

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019240.D
 Acq On : 03 Nov 2020 18:10
 Operator : JC/MD
 Sample : PB132785ZHE#07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132785ZHE#07

Quant Time: Nov 04 02:24:02 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	5.63	168	323946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	556375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	548664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	284264	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	213048	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	5.46	113	168629	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	8.70	98	710884	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	
62) 4-Bromofluorobenzene	11.12	95	274261	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	

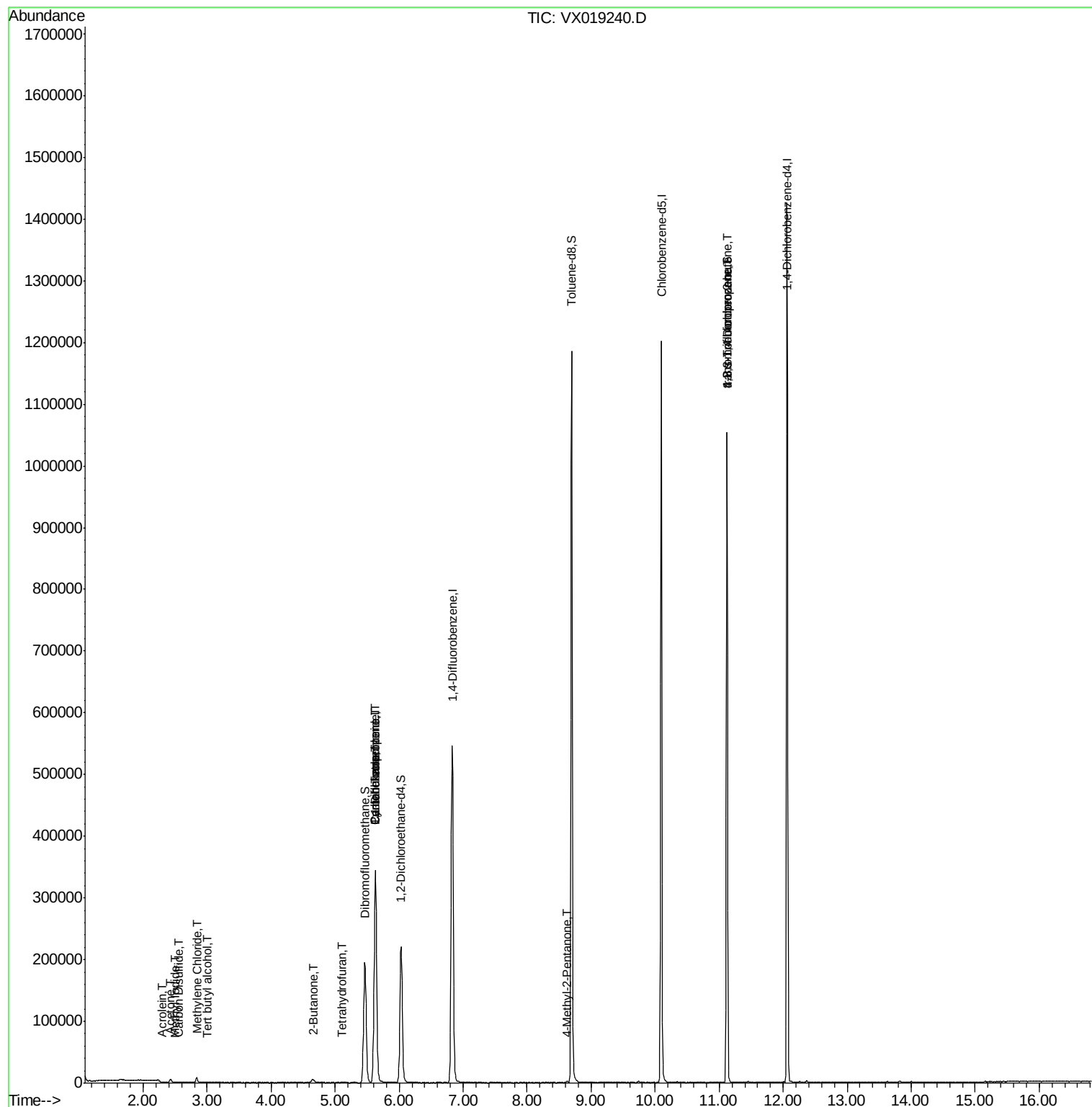
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	425	6.482	ug/l #	80
11) Tert butyl alcohol	3.01	59	751	0.910	ug/l #	80
13) Acrolein	2.31	56	21	5.704	ug/l #	1
16) Acetone	2.42	43	5852	4.060	ug/l	96
17) Carbon Disulfide	2.55	76	1026	0.873	ug/l	98
20) Methylene Chloride	2.84	84	3617	1.000	ug/l	92
25) 2-Butanone	4.65	43	1678	0.739	ug/l	92
29) Tetrahydrofuran	5.12	42	1050	0.734	ug/l #	65
31) Cyclohexane	5.63	56	7165	1.357	ug/l #	7
36) 1,1-Dichloropropene	5.63	75	26290	5.117	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32864	6.276	ug/l #	17
51) 4-Methyl-2-Pentanone	8.62	43	1576	0.343	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	141780	24.156	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	141780	63.601	ug/l #	12

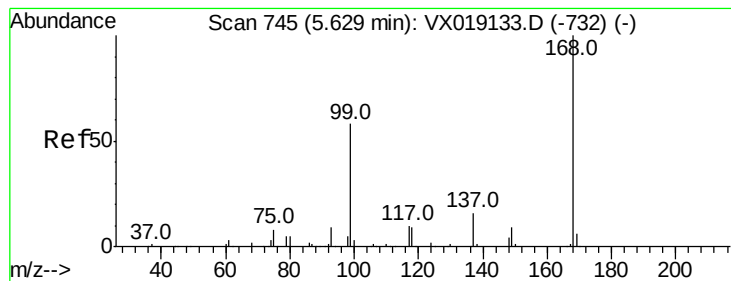
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019240.D

Acq: 03 Nov 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

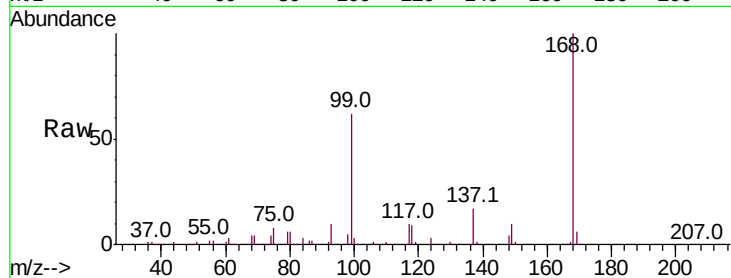
PB132785ZHE#07

Tot Ion:168 Resp: 323946

Ion Ratio Lower Upper

168 100

99 61.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

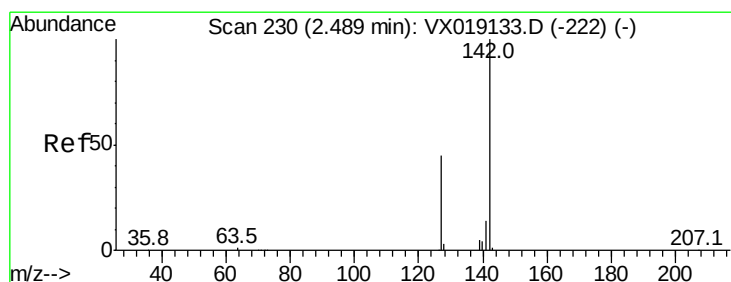
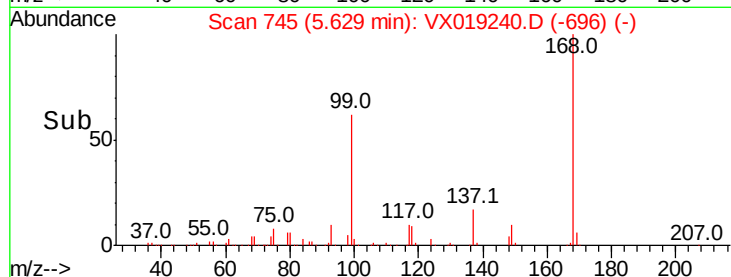
5.63

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 6.482 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019240.D

Acq: 03 Nov 2020 18:10

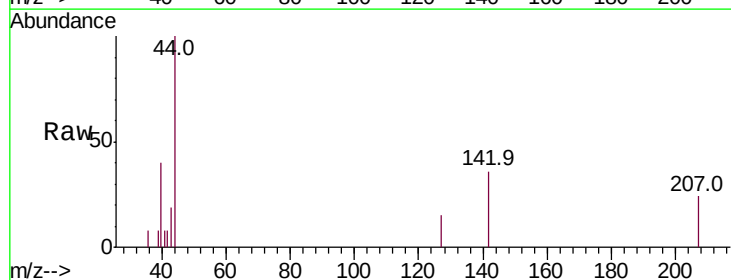
Tgt Ion:142 Resp: 425

Ion Ratio Lower Upper

142 100

127 34.8 36.1 54.1#

141 0.0 11.3 16.9#



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

2.50

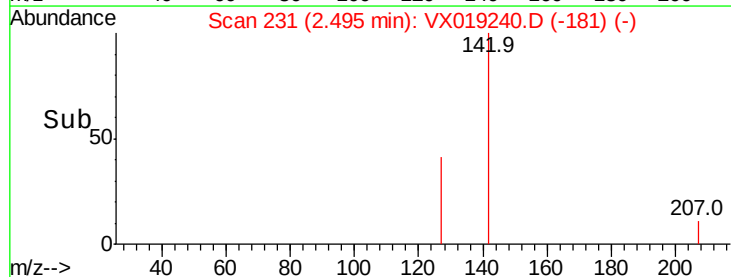
300

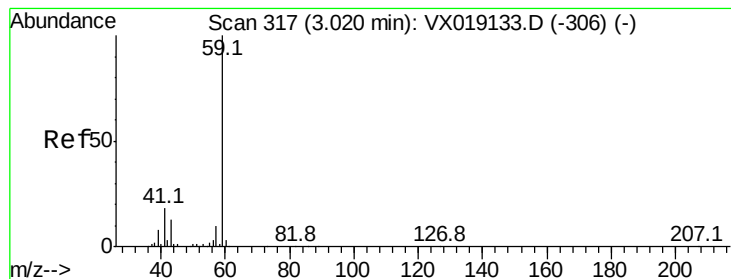
200

100

0

Time-->



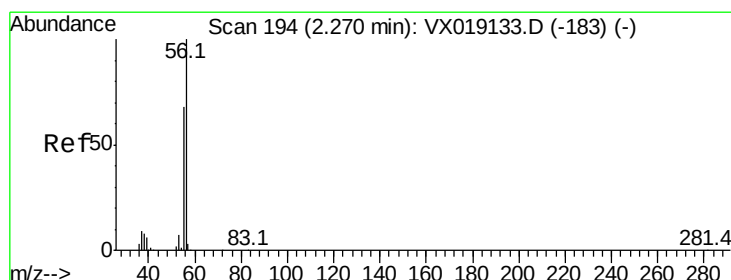
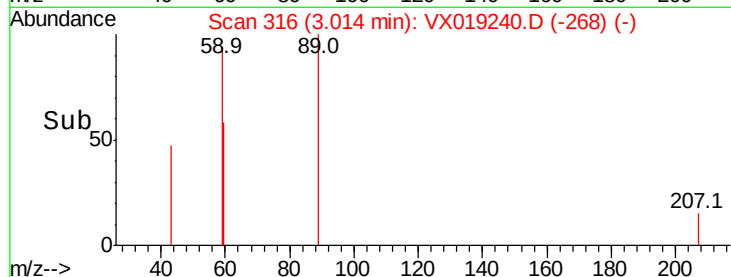
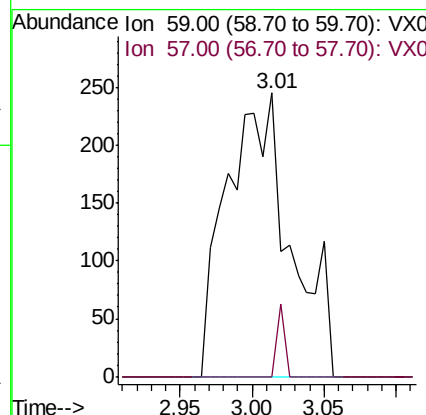
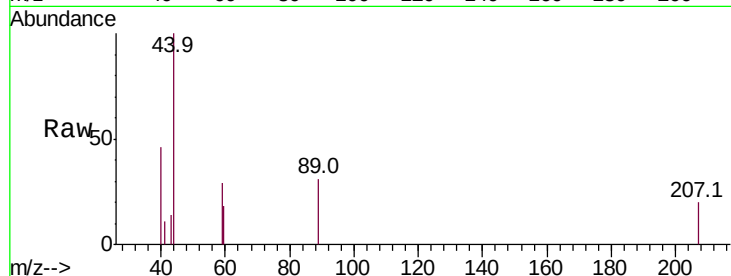


#11

Tert butyl alcohol
Concen: 0.910 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX019240.D
Acq: 03 Nov 2020 18:10

Instrument :
MSVOA_X
ClientSampleId :
PB132785ZHE#07

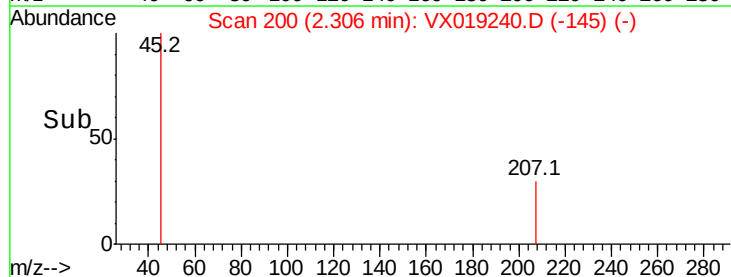
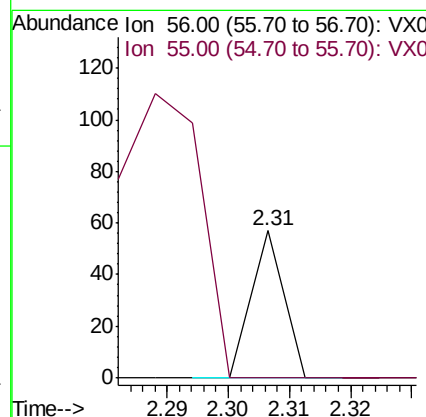
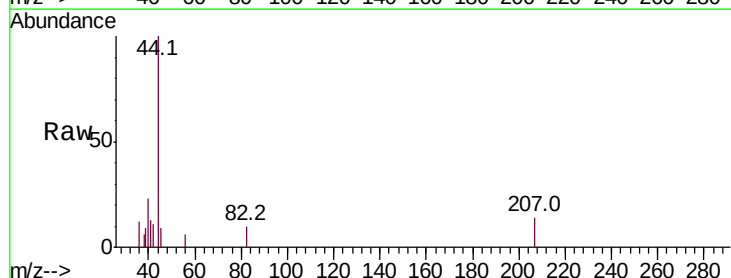
Tot Ion: 59 Resp: 751
Ion Ratio Lower Upper
59 100
57 3.1 8.4 12.6#

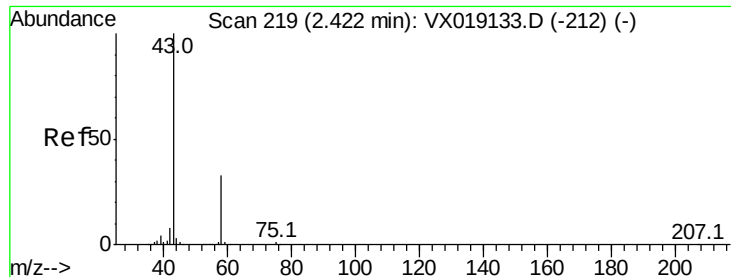


#13

Acrolein
Concen: 5.704 ug/l
RT: 2.31 min Scan# 200
Delta R.T. 0.04 min
Lab File: VX019240.D
Acq: 03 Nov 2020 18:10

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 500.0 54.7 82.1#





#16

Acetone

Concen: 4.060 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019240.D

Acq: 03 Nov 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

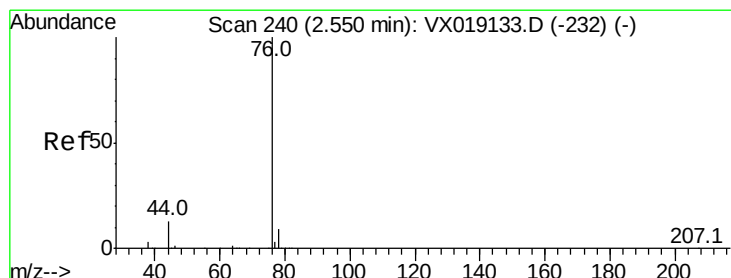
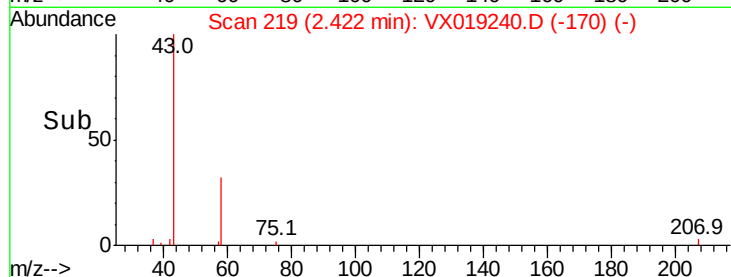
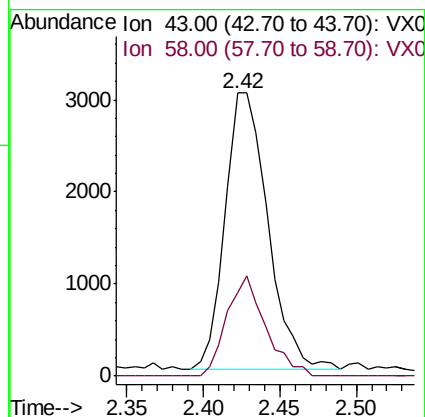
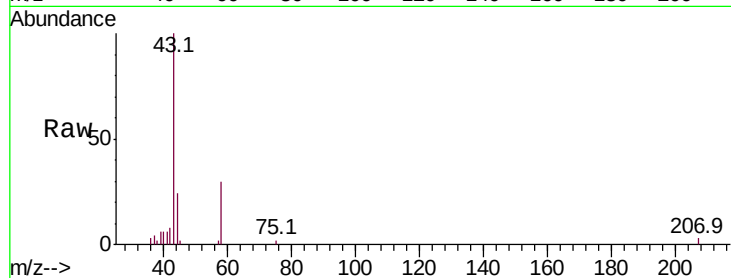
PB132785ZHE#07

Tot Ion: 43 Resp: 5852

Ion Ratio Lower Upper

43 100

58 30.5 26.3 39.5



#17

Carbon Disulfide

Concen: 0.873 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019240.D

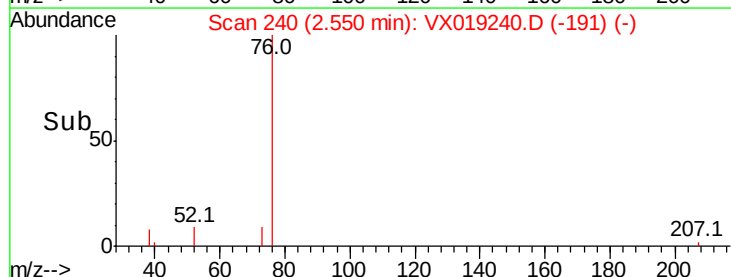
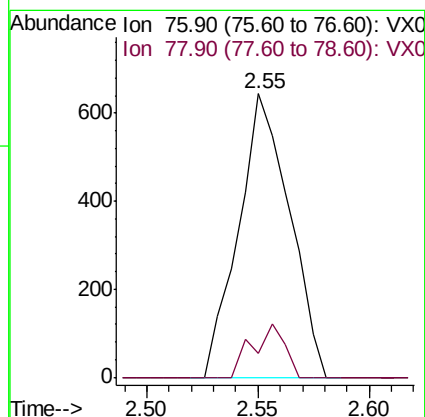
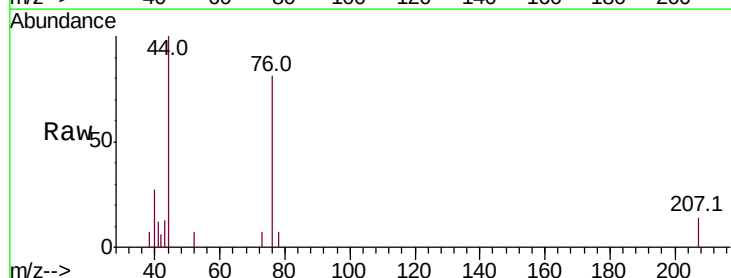
Acq: 03 Nov 2020 18:10

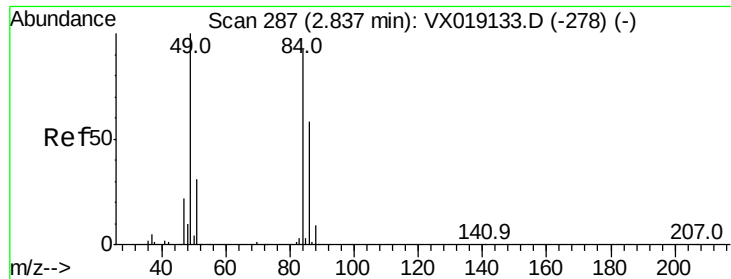
Tgt Ion: 76 Resp: 1026

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9





#20

Methvlene Chloride

Concen: 1.000 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019240.D

Acq: 03 Nov 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

PB132785ZHE#07

Tot Ion: 84 Resp: 3617

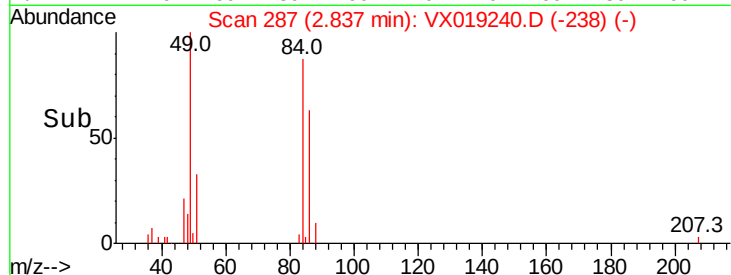
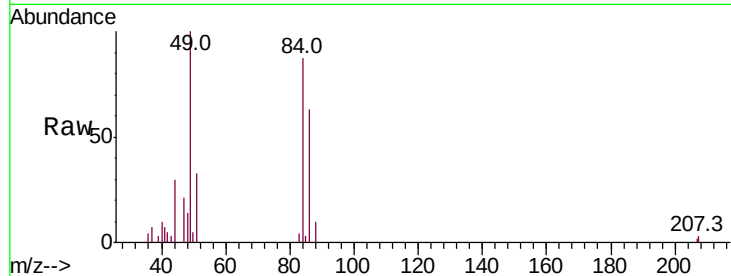
Ion Ratio Lower Upper

84 100

49 115.1 86.8 130.2

51 37.4 27.3 40.9

86 72.4 50.6 76.0

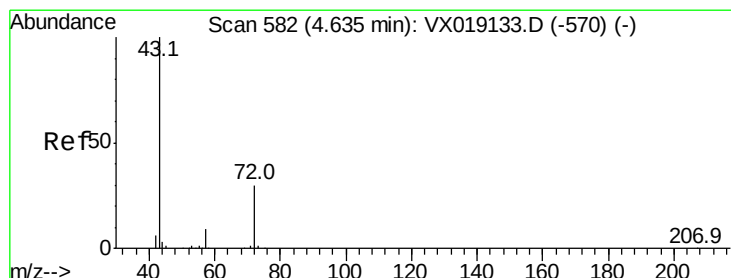
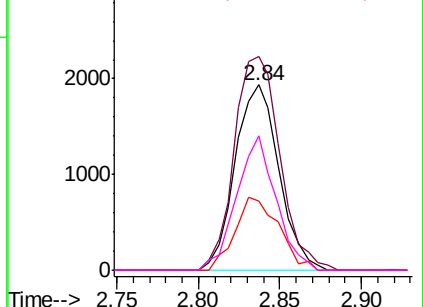


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.739 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX019240.D

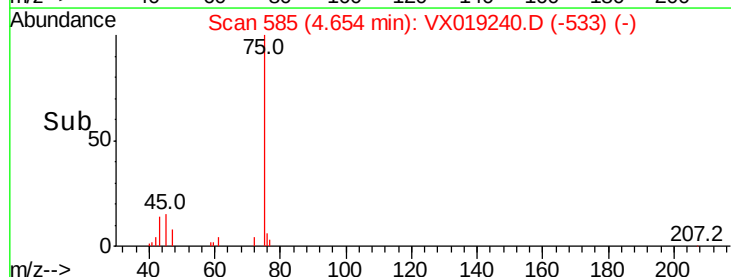
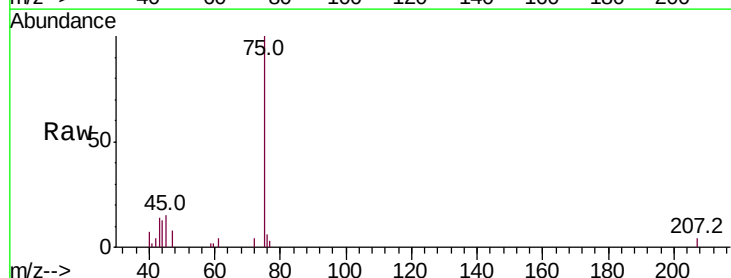
Acq: 03 Nov 2020 18:10

Tgt Ion: 43 Resp: 1678

Ion Ratio Lower Upper

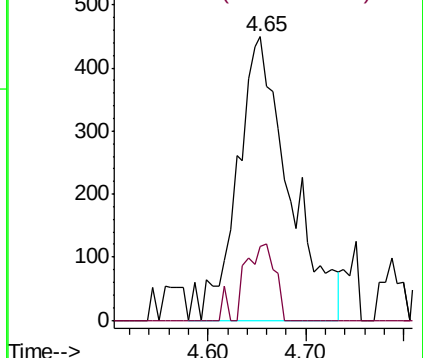
43 100

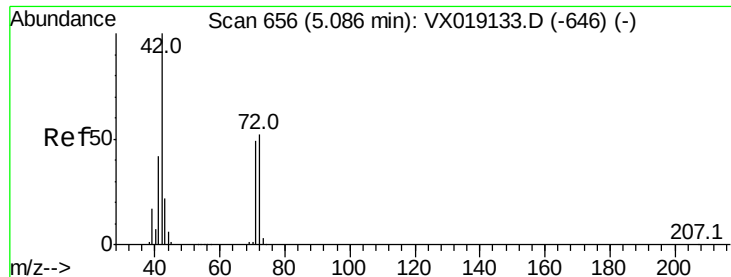
72 26.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

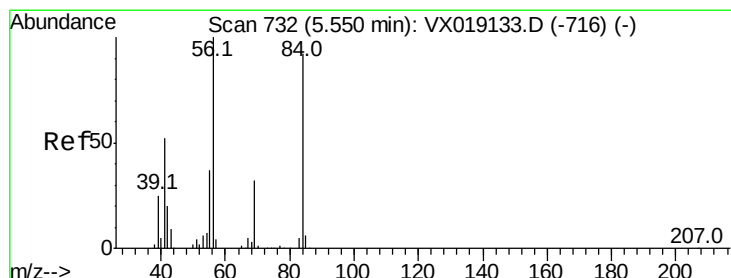
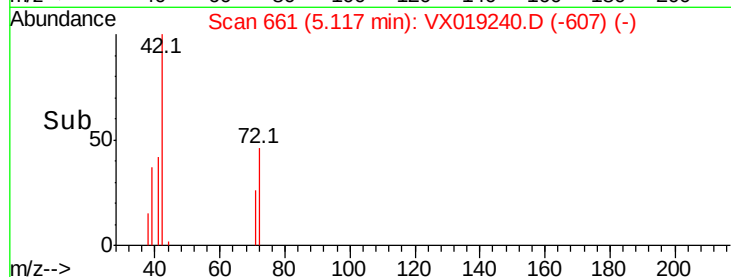
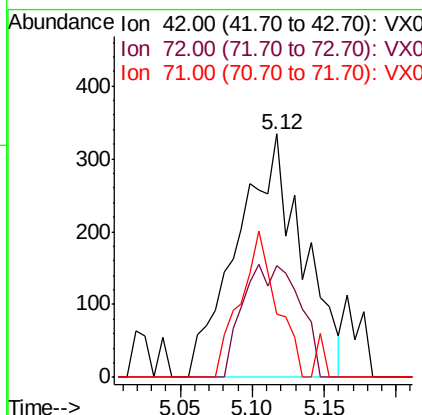
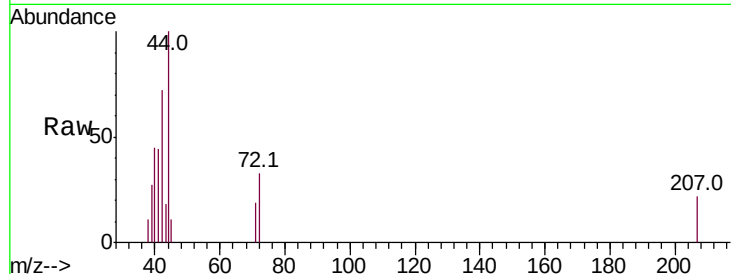




#29
Tetrahydrofuran
Concen: 0.734 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.03 min
Lab File: VX019240.D
Acq: 03 Nov 2020 18:10

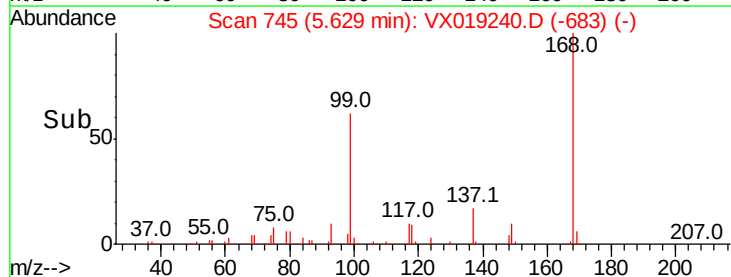
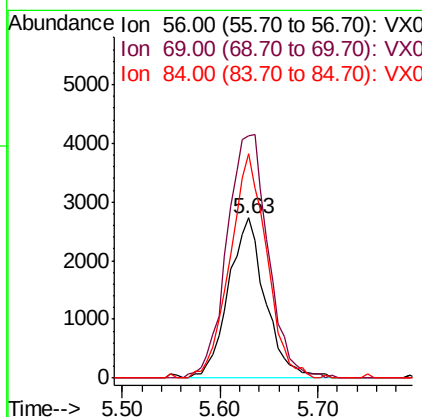
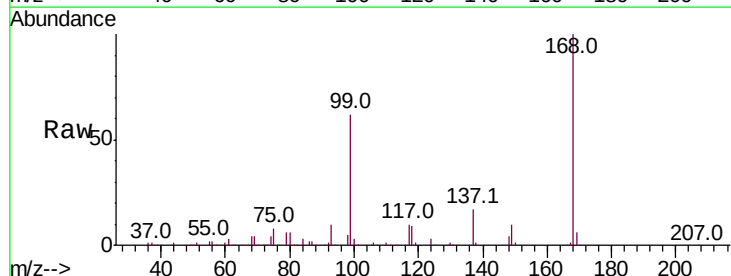
Instrument :
MSVOA_X
ClientSampleId :
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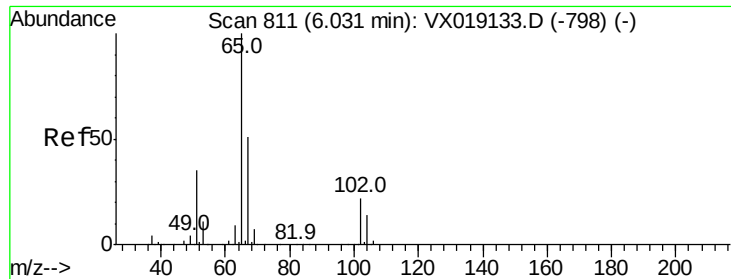
Tot Ion: 42 Resp: 1050
Ion Ratio Lower Upper
42 100
72 20.0 42.6 63.8#
71 33.6 39.7 59.5#



#31
Cyclohexane
Concen: 1.357 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019240.D
Acq: 03 Nov 2020 18:10

Tgt Ion: 56 Resp: 7165
Ion Ratio Lower Upper
56 100
69 151.5 25.9 38.9#
84 140.2 73.4 110.2#

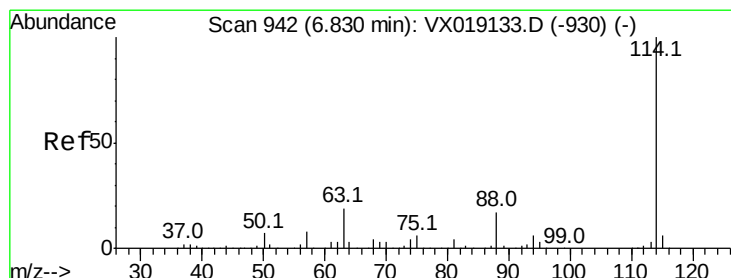
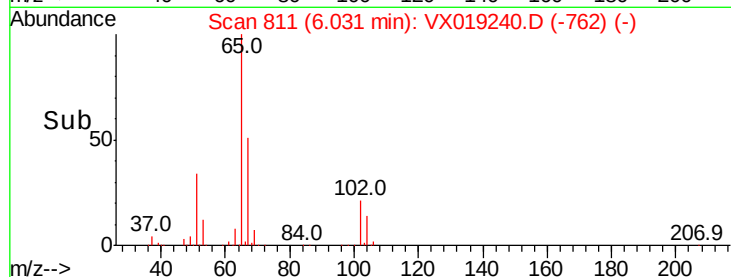
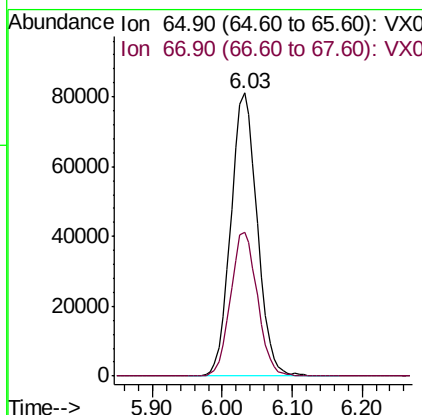
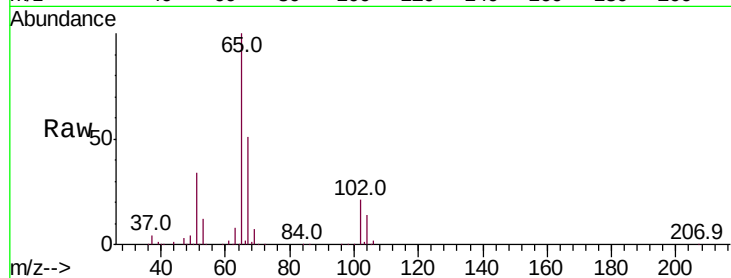




#33
 1,2-Dichloroethane-d4
 Concen: 50.997 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019240.D
 Acq: 03 Nov 2020 18:10

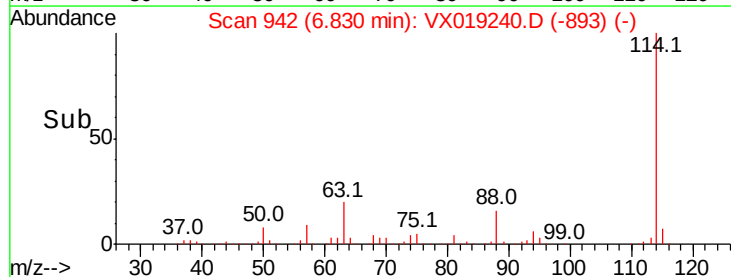
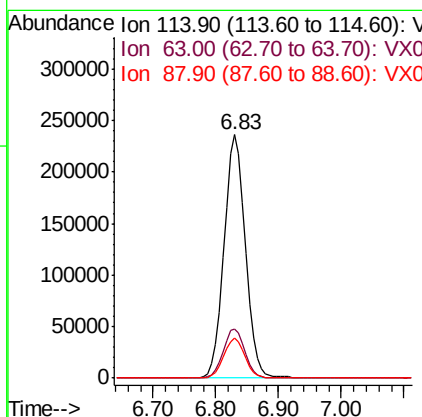
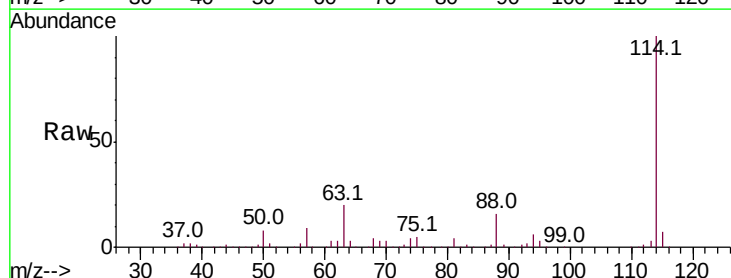
Instrument :
 MSVOA_X
 ClientSampleId :
 PB132785ZHE#07

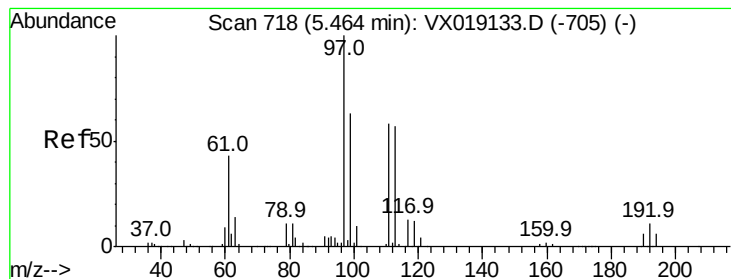
Tot Ion: 65 Resp: 213048
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019240.D
 Acq: 03 Nov 2020 18:10

Tgt Ion: 114 Resp: 556375
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.8
 88 16.3 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.252 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019240.D

Acq: 03 Nov 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

PB132785ZHE#07

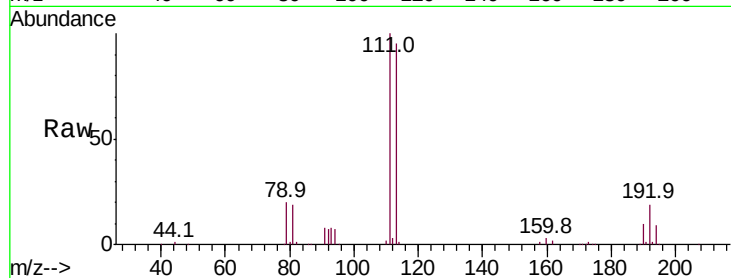
Tot Ion:113 Resp: 168629

Ion Ratio Lower Upper

113 100

111 104.0 82.3 123.5

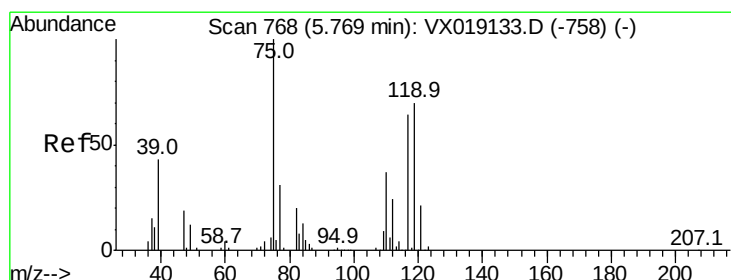
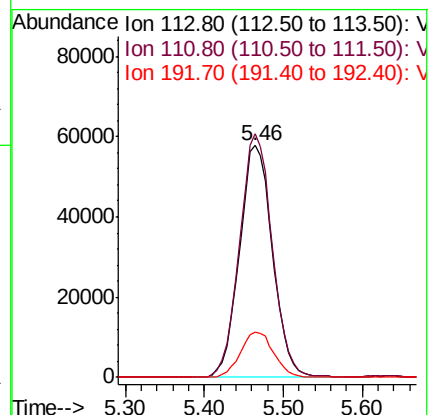
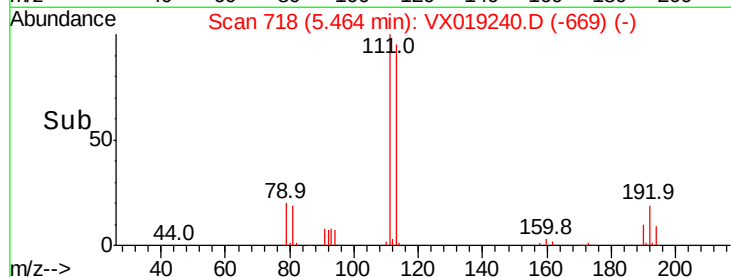
192 19.7 16.2 24.2



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: 5.117 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019240.D

Acq: 03 Nov 2020 18:10

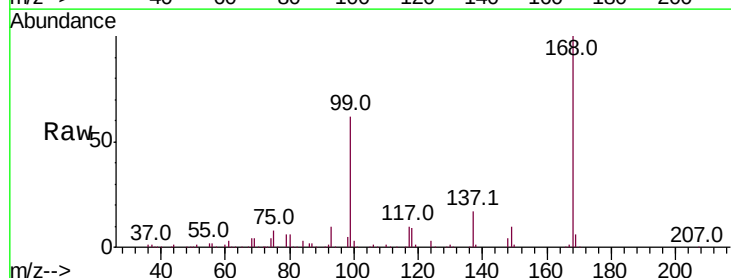
Tgt Ion: 75 Resp: 26290

Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.9#

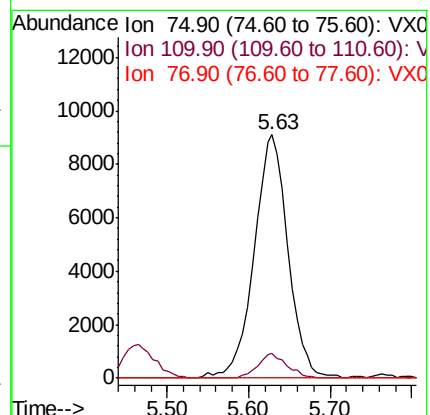
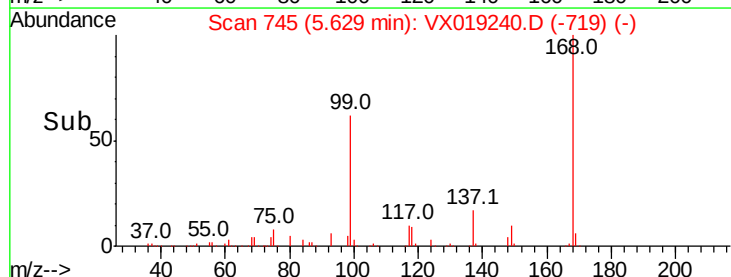
77 0.0 24.9 37.3#

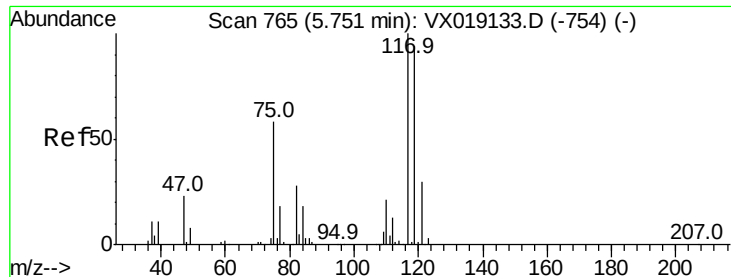


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.276 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019240.D

Acq: 03 Nov 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

PB132785ZHE#07

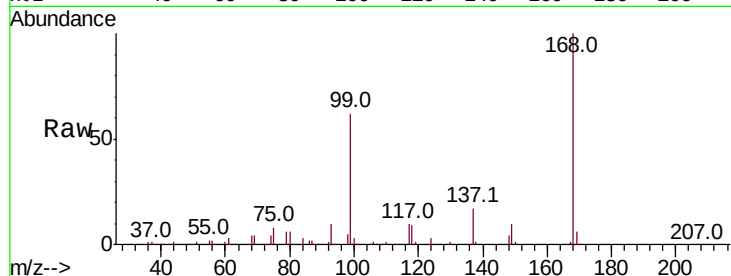
Tot Ion:117 Resp: 32864

Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

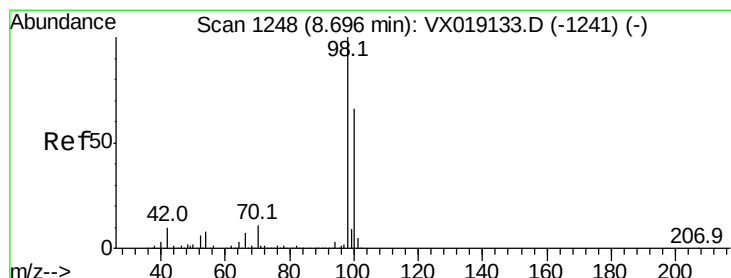
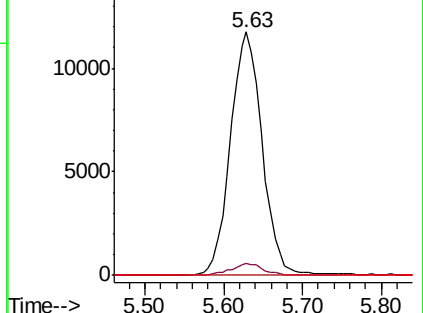
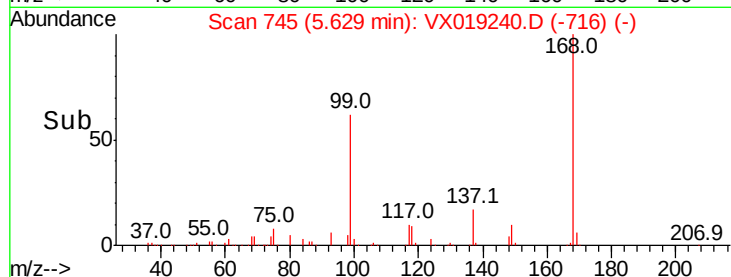
121 0.0 23.9 35.9#



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: 53.960 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019240.D

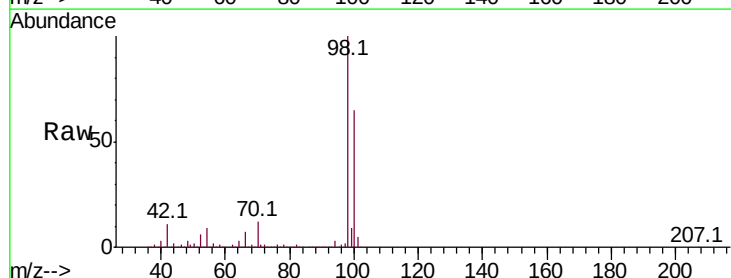
Acq: 03 Nov 2020 18:10

Tgt Ion: 98 Resp: 710884

Ion Ratio Lower Upper

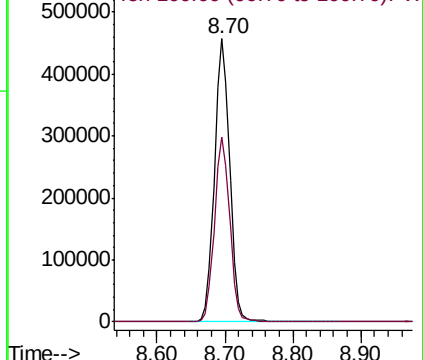
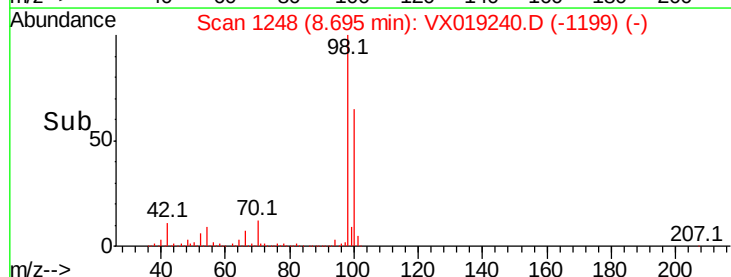
98 100

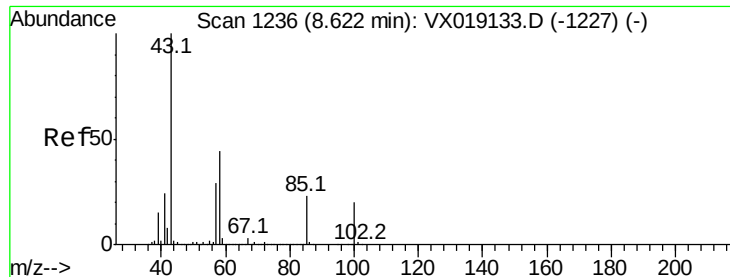
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

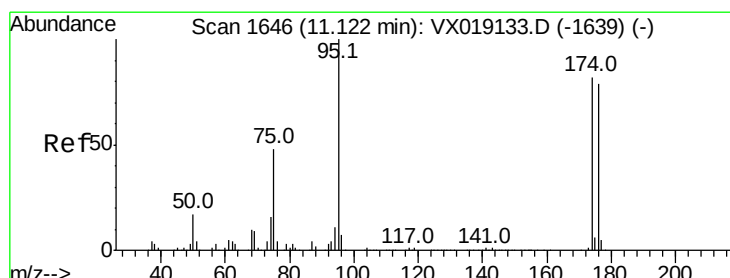
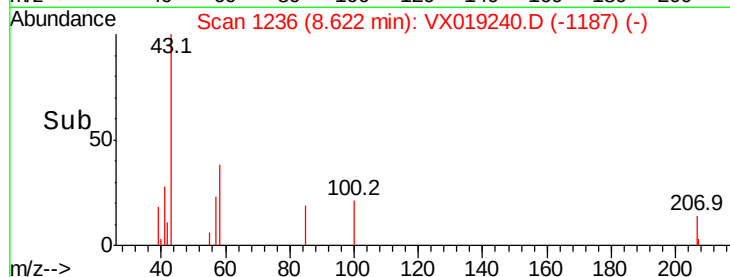
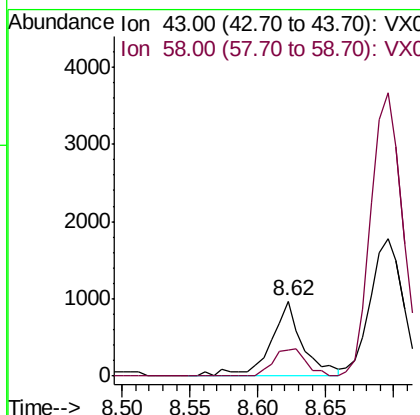
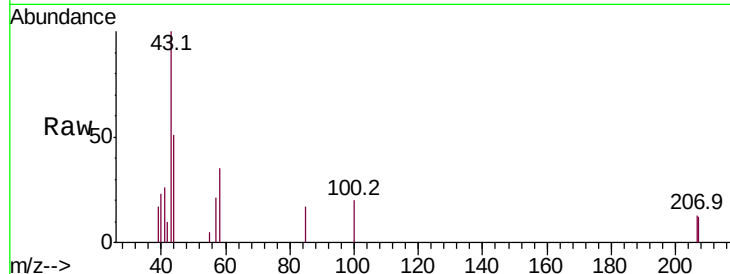




#51
4-Methyl-2-Pentanone
Concen: 0.343 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019240.D
Acq: 03 Nov 2020 18:10

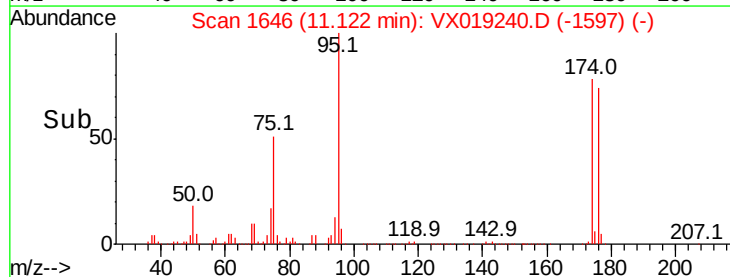
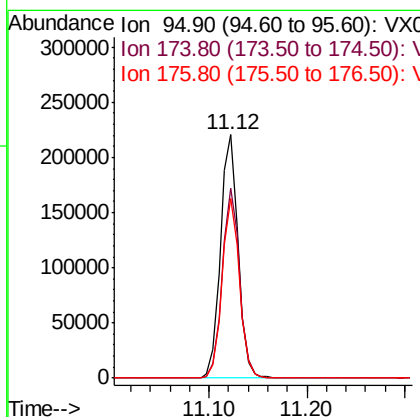
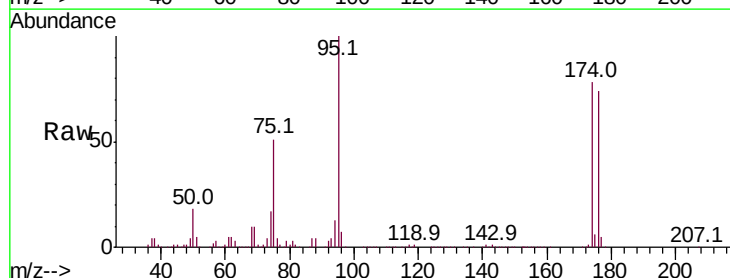
Instrument :
MSVOA_X
ClientSampleId :
PB132785ZHE#07

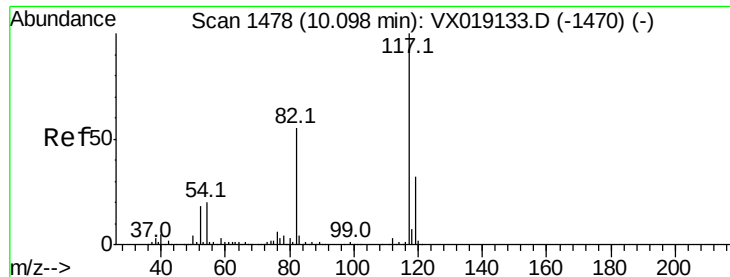
Tot Ion: 43 Resp: 1576
Ion Ratio Lower Upper
43 100
58 37.5 35.0 52.4



#62
4-Bromofluorobenzene
Concen: 54.972 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019240.D
Acq: 03 Nov 2020 18:10

Tgt Ion: 95 Resp: 274261
Ion Ratio Lower Upper
95 100
174 77.0 0.0 156.0
176 72.9 0.0 149.8

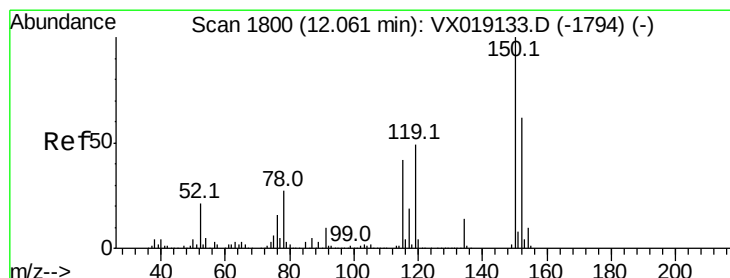
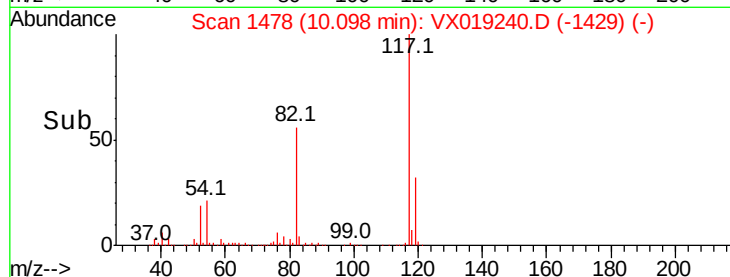
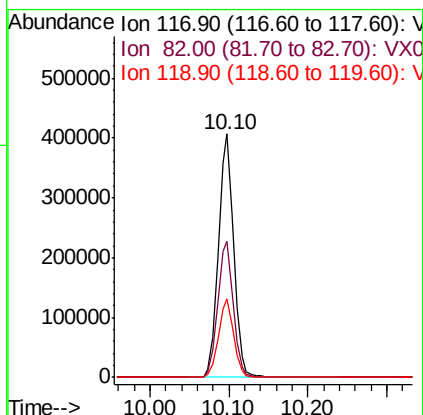
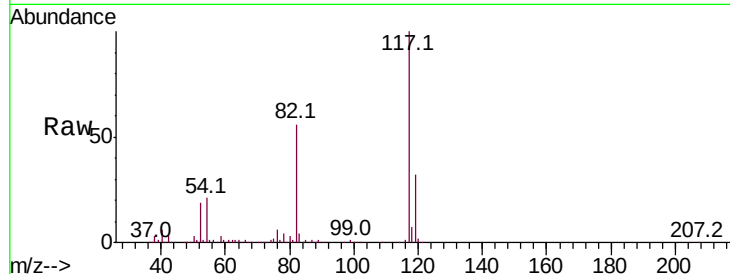




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019240.D
Acq: 03 Nov 2020 18:10

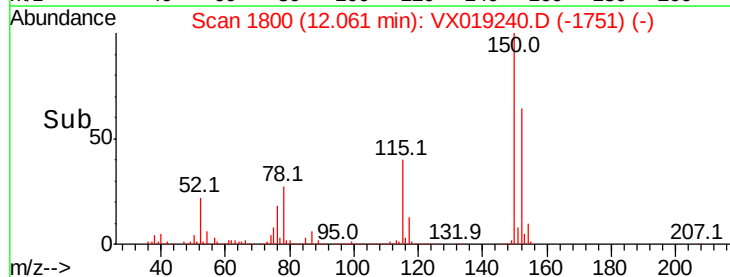
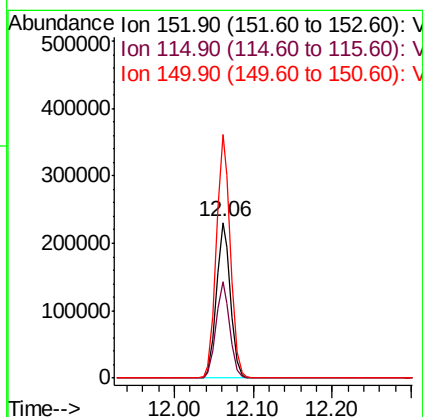
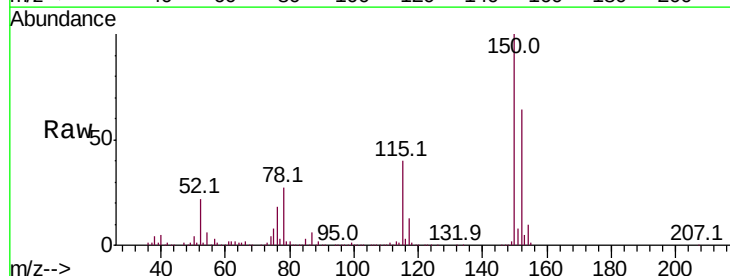
Instrument :
MSVOA_X
ClientSampleId :
PB132785ZHE#07

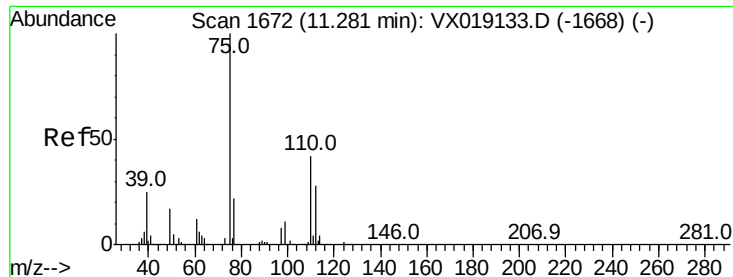
Tot Ion:117 Resp: 548664
Ion Ratio Lower Upper
117 100
82 55.7 43.6 65.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019240.D
Acq: 03 Nov 2020 18:10

Tgt Ion:152 Resp: 284264
Ion Ratio Lower Upper
152 100
115 60.7 41.9 125.7
150 156.9 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 24.156 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019240.D

Acq: 03 Nov 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

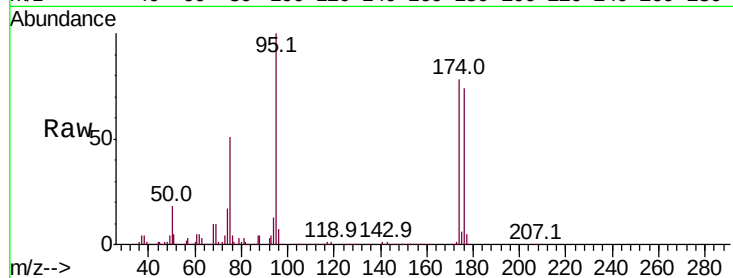
PB132785ZHE#07

Tot Ion: 75 Resp: 141780

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

120000

100000

80000

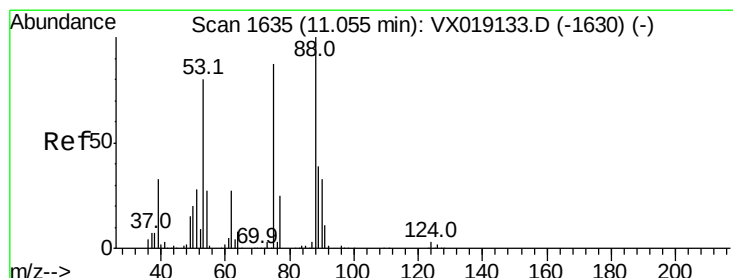
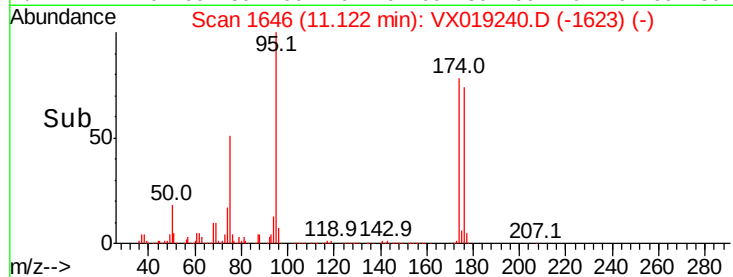
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.601 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019240.D

Acq: 03 Nov 2020 18:10

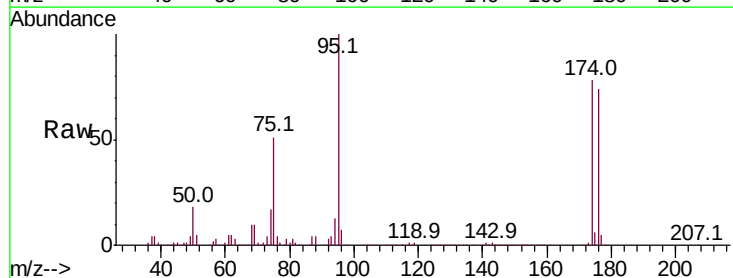
Tgt Ion: 75 Resp: 141780

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

150000

100000

50000

0

Time-->

