

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019026.D
 Acq On : 22 Oct 2020 14:52
 Operator : JC/SP
 Sample : L4417-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

Quant Time: Oct 23 08:32:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	275283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	472207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	463671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	235339	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	167644	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.68%	
35) Dibromofluoromethane	5.46	113	146807	49.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.20%	
50) Toluene-d8	8.70	98	588279	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.12	95	219697	54.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.28%	

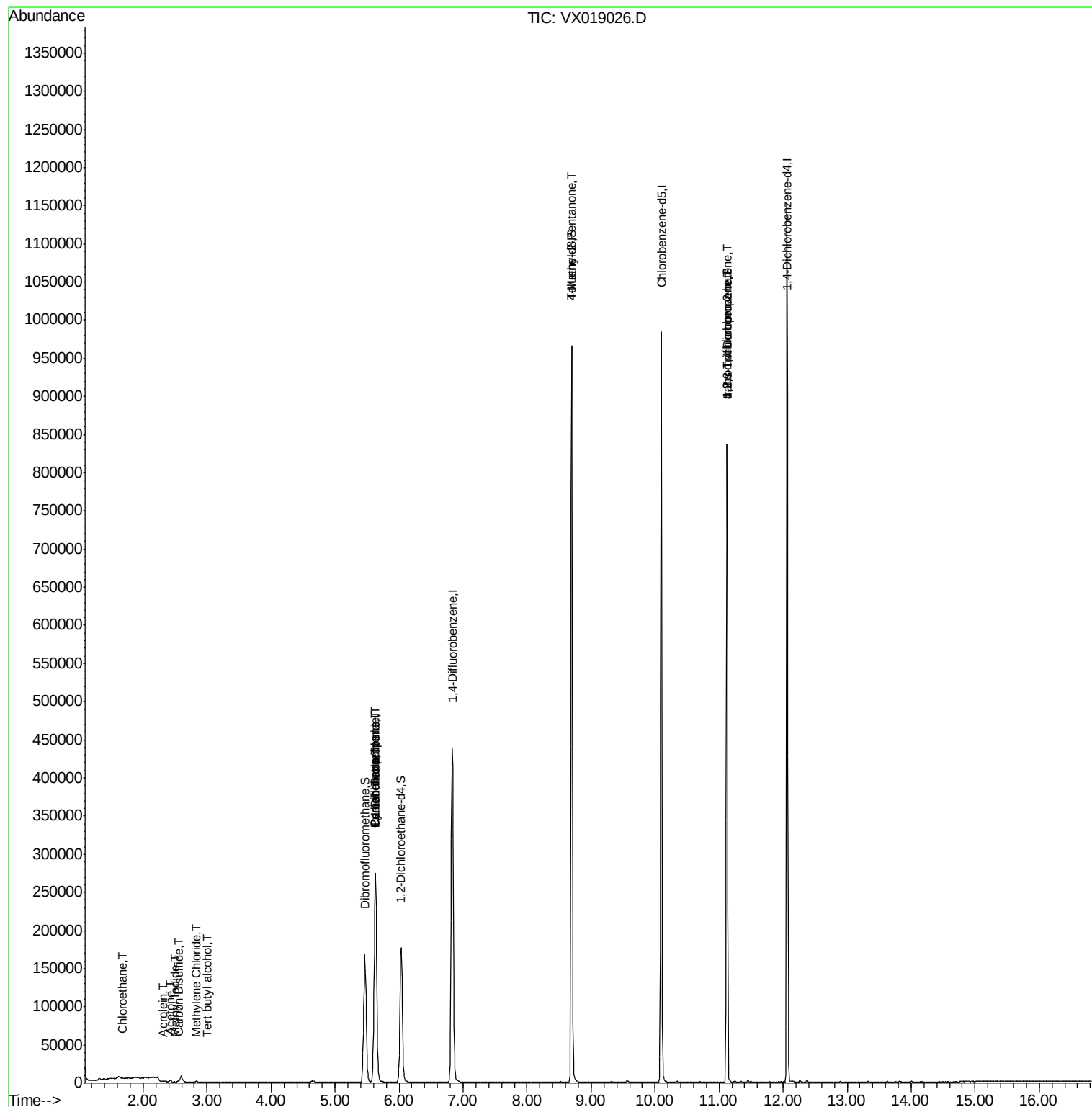
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	352	Below Cal	#	56
6) Chloroethane	1.68	64	19	1.280	ug/l #	43
10) Methyl Iodide	2.50	142	165	4.811	ug/l #	57
11) Tert butyl alcohol	3.00	59	220	0.329	ug/l	98
13) Acrolein	2.31	56	45	13.794	ug/l #	16
16) Acetone	2.42	43	2663	2.371	ug/l	93
17) Carbon Disulfide	2.56	76	2012	0.260	ug/l #	84
20) Methylene Chloride	2.82	84	724	0.232	ug/l #	84
31) Cyclohexane	5.62	56	5468	1.416	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20205	4.769	ug/l #	48
38) Carbon Tetrachloride	5.63	117	27192	6.114	ug/l #	16
51) 4-Methyl-2-Pentanone	8.70	43	2175	0.603	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	109471	23.273	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	109471	59.295	ug/l #	15

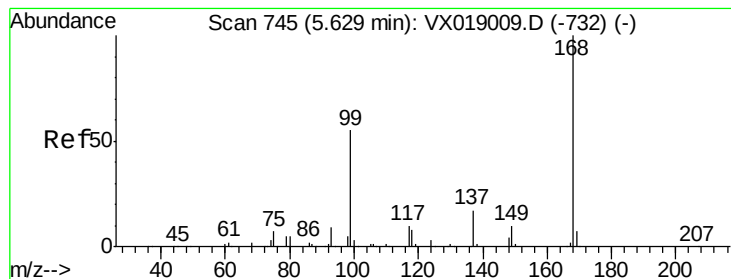
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019026.D

Acq: 22 Oct 2020 14:52

Instrument :

MSVOA_X

ClientSampled :

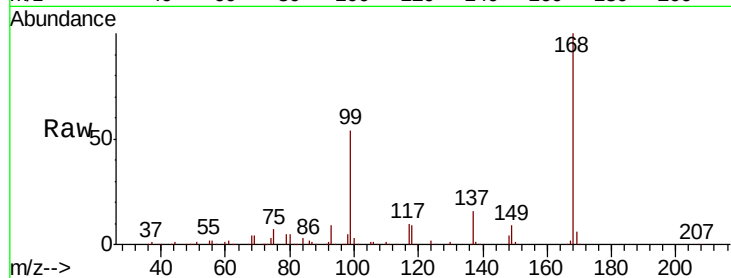
MW-9

Tot Ion:168 Resp: 275283

Ion Ratio Lower Upper

168 100

99 53.8 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

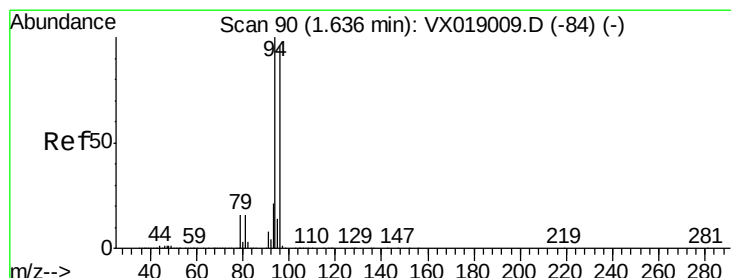
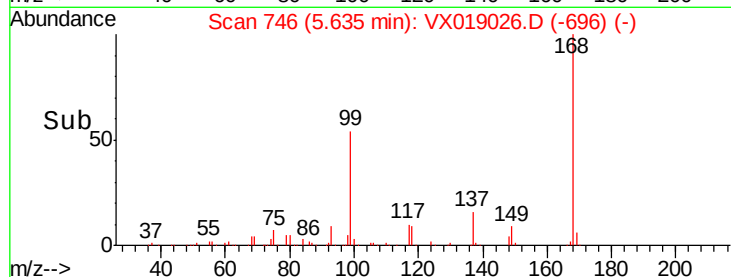
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX019026.D

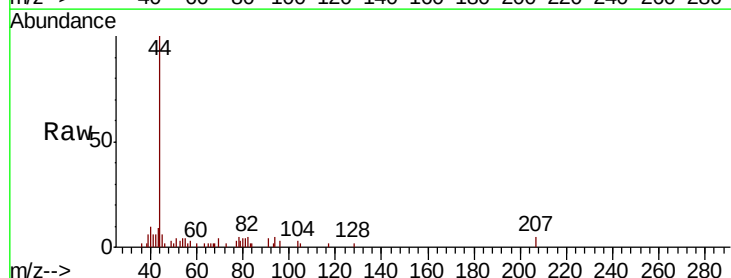
Acq: 22 Oct 2020 14:52

Tgt Ion: 94 Resp: 352

Ion Ratio Lower Upper

94 100

96 53.2 77.1 115.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

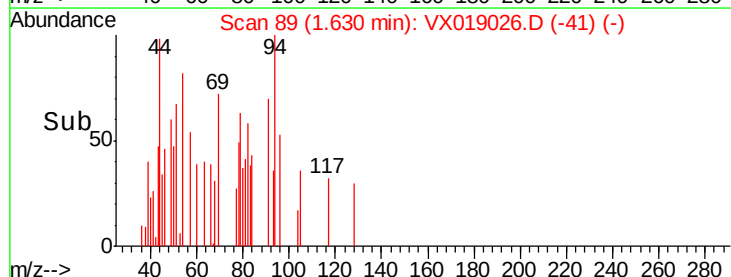
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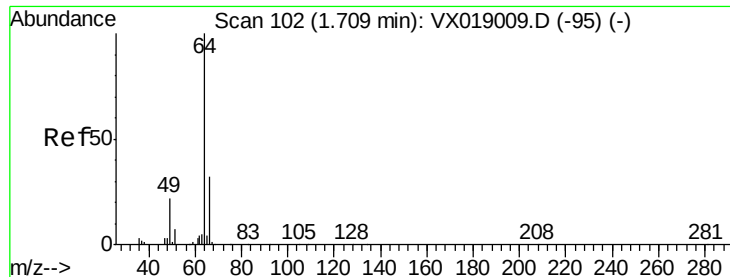
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50

0

Time-->

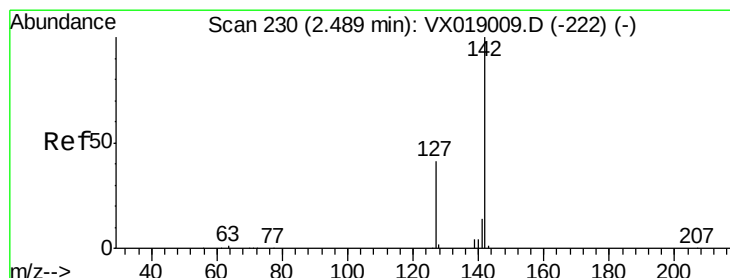
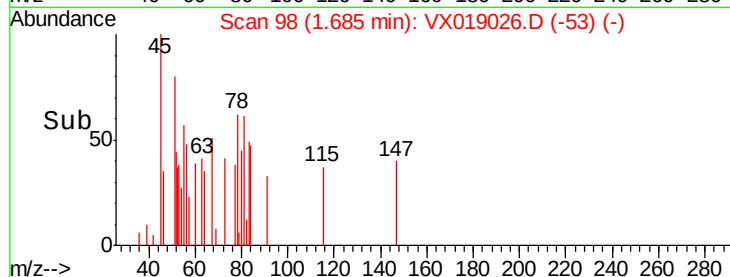
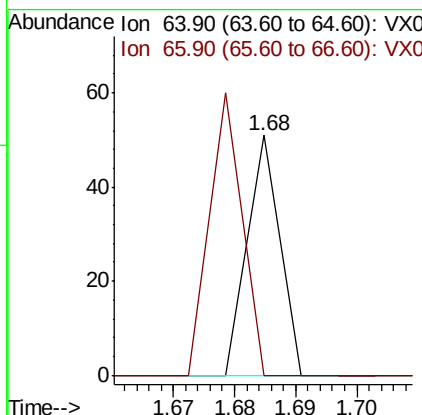
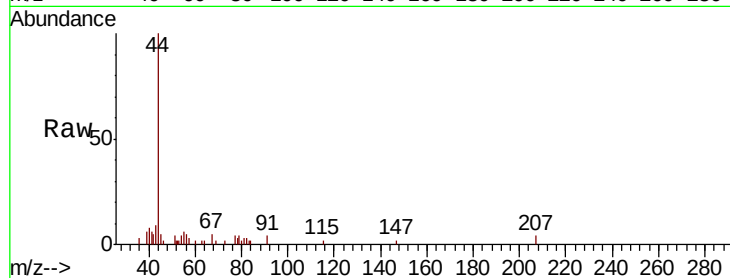




#6
Chloroethane
Concen: 1.280 ug/l
RT: 1.68 min Scan# 98
Delta R.T. -0.02 min
Lab File: VX019026.D
Acq: 22 Oct 2020 14:52

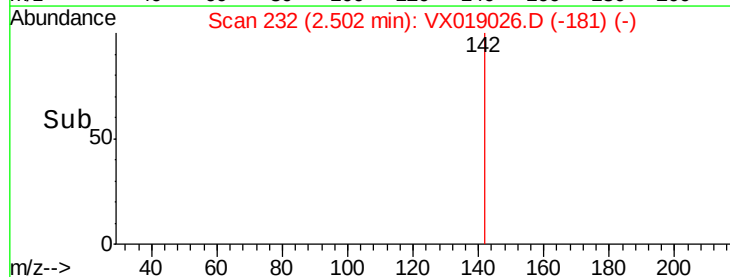
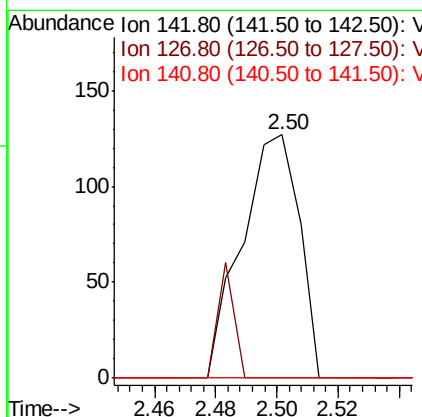
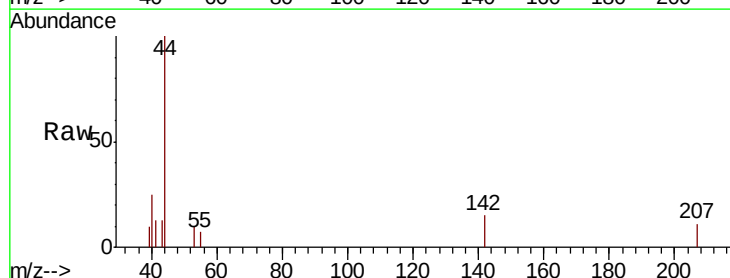
Instrument :
MSVOA_X
ClientSampled :
MW-9

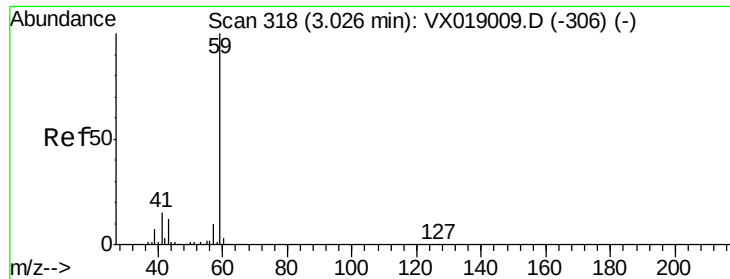
Tot Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#10
Methyl Iodide
Concen: 4.811 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX019026.D
Acq: 22 Oct 2020 14:52

Tgt Ion: 142 Resp: 165
Ion Ratio Lower Upper
142 100
127 13.3 33.6 50.4#
141 0.0 11.2 16.8#



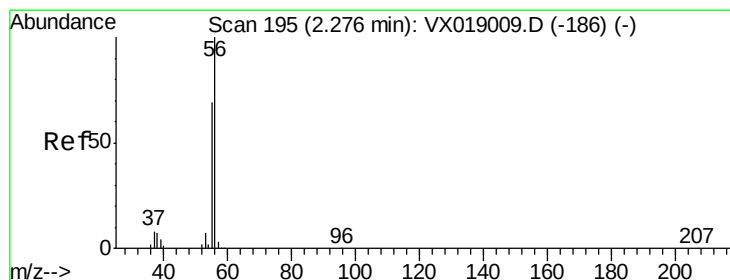
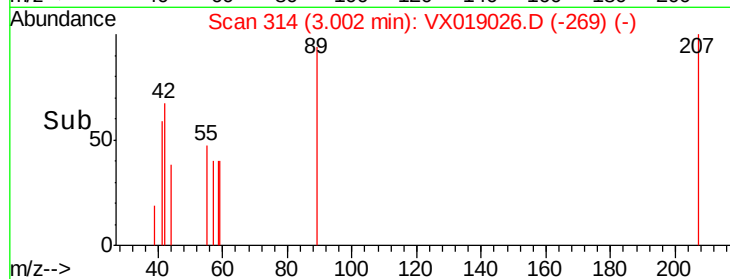
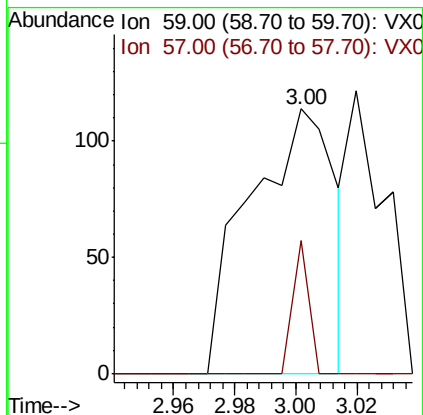
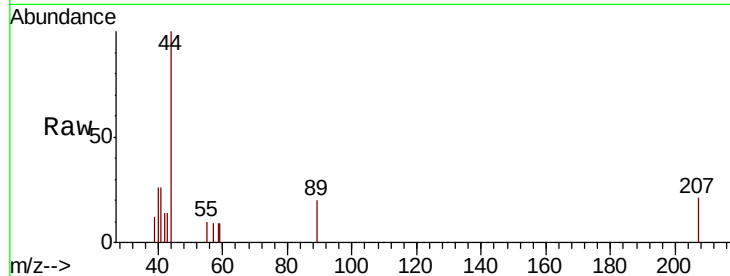


#11

Tert butyl alcohol
 Concen: 0.329 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX019026.D
 Acq: 22 Oct 2020 14:52

Instrument :
 MSVOA_X
 ClientSampled :
 MW-9

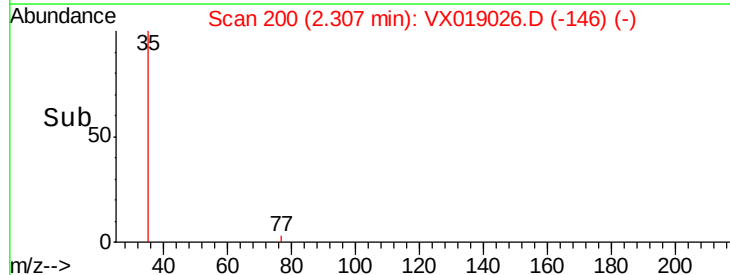
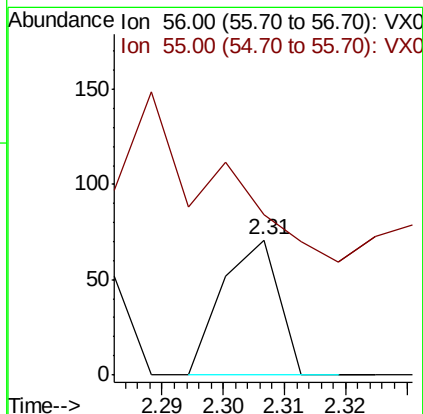
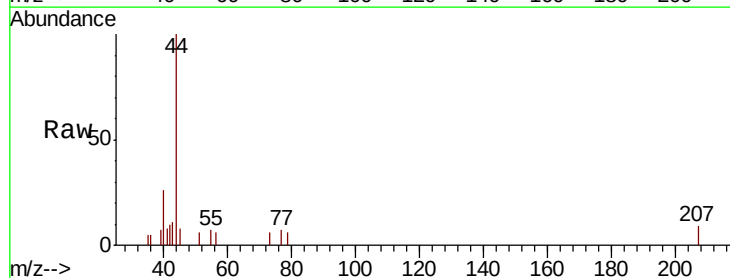
Tot Ion: 59 Resp: 220
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.2 12.2

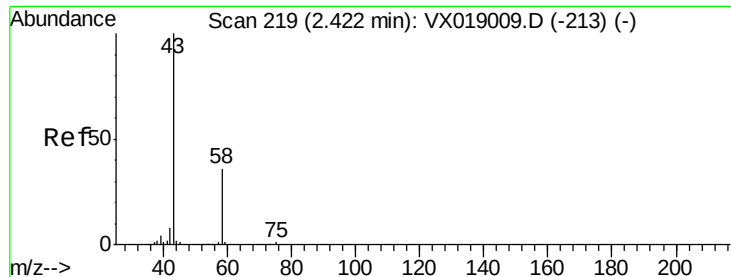


#13

Acrolein
 Concen: 13.794 ug/l
 RT: 2.31 min Scan# 200
 Delta R.T. 0.03 min
 Lab File: VX019026.D
 Acq: 22 Oct 2020 14:52

Tgt Ion: 56 Resp: 45
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.2 81.4#





#16

Acetone

Concen: 2.371 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019026.D

Acq: 22 Oct 2020 14:52

Instrument :

MSVOA_X

ClientSampled :

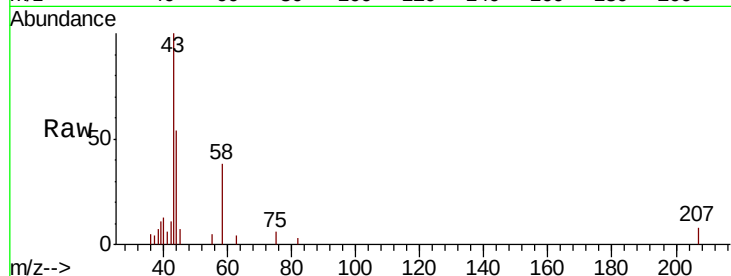
MW-9

Tot Ion: 43 Resp: 2663

Ion Ratio Lower Upper

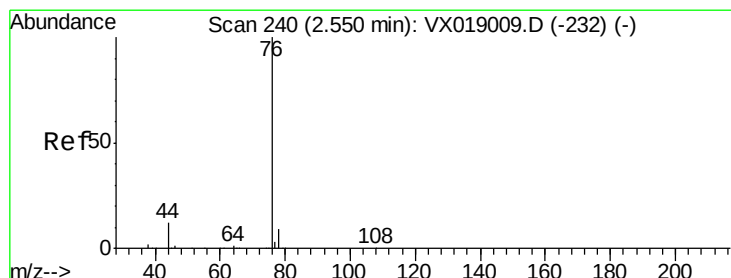
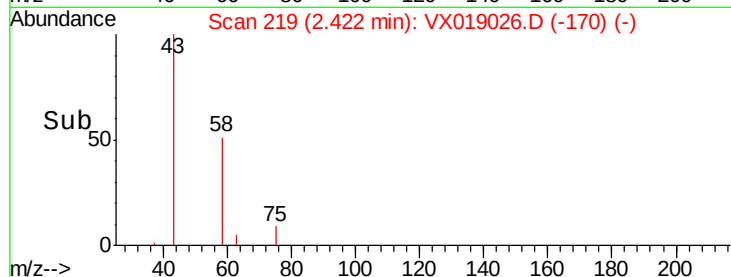
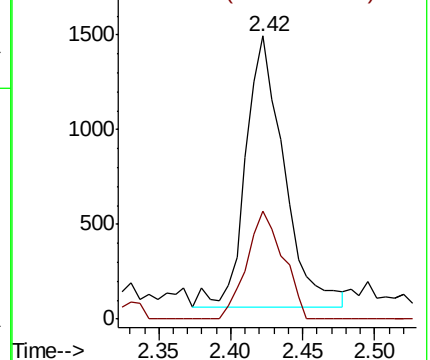
43 100

58 39.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019026.D

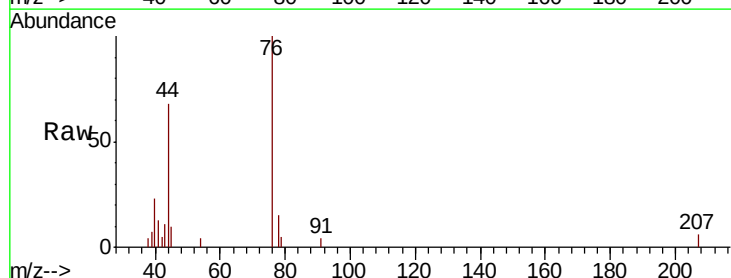
Acq: 22 Oct 2020 14:52

Tgt Ion: 76 Resp: 2012

Ion Ratio Lower Upper

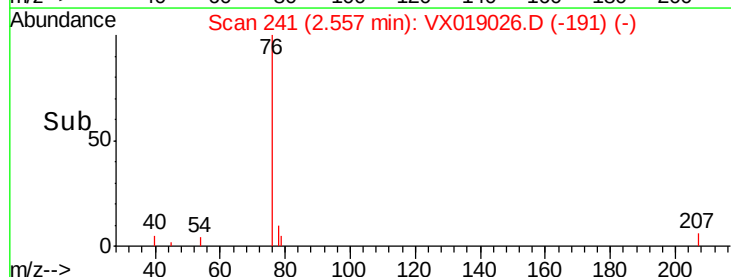
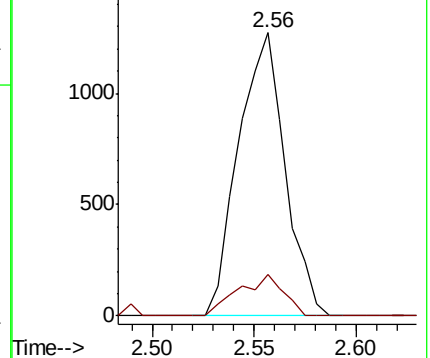
76 100

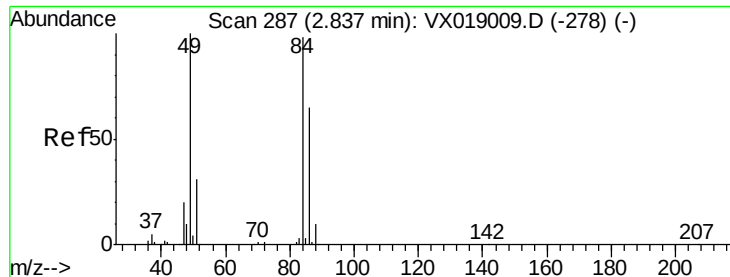
78 14.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

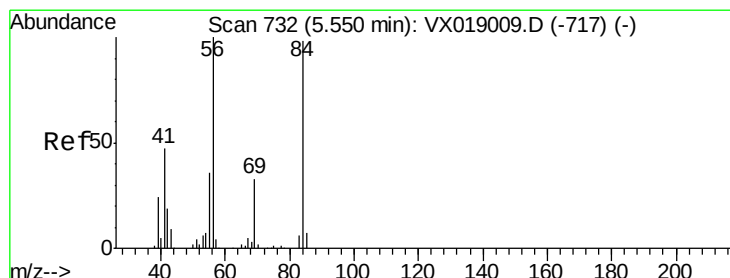
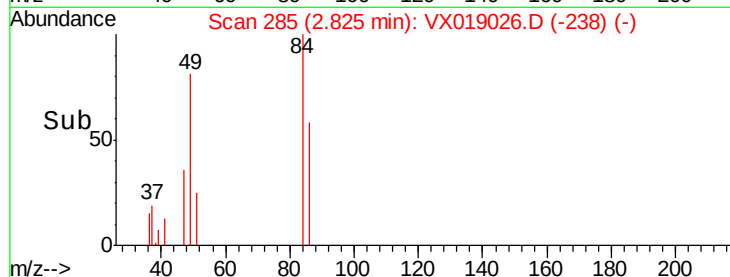
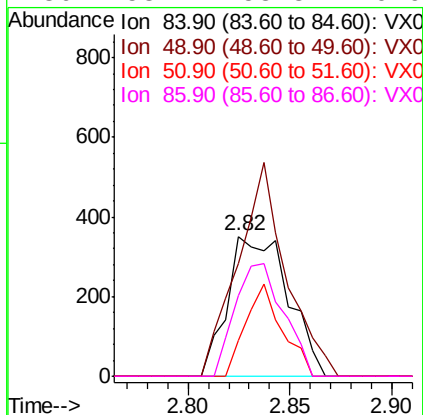
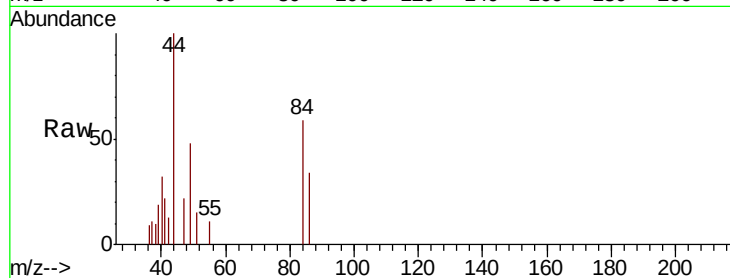




#20
Methvlene Chloride
Concen: 0.232 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX019026.D
Acq: 22 Oct 2020 14:52

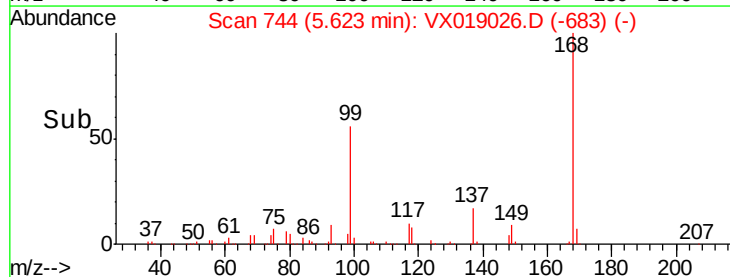
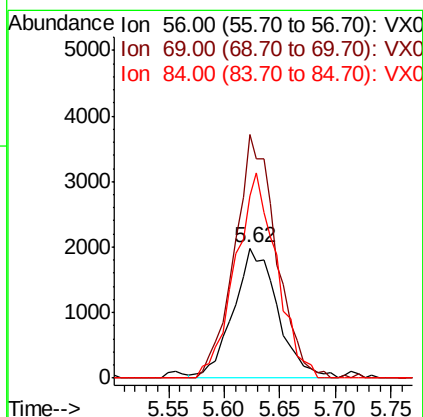
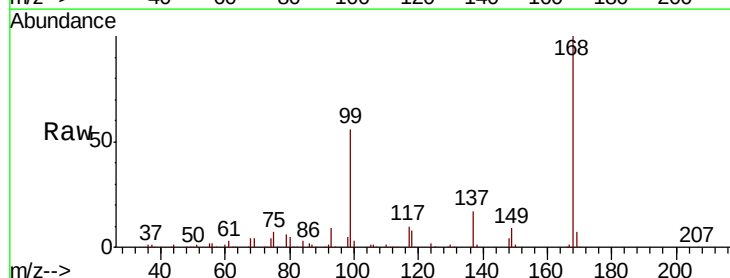
Instrument :
MSVOA_X
ClientSampleId :
MW-9

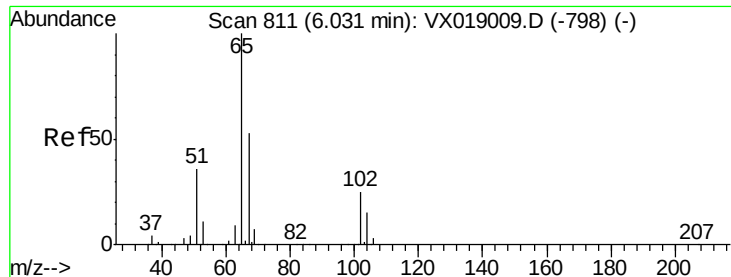
Tot Ion:	84	Resp:	724
Ion	Ratio	Lower	Upper
84	100		
49	80.6	81.6	122.4#
51	25.4	25.6	38.4#
86	58.1	53.3	79.9



#31
Cyclohexane
Concen: 1.416 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX019026.D
Acq: 22 Oct 2020 14:52

Tgt Ion:	56	Resp:	5468
Ion	Ratio	Lower	Upper
56	100		
69	187.5	26.2	39.2#
84	140.5	78.3	117.5#

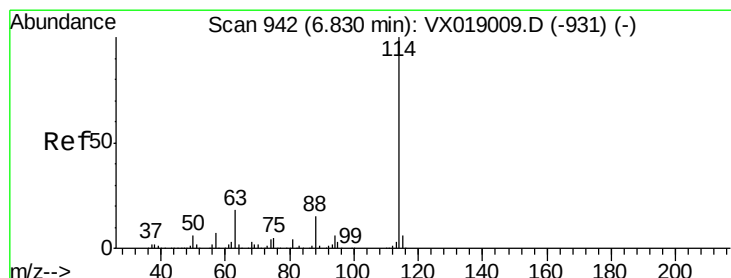
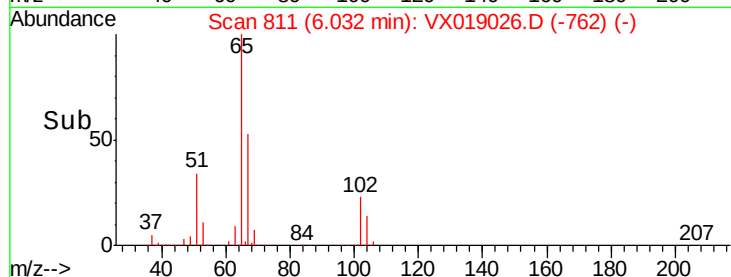
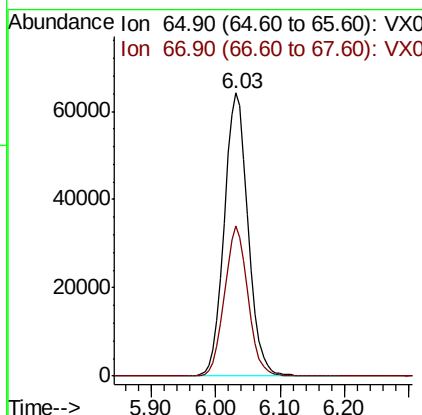
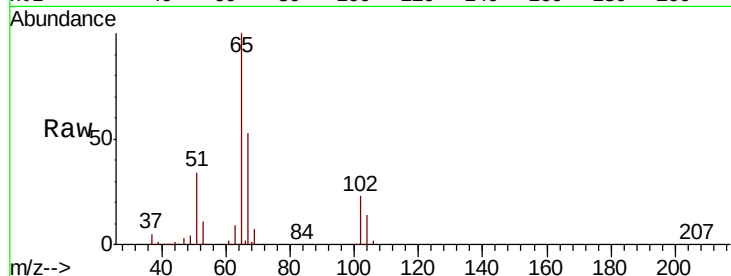




#33
 1,2-Dichloroethane-d4
 Concen: 50.841 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019026.D
 Acq: 22 Oct 2020 14:52

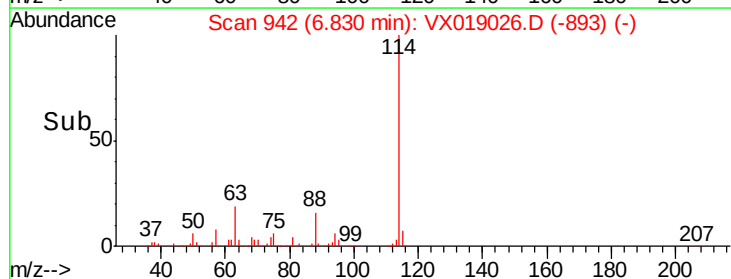
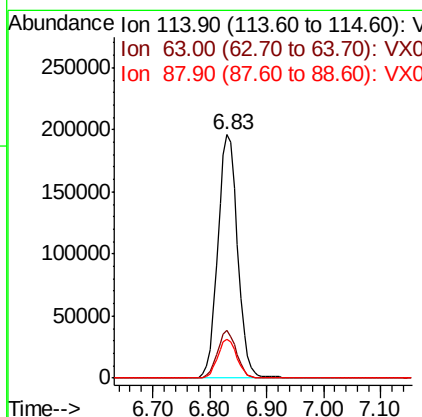
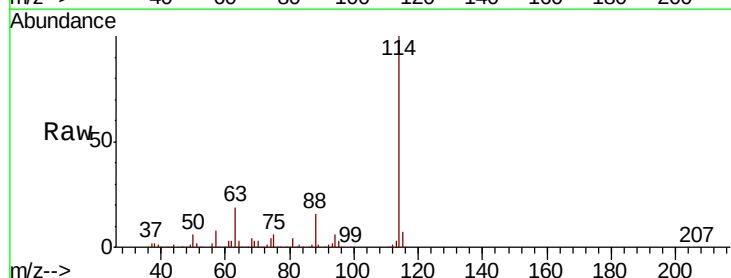
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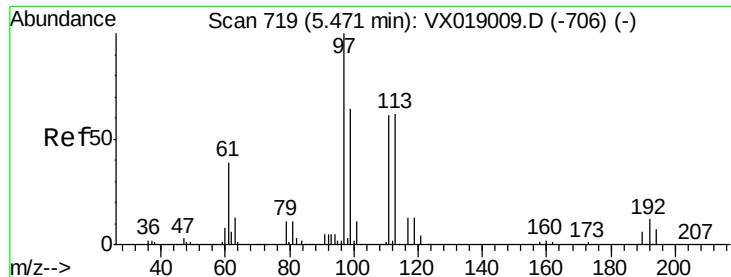
Tot Ion: 65 Resp: 167644
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019026.D
 Acq: 22 Oct 2020 14:52

Tgt Ion: 114 Resp: 472207
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 36.8
 88 15.8 0.0 30.2

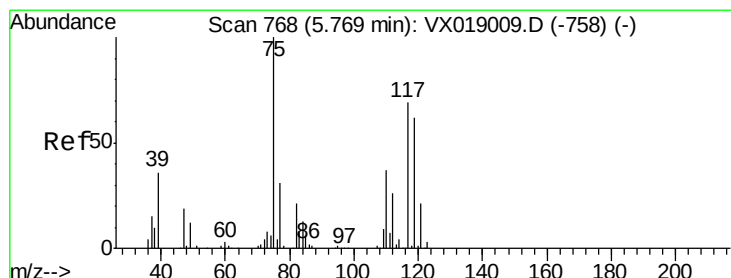
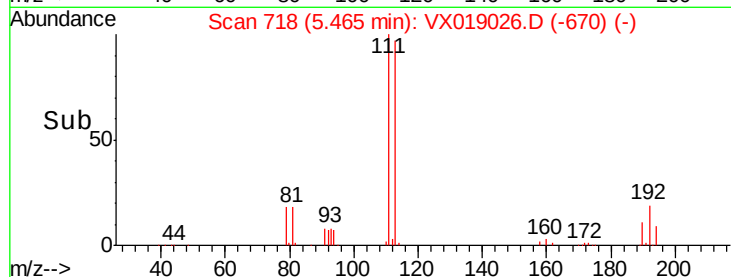
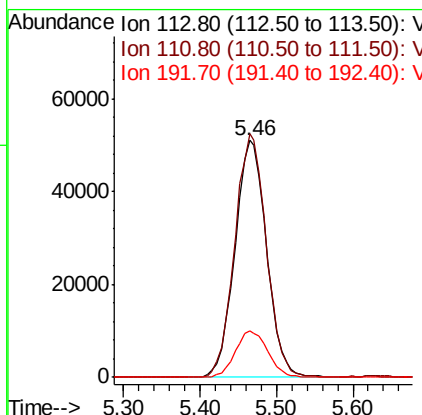
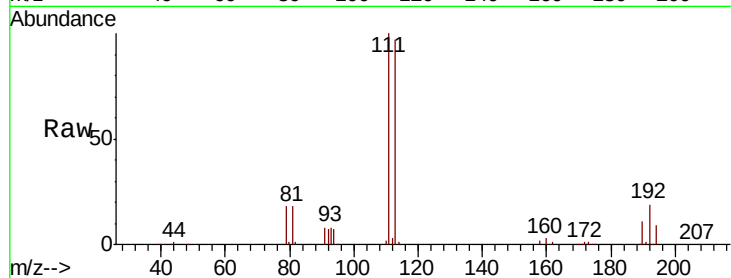




#35
 Dibromofluoromethane
 Concen: 49.104 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX019026.D
 Acq: 22 Oct 2020 14:52

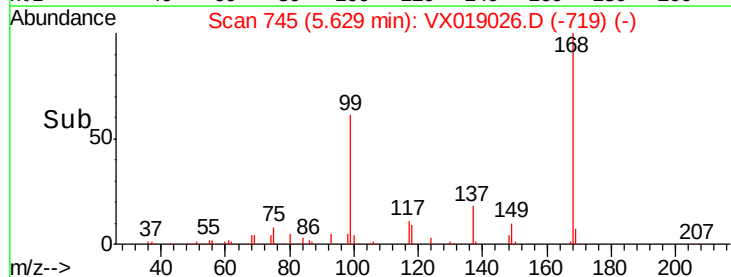
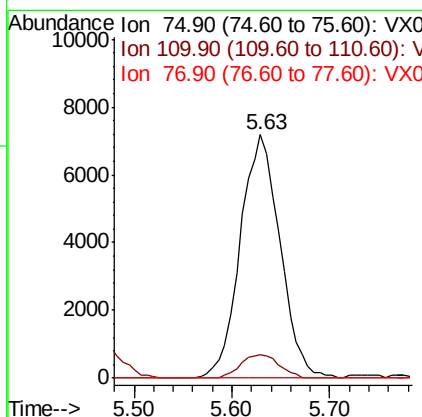
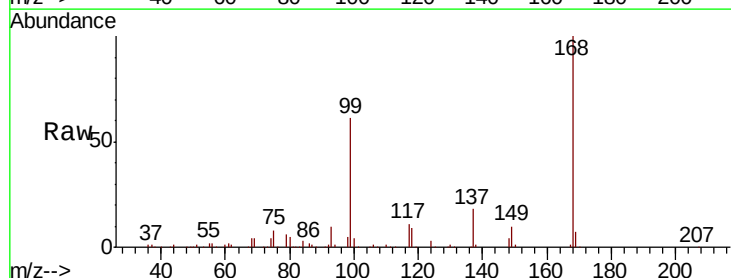
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

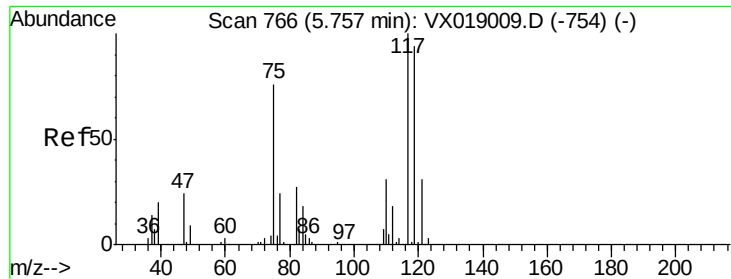
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.5	122.3
192	20.1	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019026.D
 Acq: 22 Oct 2020 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.4	58.2#
77	0.0	25.2	37.8#

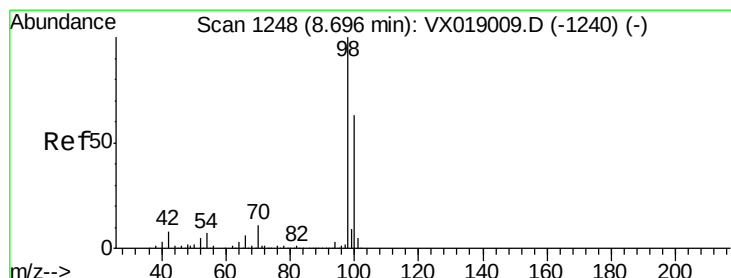
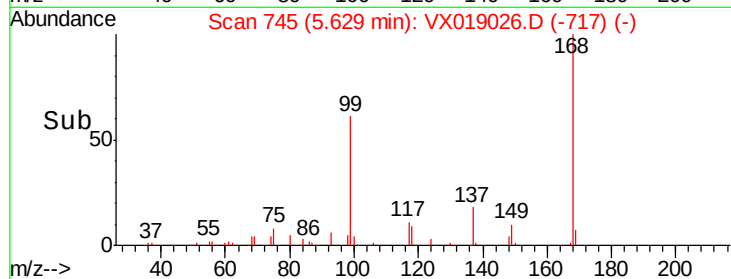
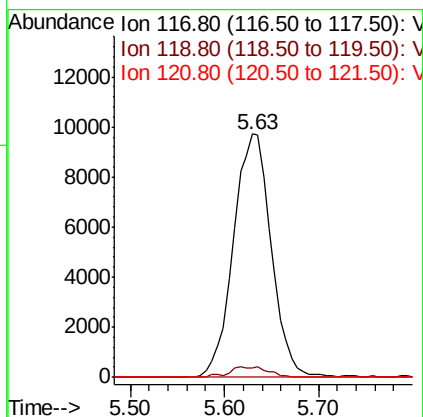
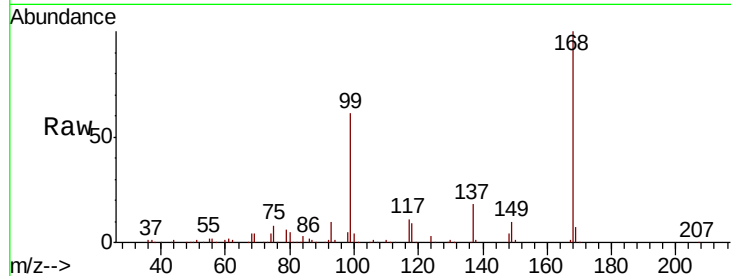




#38
Carbon Tetrachloride
Concen: 6.114 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019026.D
Acq: 22 Oct 2020 14:52

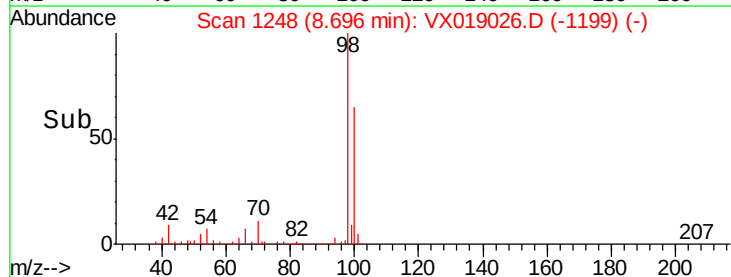
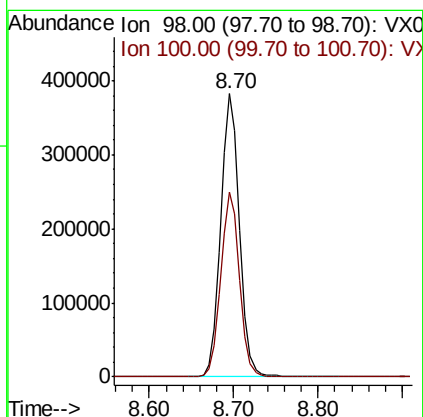
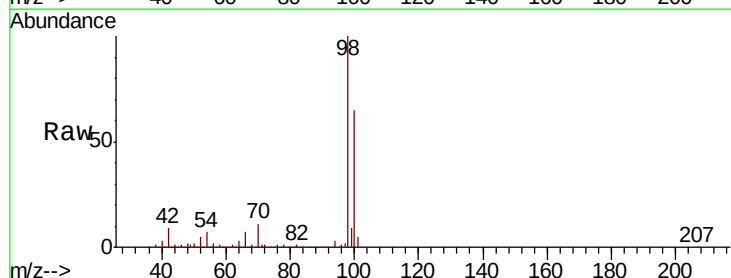
Instrument :
MSVOA_X
ClientSampleId :
MW-9

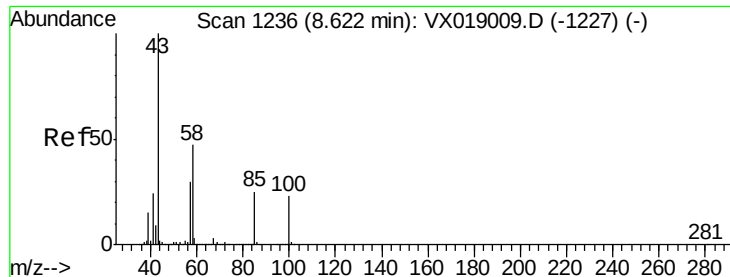
Tot Ion:117 Resp: 27192
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.0#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.564 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019026.D
Acq: 22 Oct 2020 14:52

Tgt Ion: 98 Resp: 588279
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.603 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX019026.D

Acq: 22 Oct 2020 14:52

Instrument :

MSVOA_X

ClientSampled :

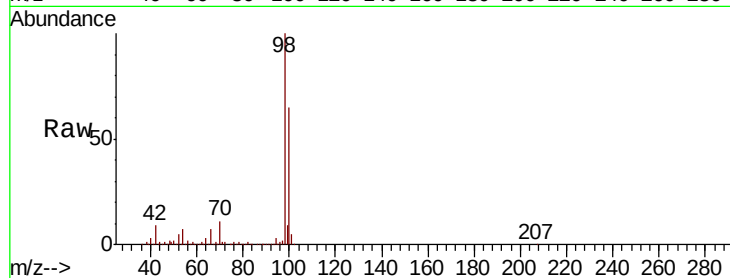
MW-9

Tot Ion: 43 Resp: 2175

Ion Ratio Lower Upper

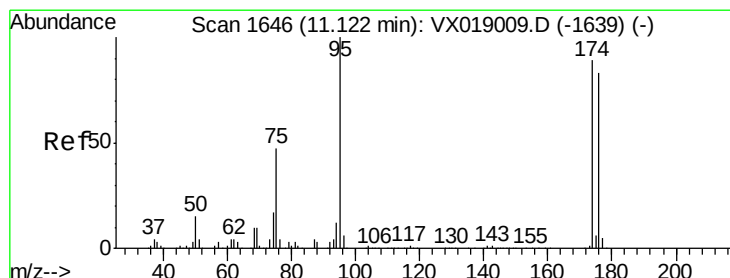
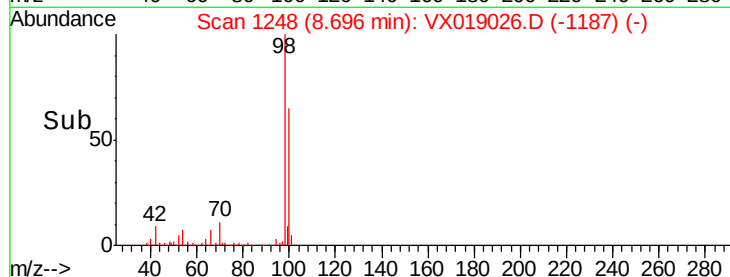
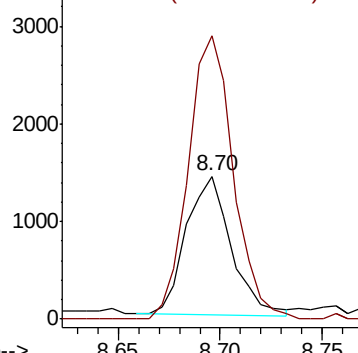
43 100

58 204.6 37.4 56.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.137 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019026.D

Acq: 22 Oct 2020 14:52

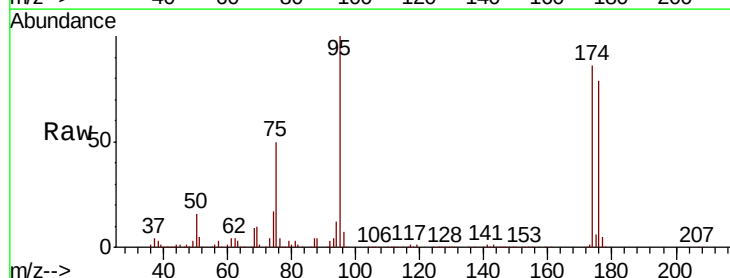
Tgt Ion: 95 Resp: 219697

Ion Ratio Lower Upper

95 100

174 82.7 0.0 167.6

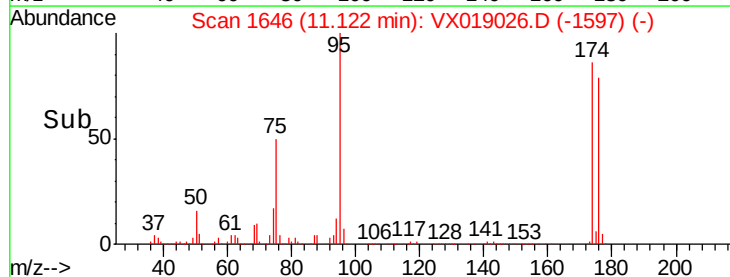
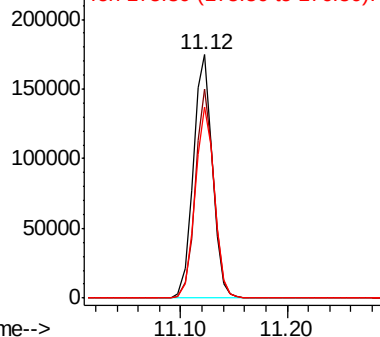
176 79.3 0.0 165.2

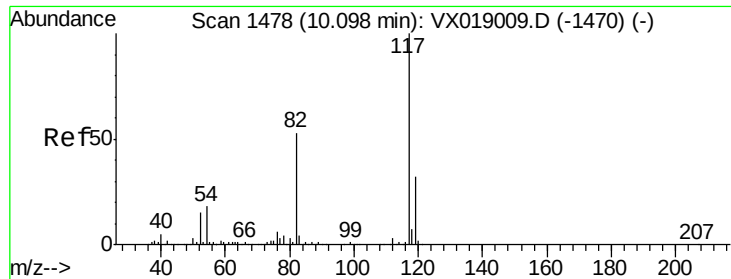


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

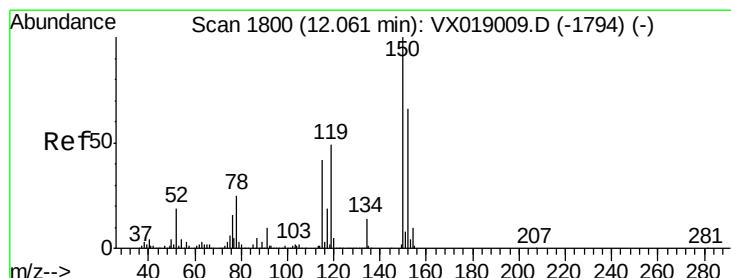
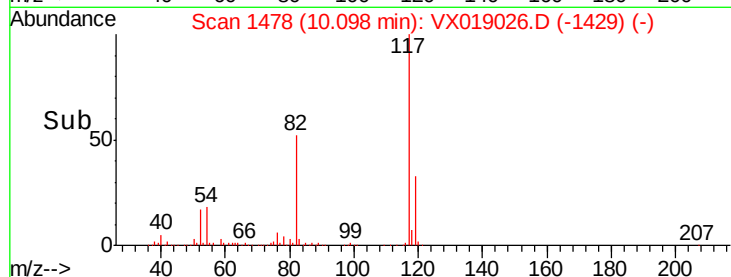
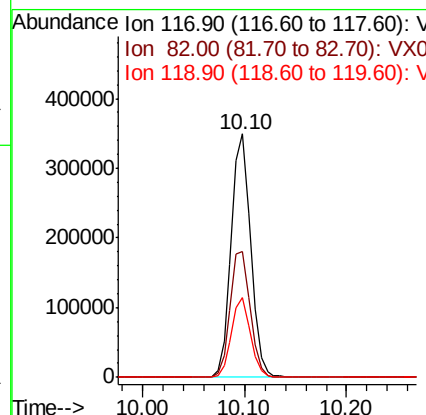
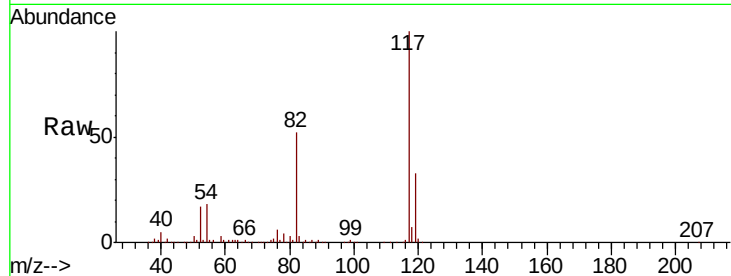




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019026.D
Acq: 22 Oct 2020 14:52

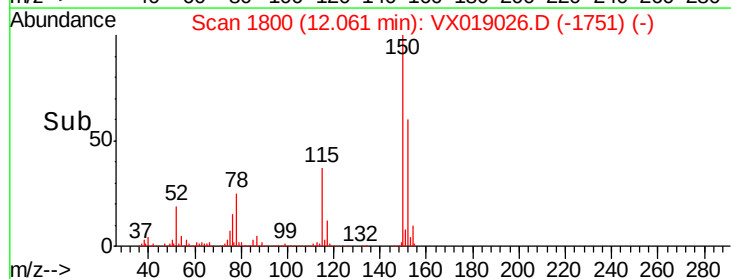
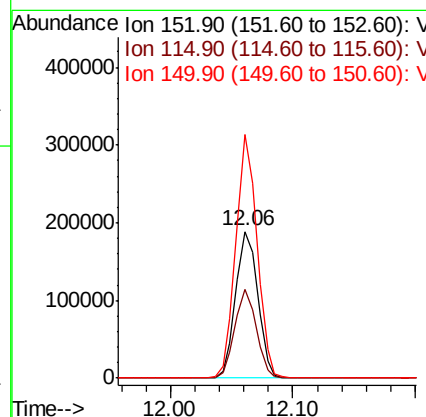
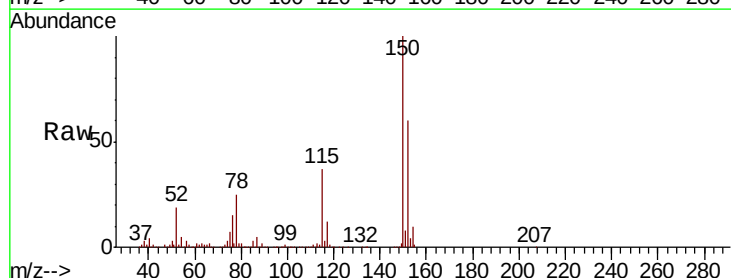
Instrument :
MSVOA_X
ClientSampleId :
MW-9

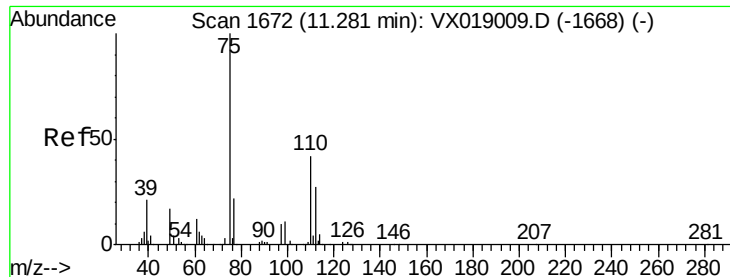
Tot Ion:117 Resp: 463671
Ion Ratio Lower Upper
117 100
82 51.5 42.4 63.6
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019026.D
Acq: 22 Oct 2020 14:52

Tgt Ion:152 Resp: 235339
Ion Ratio Lower Upper
152 100
115 59.0 40.8 122.5
150 159.1 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 23.273 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019026.D

Acq: 22 Oct 2020 14:52

Instrument :

MSVOA_X

ClientSampled :

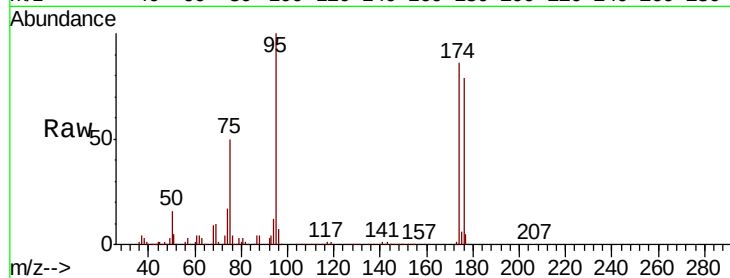
MW-9

Tot Ion: 75 Resp: 109471

Ion Ratio Lower Upper

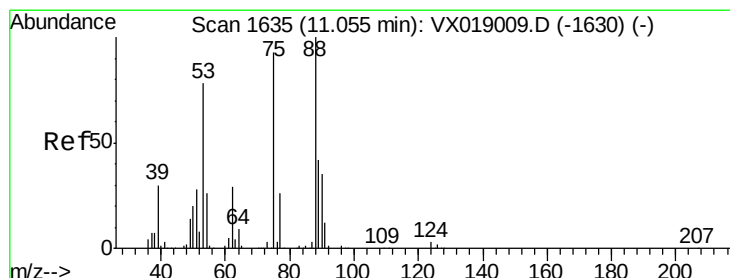
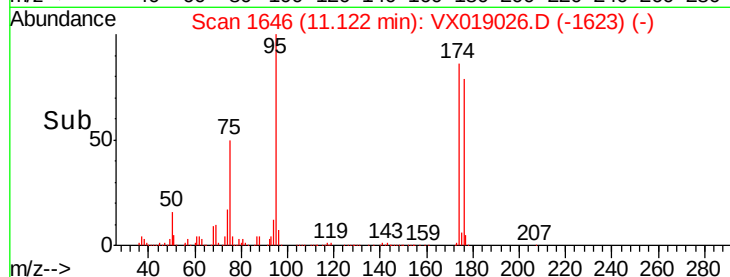
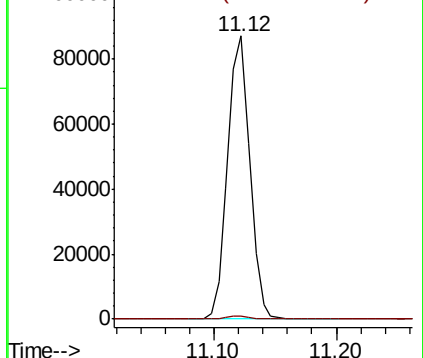
75 100

77 1.1 20.7 62.1#



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: 59.295 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019026.D

Acq: 22 Oct 2020 14:52

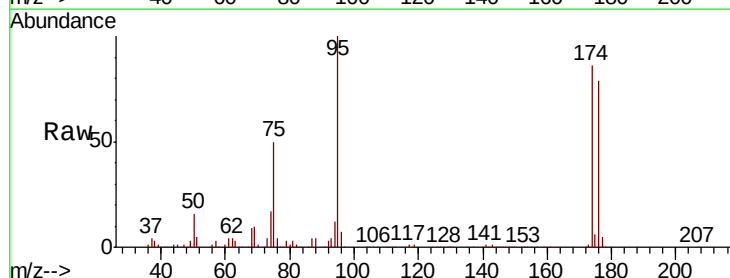
Tgt Ion: 75 Resp: 109471

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#



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

