

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082720\
 Data File : VX018099.D
 Acq On : 27 Aug 2020 18:13
 Operator : JC/SP
 Sample : L3820-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-618-620

Quant Time: Aug 28 03:04:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	600490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	992487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	932397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	430775	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	403561	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	5.47	113	327281	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	8.70	98	1210874	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.12	95	444016	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	

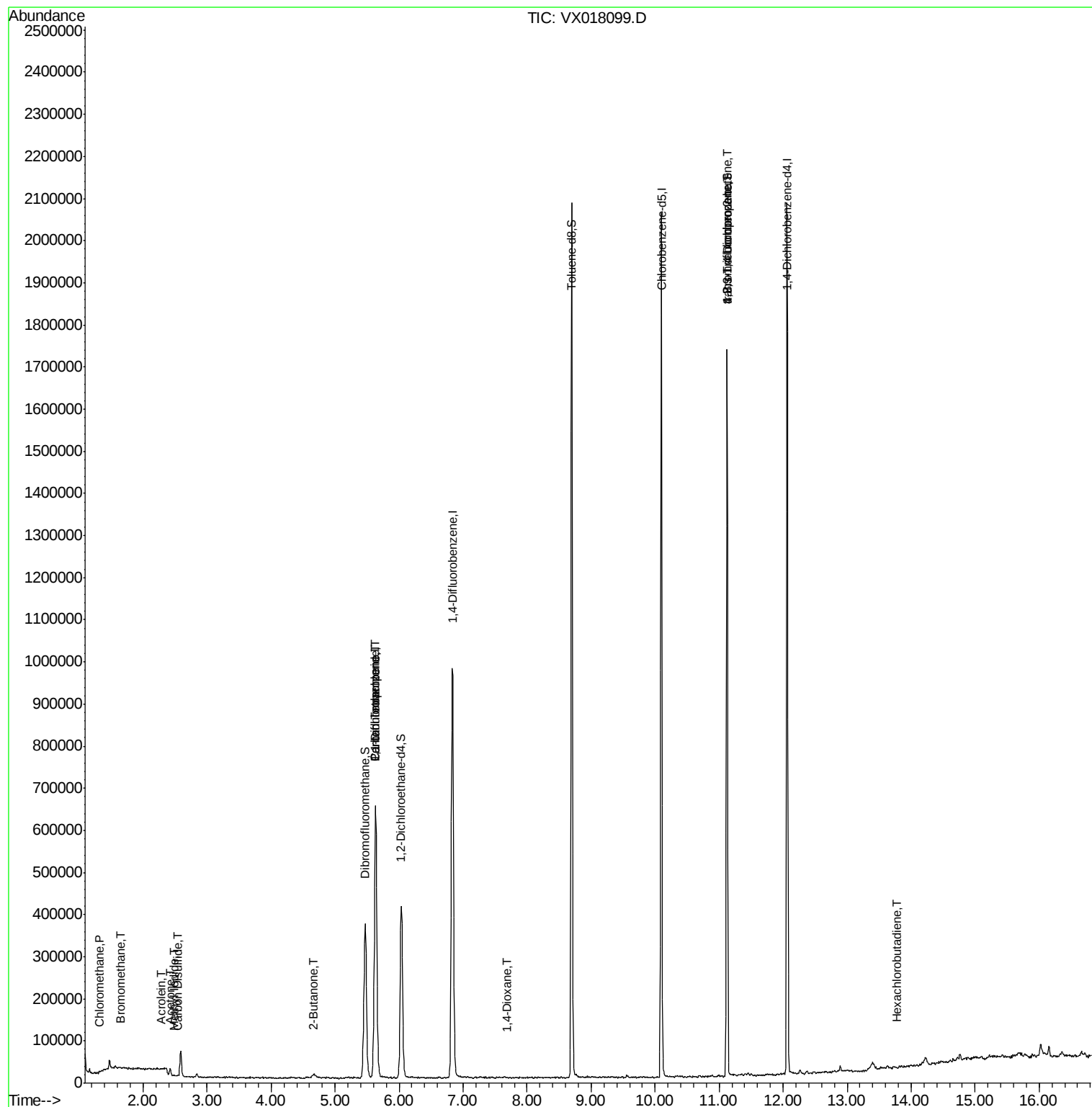
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2936	0.381	ug/l	92
5) Bromomethane	1.64	94	1489	0.402	ug/l #	43
10) Methyl Iodide	2.50	142	717	5.393	ug/l #	57
13) Acrolein	2.28	56	200	0.298	ug/l #	14
16) Acetone	2.42	43	16011	4.929	ug/l	89
17) Carbon Disulfide	2.55	76	4001	0.226	ug/l #	85
20) Methylene Chloride	2.84	84	3428	Below Cal	#	76
25) 2-Butanone	4.66	43	2496	0.468	ug/l #	81
36) 1,1-Dichloropropene	5.63	75	45776	5.001	ug/l #	41
38) Carbon Tetrachloride	5.63	117	63343	6.140	ug/l #	18
49) 1,4-Dioxane	7.70	88	102	0.659	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	223759	23.350	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	223759	63.065	ug/l #	12
94) Hexachlorobutadiene	13.77	225	690	0.202	ug/l	81

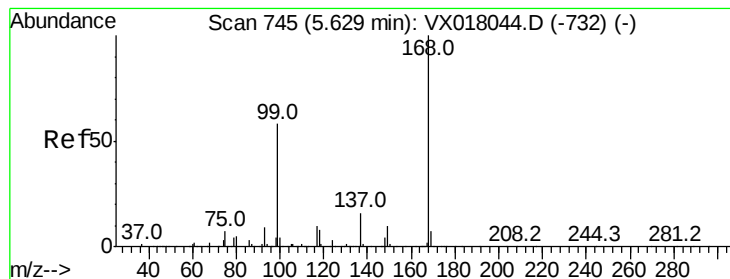
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

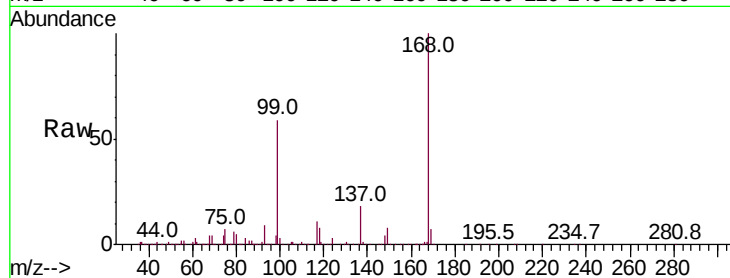
BP-VPB181-GW-618-620

Tot Ion:168 Resp: 600490

Ion Ratio Lower Upper

168 100

99 58.9 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

250000

200000

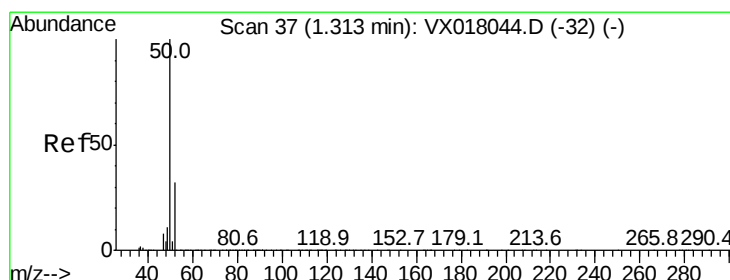
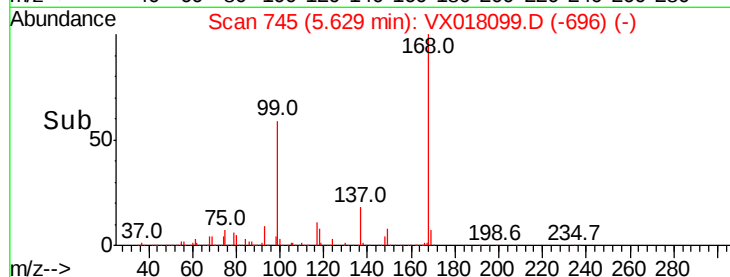
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.381 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018099.D

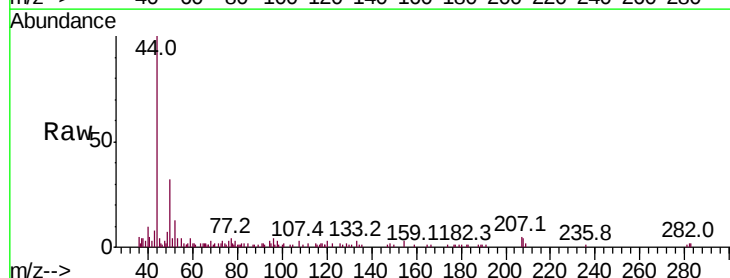
Acq: 27 Aug 2020 18:13

Tgt Ion: 50 Resp: 2936

Ion Ratio Lower Upper

50 100

52 27.4 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

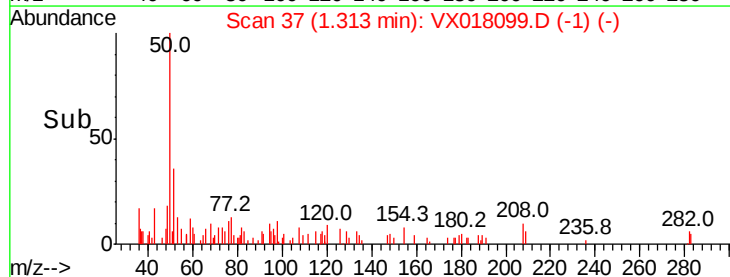
1500

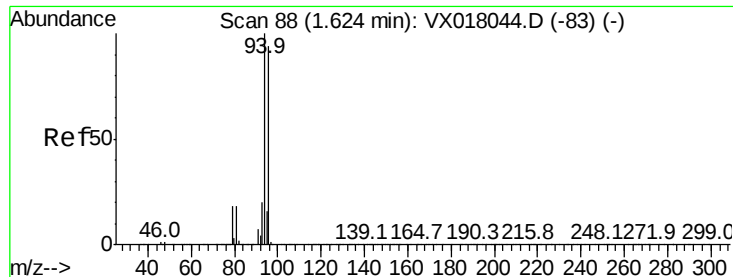
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.402 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

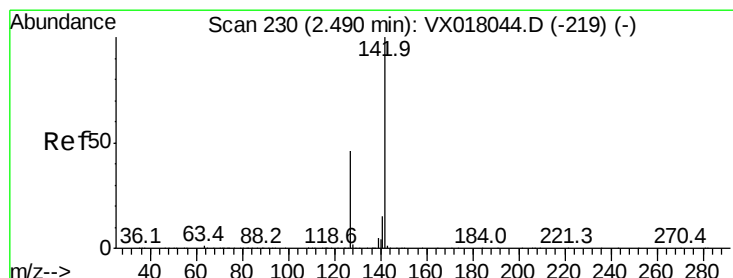
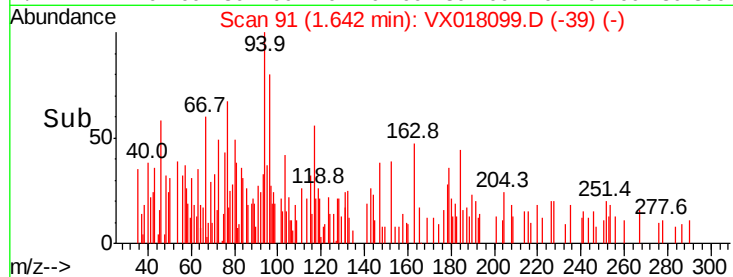
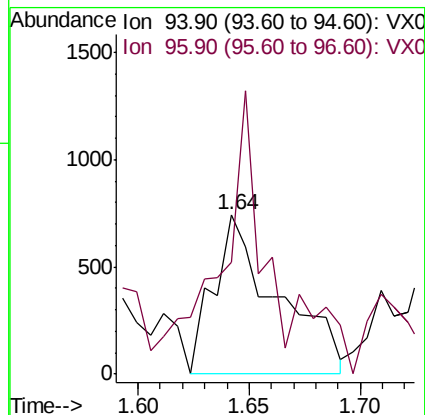
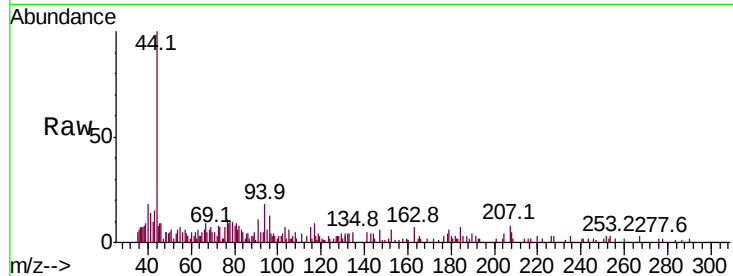
BP-VPB181-GW-618-620

Tot Ion: 94 Resp: 1489

Ion Ratio Lower Upper

94 100

96 38.9 74.8 112.2#



#10

Methyl Iodide

Concen: 5.393 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

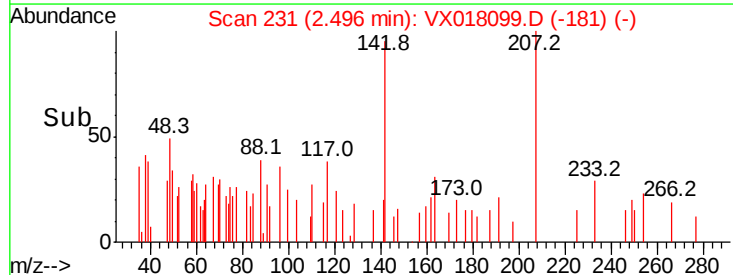
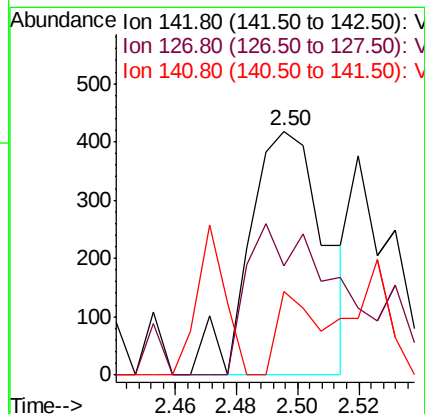
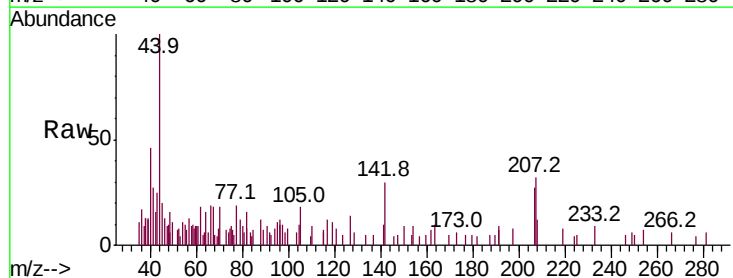
Tgt Ion: 142 Resp: 717

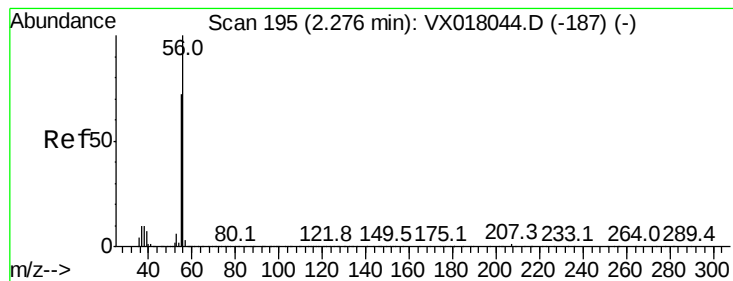
Ion Ratio Lower Upper

142 100

127 82.7 37.0 55.6#

141 17.0 11.5 17.3





#13

Acrolein

Concen: 0.298 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

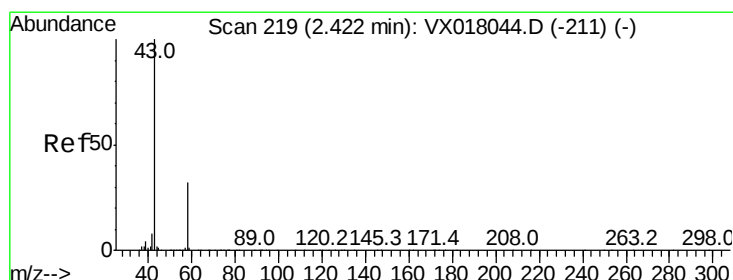
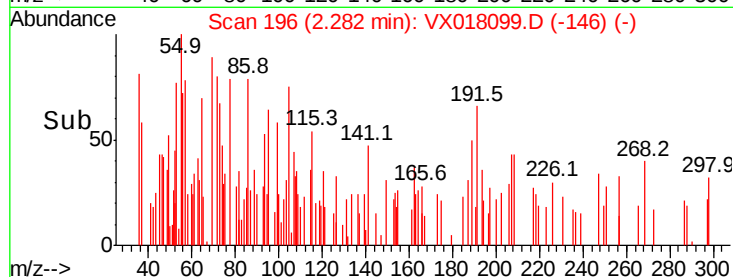
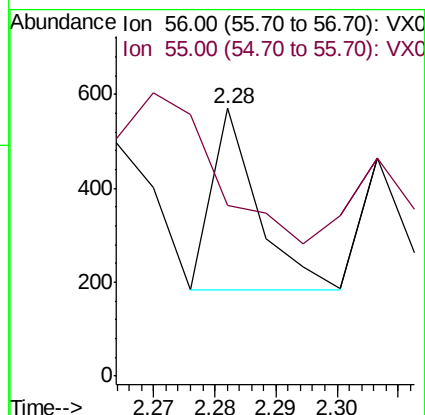
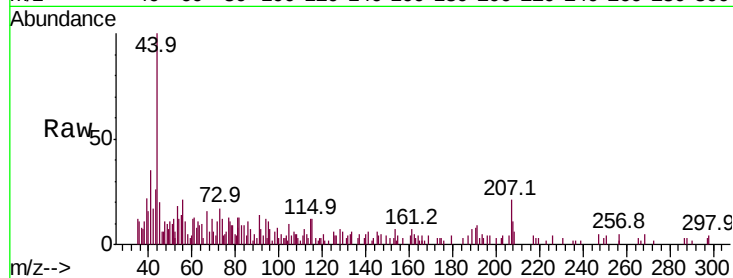
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Tot Ion: 56 Resp: 200

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#16

Acetone

Concen: 4.929 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018099.D

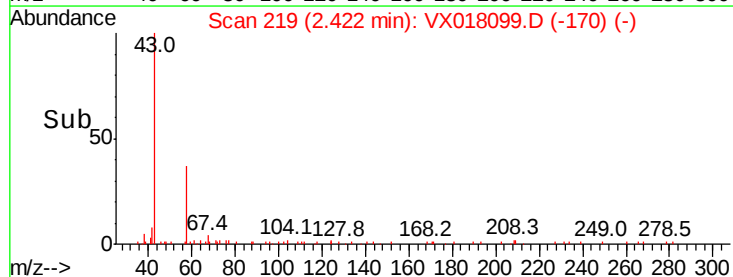
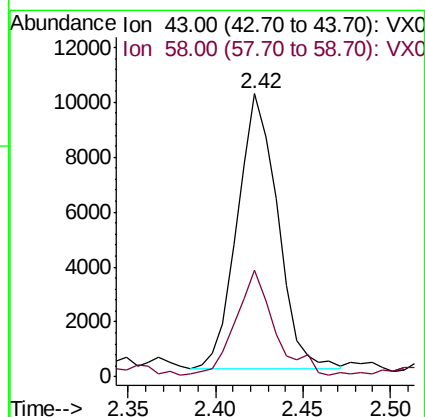
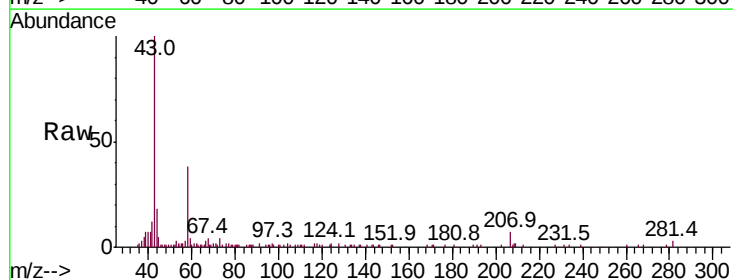
Acq: 27 Aug 2020 18:13

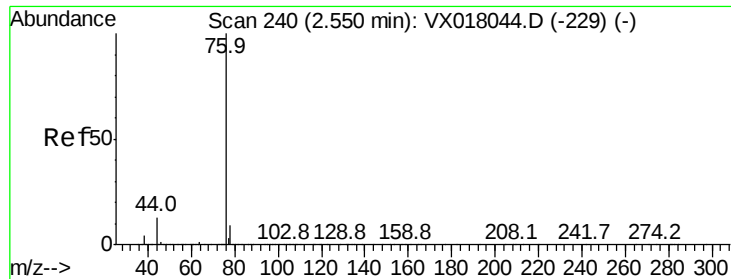
Tgt Ion: 43 Resp: 16011

Ion Ratio Lower Upper

43 100

58 37.8 25.5 38.3

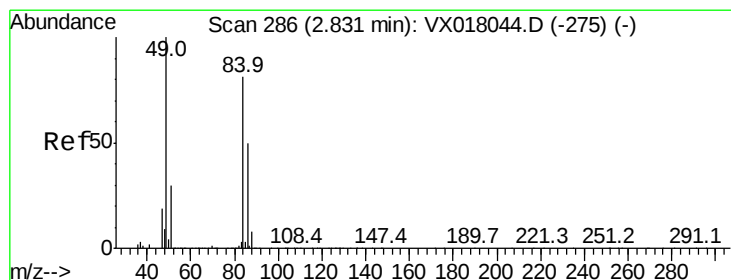
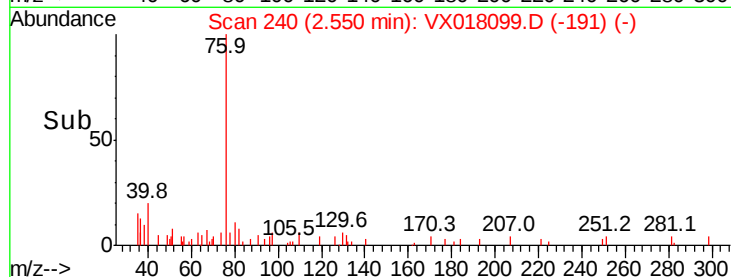
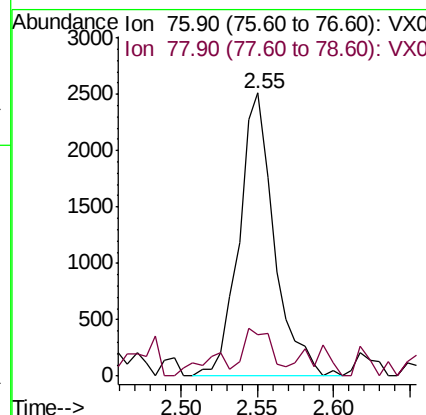
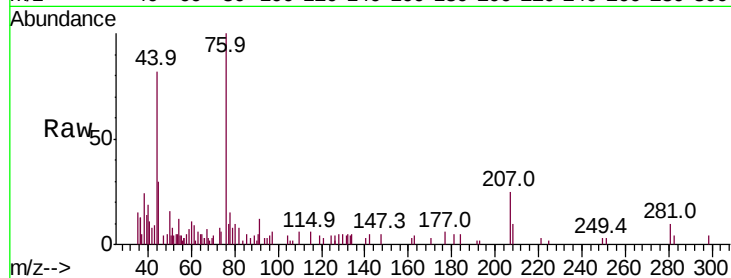




#17
Carbon Disulfide
Concen: 0.226 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX018099.D
Acq: 27 Aug 2020 18:13

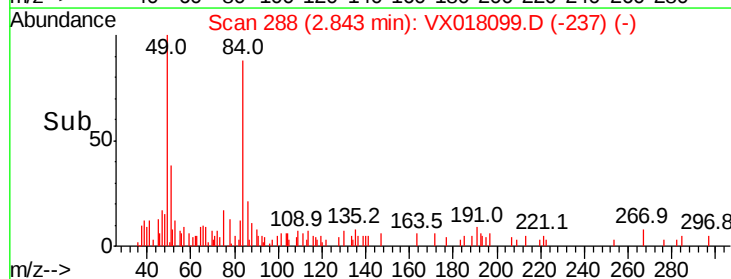
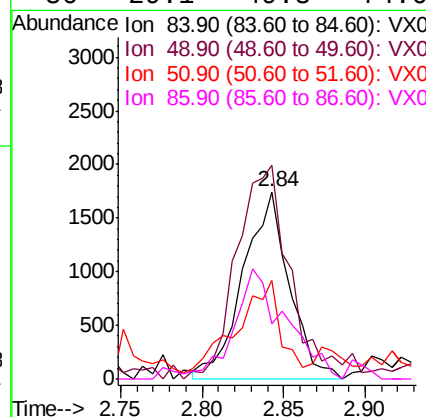
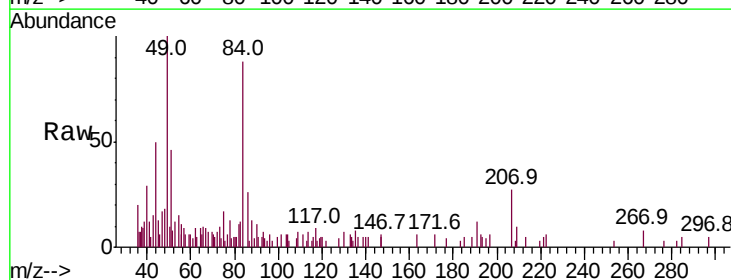
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-618-620

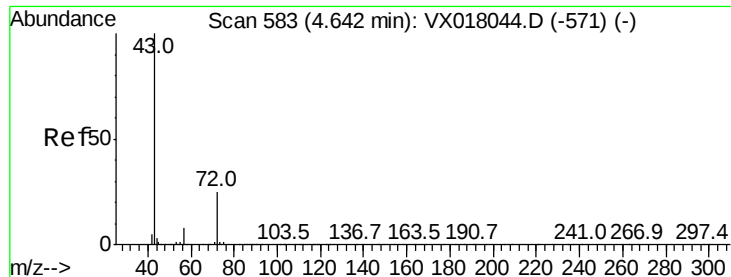
Tot Ion: 76 Resp: 4001
Ion Ratio Lower Upper
76 100
78 14.8 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018099.D
Acq: 27 Aug 2020 18:13

Tgt Ion: 84 Resp: 3428
Ion Ratio Lower Upper
84 100
49 110.1 98.6 148.0
51 56.4 29.6 44.4#
86 29.1 49.8 74.6#

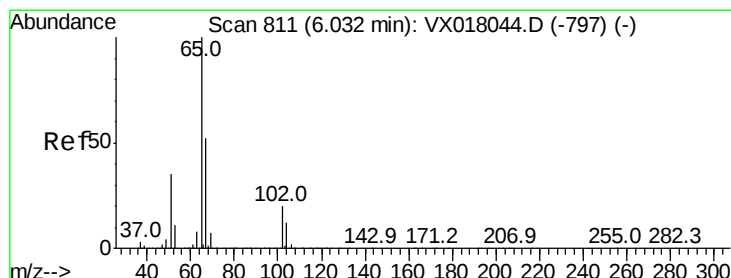
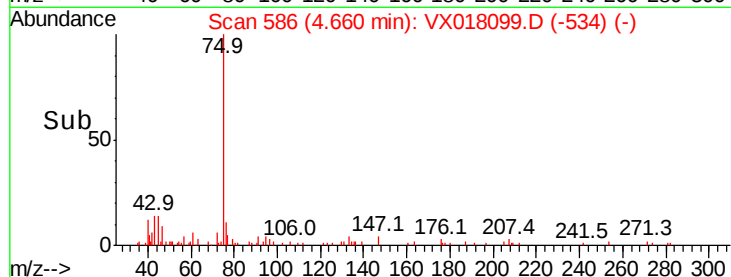
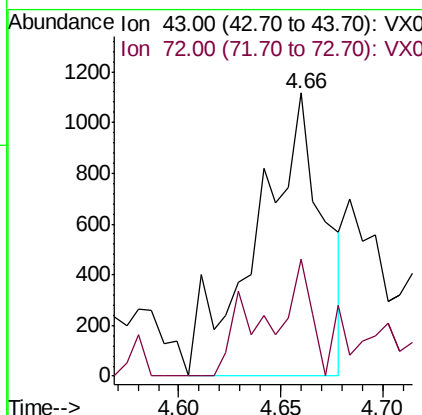
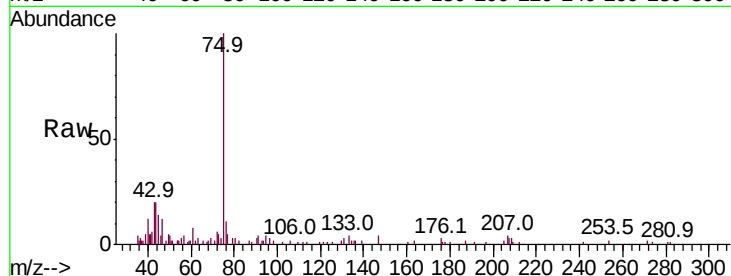




#25
2-Butanone
Concen: 0.468 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX018099.D
Acq: 27 Aug 2020 18:13

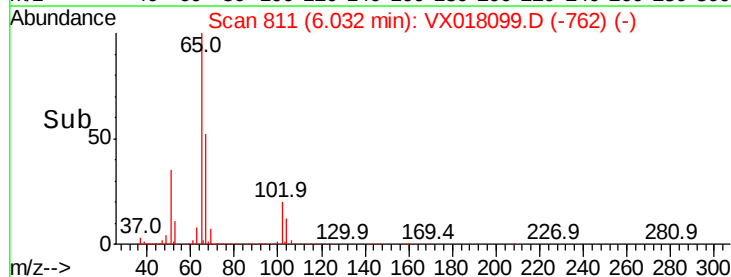
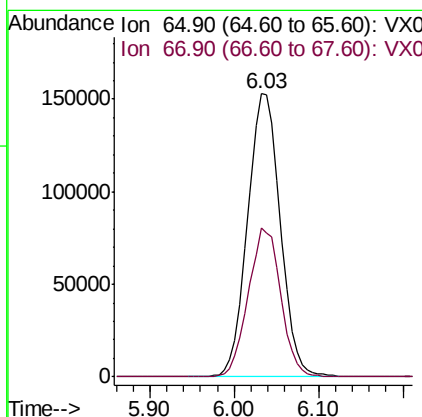
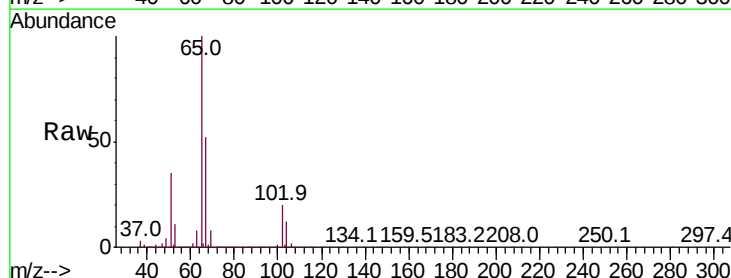
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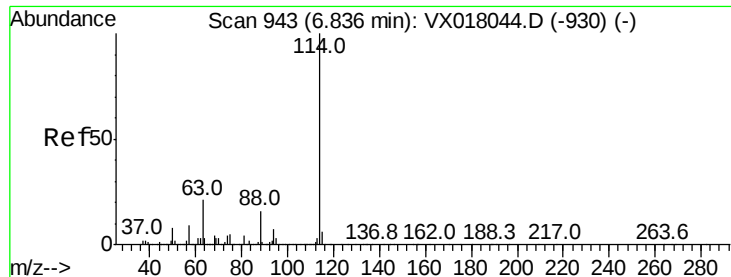
Tot Ion: 43 Resp: 2496
Ion Ratio Lower Upper
43 100
72 34.1 19.8 29.6#



#33
1,2-Dichloroethane-d4
Concen: 48.410 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018099.D
Acq: 27 Aug 2020 18:13

Tgt Ion: 65 Resp: 403561
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.8

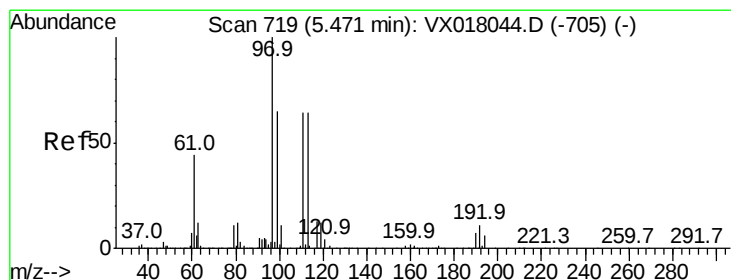
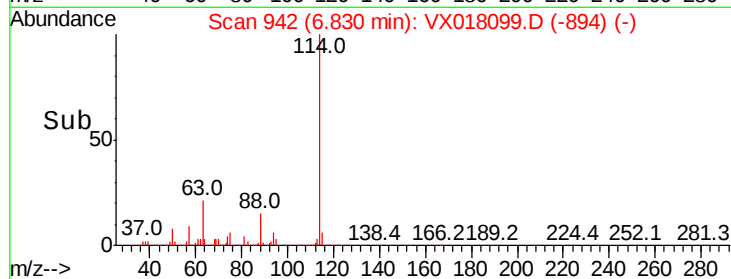
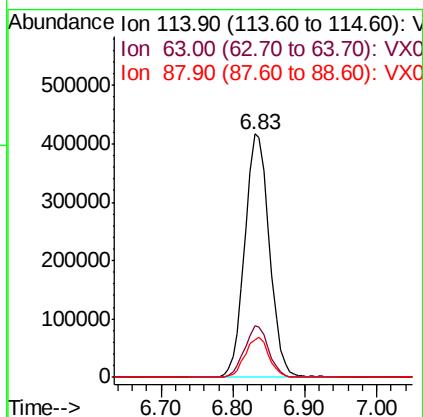
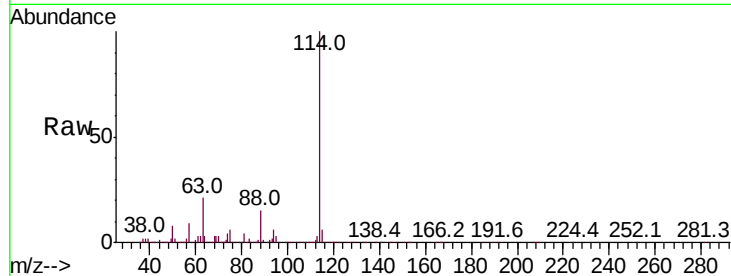




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018099.D
 Acq: 27 Aug 2020 18:13

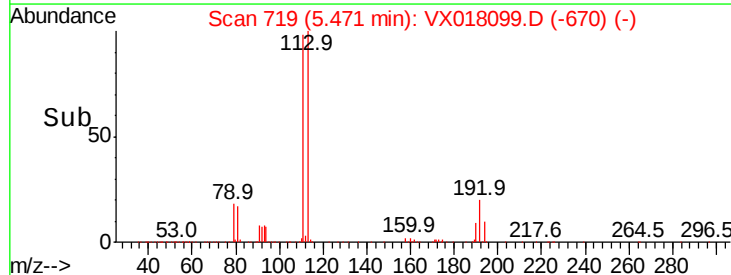
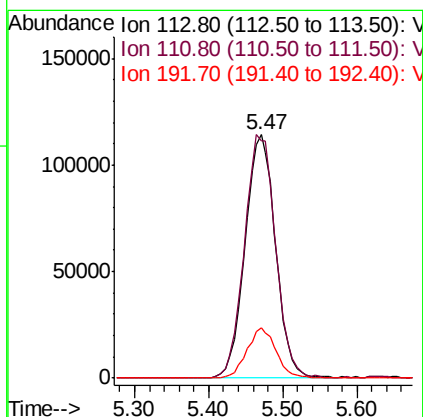
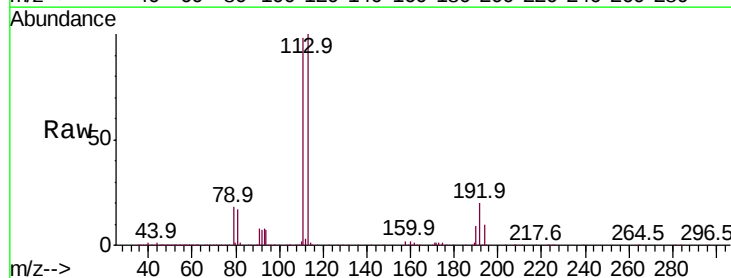
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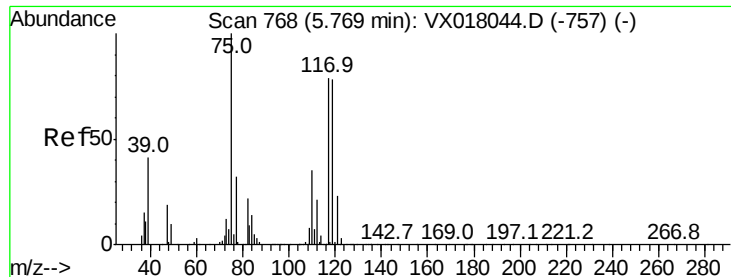
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.6
88	15.4	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 48.419 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018099.D
 Acq: 27 Aug 2020 18:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.6	122.4
192	19.5	15.8	23.8





#36

1,1-Dichloropropene

Concen: 5.001 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-618-620

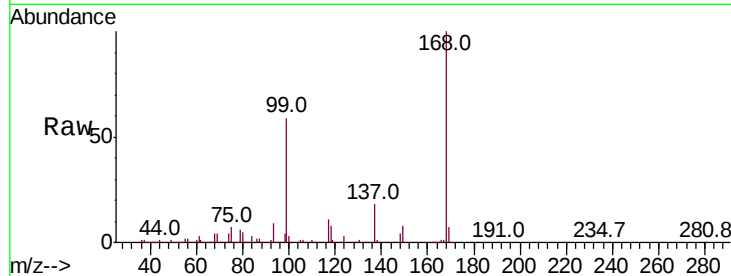
Tot Ion: 75 Resp: 45776

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

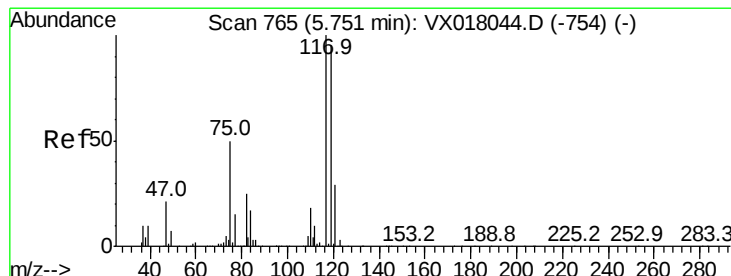
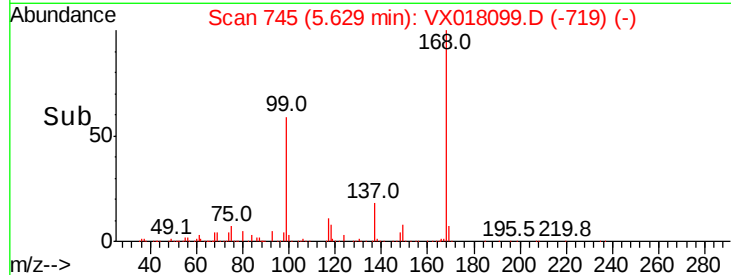
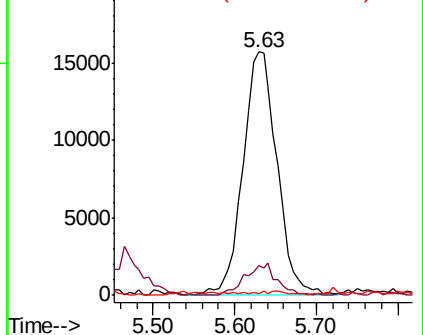
77 0.2 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.140 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

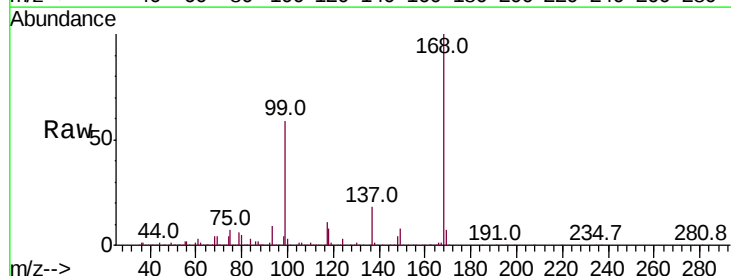
Tgt Ion: 117 Resp: 63343

Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

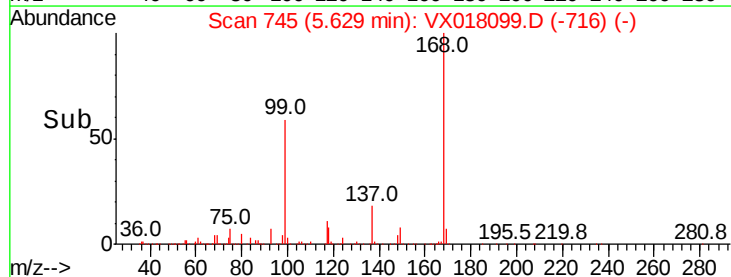
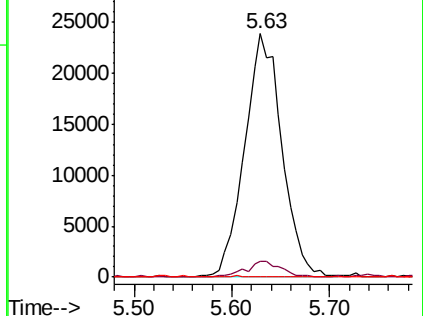
121 0.4 23.4 35.0#

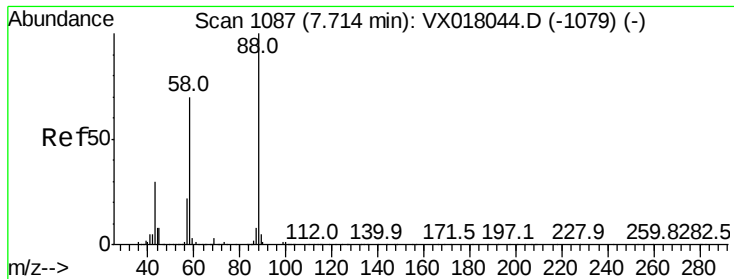


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.659 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-618-620

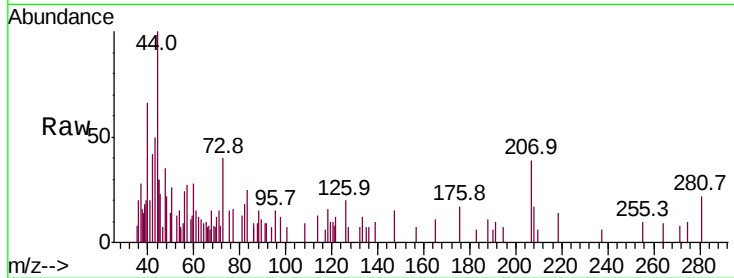
Tot Ion: 88 Resp: 102

Ion Ratio Lower Upper

88 100

43 437.3 27.4 41.0#

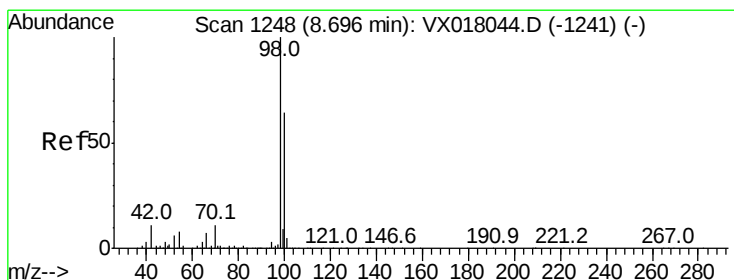
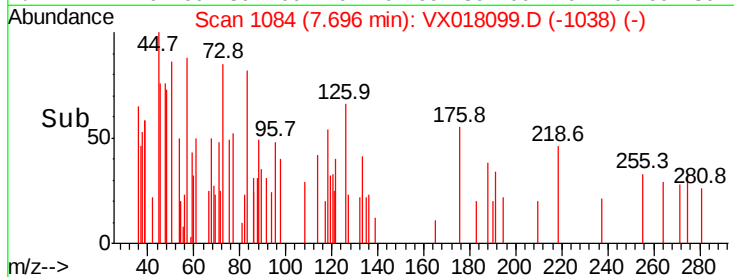
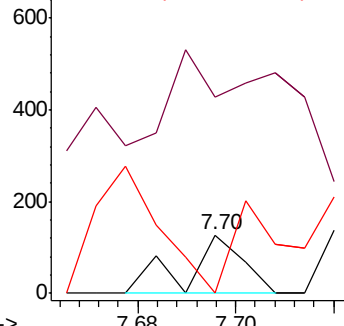
58 249.0 56.4 84.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.097 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018099.D

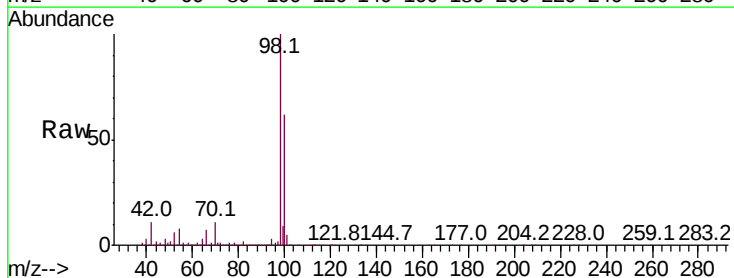
Acq: 27 Aug 2020 18:13

Tgt Ion: 98 Resp: 1210874

Ion Ratio Lower Upper

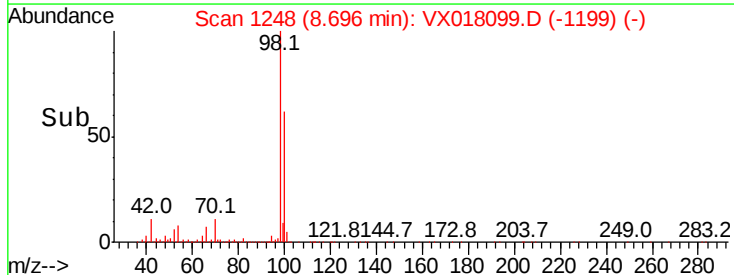
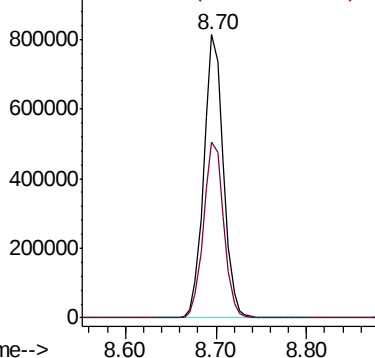
98 100

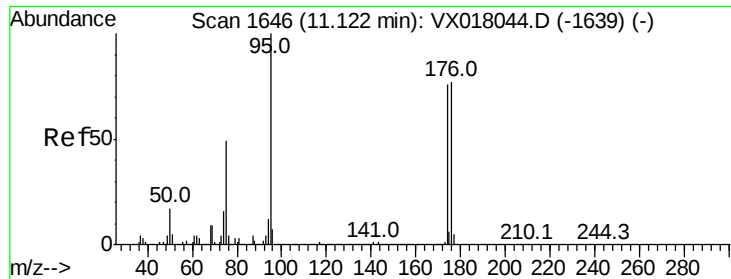
100 64.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

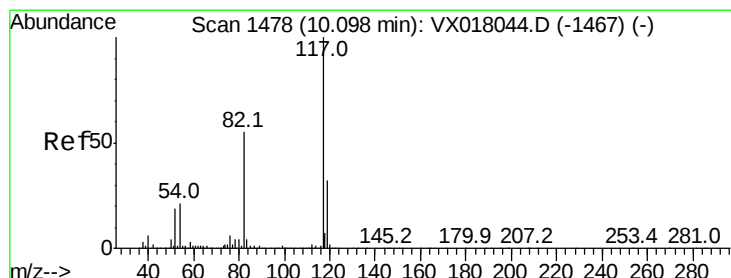
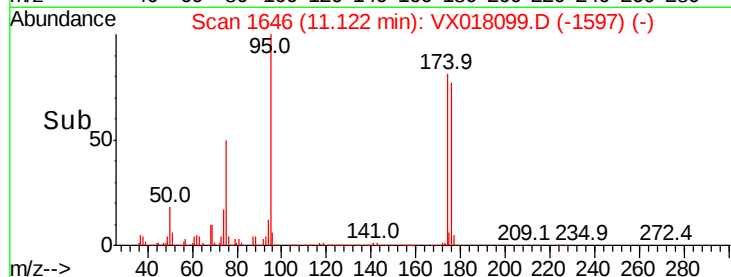
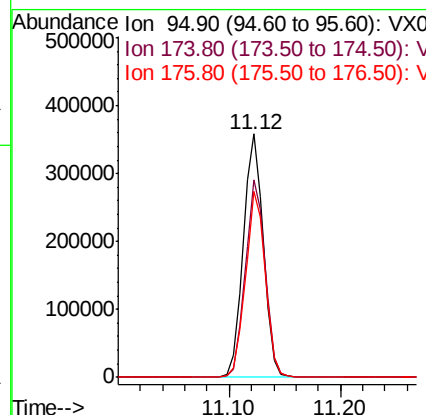
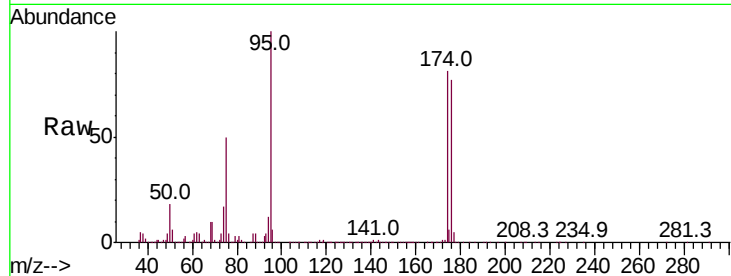




#62
4-Bromofluorobenzene
Concen: 44.827 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018099.D
Acq: 27 Aug 2020 18:13

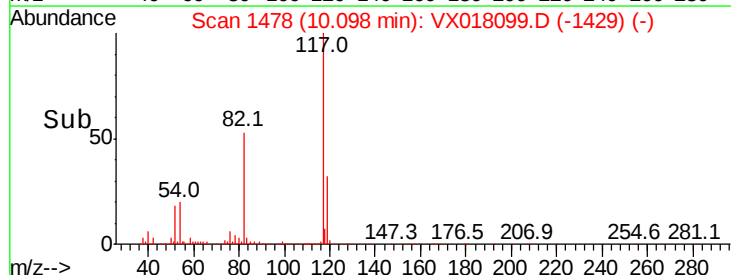
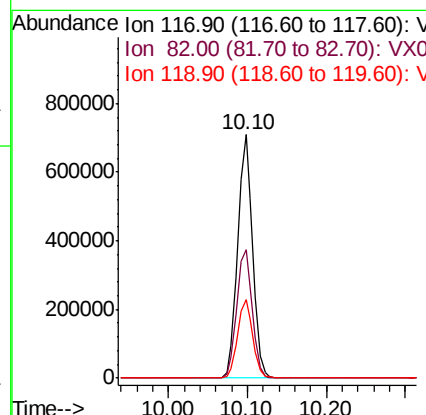
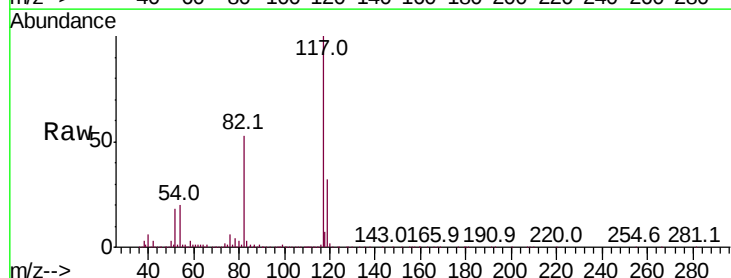
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-618-620

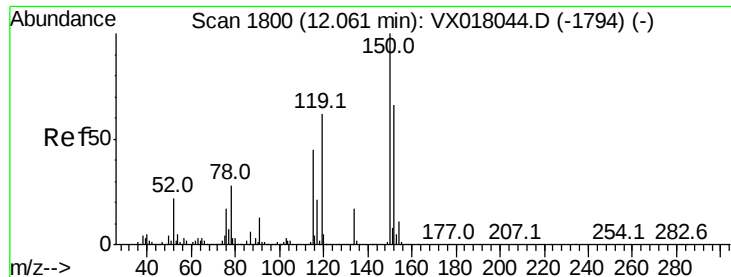
Tot Ion: 95 Resp: 444016
Ion Ratio Lower Upper
95 100
174 80.6 0.0 160.2
176 75.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018099.D
Acq: 27 Aug 2020 18:13

Tgt Ion: 117 Resp: 932397
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 32.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-618-620

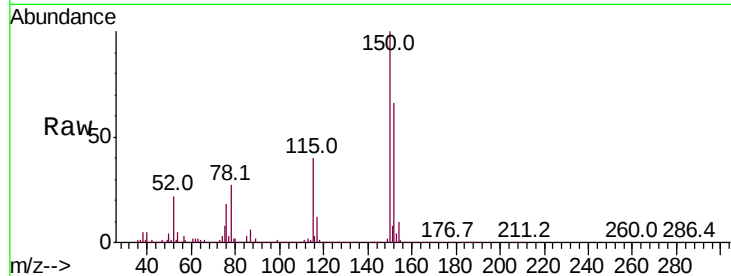
Tot Ion:152 Resp: 430775

Ion Ratio Lower Upper

152 100

115 58.7 41.5 124.5

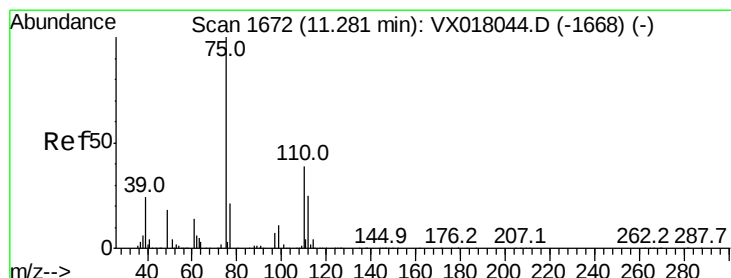
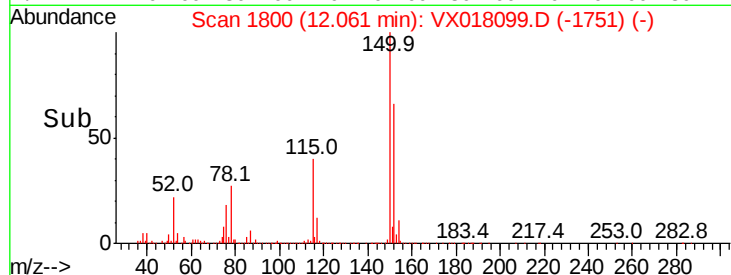
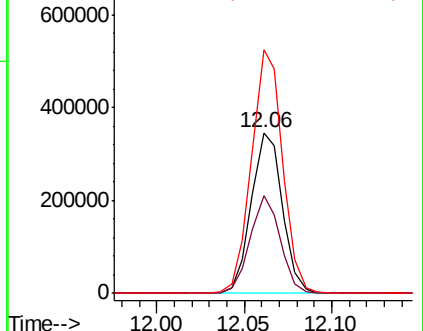
150 151.7 0.0 343.8



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: 23.350 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018099.D

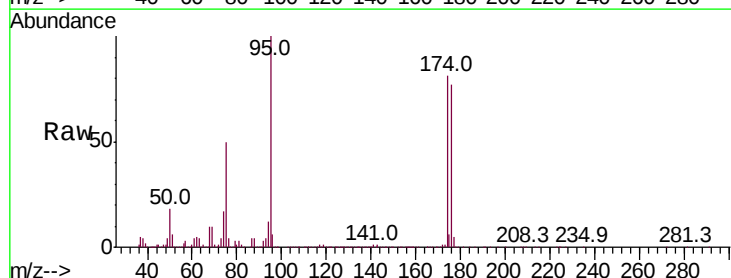
Acq: 27 Aug 2020 18:13

Tgt Ion: 75 Resp: 223759

Ion Ratio Lower Upper

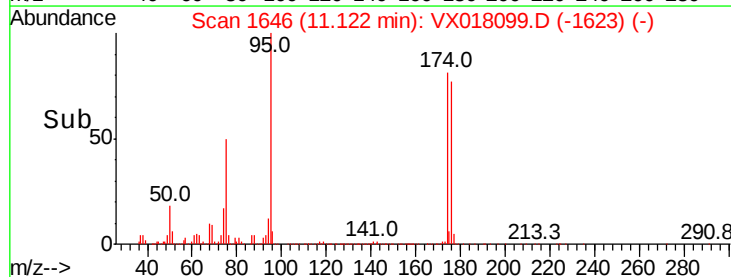
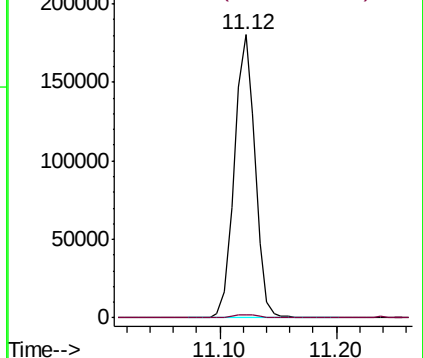
75 100

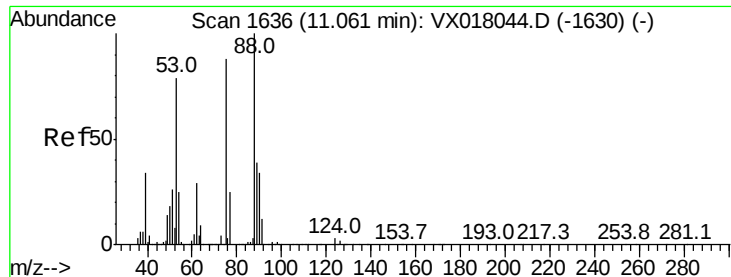
77 1.4 20.8 62.2#



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: 63.065 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-618-620

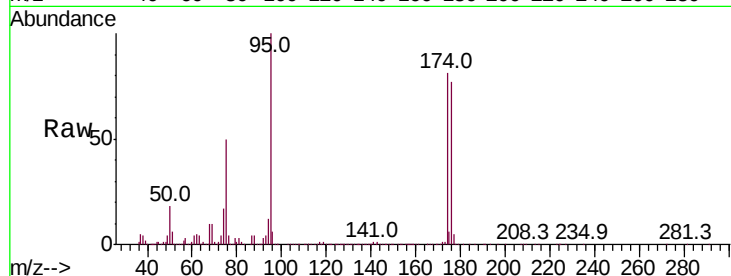
Tot Ion: 75 Resp: 223759

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

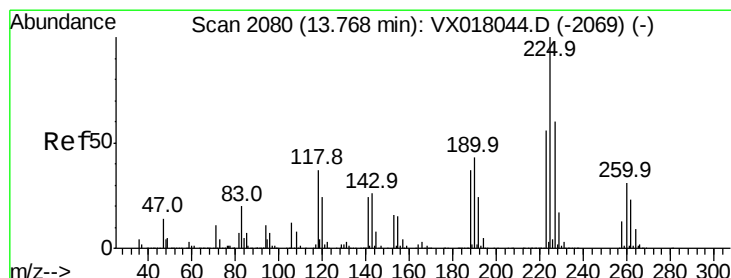
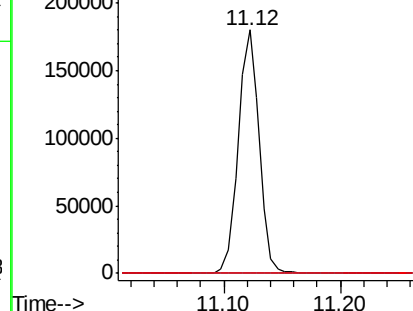
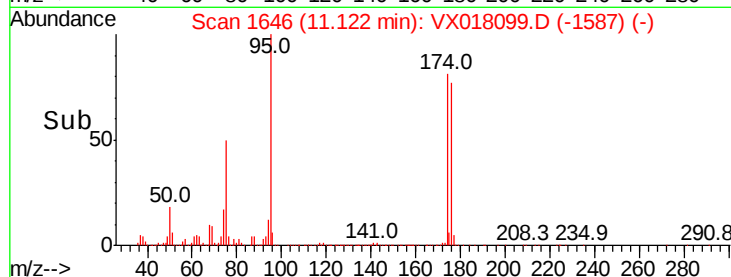
89 0.2 36.6 54.8#



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



#94

Hexachlorobutadiene

Concen: 0.202 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX018099.D

Acq: 27 Aug 2020 18:13

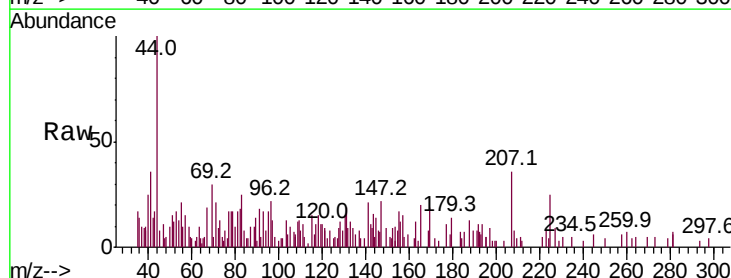
Tgt Ion: 225 Resp: 690

Ion Ratio Lower Upper

225 100

223 34.1 30.7 92.1

227 68.0 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

