

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005629.D
 Acq On : 27 Oct 2018 02:54
 Operator : JC/MD
 Sample : J5712-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-102418

Quant Time: Oct 27 06:03:44 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	5.67	168	224822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334501	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143122	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	136938	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	5.50	113	112426	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	8.71	98	390240	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.14	95	131865	42.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.80%	

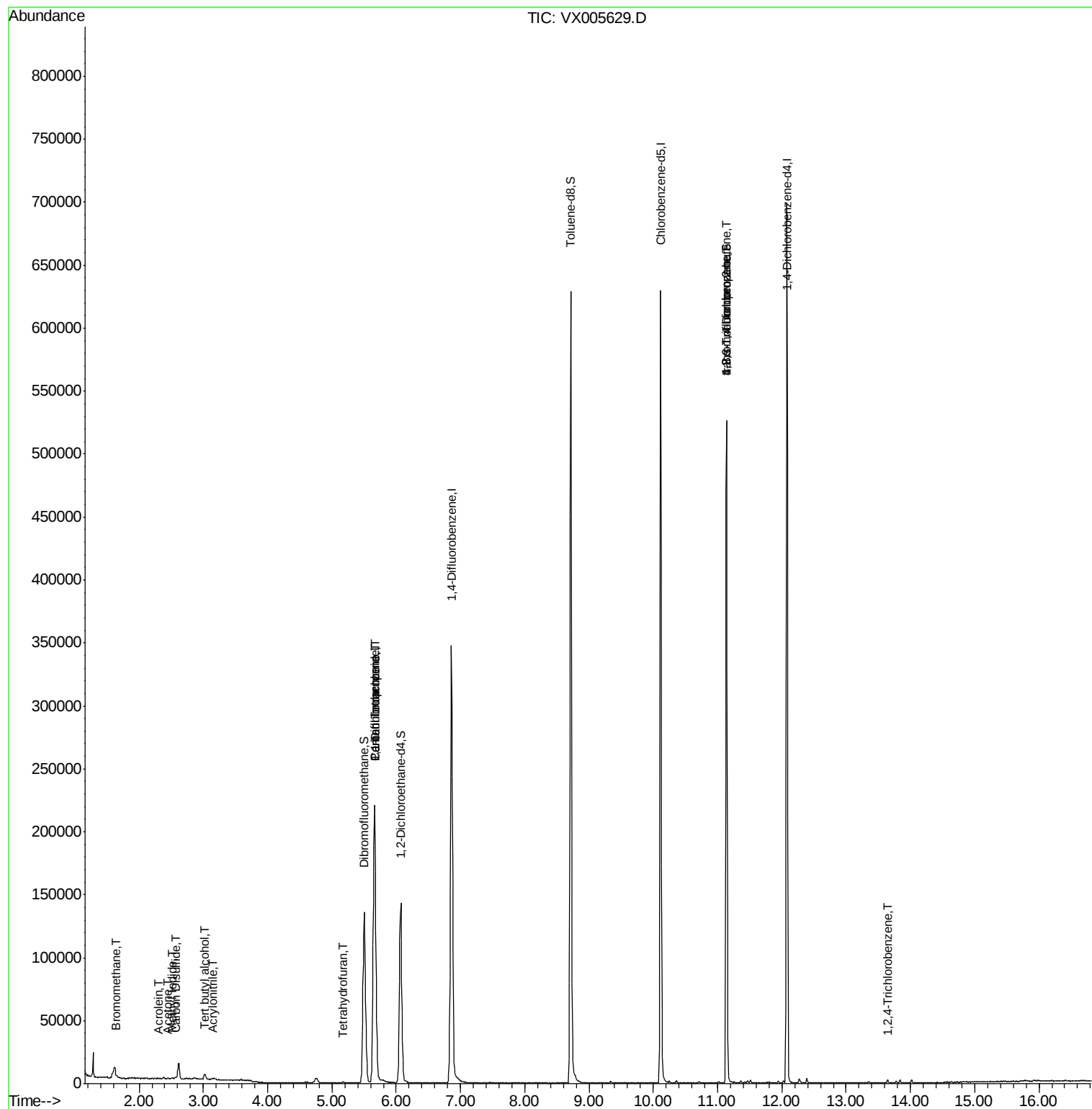
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	926	0.536	ug/l	82
10) Methyl Iodide	2.51	142	880	3.085	ug/l	97
11) Tert butyl alcohol	3.03	59	2574	3.485	ug/l #	72
13) Acrolein	2.29	56	226	0.600	ug/l	83
15) Acrylonitrile	3.15	53	621	0.375	ug/l #	86
16) Acetone	2.45	43	634	0.437	ug/l	99
17) Carbon Disulfide	2.57	76	1961	0.305	ug/l #	84
18) Methyl Acetate	2.78	43	1017	Below Cal	#	59
29) Tetrahydrofuran	5.17	42	461	0.321	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	16419	5.058	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20499	5.996	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	66879	22.055	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	66879	72.064	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	794	0.236	ug/l	96

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

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QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

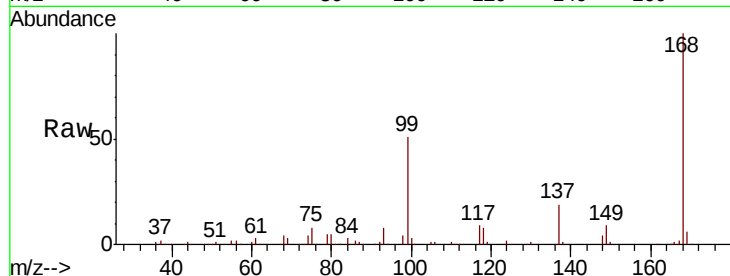
TB-102418

Tot Ion:168 Resp: 224822

Ion Ratio Lower Upper

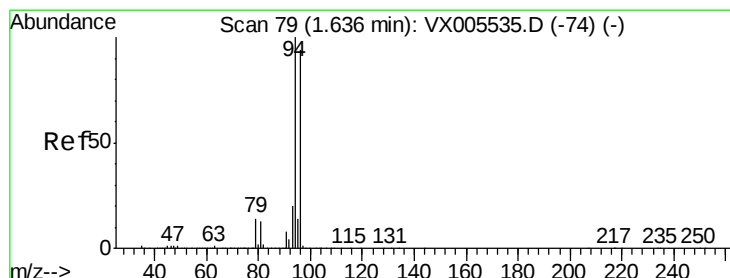
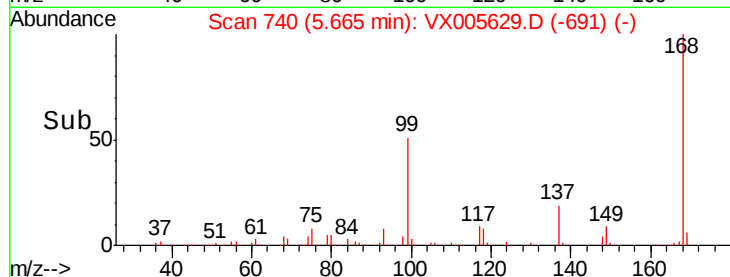
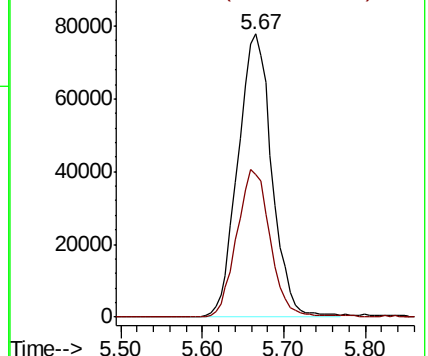
168 100

99 50.6 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: 0.536 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005629.D

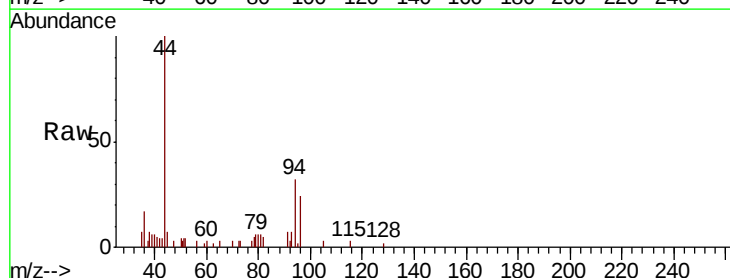
Acq: 27 Oct 2018 02:54

Tgt Ion: 94 Resp: 926

Ion Ratio Lower Upper

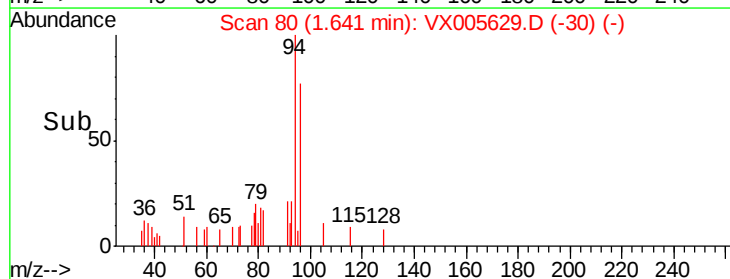
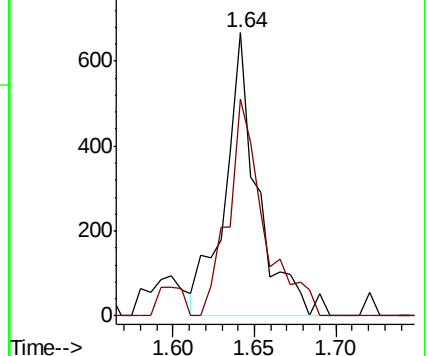
94 100

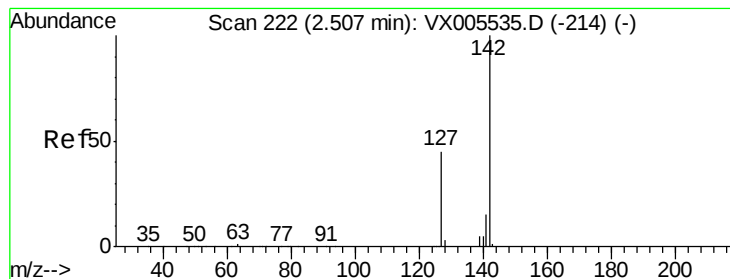
96 76.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methvl Iodide

Concen: 3.085 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

Instrument :

MSVOA_X

ClientSampled :

TB-102418

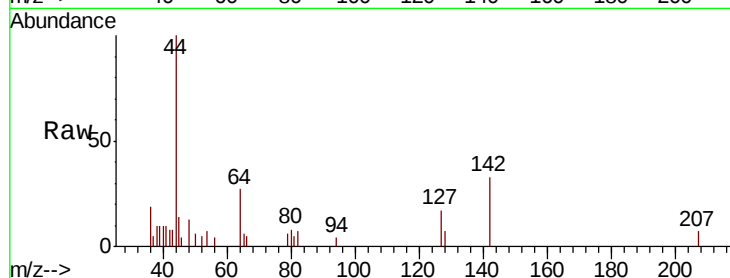
Tot Ion:142 Resp: 880

Ion Ratio Lower Upper

142 100

127 46.6 36.0 54.0

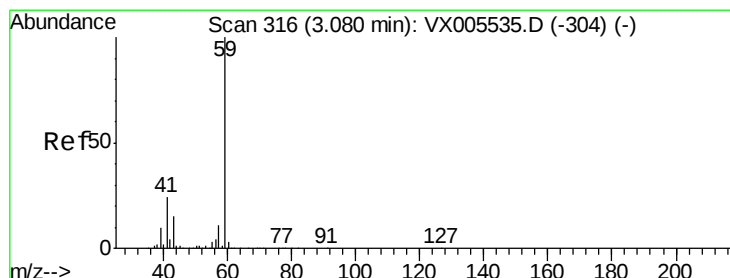
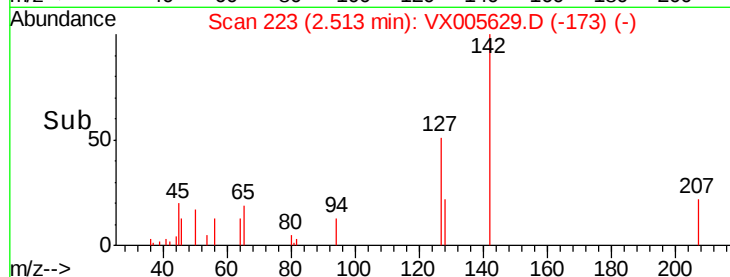
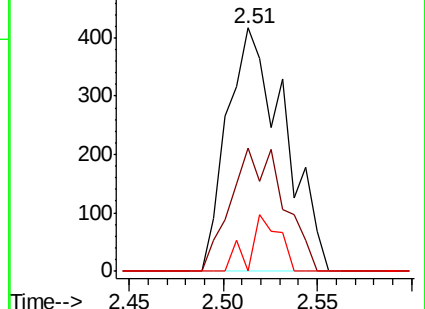
141 11.8 11.7 17.5



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



#11

Tert butyl alcohol

Concen: 3.485 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.06 min

Lab File: VX005629.D

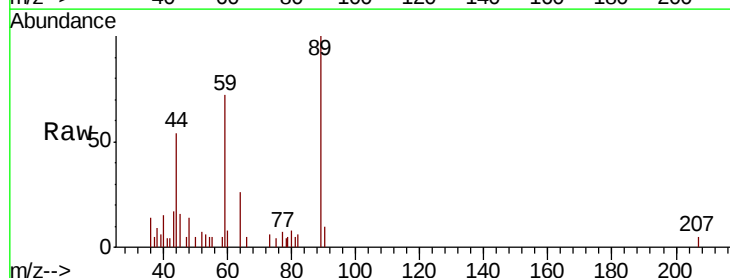
Acq: 27 Oct 2018 02:54

Tgt Ion: 59 Resp: 2574

Ion Ratio Lower Upper

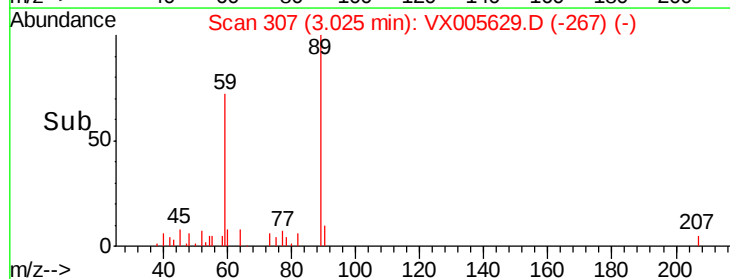
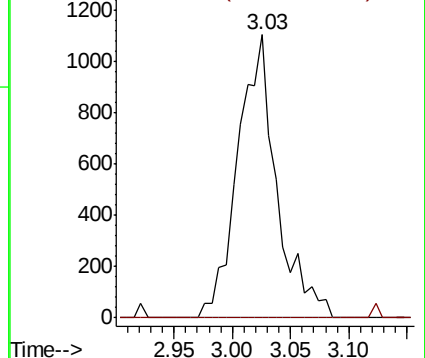
59 100

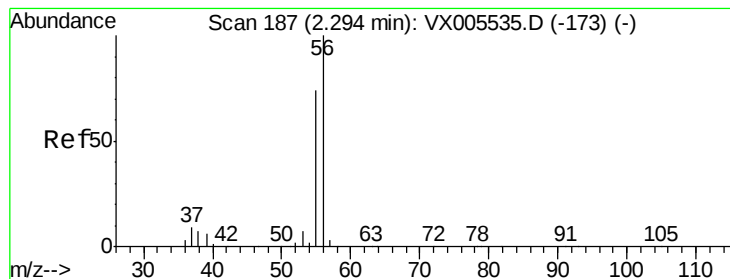
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.600 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

Instrument :

MSVOA_X

ClientSampled :

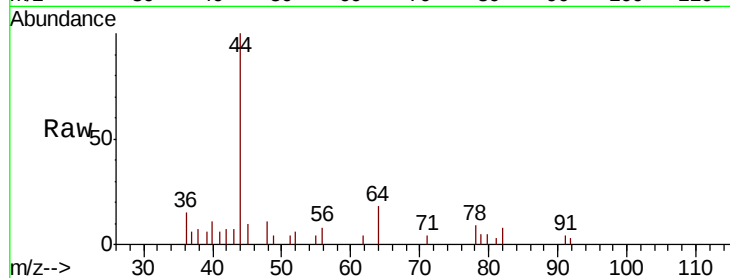
TB-102418

Tot Ion: 56 Resp: 226

Ion Ratio Lower Upper

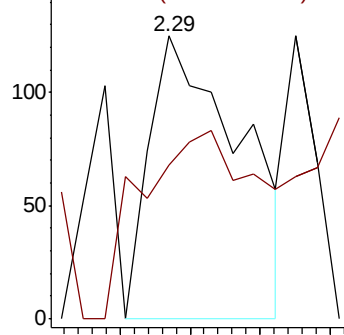
56 100

55 85.4 57.3 85.9

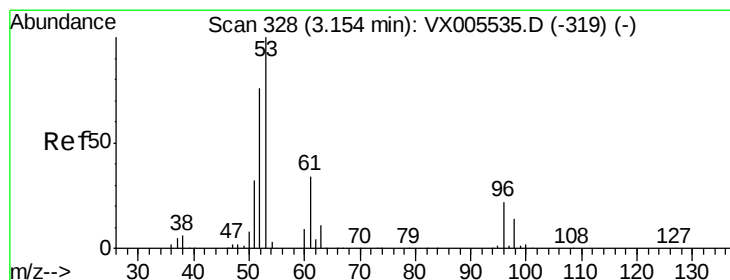
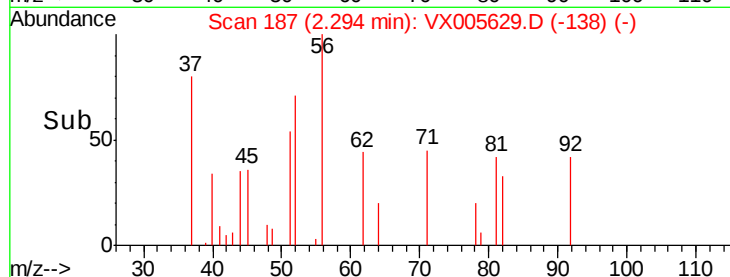


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.375 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

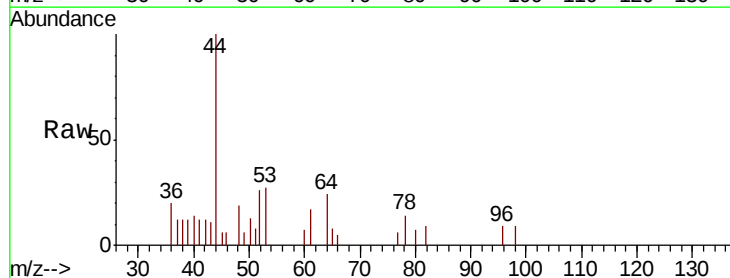
Tgt Ion: 53 Resp: 621

Ion Ratio Lower Upper

53 100

52 95.3 66.6 99.8

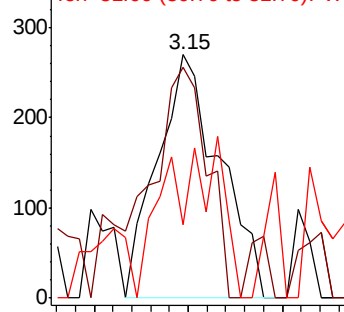
51 25.9 28.4 42.6#



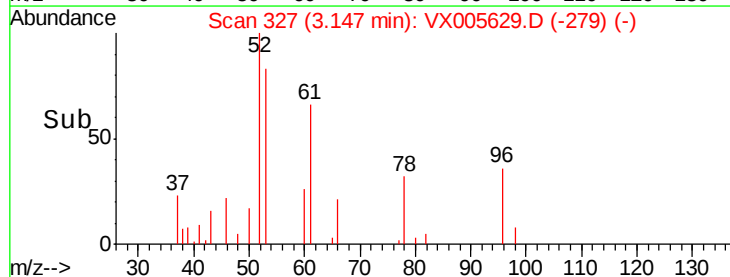
Abundance Ion 53.00 (52.70 to 53.70): VX0

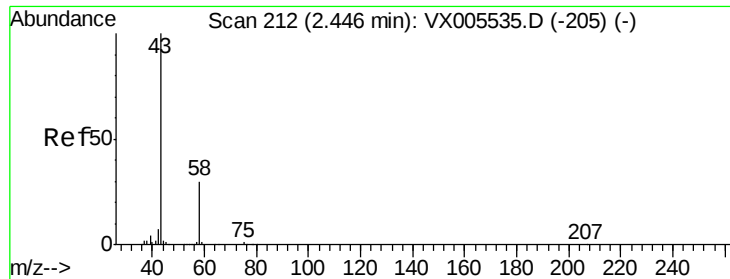
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 0.437 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

Instrument :

MSVOA_X

ClientSampled :

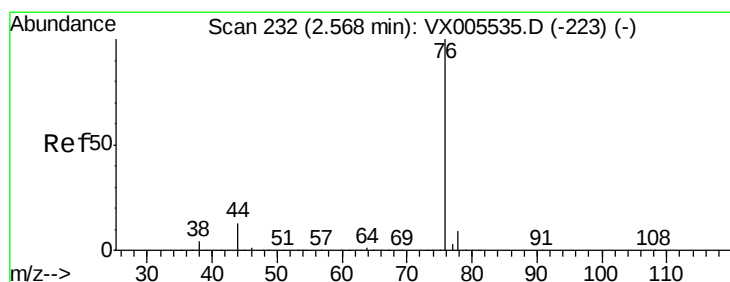
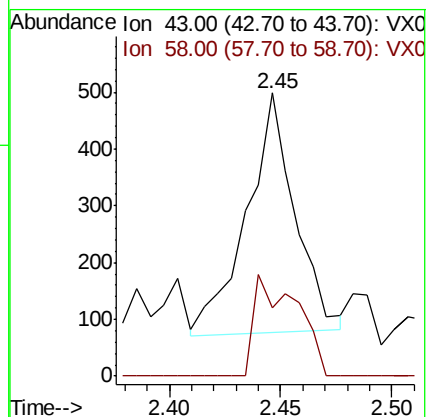
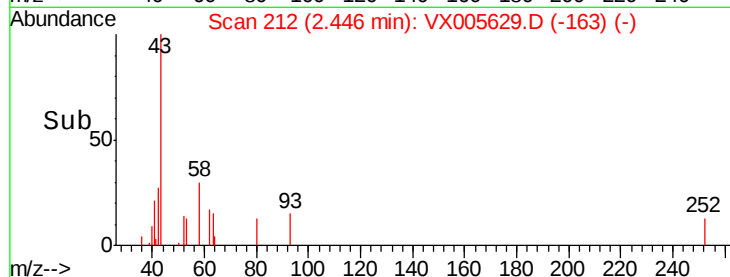
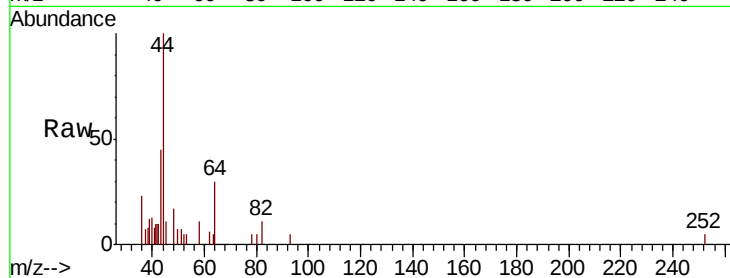
TB-102418

Tot Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

58 29.2 23.8 35.6



#17

Carbon Disulfide

Concen: 0.305 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005629.D

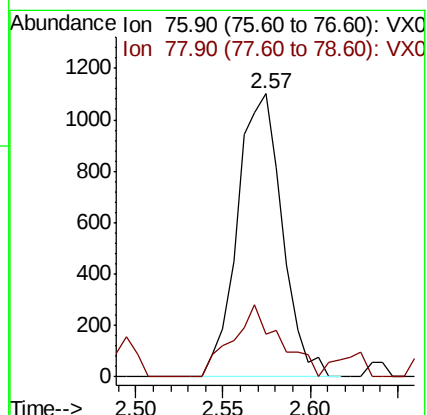
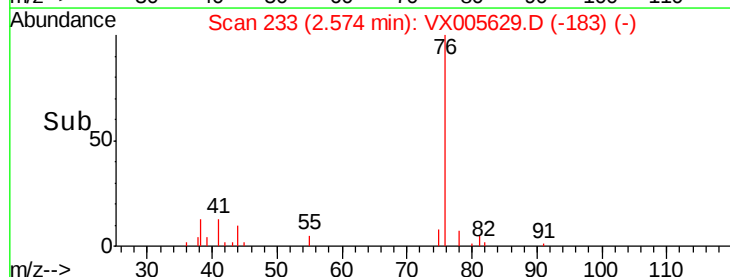
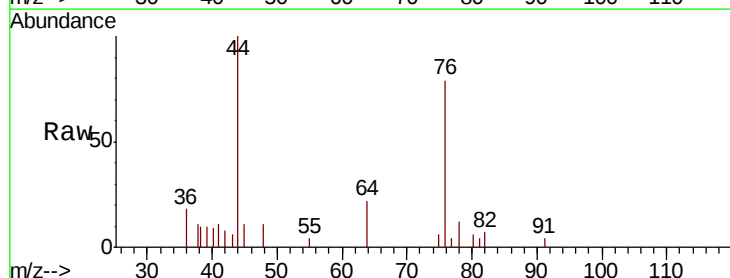
Acq: 27 Oct 2018 02:54

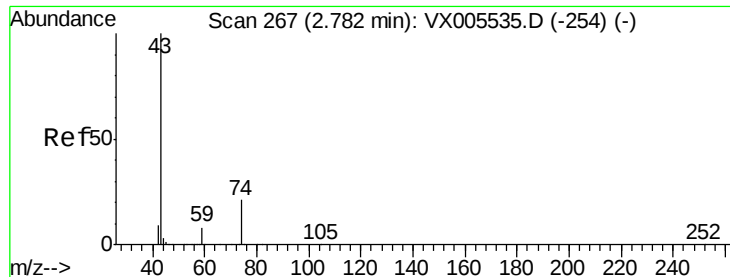
Tgt Ion: 76 Resp: 1961

Ion Ratio Lower Upper

76 100

78 15.1 7.3 10.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

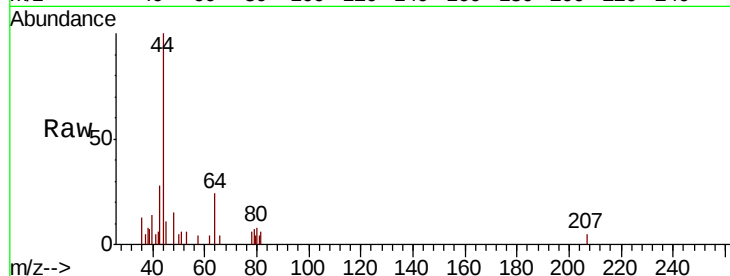
TB-102418

Tot Ion: 43 Resp: 1017

Ion Ratio Lower Upper

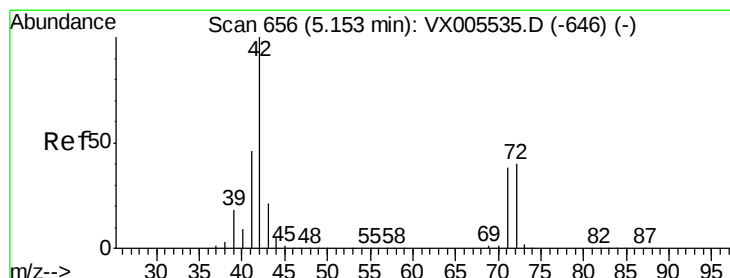
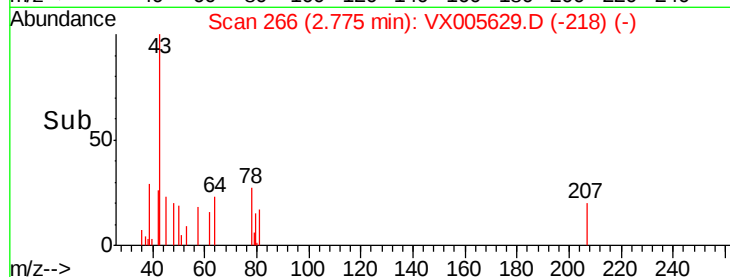
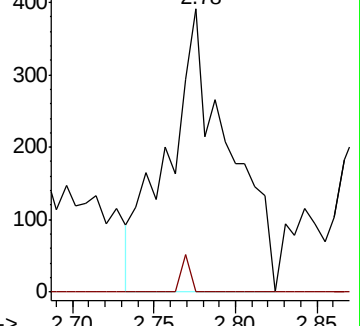
43 100

74 1.9 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#29

Tetrahydrofuran

Concen: 0.321 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

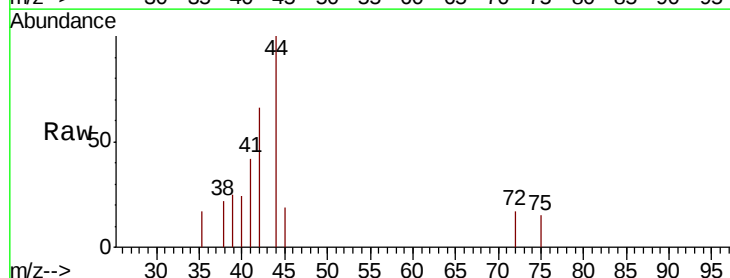
Tgt Ion: 42 Resp: 461

Ion Ratio Lower Upper

42 100

72 18.4 32.0 48.0#

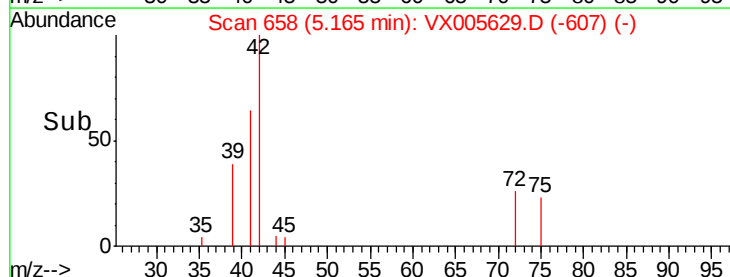
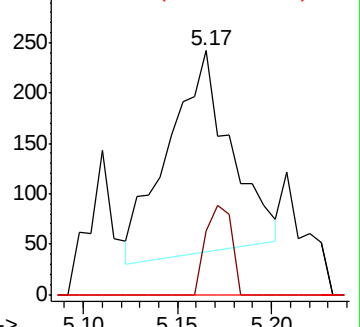
71 0.0 29.8 44.8#

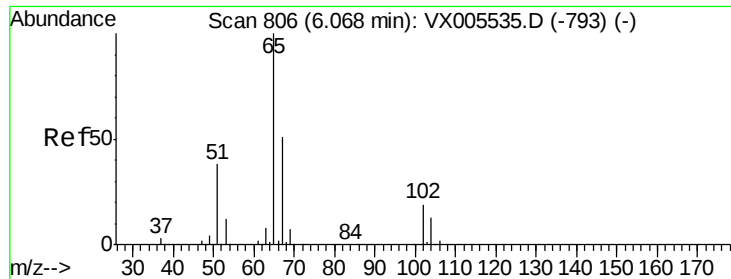


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

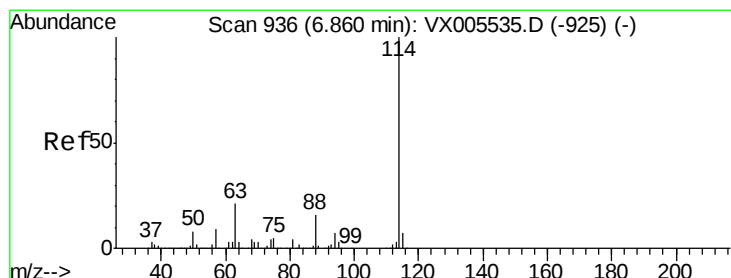
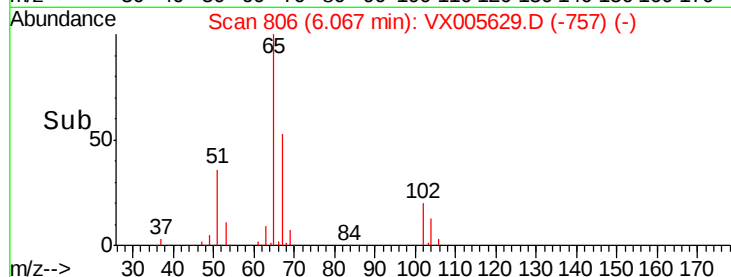
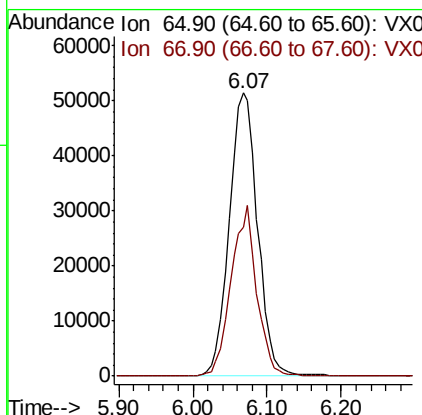
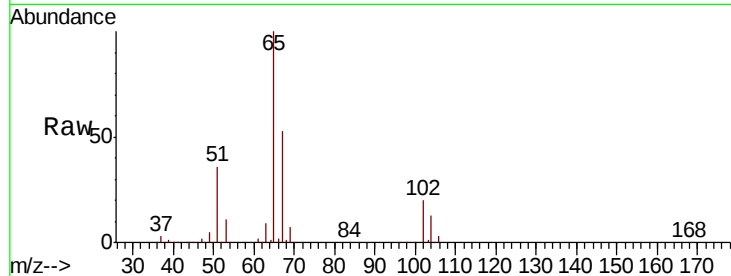




#33
 1,2-Dichloroethane-d4
 Concen: 49.898 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005629.D
 Acq: 27 Oct 2018 02:54

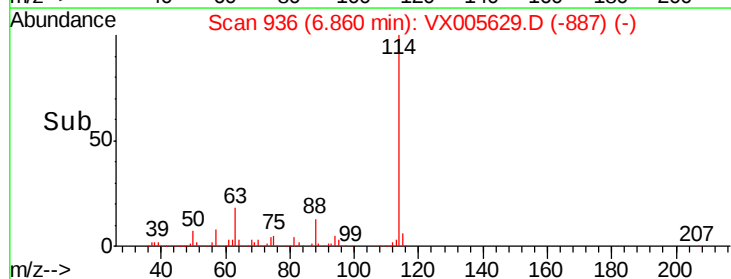
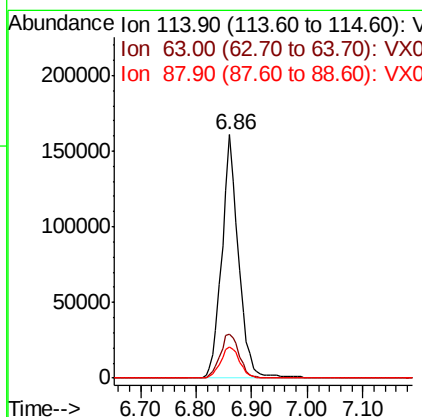
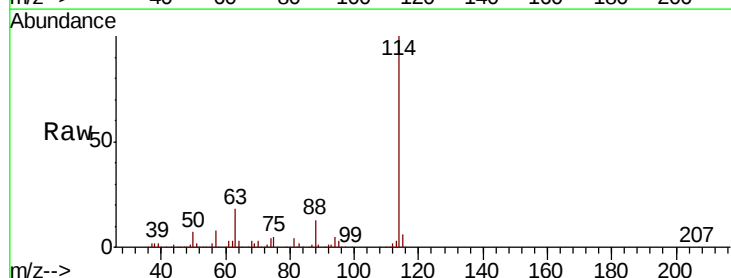
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-102418

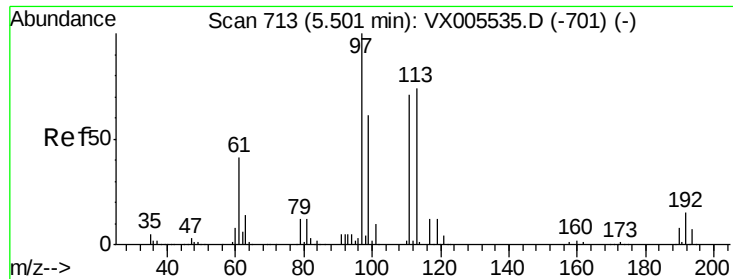
Tot Ion: 65 Resp: 136938
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005629.D
 Acq: 27 Oct 2018 02:54

Tgt Ion: 114 Resp: 334501
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 42.8
 88 13.0 0.0 31.2

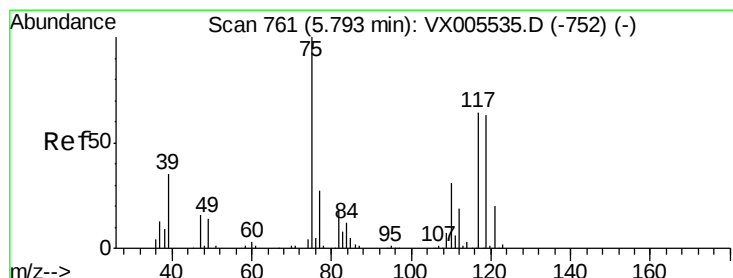
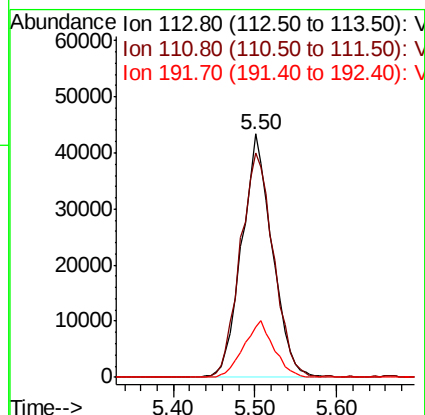
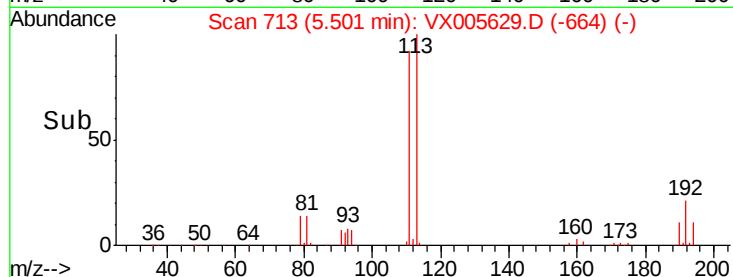
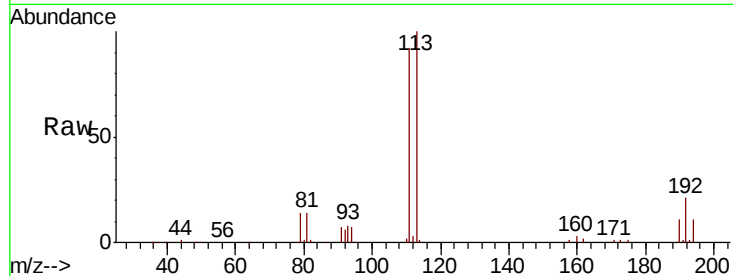




#35
 Dibromofluoromethane
 Concen: 49.637 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005629.D
 Acq: 27 Oct 2018 02:54

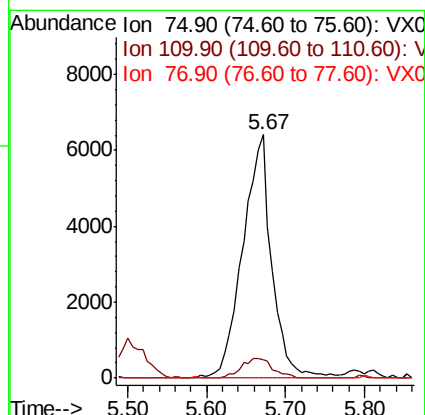
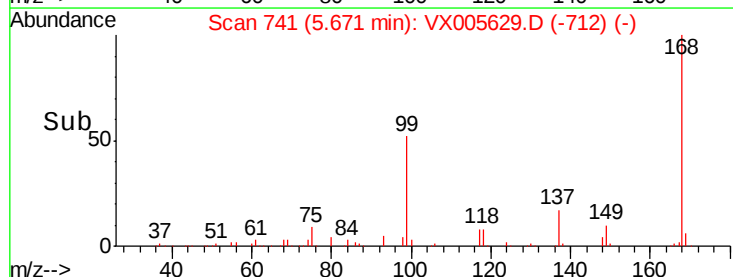
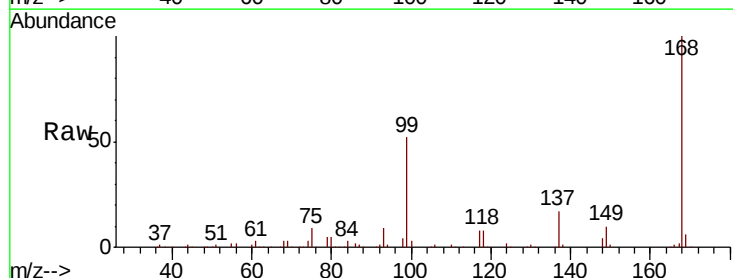
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-102418

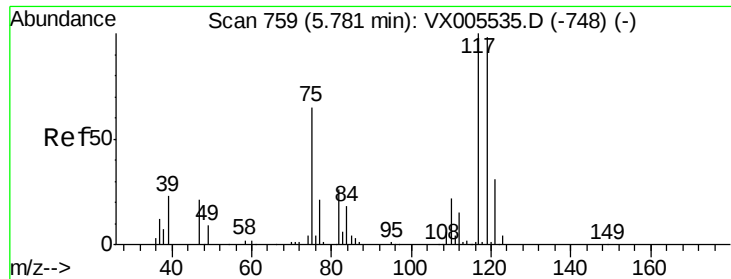
Tot Ion:113 Resp: 112426
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.3 123.5
 192 23.0 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.12 min
 Lab File: VX005629.D
 Acq: 27 Oct 2018 02:54

Tgt Ion: 75 Resp: 16419
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.4 52.2#
 77 0.0 25.8 38.6#

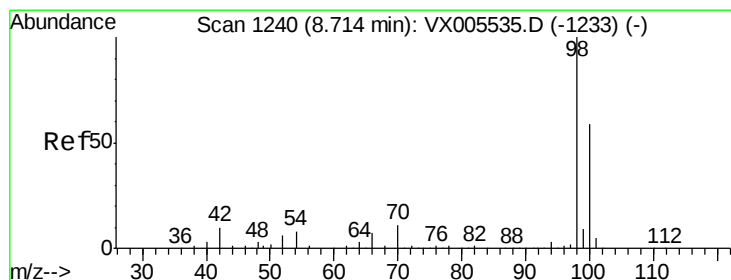
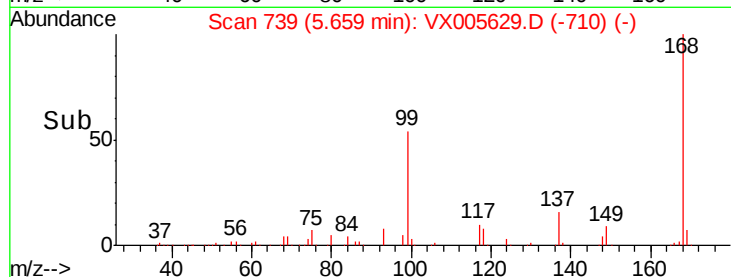
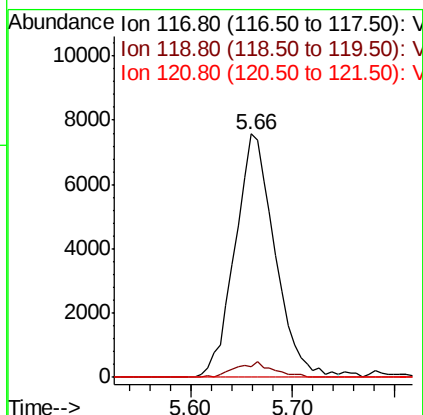
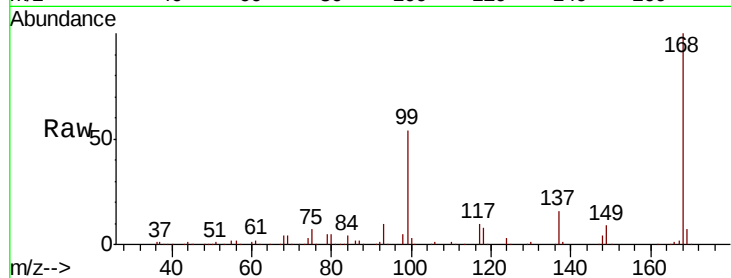




#38
Carbon Tetrachloride
Concen: 5.996 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005629.D
Acq: 27 Oct 2018 02:54

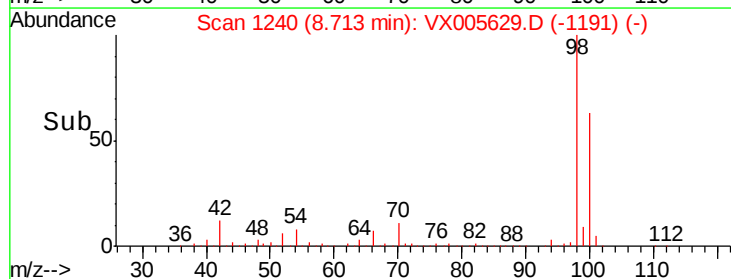
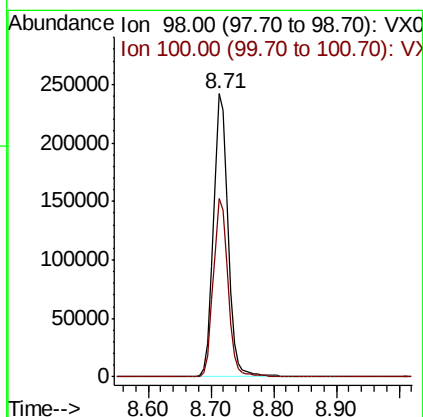
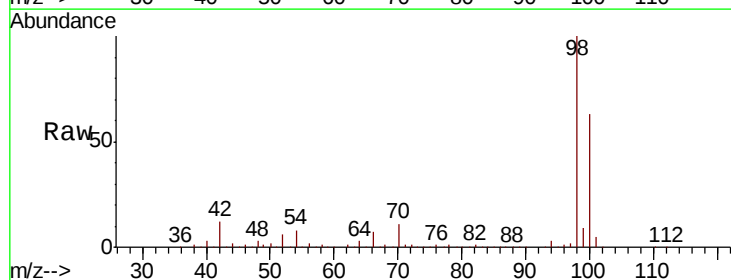
Instrument :
MSVOA_X
ClientSampleId :
TB-102418

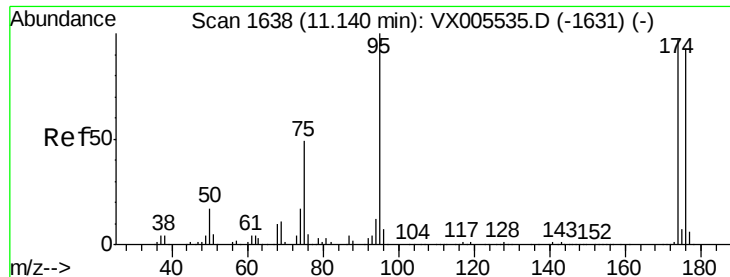
Tot Ion:117 Resp: 20499
Ion Ratio Lower Upper
117 100
119 4.2 78.1 117.1#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.950 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005629.D
Acq: 27 Oct 2018 02:54

Tgt Ion: 98 Resp: 390240
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9

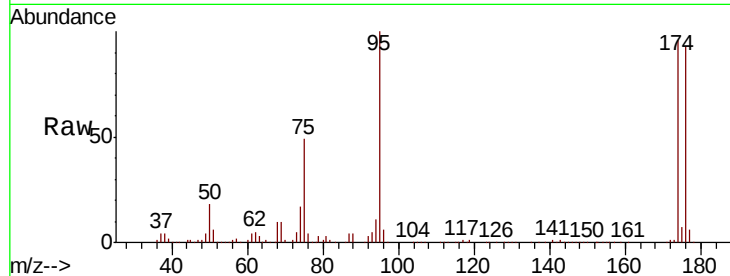




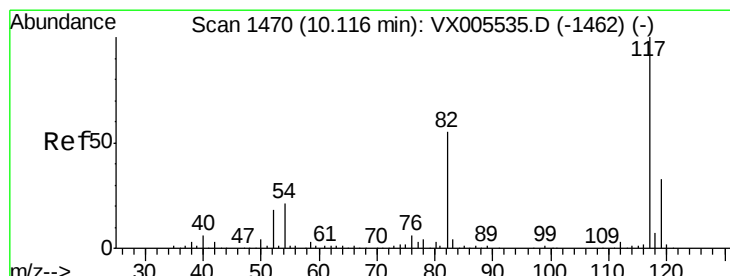
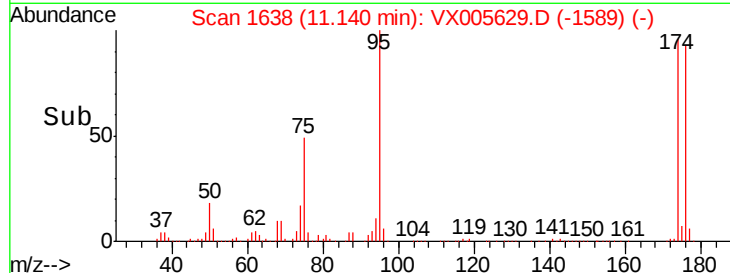
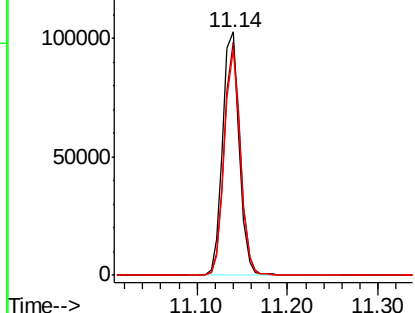
#62
4-Bromofluorobenzene
Concen: 42.904 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005629.D
Acq: 27 Oct 2018 02:54

Instrument :
MSVOA_X
ClientSampleId :
TB-102418

Tot Ion: 95 Resp: 131865
Ion Ratio Lower Upper
95 100
174 93.4 0.0 184.4
176 89.2 0.0 177.4

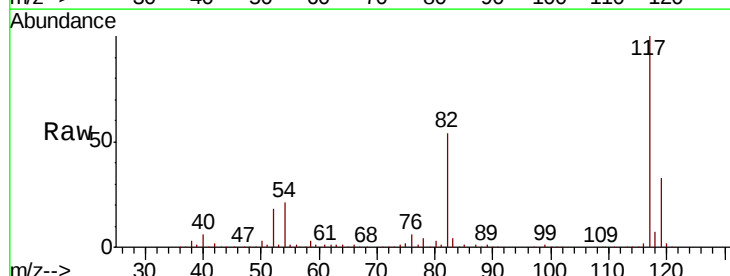


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

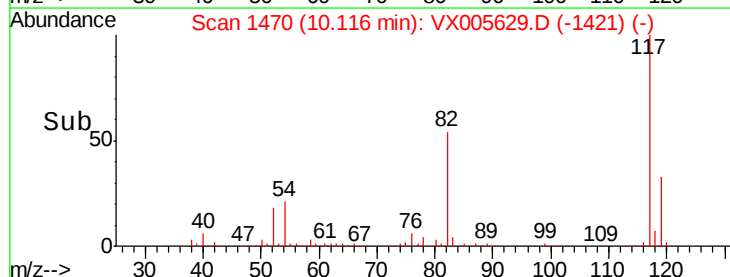
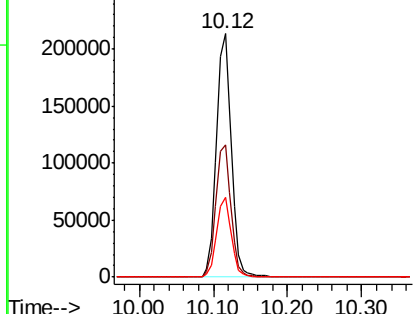


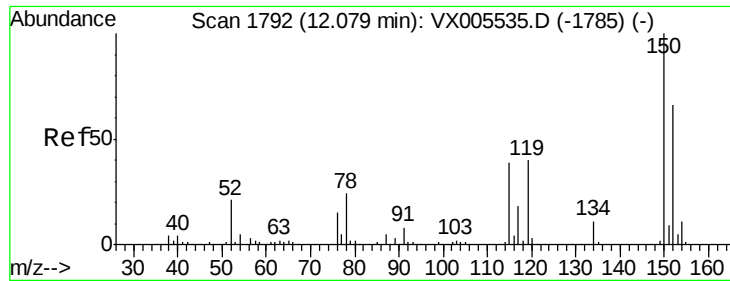
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005629.D
Acq: 27 Oct 2018 02:54

Tgt Ion: 117 Resp: 292566
Ion Ratio Lower Upper
117 100
82 54.3 44.1 66.1
119 32.8 26.2 39.2



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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

TB-102418

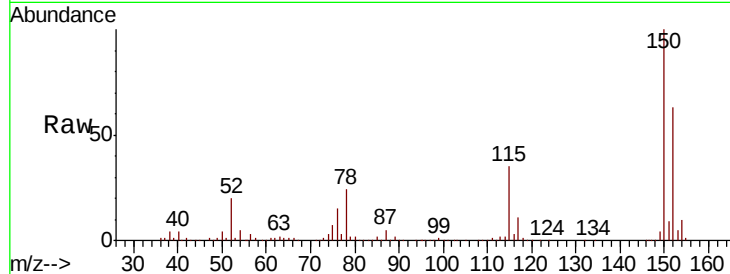
Tot Ion:152 Resp: 143122

Ion Ratio Lower Upper

152 100

115 55.1 39.4 118.1

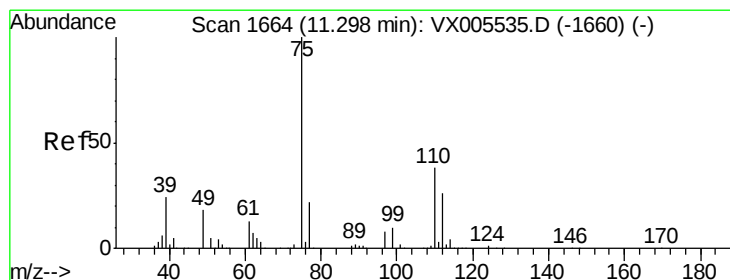
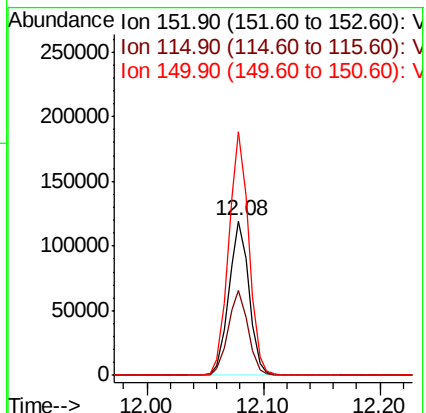
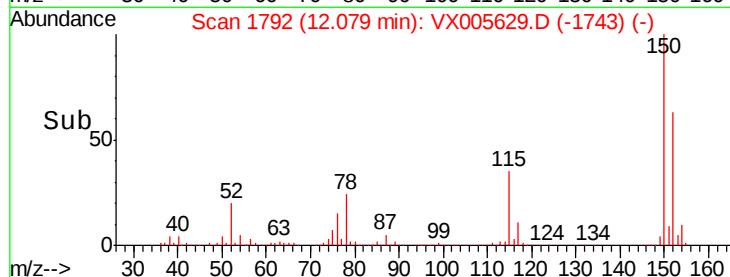
150 157.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.055 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005629.D

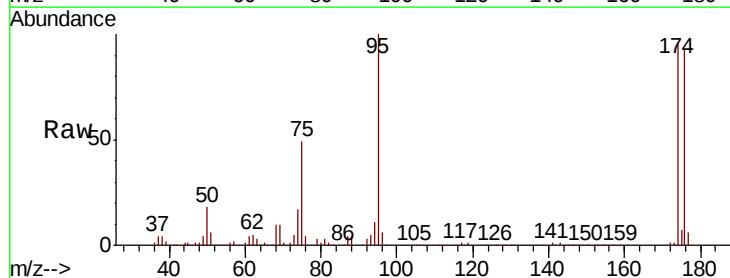
Acq: 27 Oct 2018 02:54

Tgt Ion: 75 Resp: 66879

Ion Ratio Lower Upper

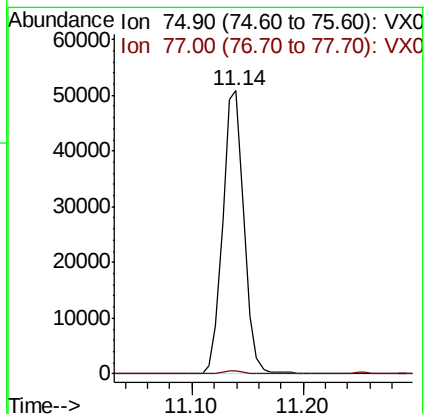
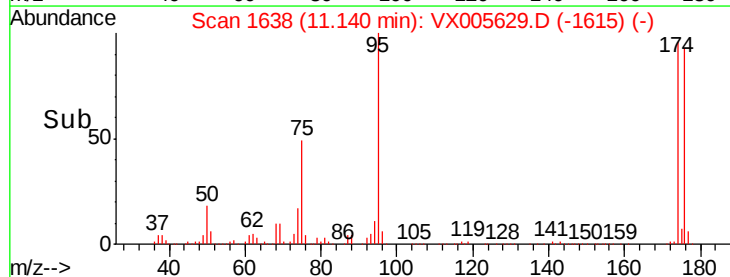
75 100

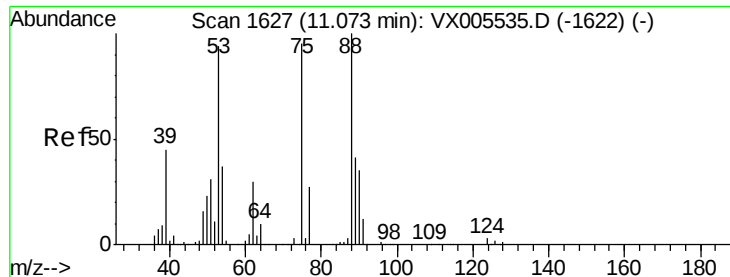
77 1.2 20.5 61.6#



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: 72.064 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

TB-102418

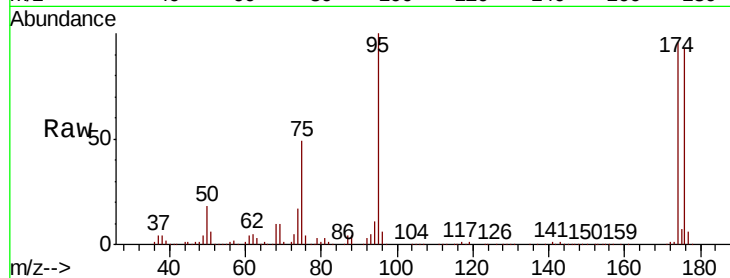
Tot Ion: 75 Resp: 66879

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

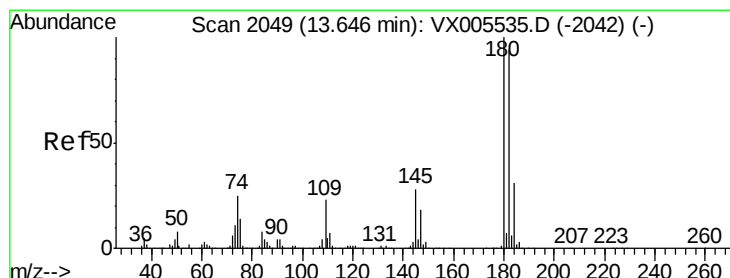
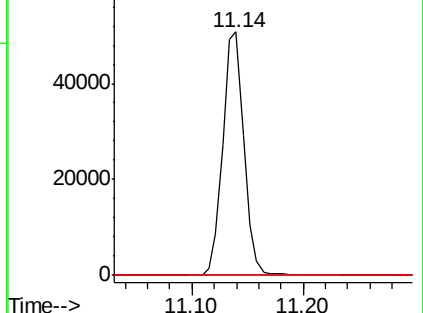
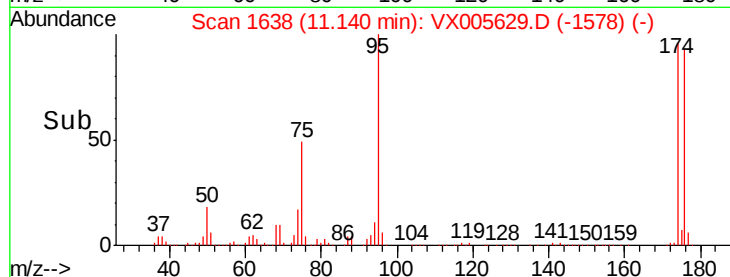
89 0.0 39.8 59.8#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.236 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX005629.D

Acq: 27 Oct 2018 02:54

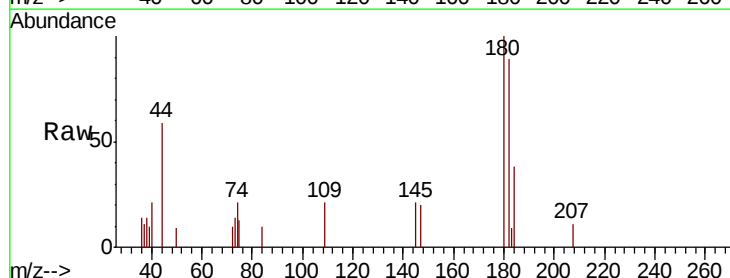
Tgt Ion:180 Resp: 794

Ion Ratio Lower Upper

180 100

182 90.4 47.6 142.8

145 27.5 14.1 42.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

