

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103120\
 Data File : VX019190.D
 Acq On : 29 Oct 2020 15:54
 Operator : JC/MD
 Sample : VX1031WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031WBL01

Quant Time: Oct 30 04:00:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	313110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	528390	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	490246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234607	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	205737	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
35) Dibromofluoromethane	5.46	113	167114	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	8.70	98	659678	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
62) 4-Bromofluorobenzene	11.12	95	244276	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	

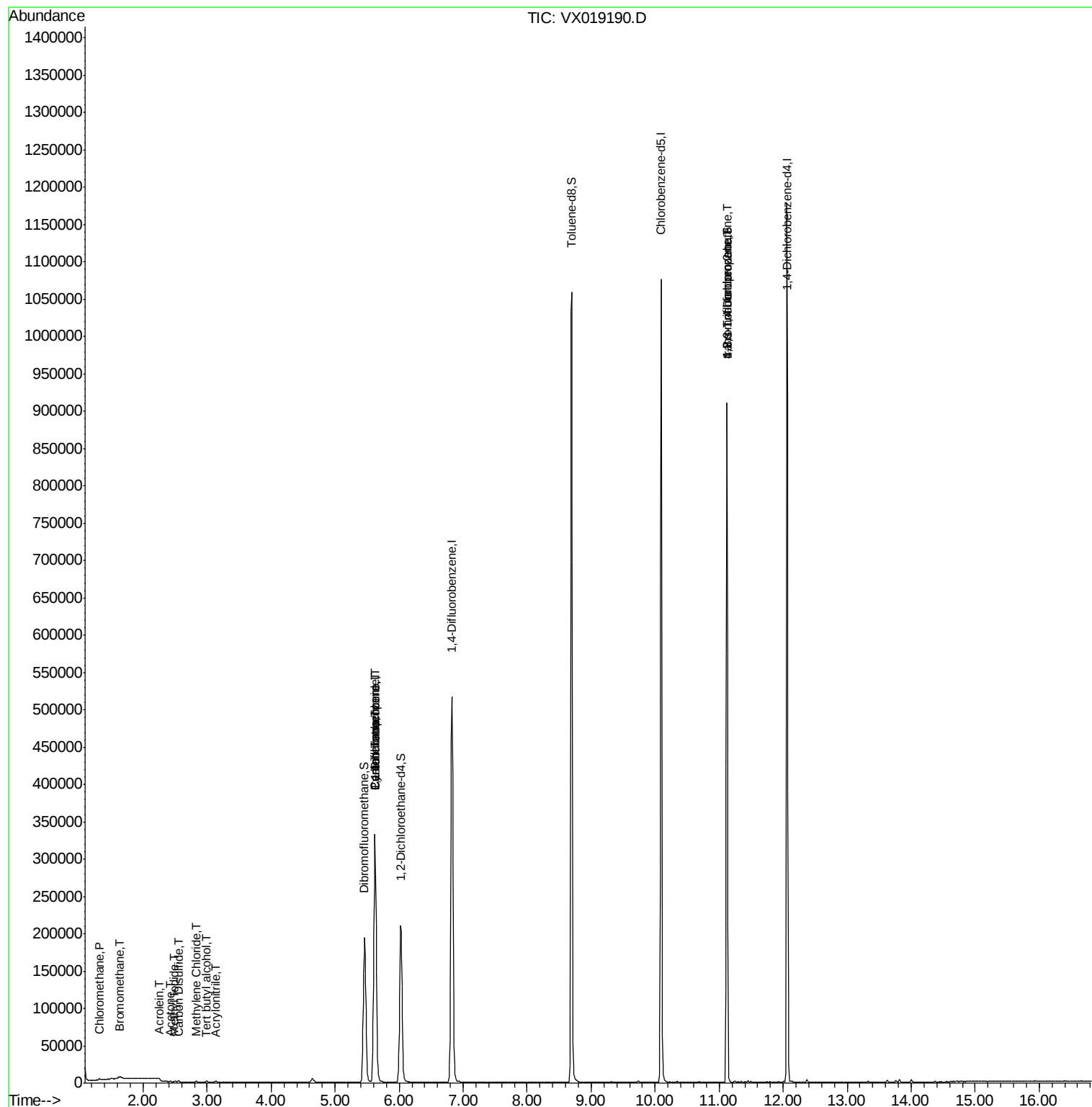
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	588	0.202	ug/l #	77
5) Bromomethane	1.64	94	712	0.308	ug/l	82
10) Methyl Iodide	2.50	142	1243	6.690	ug/l	97
11) Tert butyl alcohol	2.98	59	1015	1.273	ug/l #	72
13) Acrolein	2.26	56	347	6.599	ug/l #	16
15) Acrylonitrile	3.12	53	661	0.394	ug/l	92
16) Acetone	2.43	43	1076	0.772	ug/l #	73
17) Carbon Disulfide	2.56	76	2101	0.999	ug/l #	95
20) Methylene Chloride	2.84	84	724	0.207	ug/l	93
31) Cyclohexane	5.62	56	6776	1.328	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	25388	5.203	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32273	6.489	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	124543	25.710	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	124543	67.694	ug/l #	12

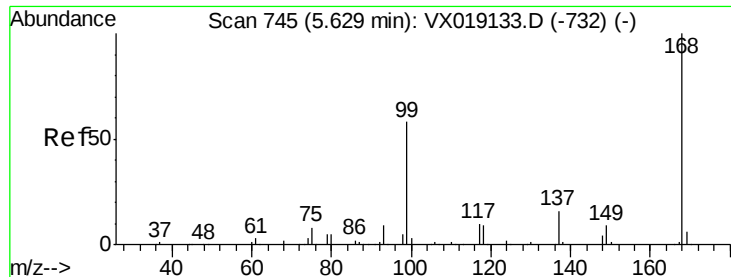
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX103120\
Data File : VX019190.D
Acq On : 29 Oct 2020 15:54
Operator : JC/MD
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1031WBL01

Quant Time: Oct 30 04:00:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

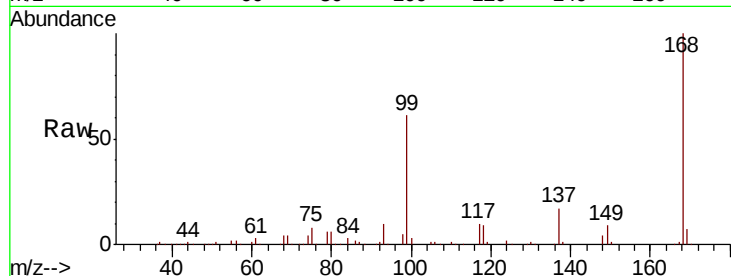
VX1031WBL01

Tot Ion:168 Resp: 313110

Ion Ratio Lower Upper

168 100

99 60.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

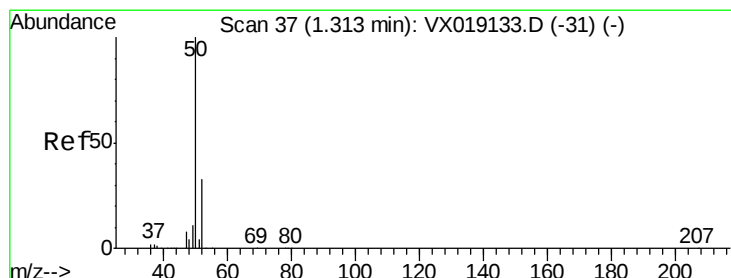
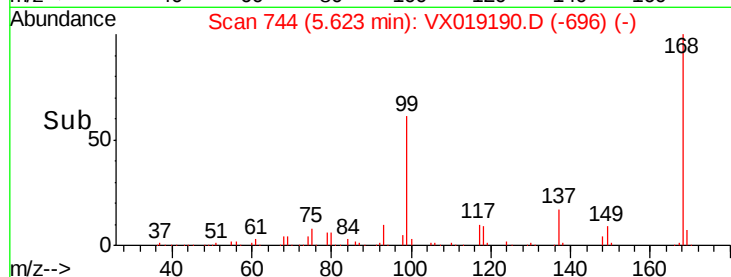
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019190.D

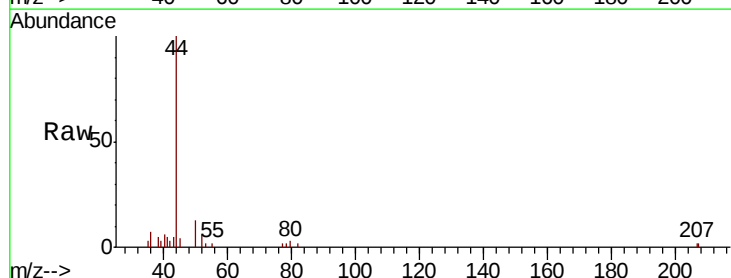
Acq: 29 Oct 2020 15:54

Tgt Ion: 50 Resp: 588

Ion Ratio Lower Upper

50 100

52 46.8 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

500

400

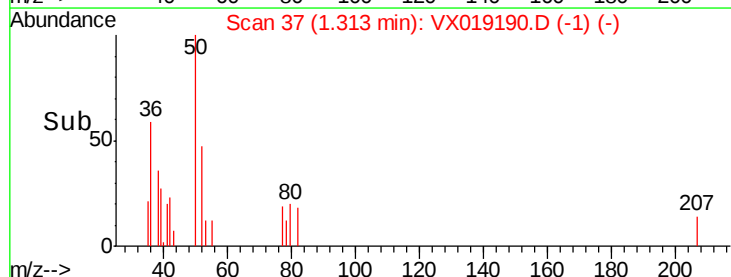
300

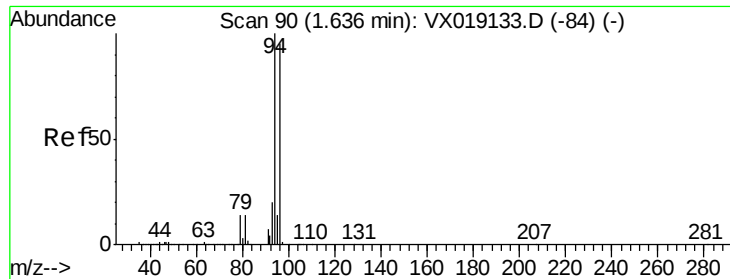
200

100

0

Time-->





#5

Bromomethane

Concen: 0.308 ug/l

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

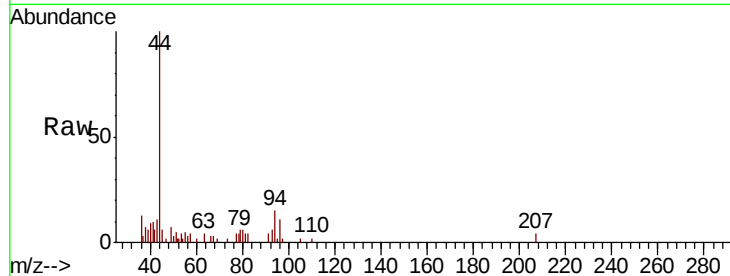
VX1031WBL01

Tot Ion: 94 Resp: 712

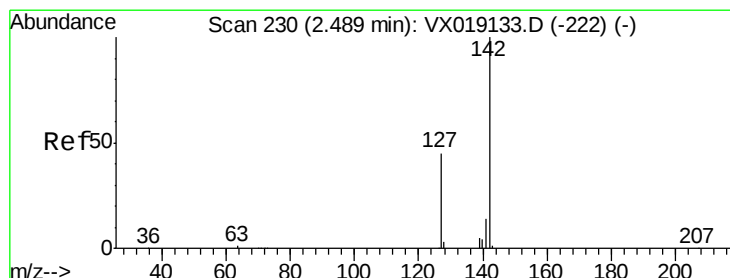
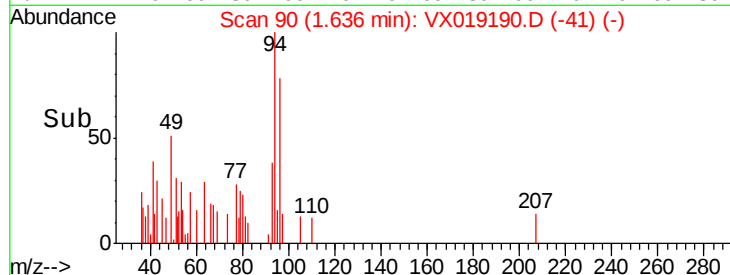
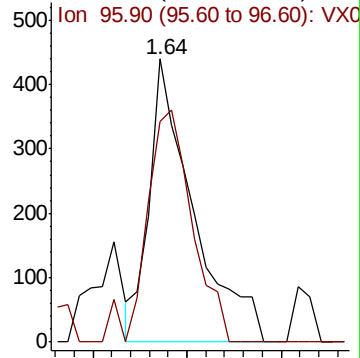
Ion Ratio Lower Upper

94 100

96 77.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0



#10

Methyl Iodide

Concen: 6.690 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

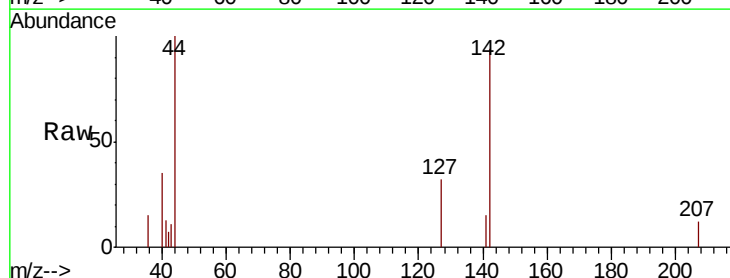
Tgt Ion: 142 Resp: 1243

Ion Ratio Lower Upper

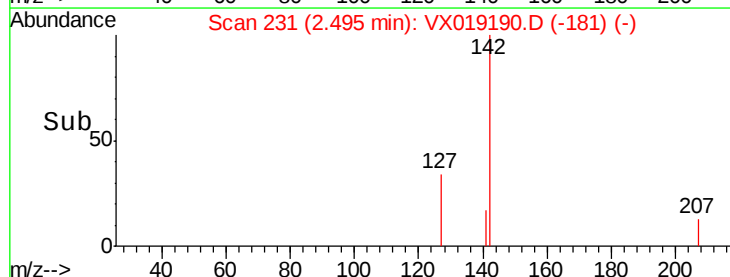
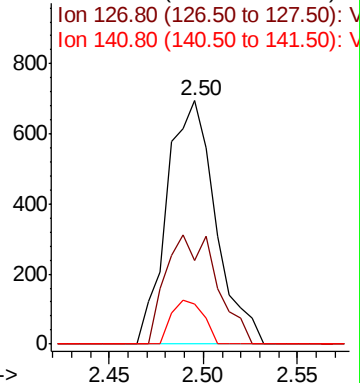
142 100

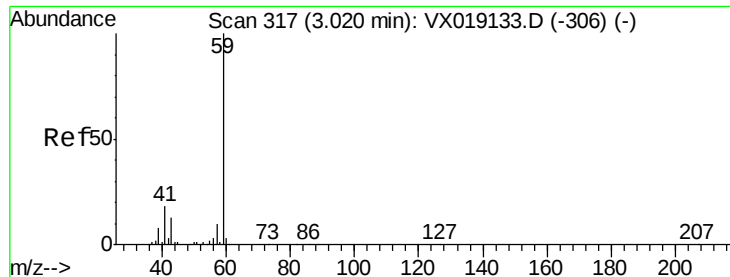
127 46.8 36.1 54.1

141 11.8 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V



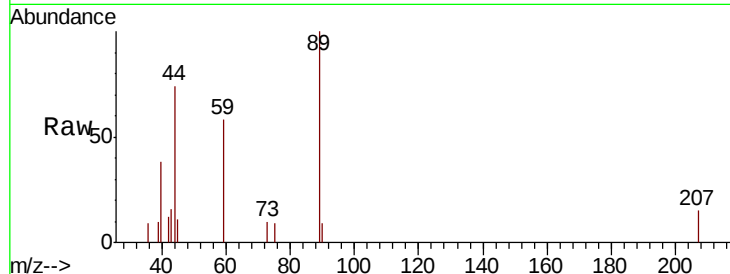


#11

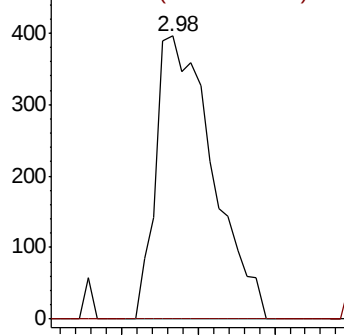
Tert butvl alcohol
 Concen: 1.273 ug/l
 RT: 2.98 min Scan# 311
 Delta R.T. -0.04 min
 Lab File: VX019190.D
 Acq: 29 Oct 2020 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031WBL01

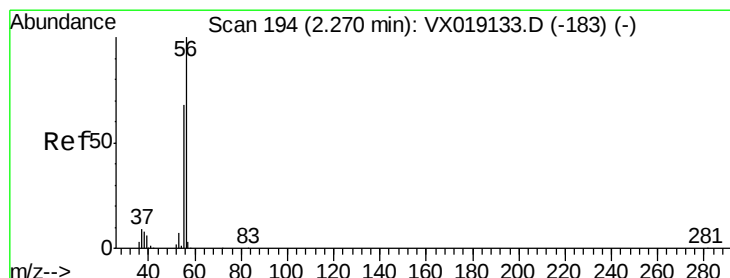
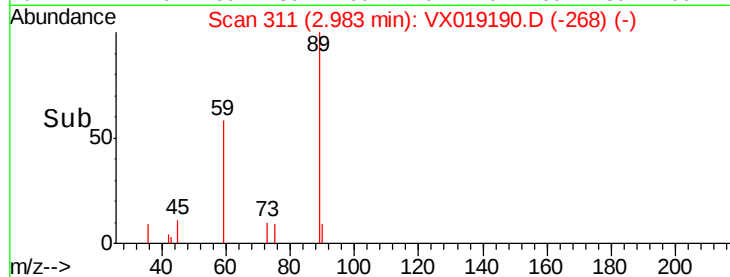
Tot Ion: 59 Resp: 1015
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



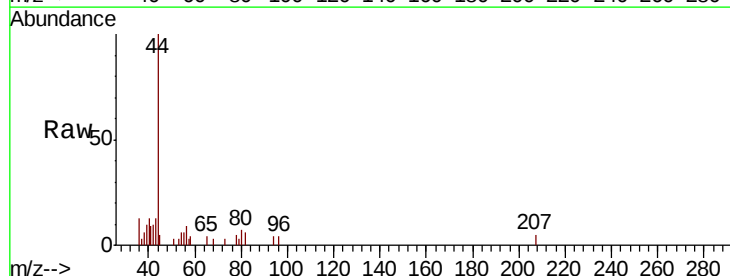
Time-->



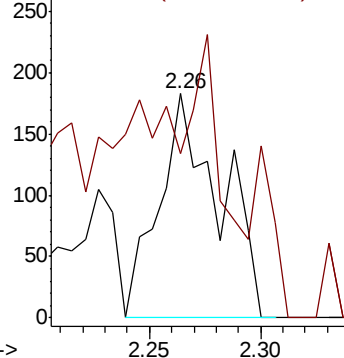
#13

Acrolein
 Concen: 6.599 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX019190.D
 Acq: 29 Oct 2020 15:54

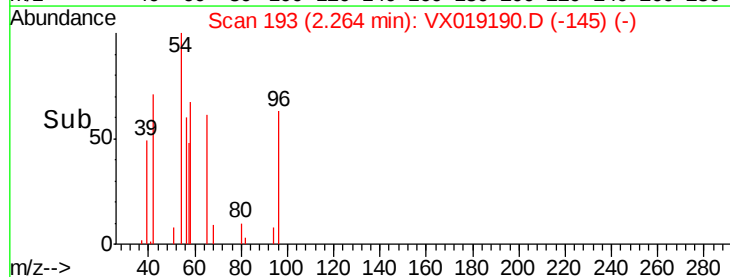
Tgt Ion: 56 Resp: 347
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#

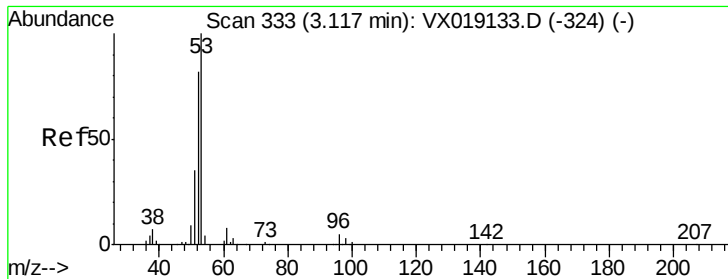


Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0



Time-->

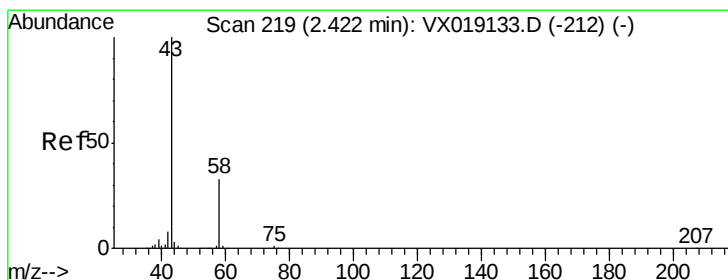
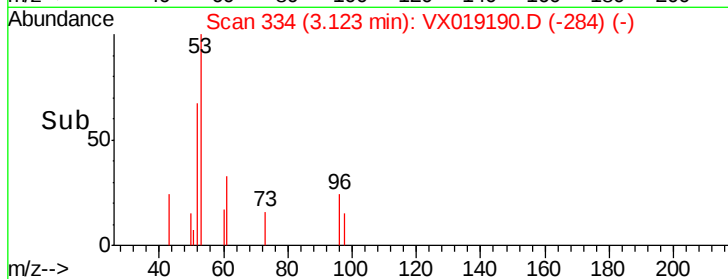
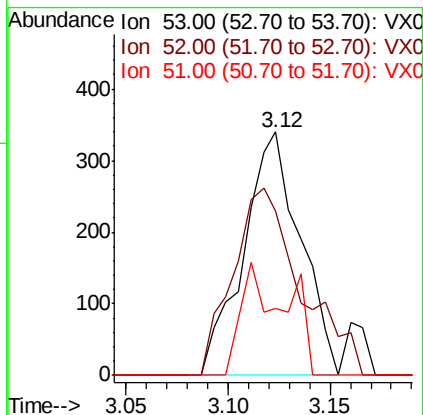
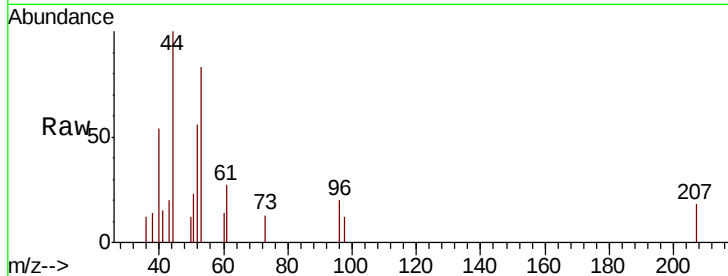




#15
 Acrylonitrile
 Concen: 0.394 ug/l
 RT: 3.12 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VX019190.D
 Acq: 29 Oct 2020 15:54

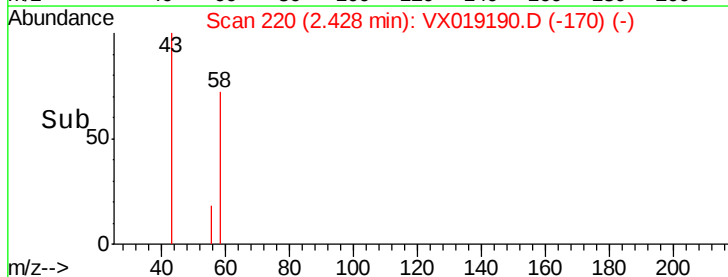
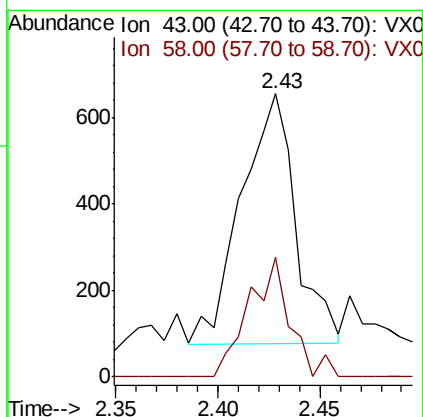
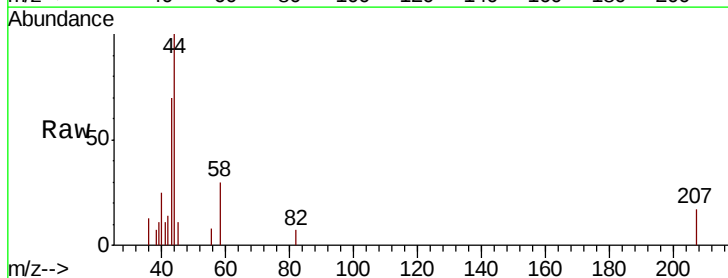
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031WBL01

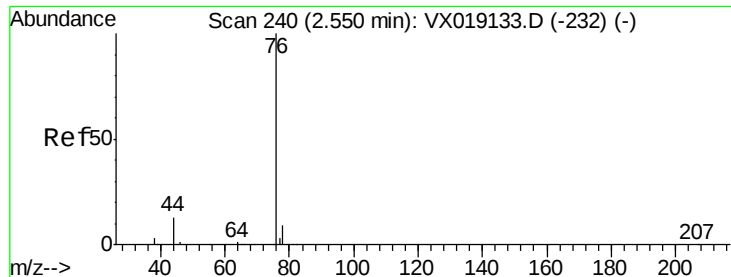
Tot Ion: 53 Resp: 661
 Ion Ratio Lower Upper
 53 100
 52 92.1 65.7 98.5
 51 35.9 28.4 42.6



#16
 Acetone
 Concen: 0.772 ug/l
 RT: 2.43 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX019190.D
 Acq: 29 Oct 2020 15:54

Tgt Ion: 43 Resp: 1076
 Ion Ratio Lower Upper
 43 100
 58 47.9 26.3 39.5#

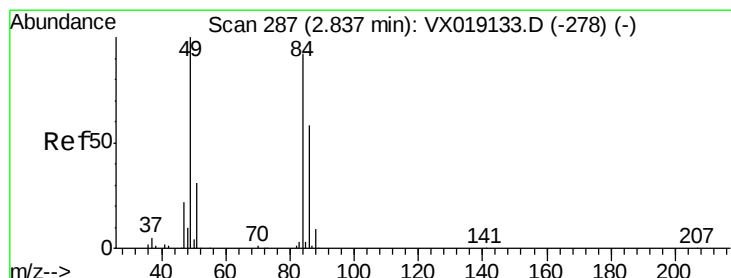
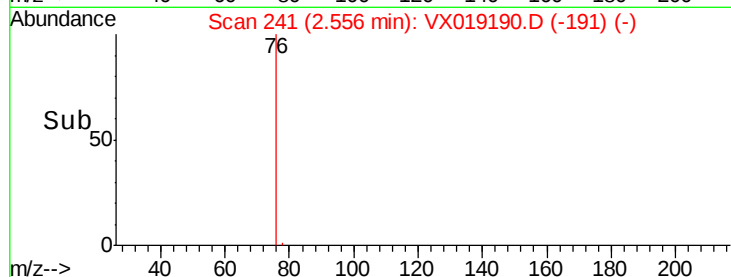
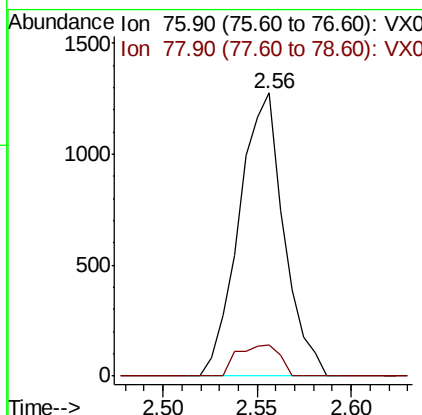
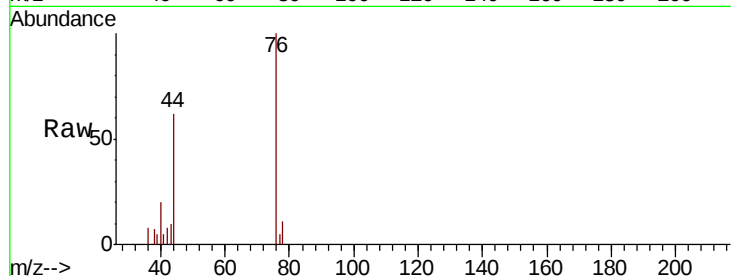




#17
Carbon Disulfide
Concen: 0.999 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX019190.D
Acq: 29 Oct 2020 15:54

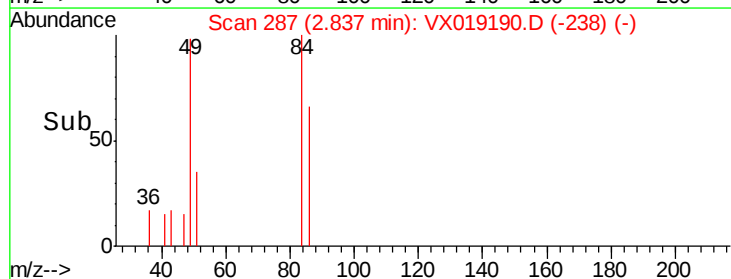
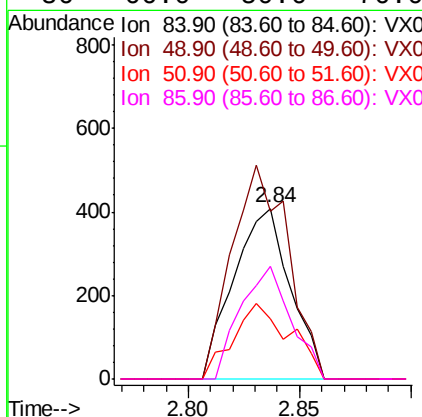
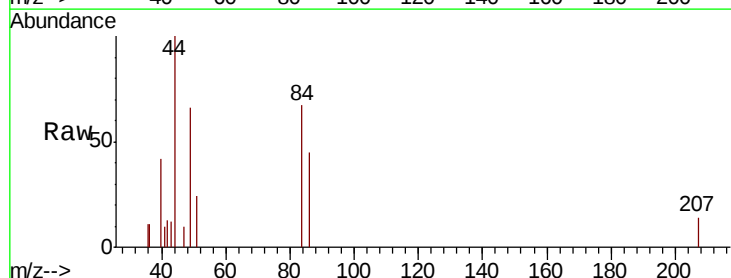
Instrument :
MSVOA_X
ClientSampleId :
VX1031WBL01

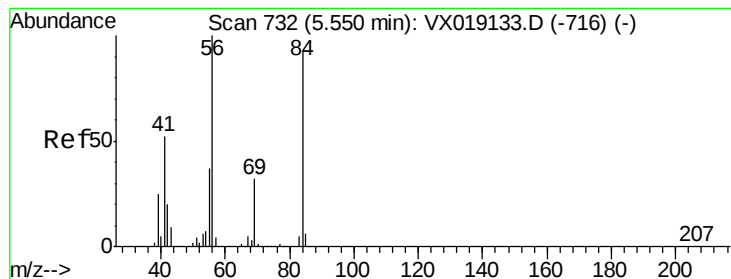
Tot Ion: 76 Resp: 2101
Ion Ratio Lower Upper
76 100
78 11.1 7.3 10.9#



#20
Methylene Chloride
Concen: 0.207 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019190.D
Acq: 29 Oct 2020 15:54

Tgt Ion: 84 Resp: 724
Ion Ratio Lower Upper
84 100
49 98.3 86.8 130.2
51 35.5 27.3 40.9
86 66.0 50.6 76.0





#31

Cvclohexane

Concen: 1.328 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX1031WBL01

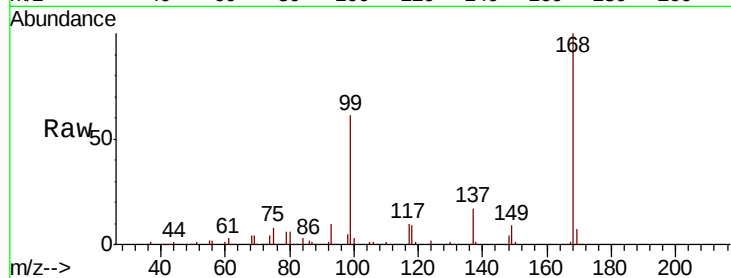
Tot Ion: 56 Resp: 6776

Ion Ratio Lower Upper

56 100

69 177.0 25.9 38.9#

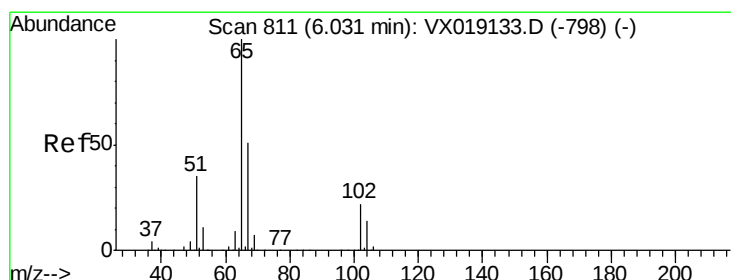
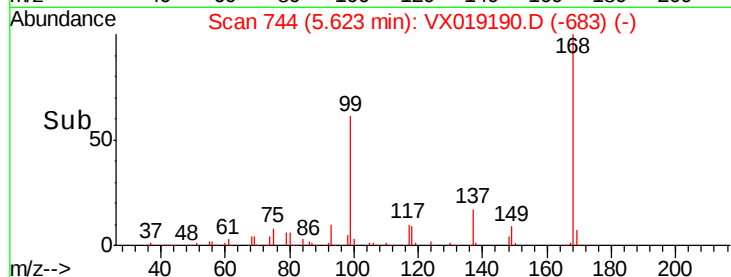
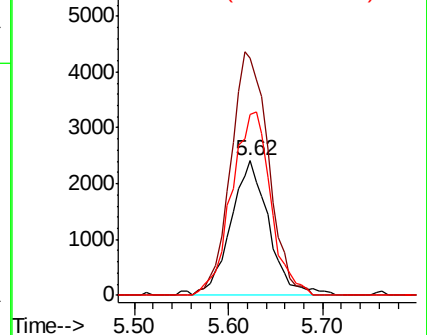
84 134.8 73.4 110.2#



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: 50.951 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019190.D

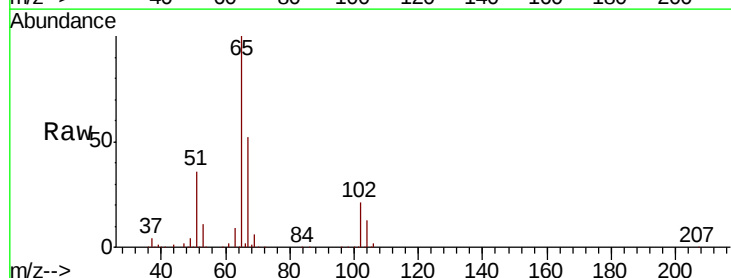
Acq: 29 Oct 2020 15:54

Tgt Ion: 65 Resp: 205737

Ion Ratio Lower Upper

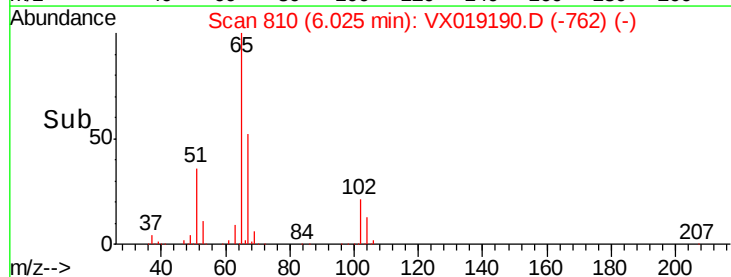
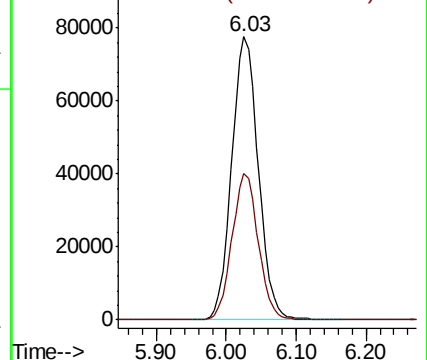
65 100

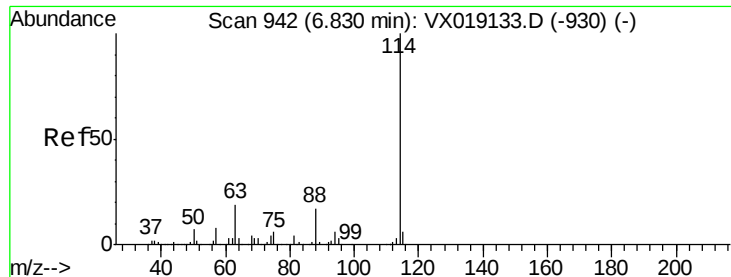
67 51.2 0.0 103.0



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: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX1031WBL01

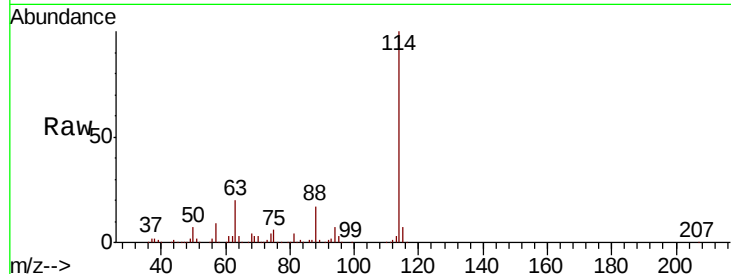
Tot Ion:114 Resp: 528390

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

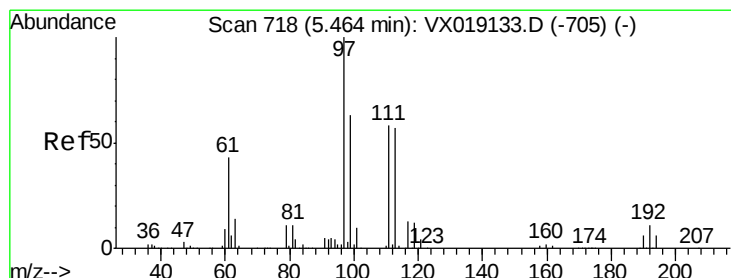
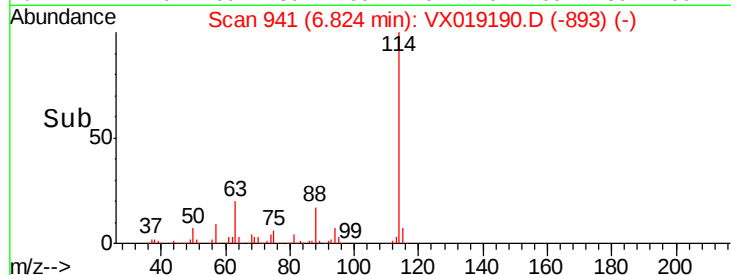
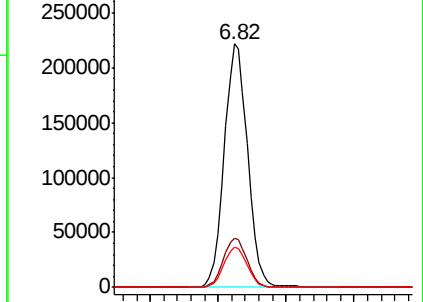
88 16.7 0.0 34.2



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: 50.351 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

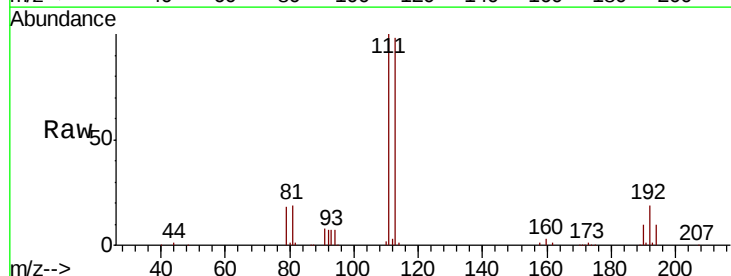
Tgt Ion:113 Resp: 167114

Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

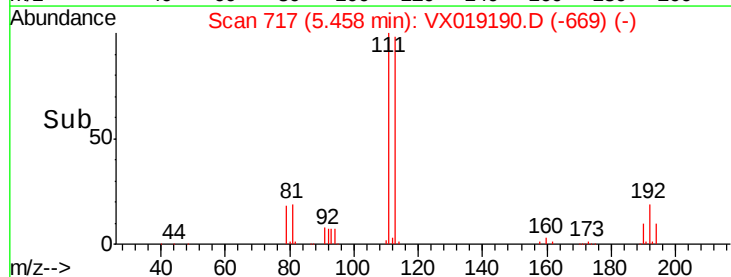
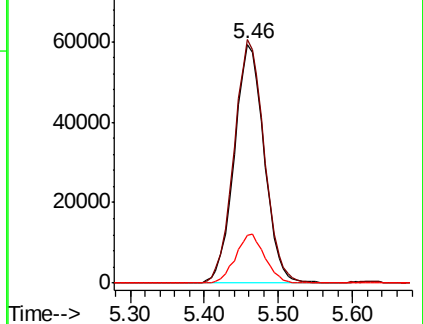
192 20.2 16.2 24.2

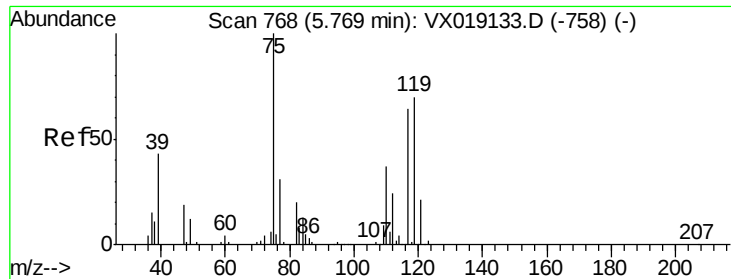


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.203 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX1031WBL01

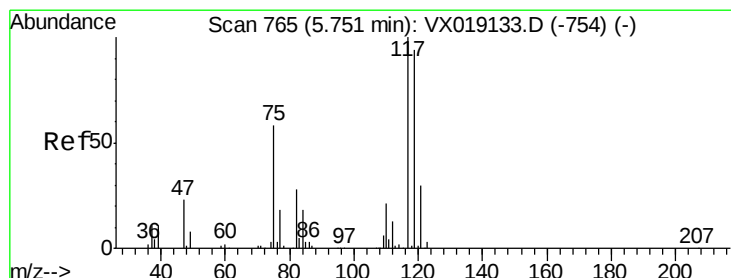
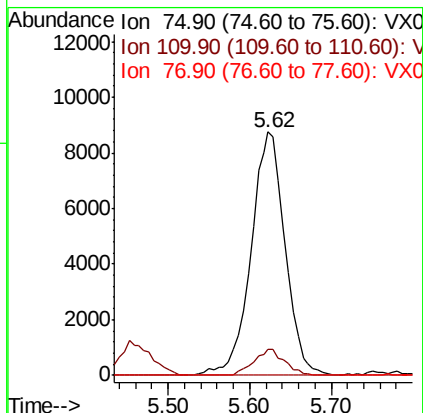
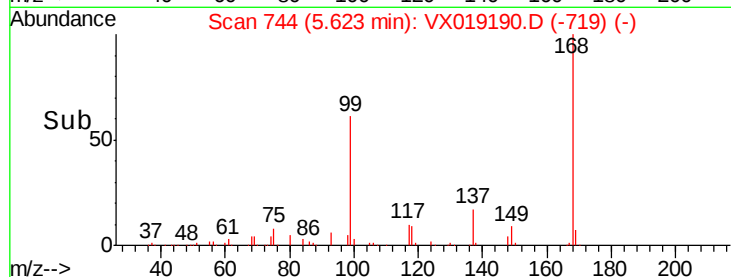
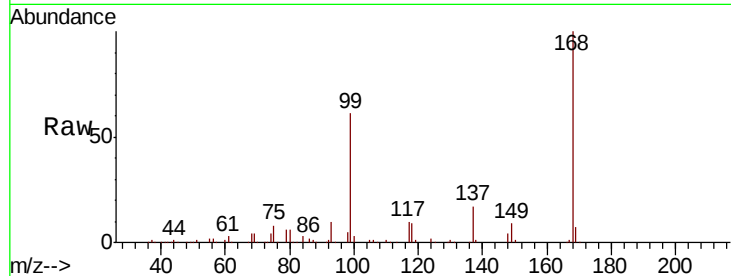
Tot Ion: 75 Resp: 25388

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.489 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

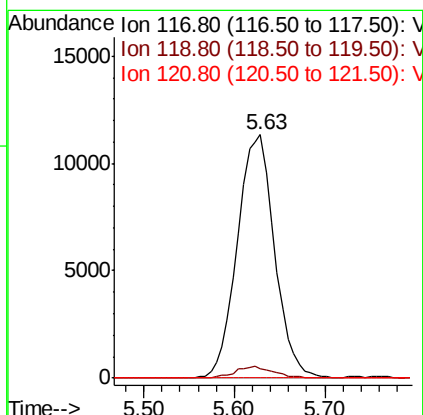
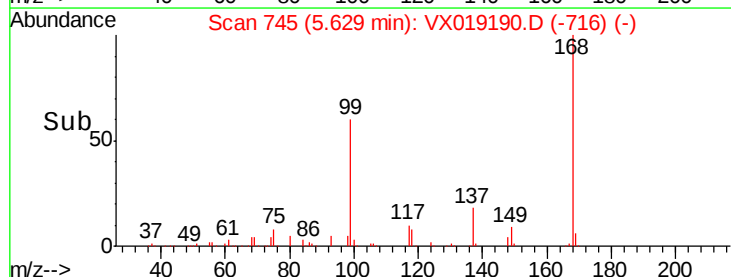
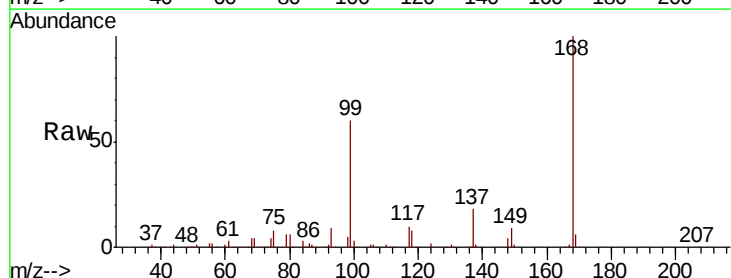
Tgt Ion:117 Resp: 32273

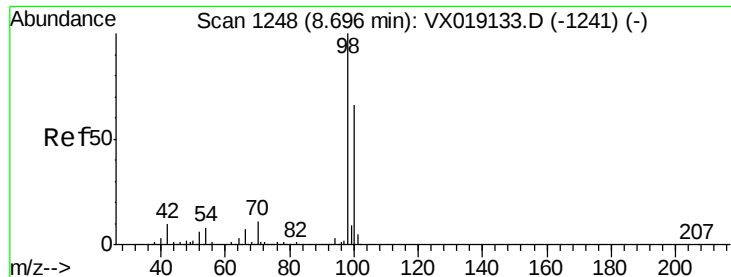
Ion Ratio Lower Upper

117 100

119 4.0 75.0 112.6#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 52.726 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

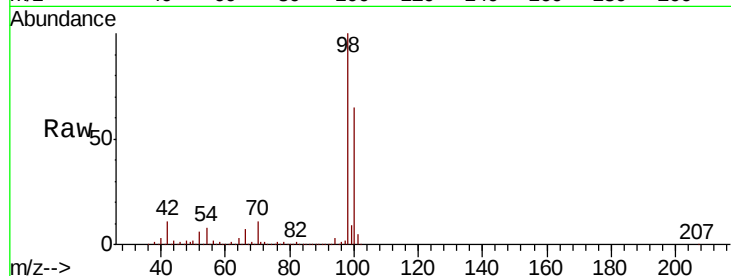
VX1031WBL01

Tot Ion: 98 Resp: 659678

Ion Ratio Lower Upper

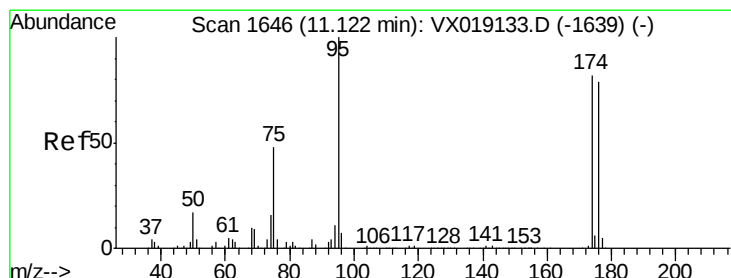
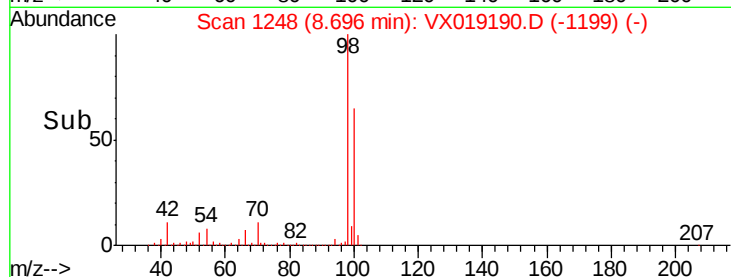
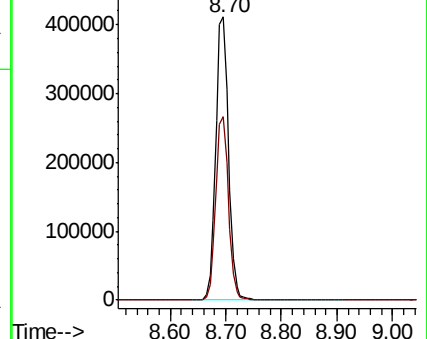
98 100

100 65.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 51.555 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

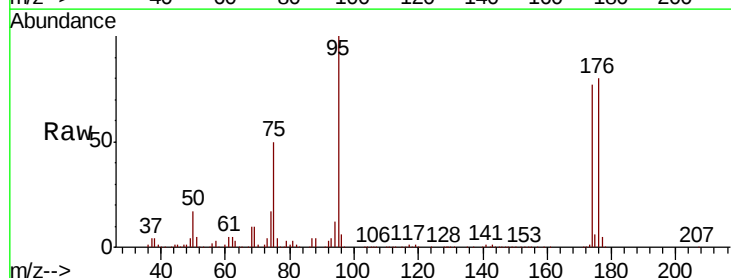
Tgt Ion: 95 Resp: 244276

Ion Ratio Lower Upper

95 100

174 76.3 0.0 156.0

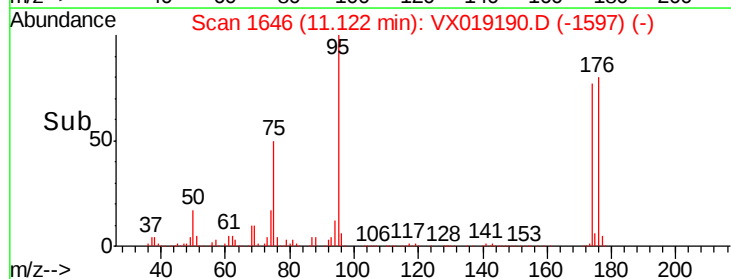
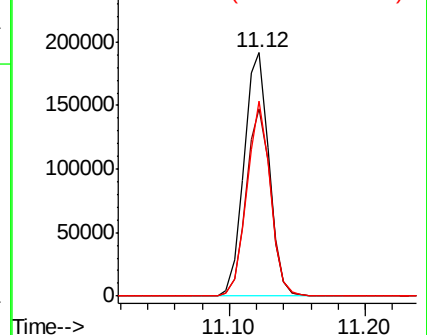
176 75.0 0.0 149.8

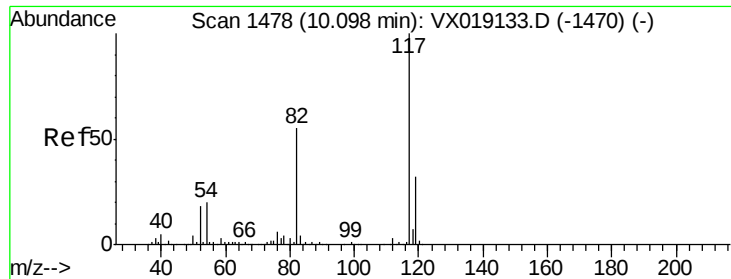


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

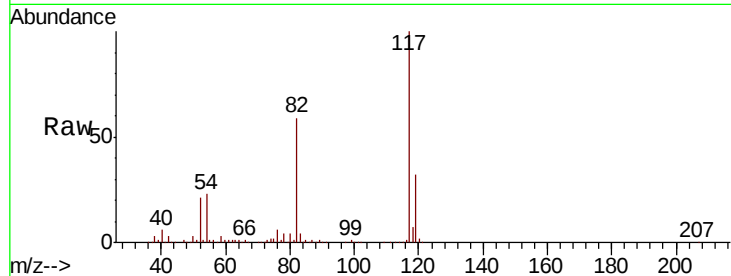




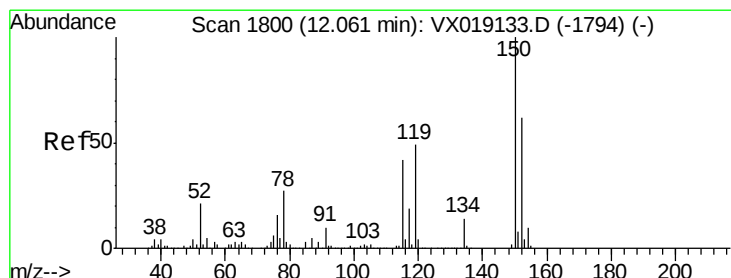
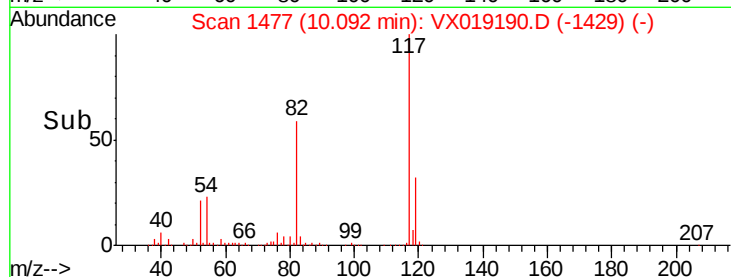
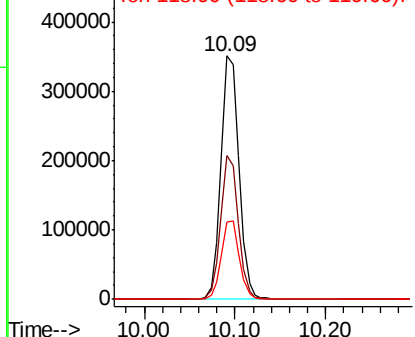
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019190.D
Acq: 29 Oct 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX1031WBL01

Tot Ion:117 Resp: 490246
Ion Ratio Lower Upper
117 100
82 59.1 43.6 65.4
119 31.8 25.5 38.3

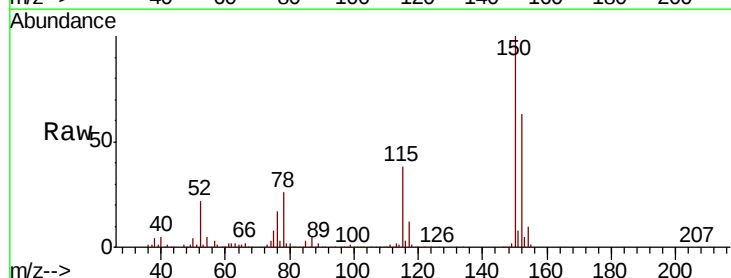


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

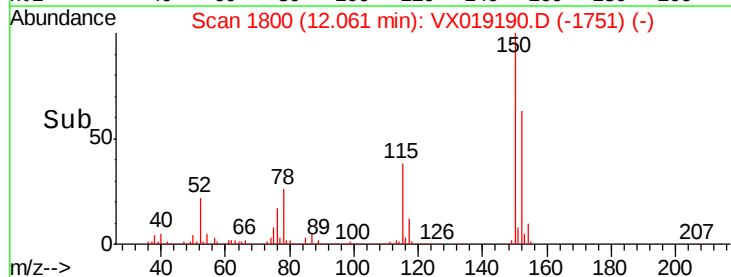
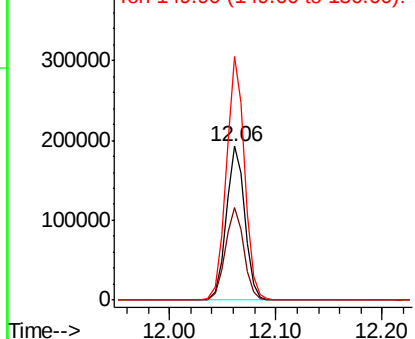


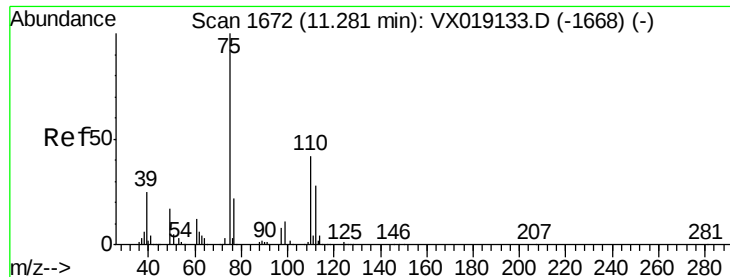
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019190.D
Acq: 29 Oct 2020 15:54

Tgt Ion:152 Resp: 234607
Ion Ratio Lower Upper
152 100
115 60.0 41.9 125.7
150 156.4 0.0 347.8



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: 25.710 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

Instrument :

MSVOA_X

ClientSampled :

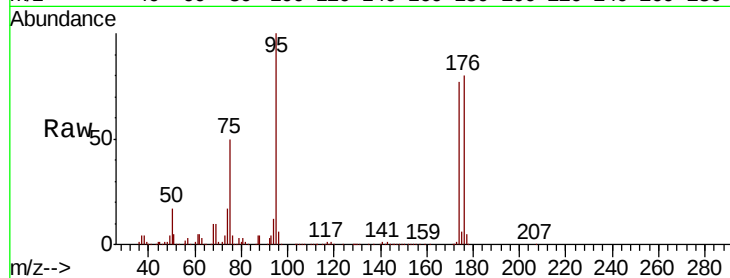
VX1031WBL01

Tot Ion: 75 Resp: 124543

Ion Ratio Lower Upper

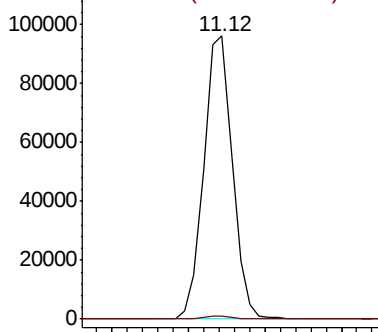
75 100

77 1.1 20.3 60.9#

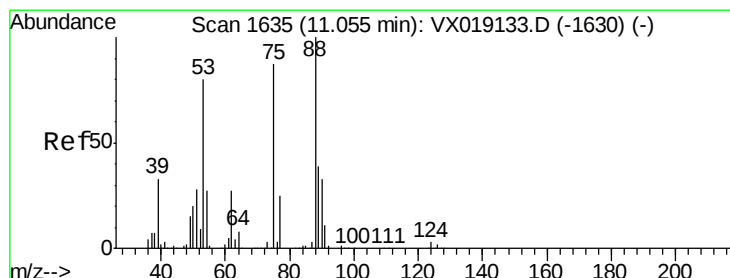
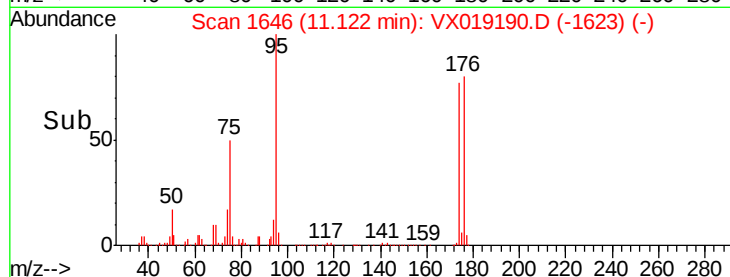


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 67.694 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019190.D

Acq: 29 Oct 2020 15:54

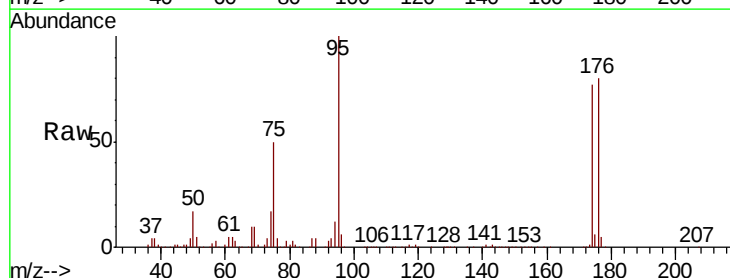
Tgt Ion: 75 Resp: 124543

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

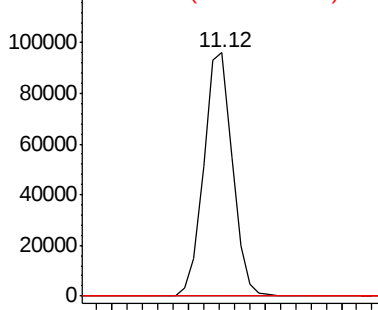
89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time--> 11.05 11.10 11.15 11.20

