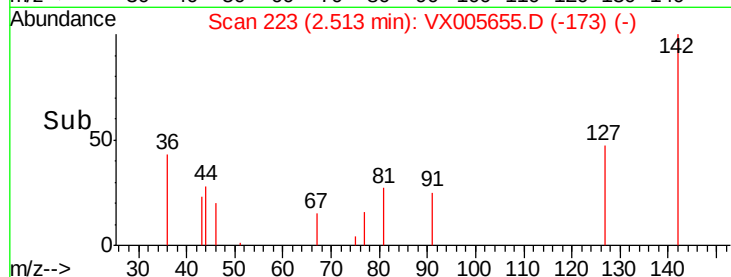
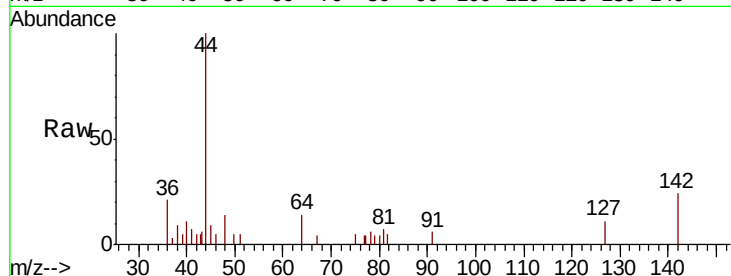




#10
Methyl Iodide
Concen: 2.969 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005655.D
Acq: 29 Oct 2018 12:52

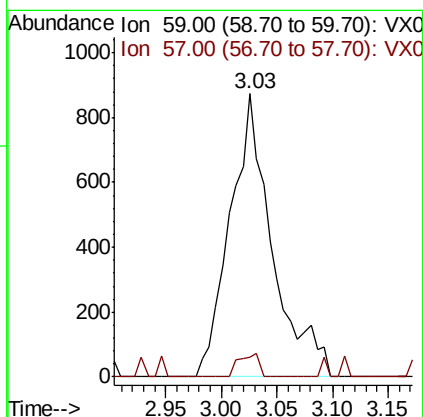
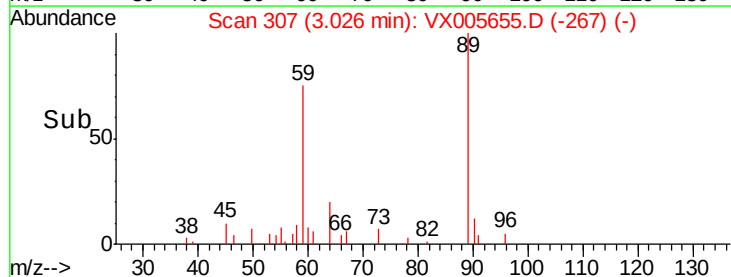
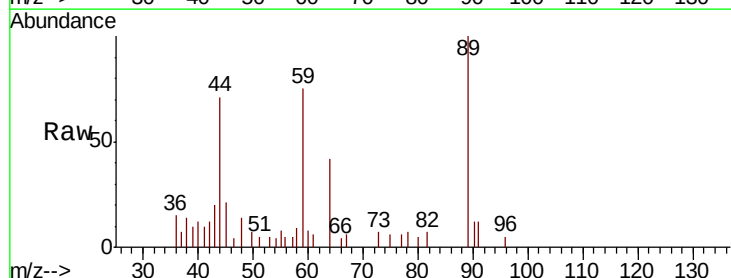
Instrument :
MSVOA_X
ClientSampleId :
FT-PZ458S-20181025

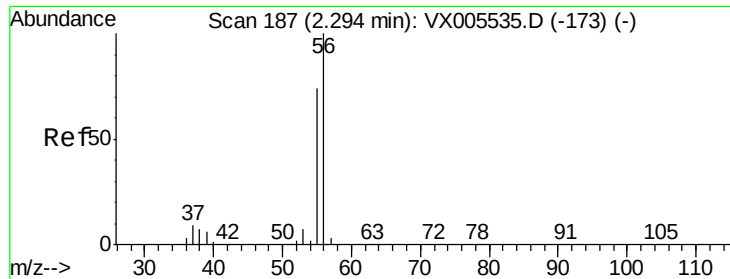
Tot Ion:142 Resp: 619
Ion Ratio Lower Upper
142 100
127 50.1 36.0 54.0
141 8.1 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.990 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005655.D
Acq: 29 Oct 2018 12:52

Tgt Ion: 59 Resp: 2295
Ion Ratio Lower Upper
59 100
57 3.9 8.5 12.7#





#13

Acrolein

Concen: 0.662 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX005655.D

Acq: 29 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

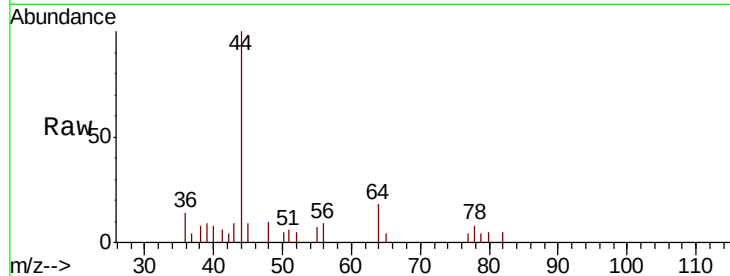
FT-PZ458S-20181025

Tot Ion: 56 Resp: 259

Ion Ratio Lower Upper

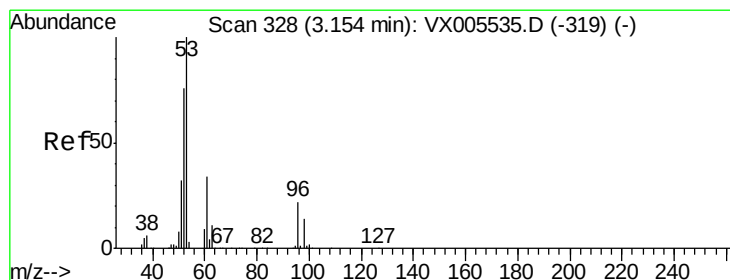
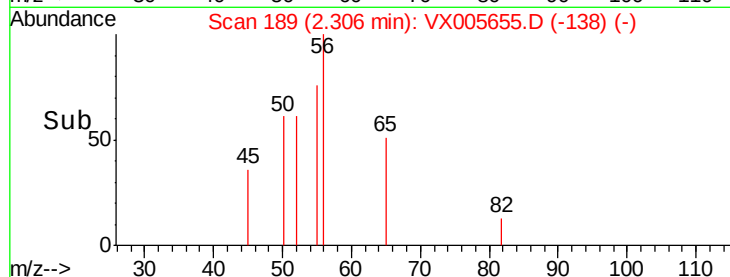
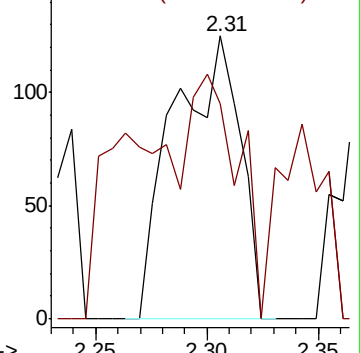
56 100

55 62.5 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.347 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005655.D

Acq: 29 Oct 2018 12:52

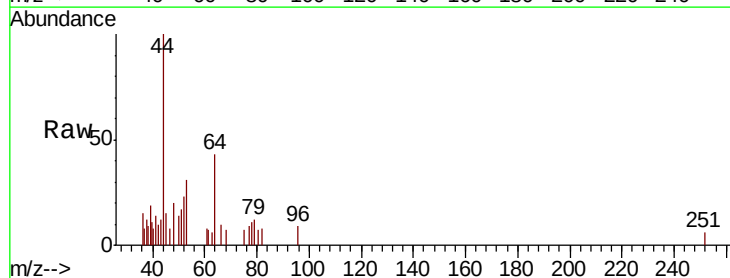
Tgt Ion: 53 Resp: 598

Ion Ratio Lower Upper

53 100

52 116.9 66.6 99.8#

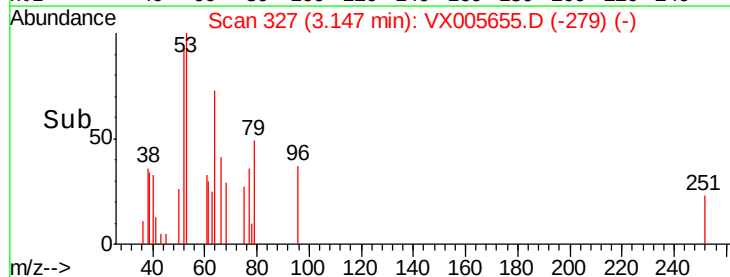
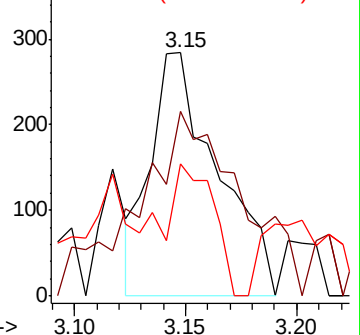
51 40.8 28.4 42.6

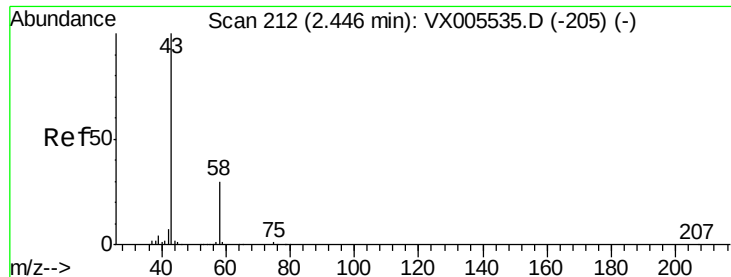


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.472 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005655.D

Acq: 29 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

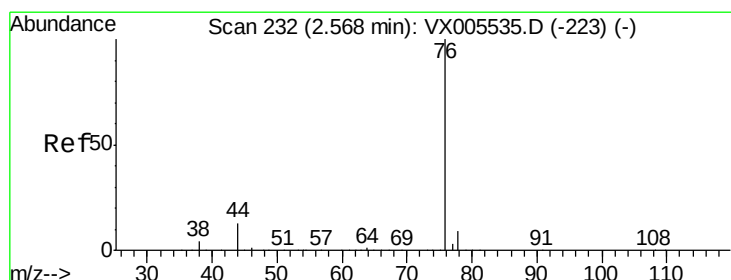
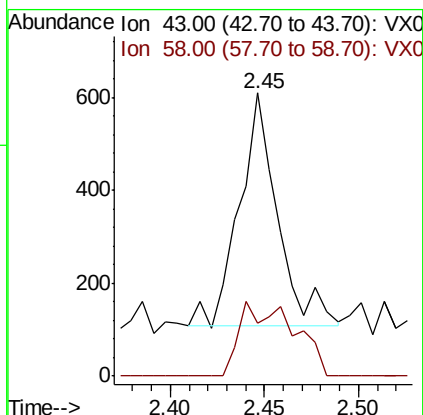
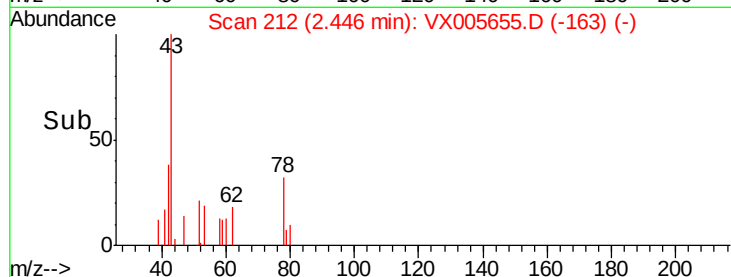
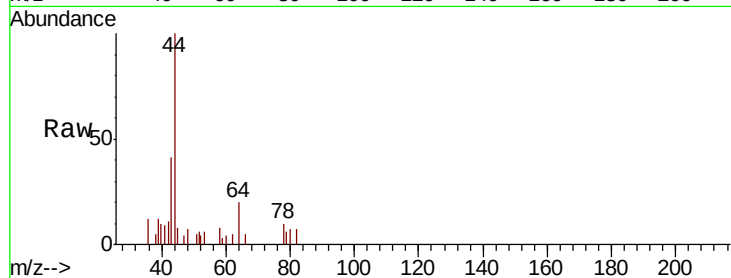
FT-PZ458S-20181025

Tot Ion: 43 Resp: 711

Ion Ratio Lower Upper

43 100

58 22.6 23.8 35.6#



#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005655.D

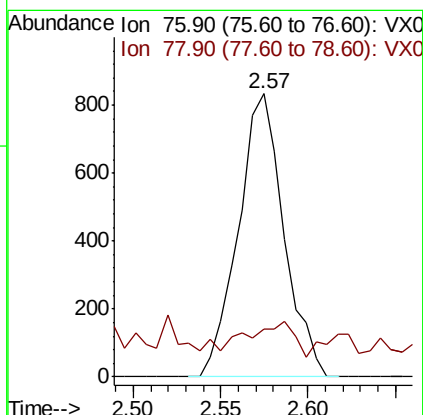
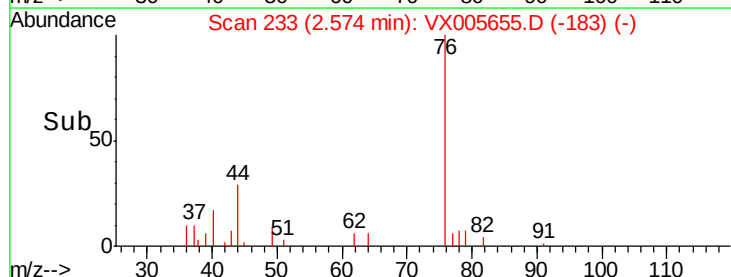
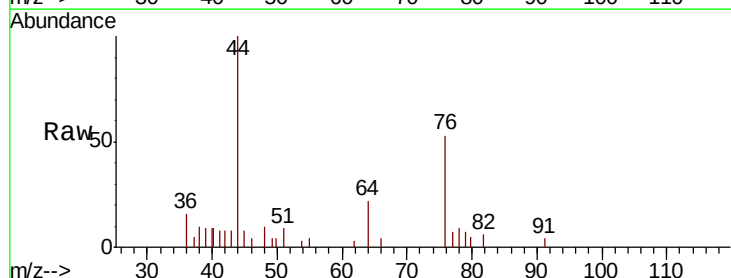
Acq: 29 Oct 2018 12:52

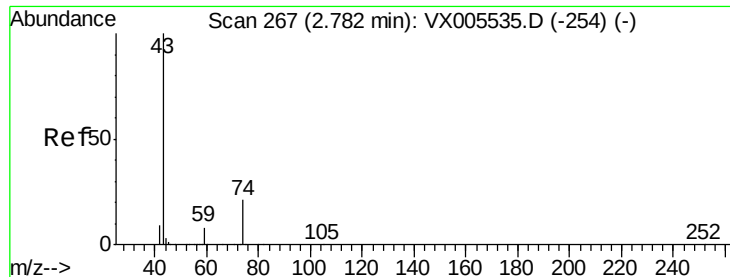
Tgt Ion: 76 Resp: 1509

Ion Ratio Lower Upper

76 100

78 4.7 7.3 10.9#

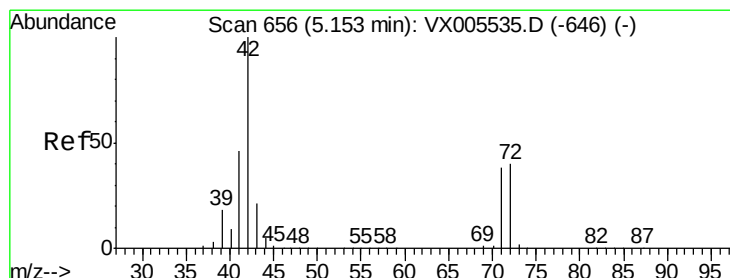
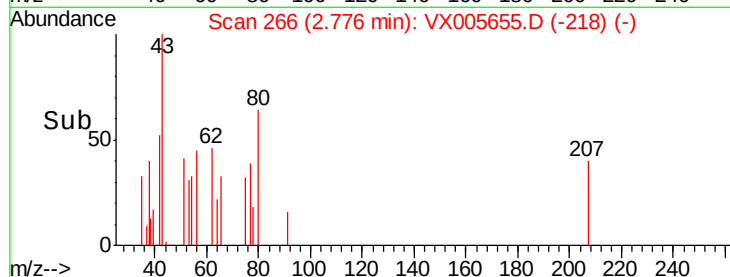
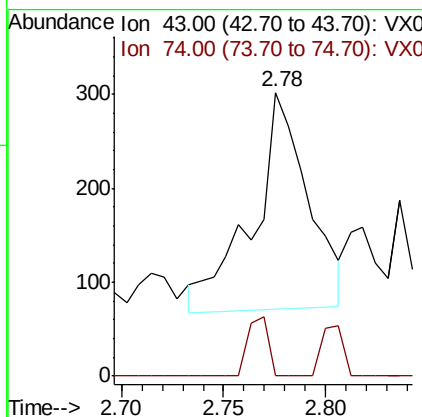
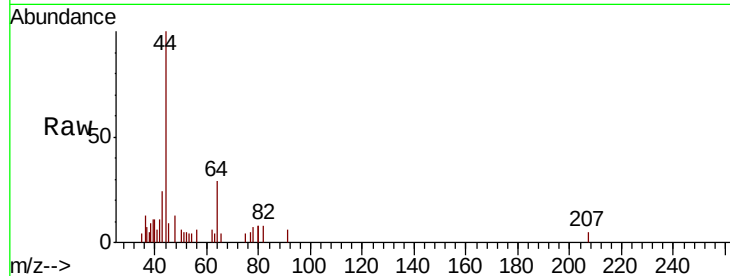




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005655.D
Acq: 29 Oct 2018 12:52

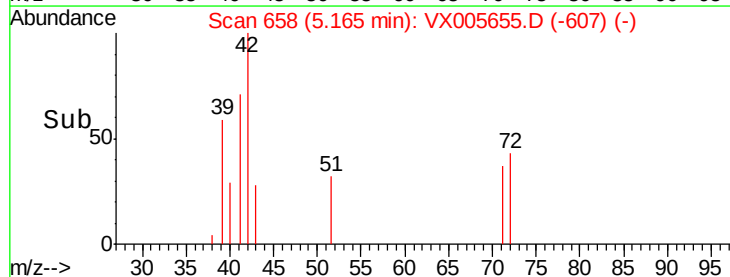
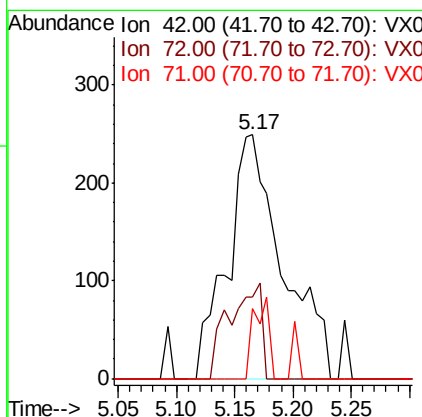
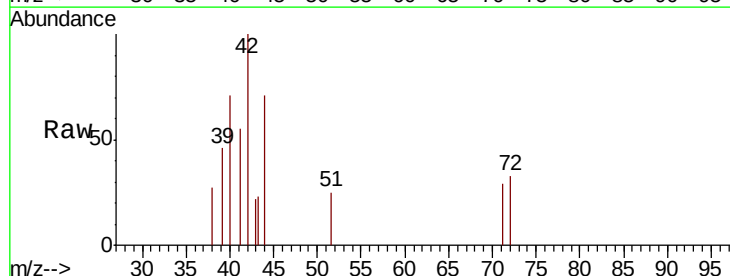
Instrument :
MSVOA_X
ClientSampleId :
FT-PZ458S-20181025

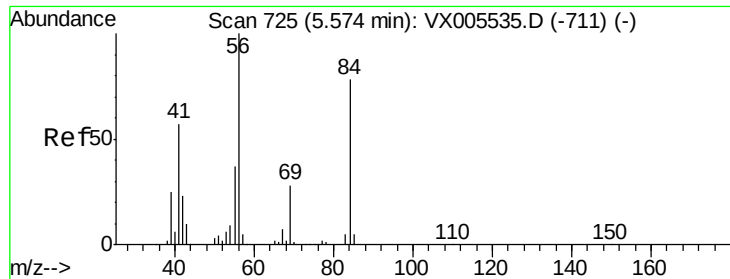
Tot Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
74 10.1 16.8 25.2#



#29
Tetrahydrofuran
Concen: 0.553 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005655.D
Acq: 29 Oct 2018 12:52

Tgt Ion: 42 Resp: 826
Ion Ratio Lower Upper
42 100
72 22.6 32.0 48.0#
71 9.4 29.8 44.8#

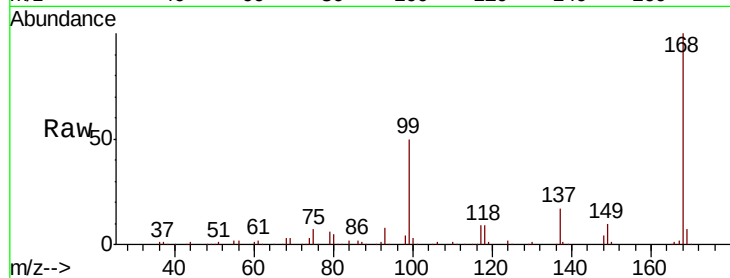




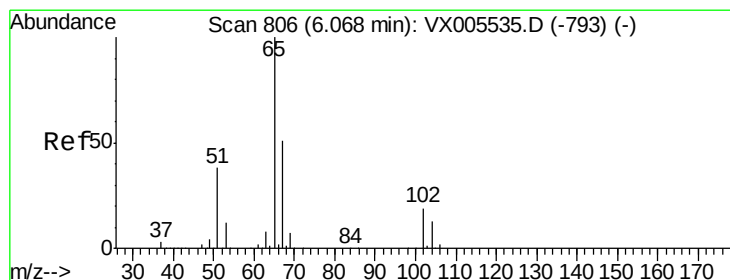
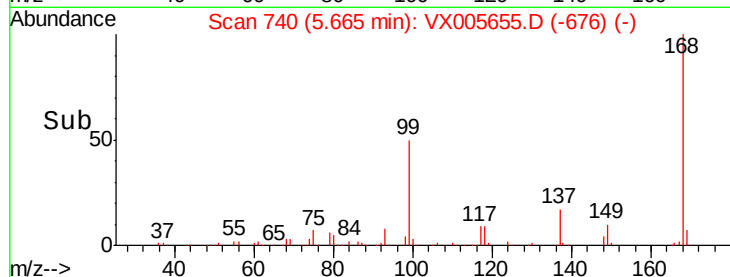
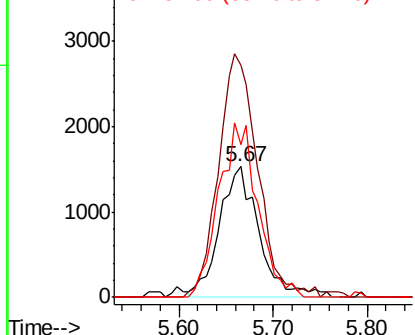
#31
Cyclohexane
Concen: 1.159 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005655.D
Acq: 29 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
FT-PZ458S-20181025

Tot Ion: 56 Resp: 4457
Ion Ratio Lower Upper
56 100
69 173.8 22.6 34.0#
84 116.9 62.7 94.1#

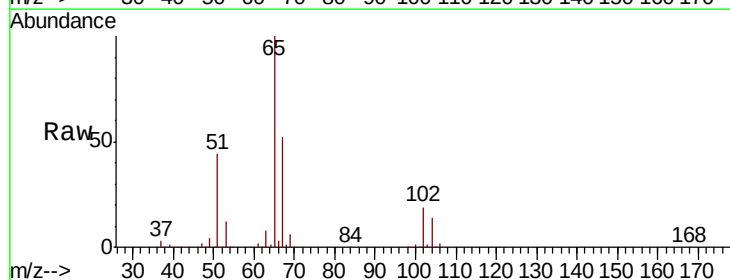


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

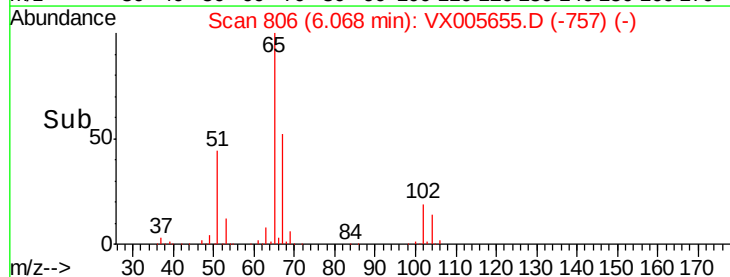
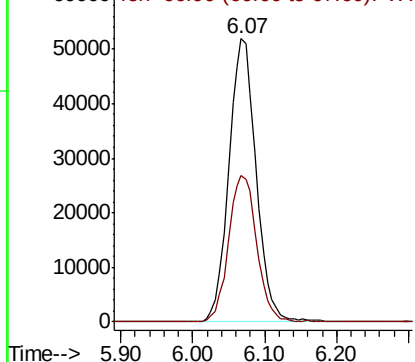


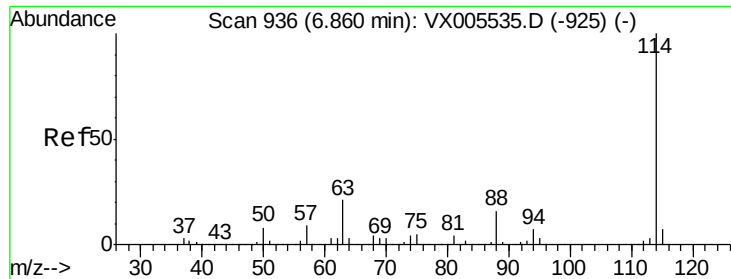
#33
1,2-Dichloroethane-d4
Concen: 47.876 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005655.D
Acq: 29 Oct 2018 12:52

Tgt Ion: 65 Resp: 136548
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

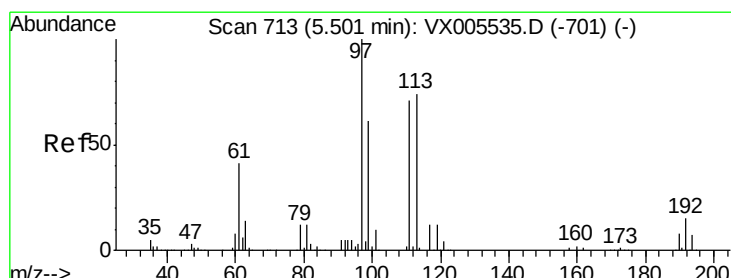
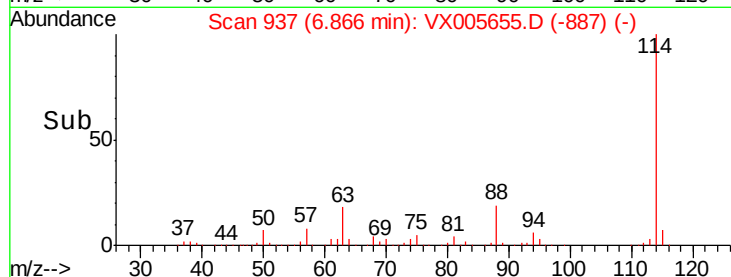
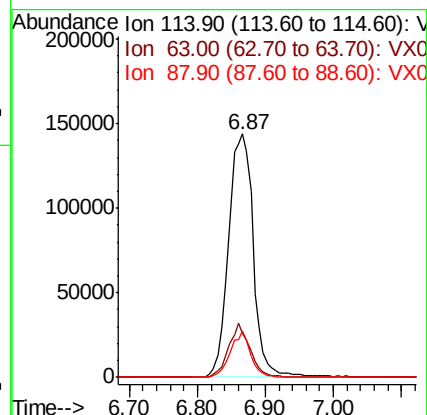
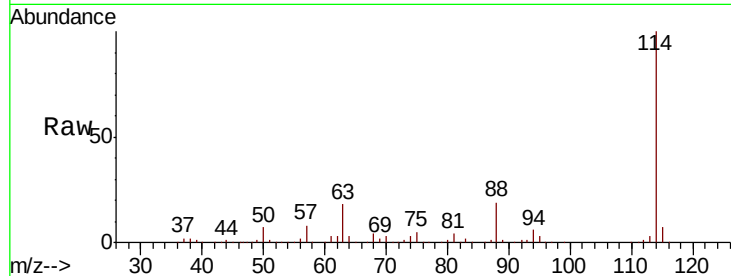




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005655.D
 Acq: 29 Oct 2018 12:52

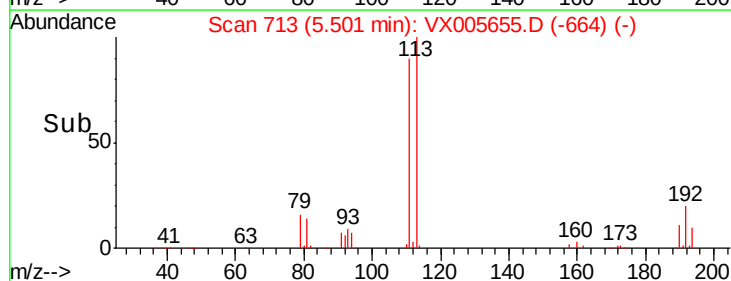
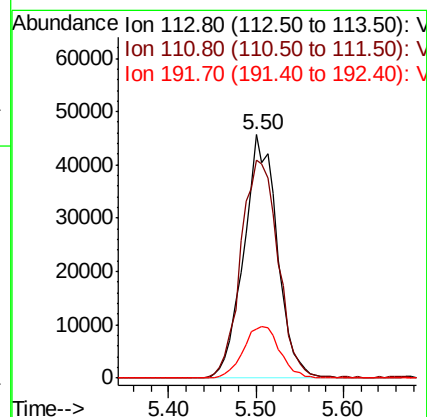
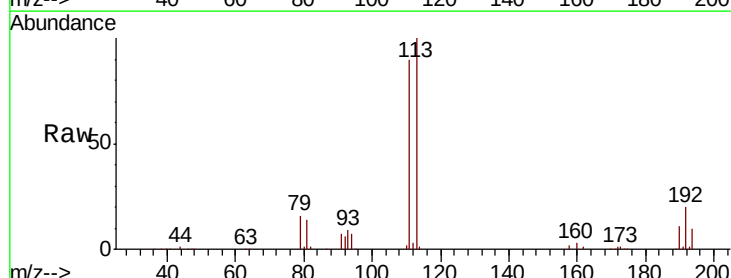
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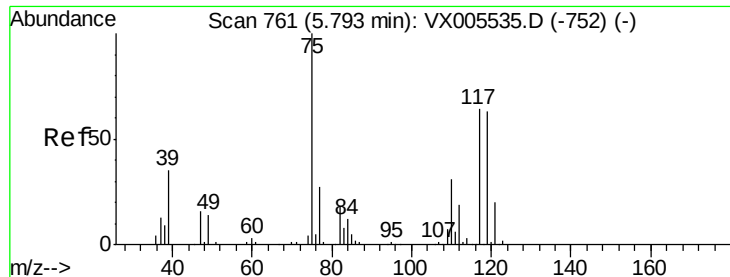
Tot Ion:114 Resp: 361658
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 42.8
 88 19.0 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 49.507 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005655.D
 Acq: 29 Oct 2018 12:52

Tgt Ion:113 Resp: 121236
 Ion Ratio Lower Upper
 113 100
 111 100.0 82.3 123.5
 192 23.2 17.9 26.9

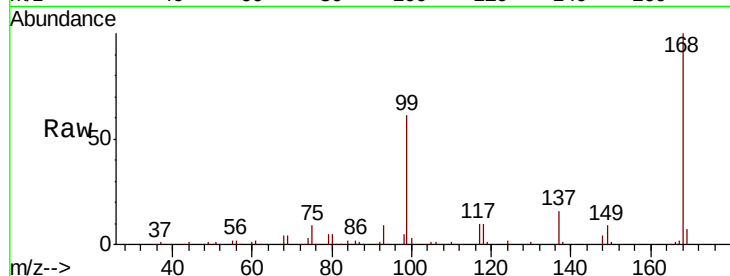




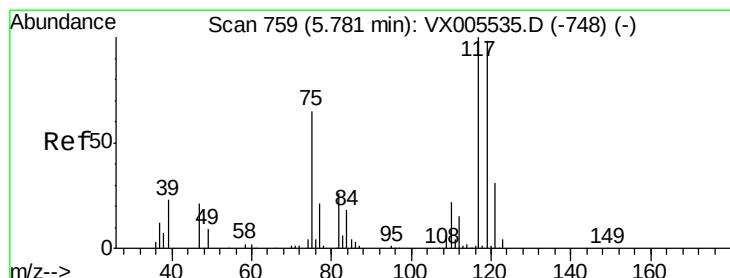
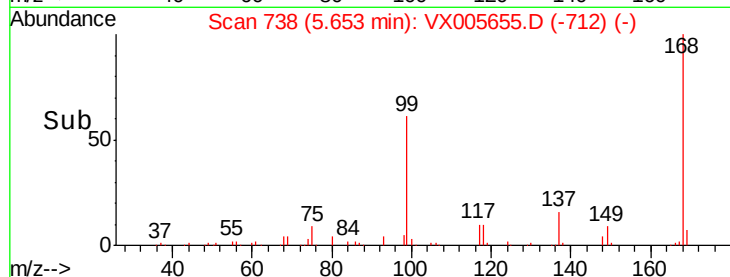
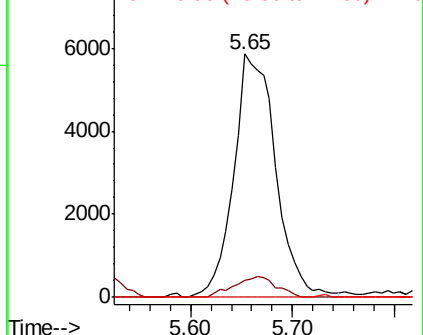
#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX005655.D
 Acq: 29 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ458S-20181025

Tot Ion: 75 Resp: 16712
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.4 52.2#
 77 0.0 25.8 38.6#

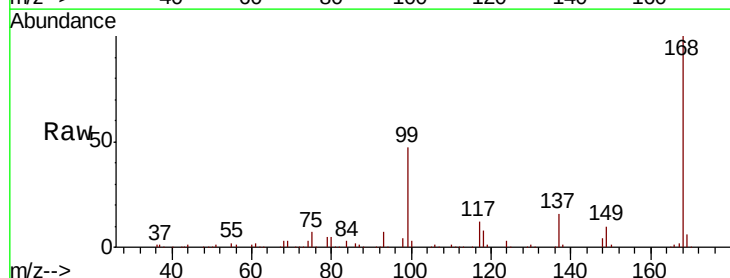


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

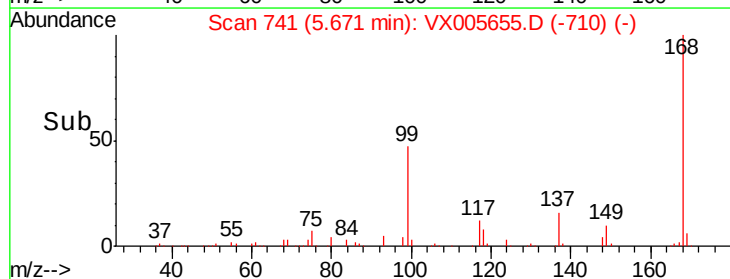
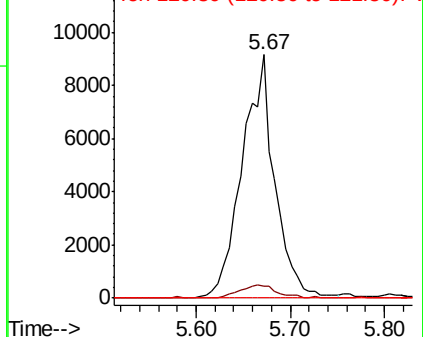


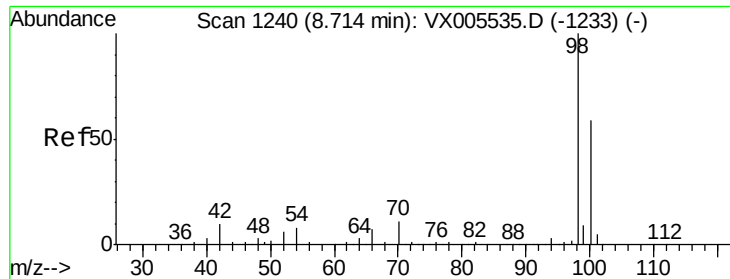
#38
 Carbon Tetrachloride
 Concen: 5.993 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX005655.D
 Acq: 29 Oct 2018 12:52

Tgt Ion: 117 Resp: 22155
 Ion Ratio Lower Upper
 117 100
 119 4.8 78.1 117.1#
 121 0.0 24.6 36.8#



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: 47.135 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005655.D

Acq: 29 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

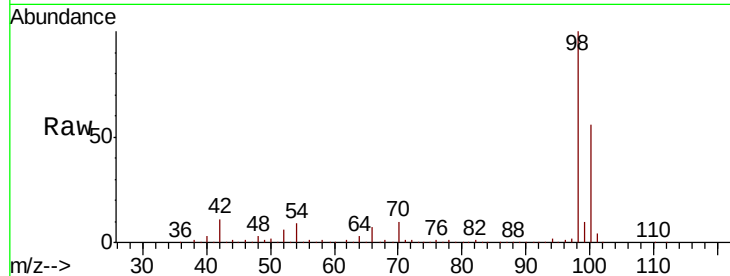
FT-PZ458S-20181025

Tot Ion: 98 Resp: 414755

Ion Ratio Lower Upper

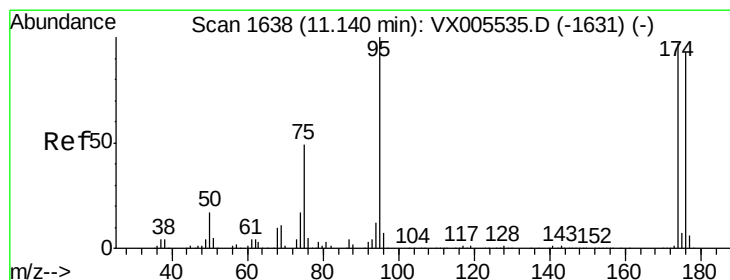
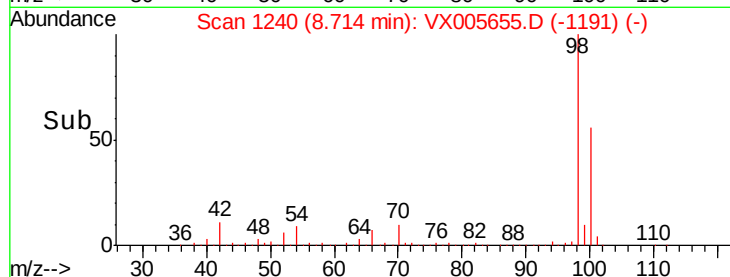
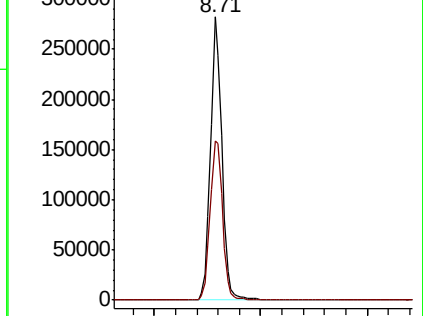
98 100

100 62.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 40.561 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005655.D

Acq: 29 Oct 2018 12:52

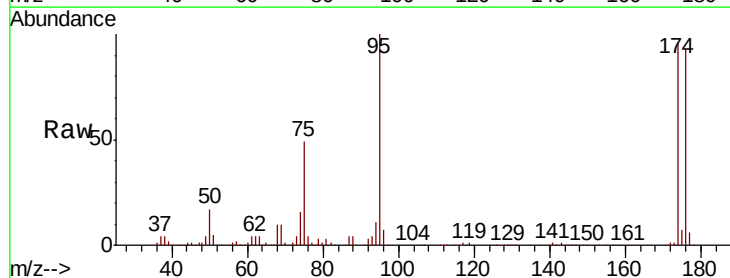
Tgt Ion: 95 Resp: 134784

Ion Ratio Lower Upper

95 100

174 92.9 0.0 184.4

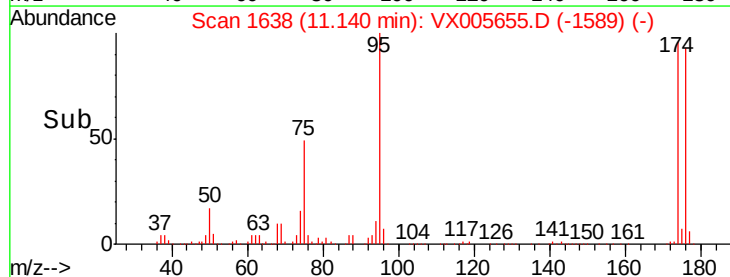
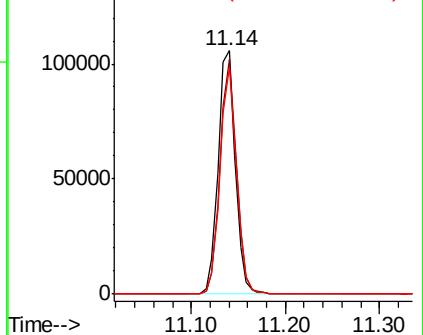
176 89.9 0.0 177.4

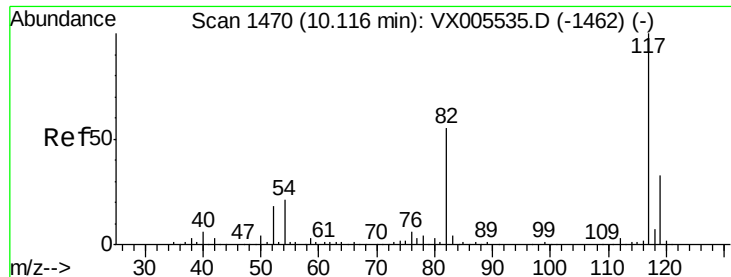


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

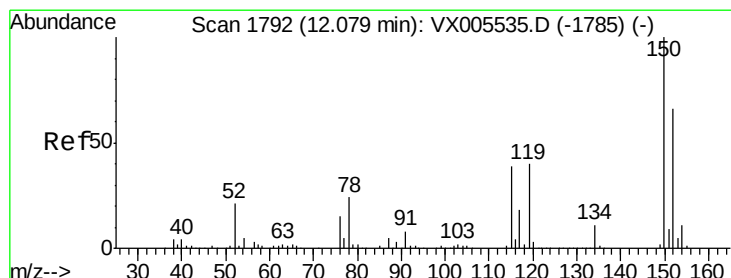
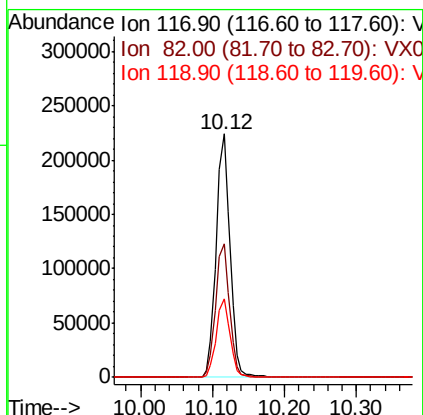
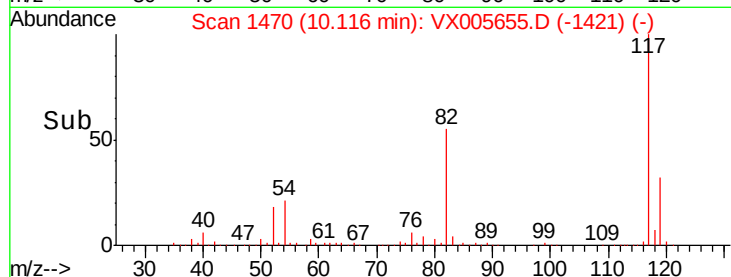
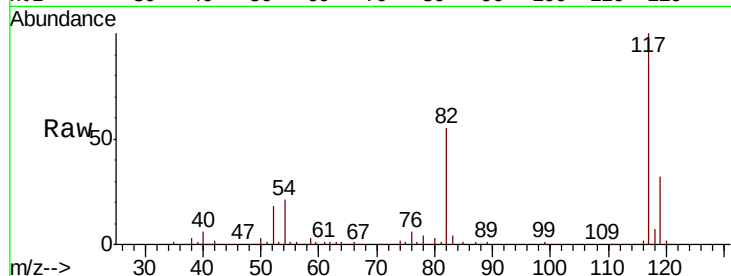




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005655.D
Acq: 29 Oct 2018 12:52

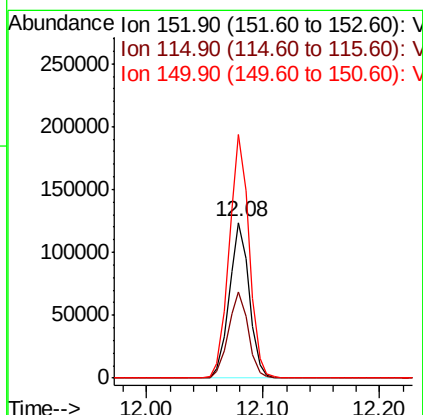
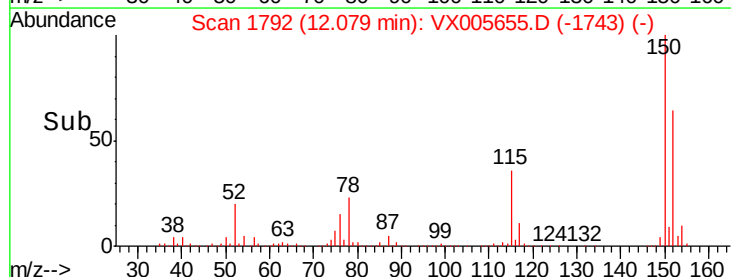
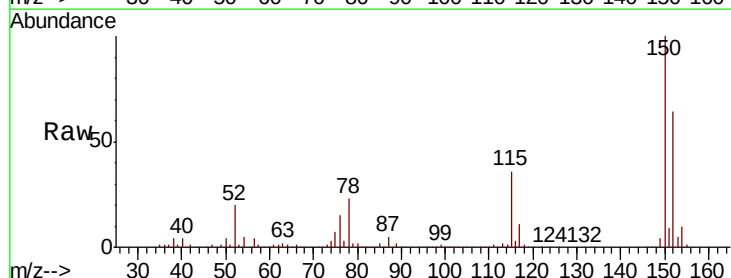
Instrument :
MSVOA_X
ClientSampleId :
FT-PZ458S-20181025

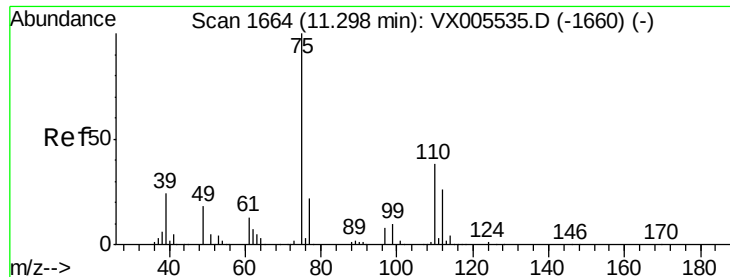
Tot Ion:117 Resp: 298466
Ion Ratio Lower Upper
117 100
82 55.0 44.1 66.1
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005655.D
Acq: 29 Oct 2018 12:52

Tgt Ion:152 Resp: 146969
Ion Ratio Lower Upper
152 100
115 55.7 39.4 118.1
150 157.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.183 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005655.D

Acq: 29 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

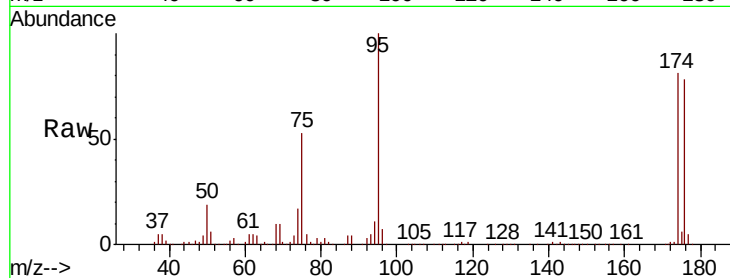
FT-PZ458S-20181025

Tot Ion: 75 Resp: 69076

Ion Ratio Lower Upper

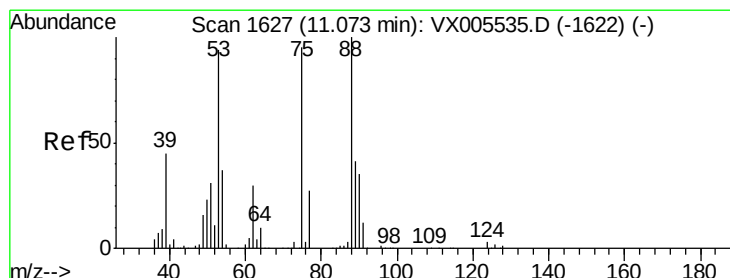
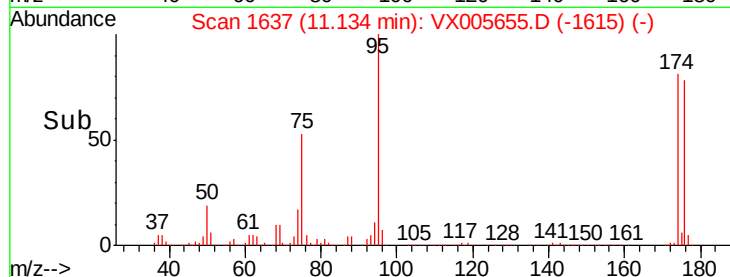
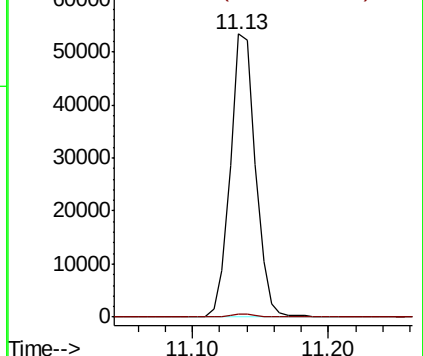
75 100

77 1.2 20.5 61.6#



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: 72.483 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005655.D

Acq: 29 Oct 2018 12:52

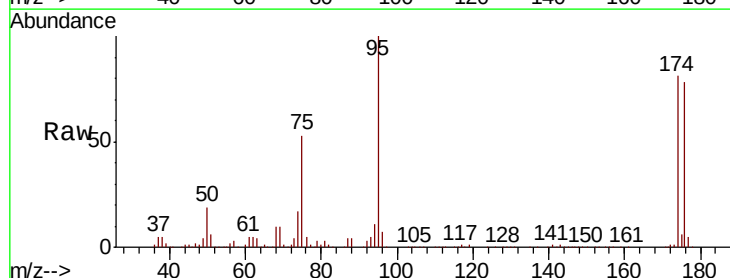
Tgt Ion: 75 Resp: 69076

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.1 39.8 59.8#



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

