

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072519\
 Data File : VX011069.D
 Acq On : 25 Jul 2019 11:46
 Operator : JC/SP
 Sample : K3973-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-98-100

Quant Time: Jul 26 01:24:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	210613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	309098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145707	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116099	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
35) Dibromofluoromethane	5.50	113	105700	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	8.71	98	399240	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	142869	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

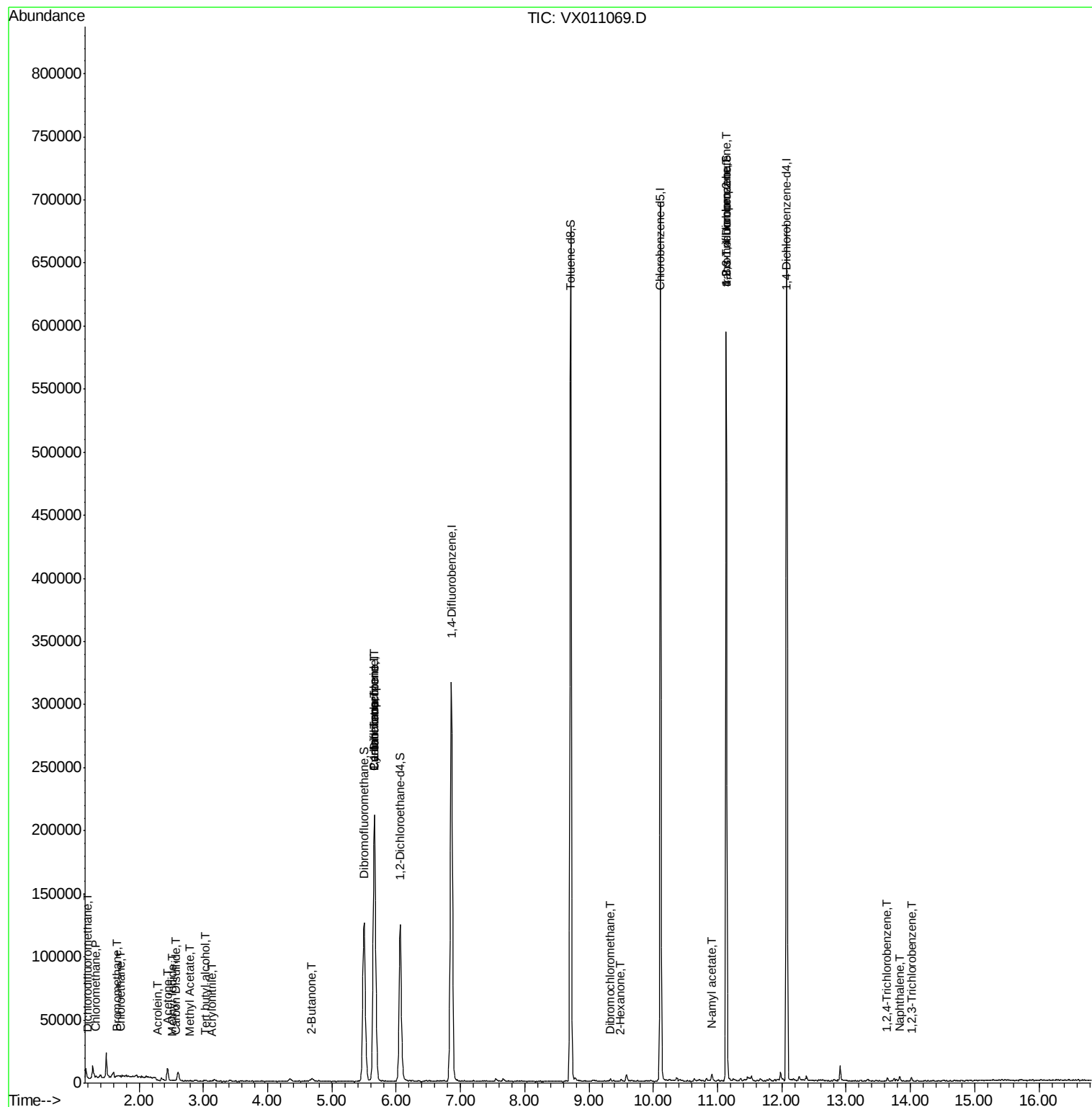
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	131	0.604	ug/l #	43
3) Chloromethane	1.33	50	581	0.300	ug/l #	80
5) Bromomethane	1.66	94	773	0.694	ug/l	93
6) Chloroethane	1.71	64	591	0.471	ug/l #	41
10) Methyl Iodide	2.53	142	1155	0.461	ug/l	97
11) Tert butyl alcohol	3.04	59	725	1.389	ug/l #	81
13) Acrolein	2.29	56	234	0.776	ug/l #	80
15) Acrylonitrile	3.13	53	355	0.337	ug/l #	17
16) Acetone	2.44	43	10549	10.424	ug/l	95
17) Carbon Disulfide	2.57	76	1080	0.224	ug/l	98
18) Methyl Acetate	2.78	43	634	0.275	ug/l #	48
25) 2-Butanone	4.69	43	3196	2.200	ug/l #	88
31) Cyclohexane	5.67	56	4267	1.403	ug/l #	23
36) 1,1-Dichloropropene	5.66	75	13787	5.026	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20061	7.018	ug/l #	17
59) 2-Hexanone	9.49	43	887	0.382	ug/l	90
60) Dibromochloromethane	9.34	129	194	2.598	ug/l #	11
74) N-amyl acetate	10.91	43	927	0.246	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71711	27.273	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	71711	67.578	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	695	0.220	ug/l	92
95) Naphthalene	13.83	128	2175	0.233	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	651	0.207	ug/l	93

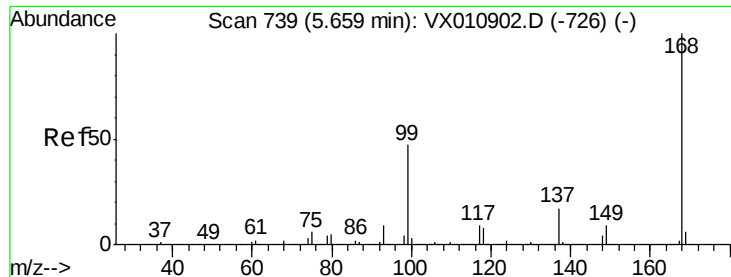
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072519\
Data File : VX011069.D
Acq On : 25 Jul 2019 11:46
Operator : JC/SP
Sample : K3973-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-98-100

Quant Time: Jul 26 01:24:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

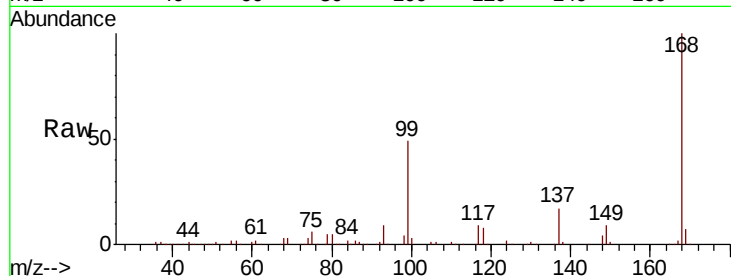
BP-VPB203-GW-98-100

Tot Ion:168 Resp: 210613

Ion Ratio Lower Upper

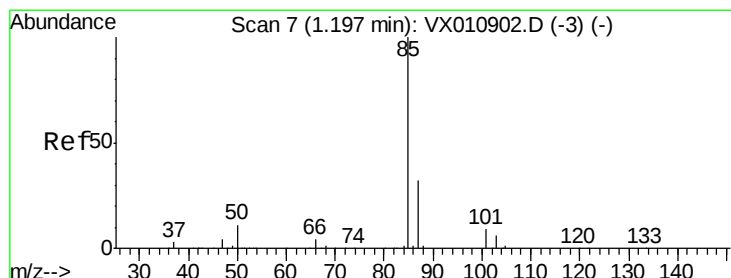
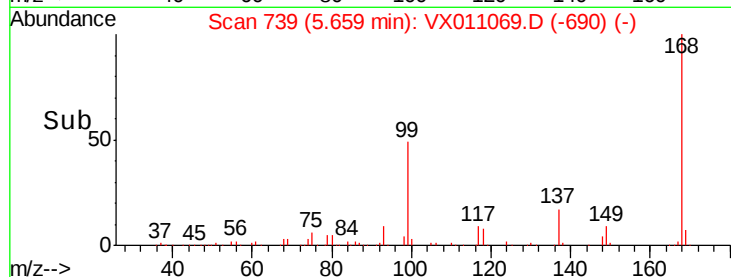
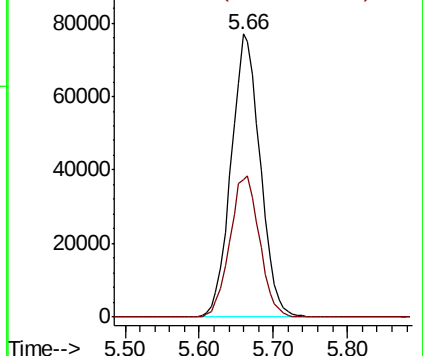
168 100

99 48.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.604 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011069.D

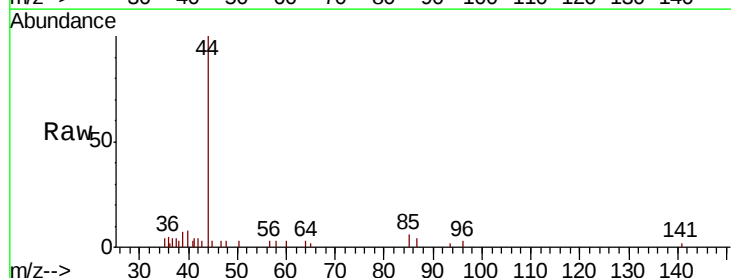
Acq: 25 Jul 2019 11:46

Tgt Ion: 85 Resp: 131

Ion Ratio Lower Upper

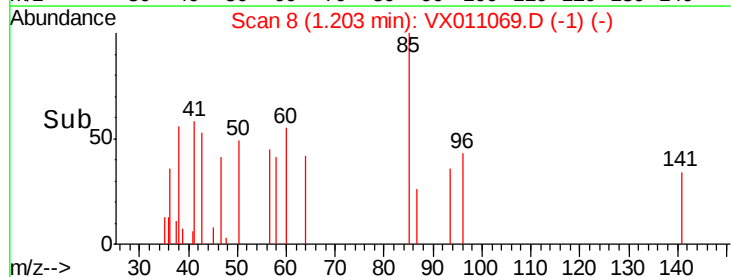
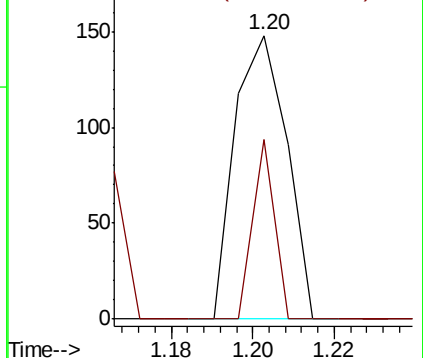
85 100

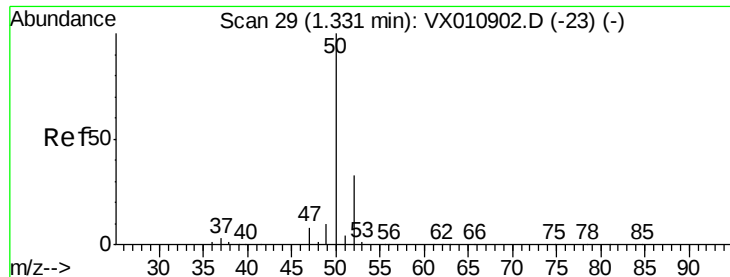
87 63.5 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.300 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

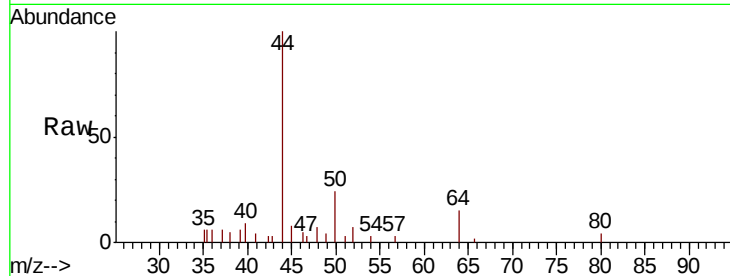
BP-VPB203-GW-98-100

Tot Ion: 50 Resp: 581

Ion Ratio Lower Upper

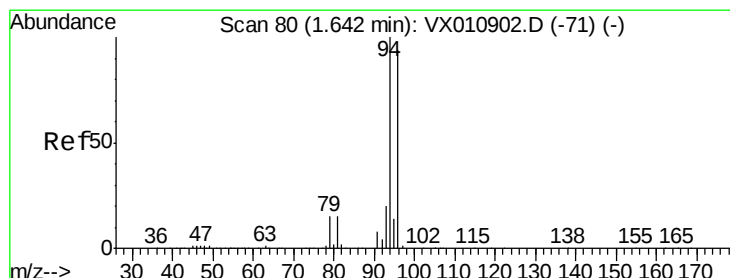
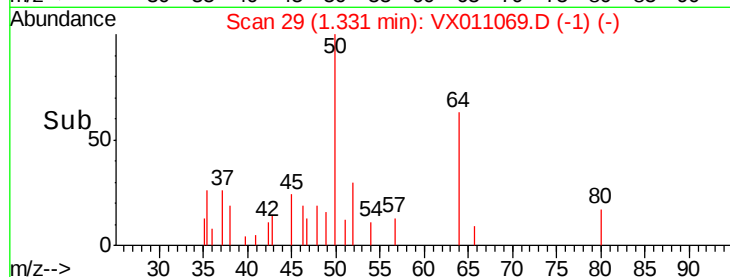
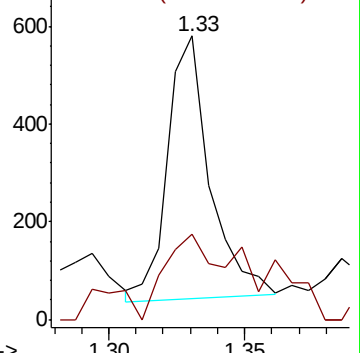
50 100

52 21.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.694 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011069.D

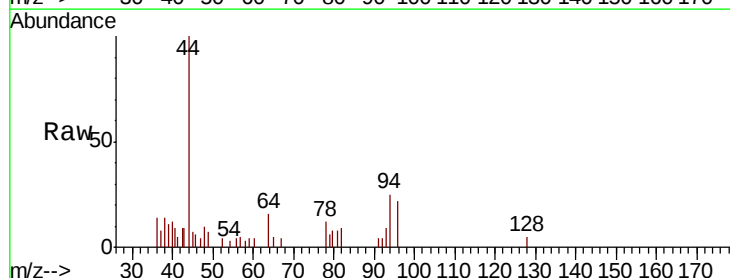
Acq: 25 Jul 2019 11:46

Tgt Ion: 94 Resp: 773

Ion Ratio Lower Upper

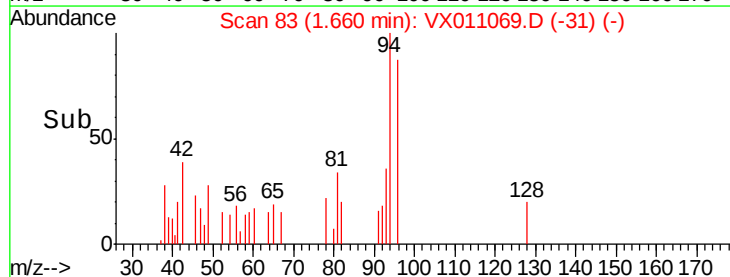
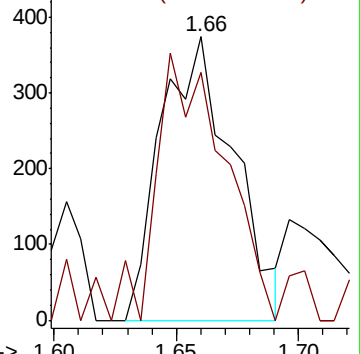
94 100

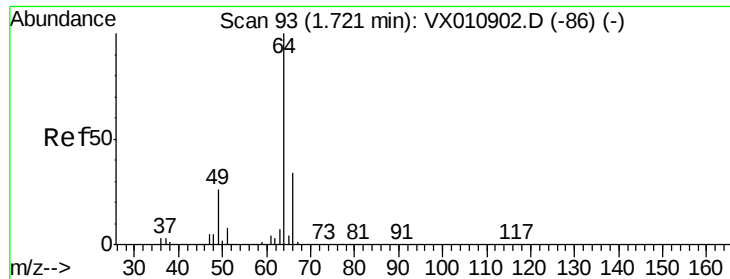
96 87.4 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.471 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

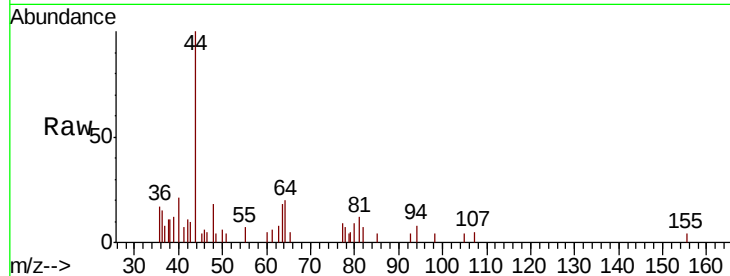
BP-VPB203-GW-98-100

Tot Ion: 64 Resp: 591

Ion Ratio Lower Upper

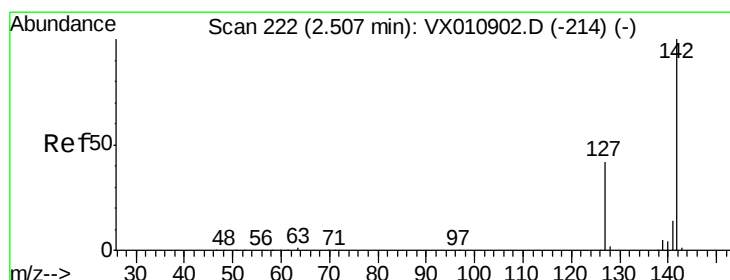
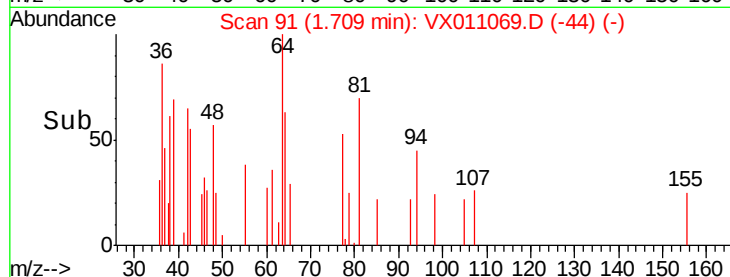
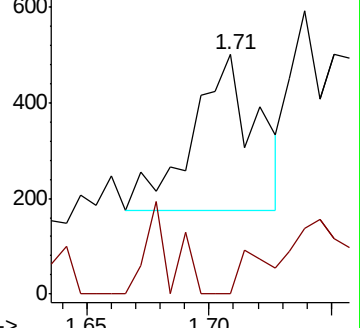
64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX010902.D (-86) (-)

Ion 65.90 (65.60 to 66.60): VX010902.D (-86) (-)



#10

Methyl Iodide

Concen: 0.461 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

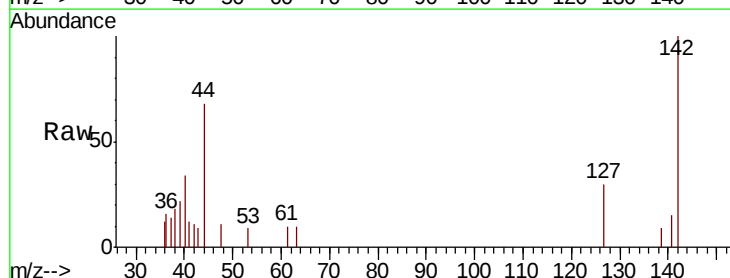
Tgt Ion: 142 Resp: 1155

Ion Ratio Lower Upper

142 100

127 40.5 34.2 51.4

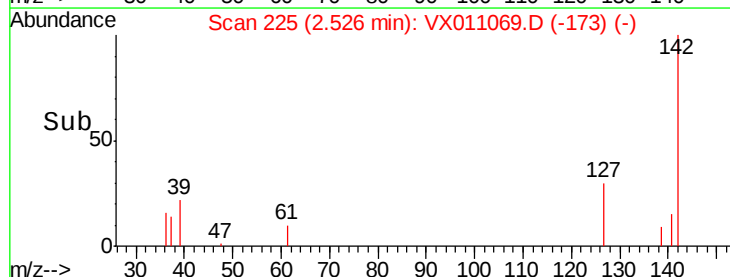
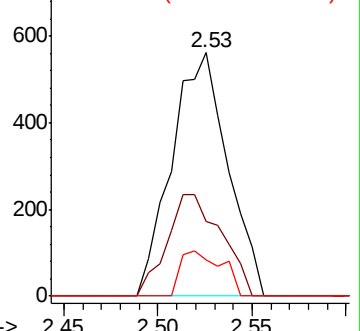
141 13.7 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): VX010902.D (-214) (-)

Ion 126.80 (126.50 to 127.50): VX010902.D (-214) (-)

Ion 140.80 (140.50 to 141.50): VX010902.D (-214) (-)

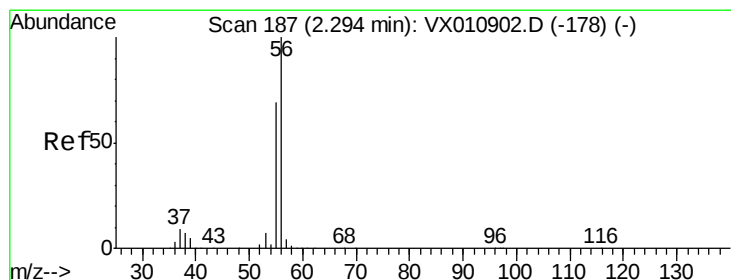
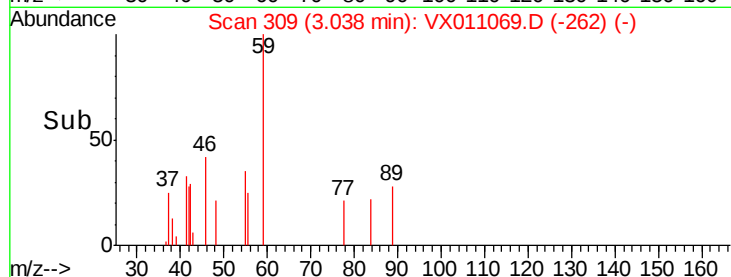
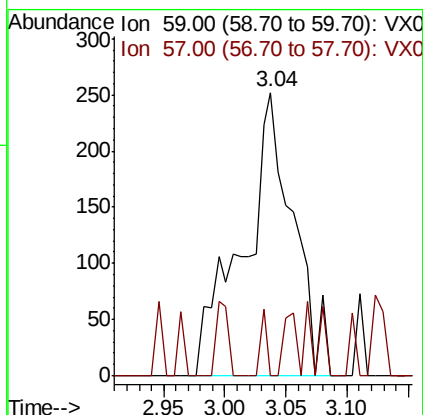
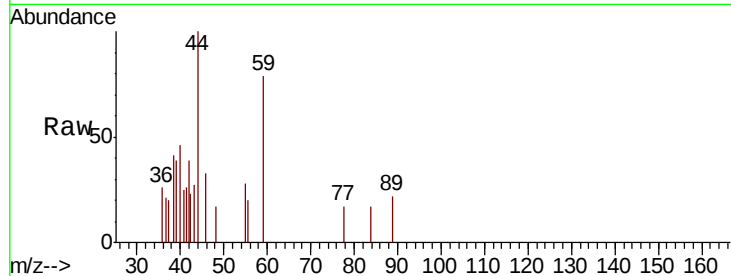




#11
Tert butyl alcohol
Concen: 1.389 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX011069.D
Acq: 25 Jul 2019 11:46

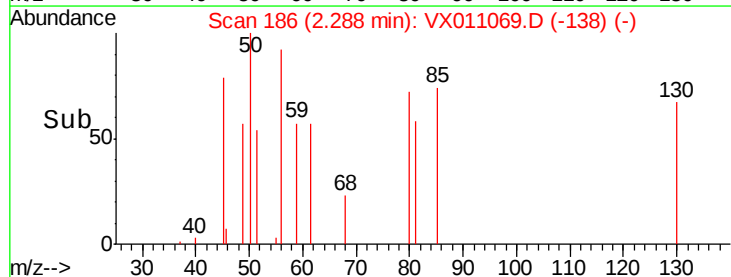
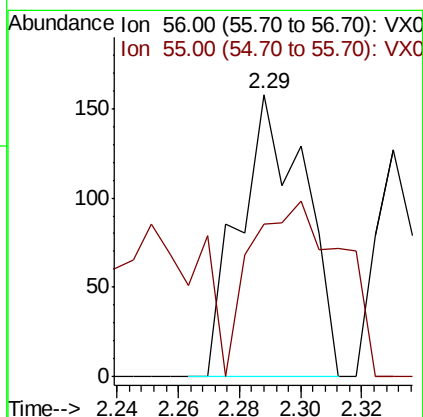
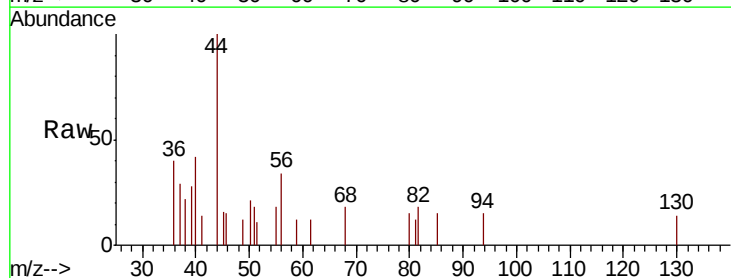
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-98-100

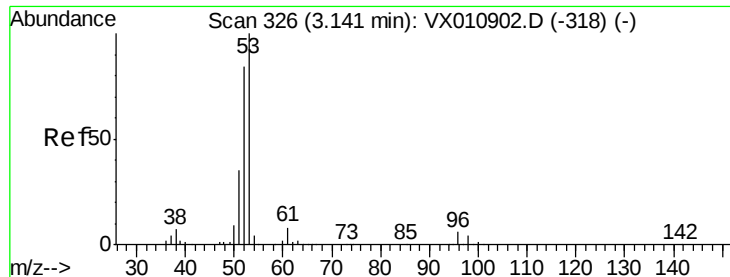
Tot Ion: 59 Resp: 725
Ion Ratio Lower Upper
59 100
57 3.0 7.9 11.9#



#13
Acrolein
Concen: 0.776 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX011069.D
Acq: 25 Jul 2019 11:46

Tgt Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 85.9 55.9 83.9#





#15

Acrylonitrile

Concen: 0.337 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-98-100

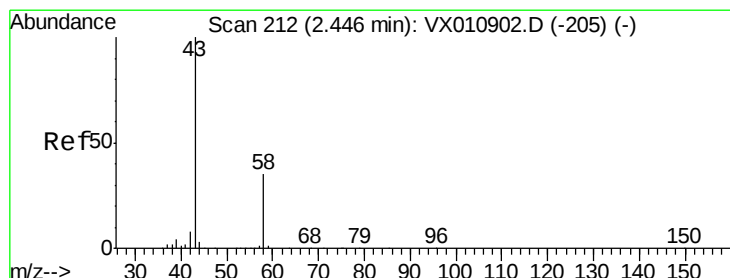
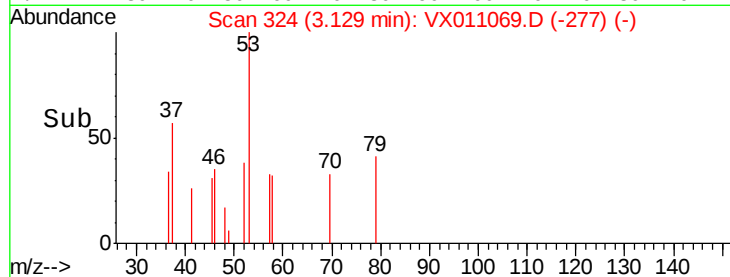
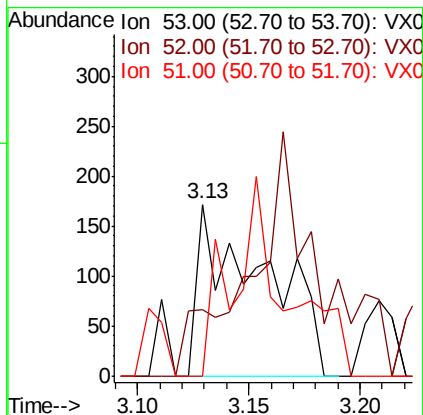
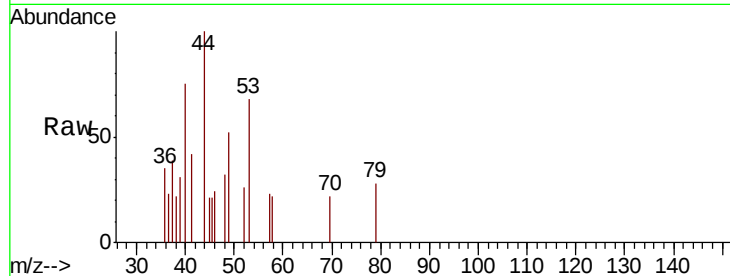
Tot Ion: 53 Resp: 355

Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

51 0.0 28.2 42.4#



#16

Acetone

Concen: 10.424 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011069.D

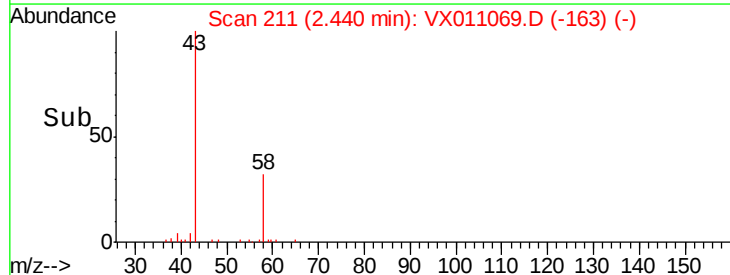
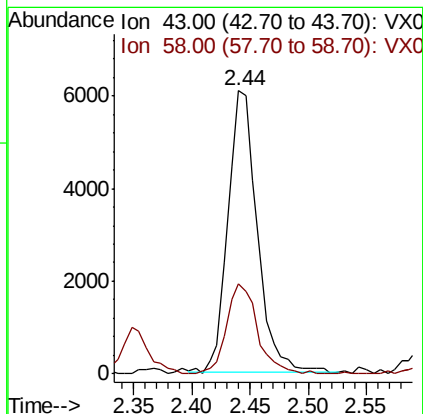
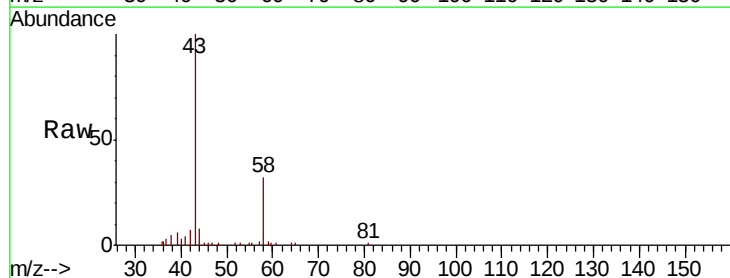
Acq: 25 Jul 2019 11:46

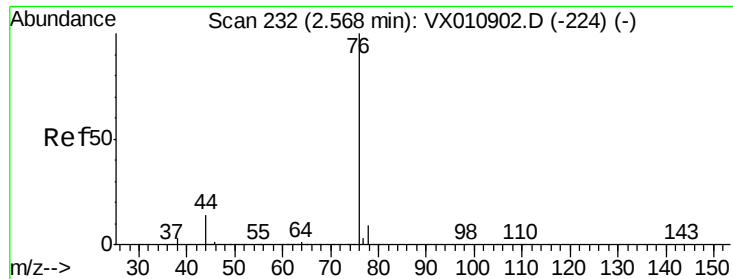
Tgt Ion: 43 Resp: 10549

Ion Ratio Lower Upper

43 100

58 32.0 27.7 41.5

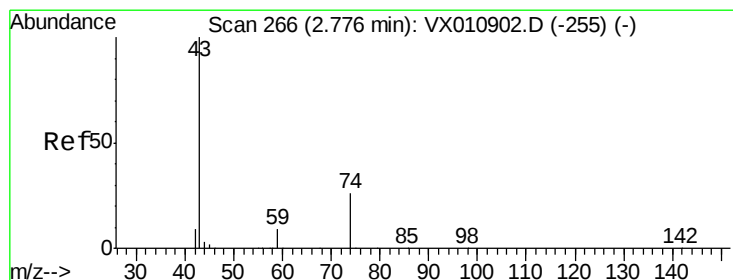
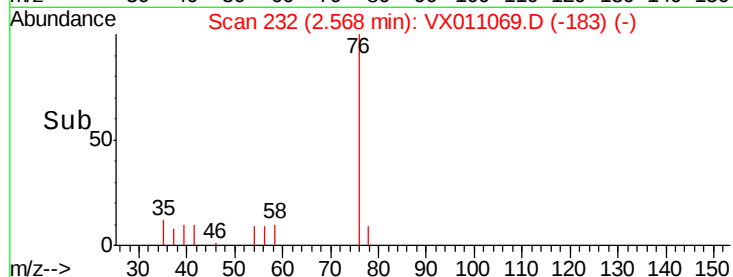
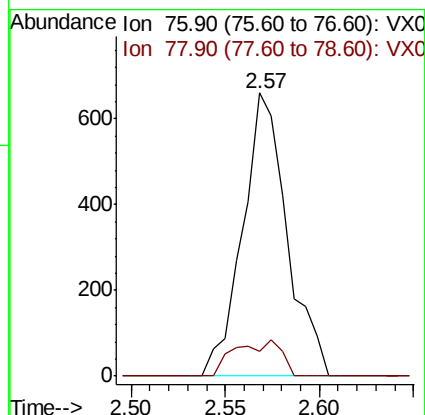
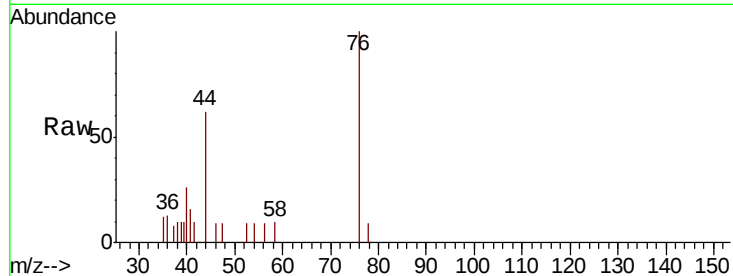




#17
Carbon Disulfide
Concen: 0.224 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011069.D
Acq: 25 Jul 2019 11:46

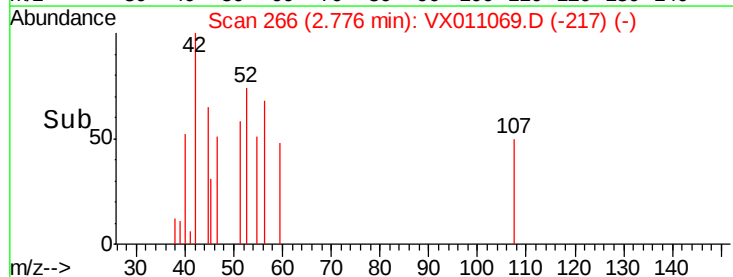
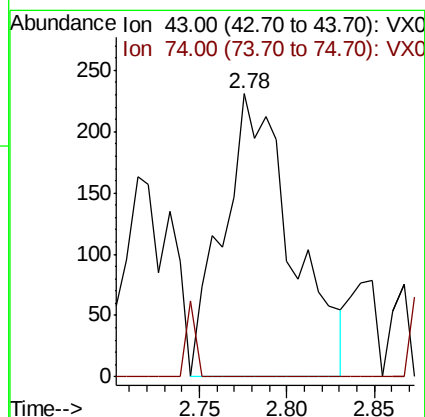
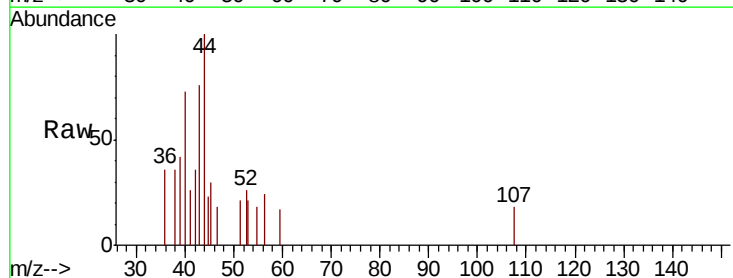
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-98-100

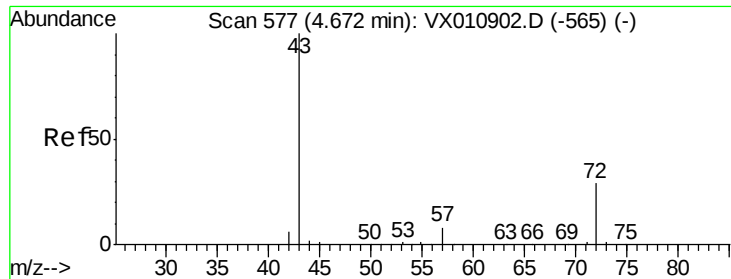
Tot Ion: 76 Resp: 1080
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011069.D
Acq: 25 Jul 2019 11:46

Tgt Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#





#25

2-Butanone

Concen: 2.200 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

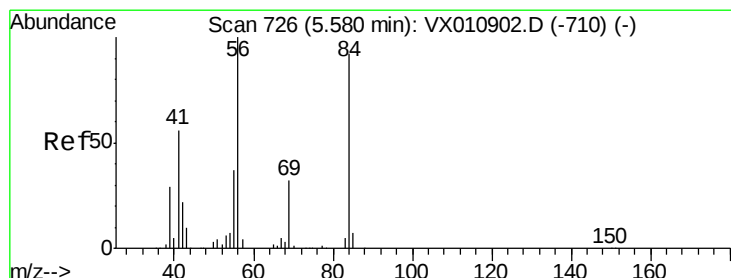
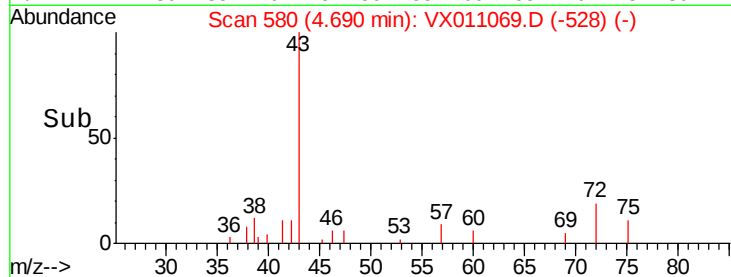
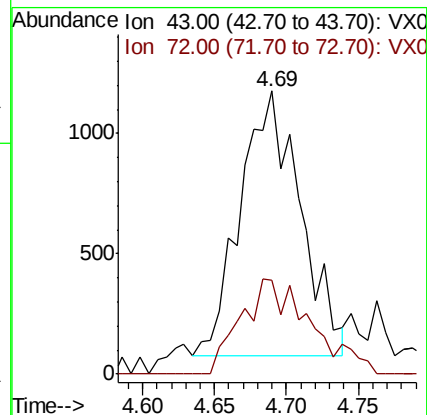
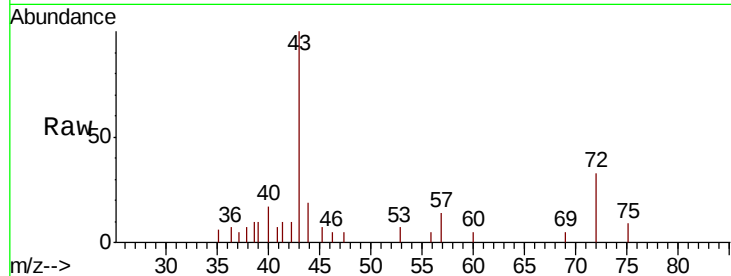
BP-VPB203-GW-98-100

Tot Ion: 43 Resp: 3196

Ion Ratio Lower Upper

43 100

72 35.3 23.0 34.6#



#31

Cyclohexane

Concen: 1.403 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

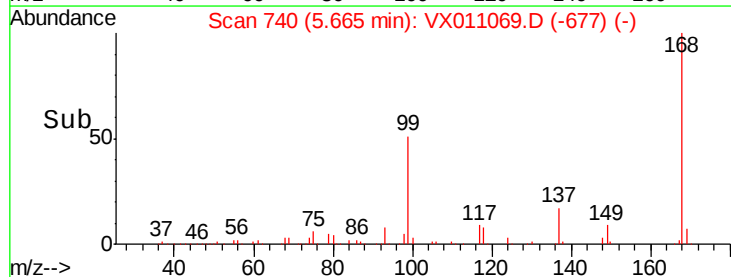
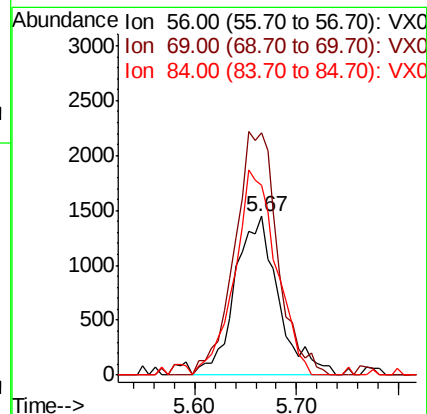
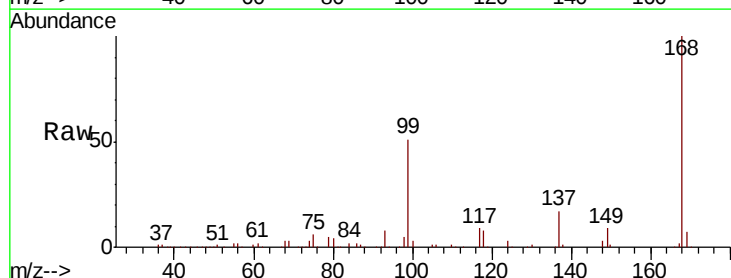
Tgt Ion: 56 Resp: 4267

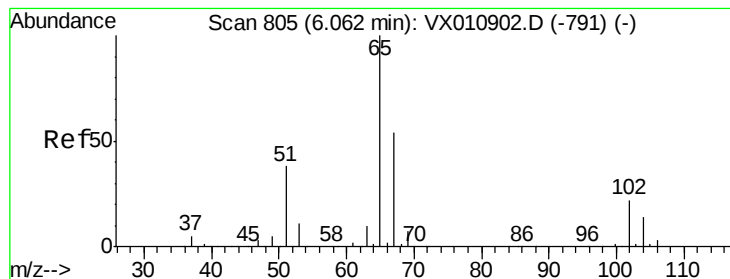
Ion Ratio Lower Upper

56 100

69 152.5 25.8 38.8#

84 119.8 73.8 110.6#





#33

1,2-Dichloroethane-d4

Concen: 51.816 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

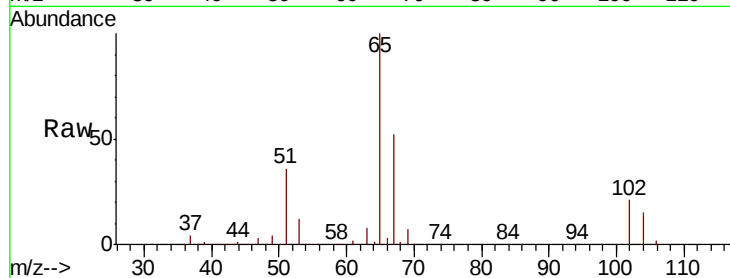
BP-VPB203-GW-98-100

Tot Ion: 65 Resp: 116099

Ion Ratio Lower Upper

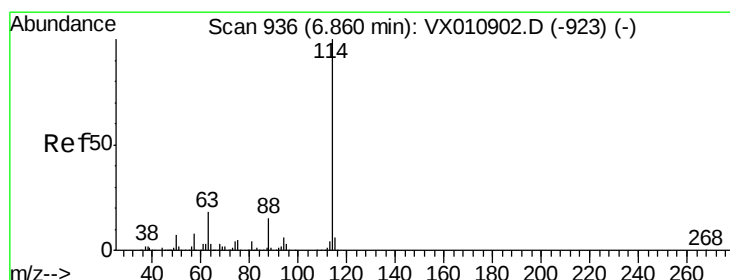
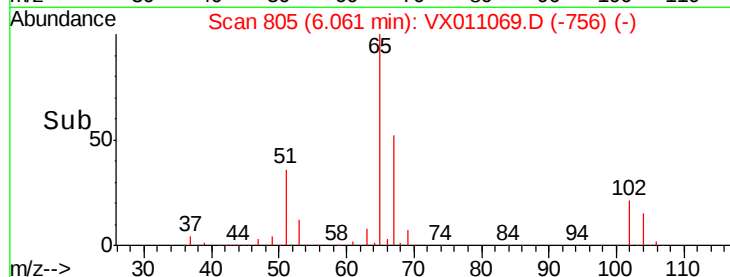
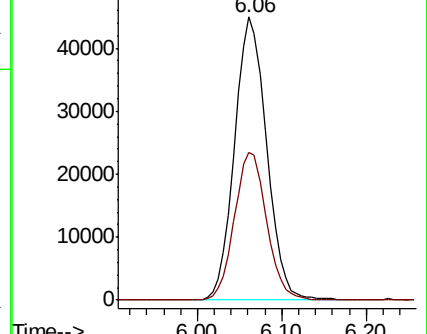
65 100

67 52.4 0.0 107.8



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

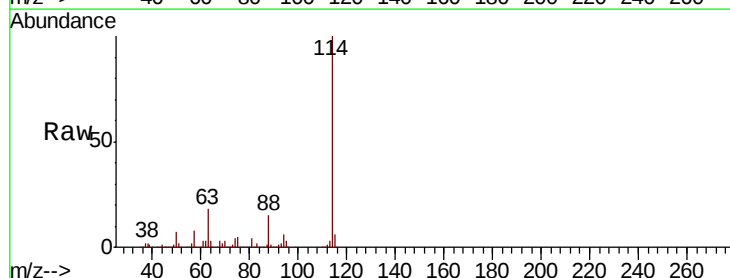
Tgt Ion: 114 Resp: 333977

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.6

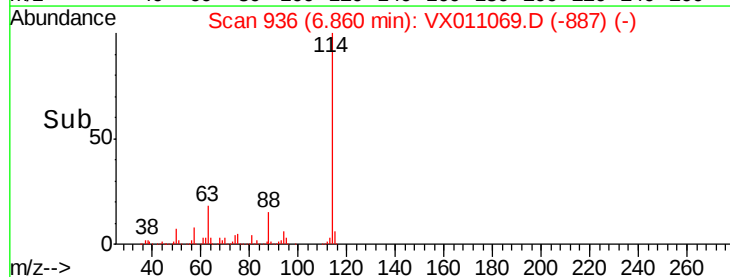
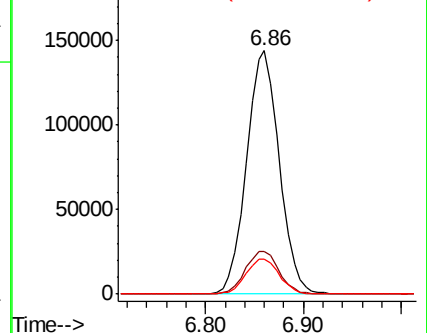
88 14.6 0.0 29.8

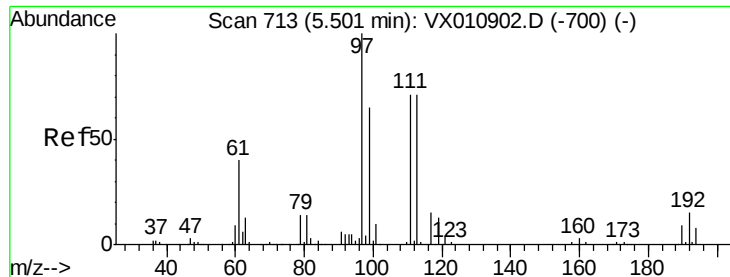


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.863 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-98-100

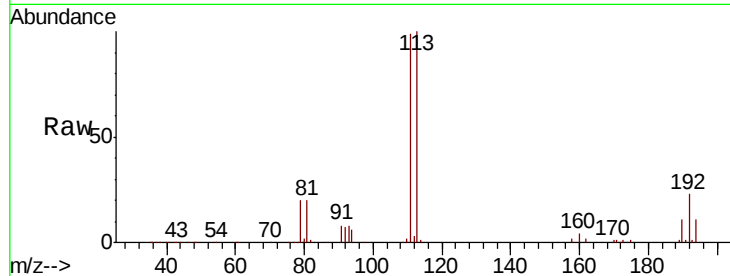
Tot Ion:113 Resp: 105700

Ion Ratio Lower Upper

113 100

111 100.6 82.3 123.5

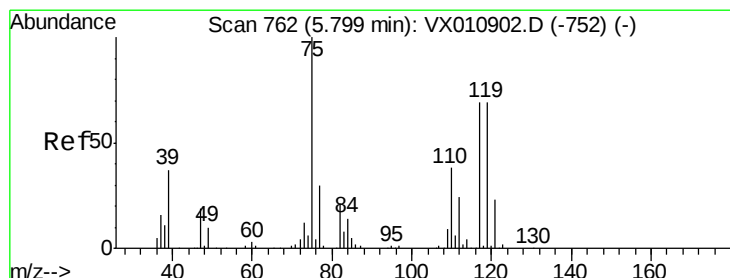
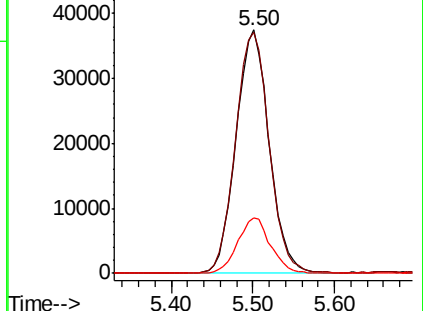
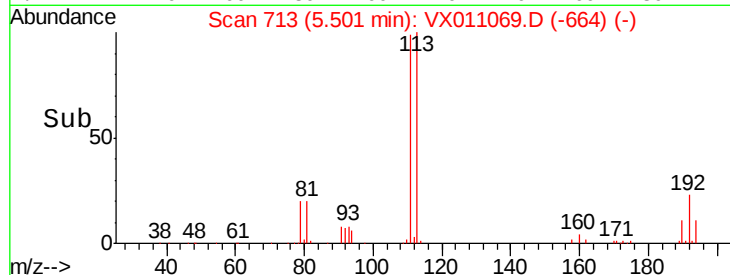
192 22.4 17.4 26.2



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: 5.026 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

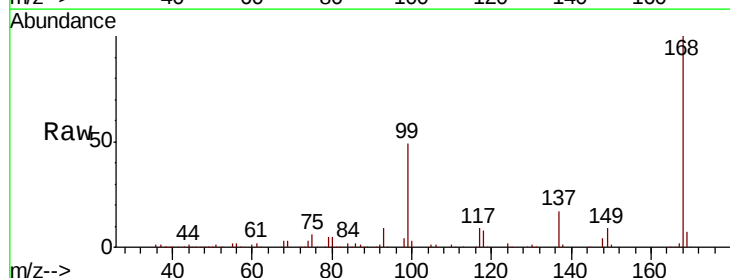
Tgt Ion: 75 Resp: 13787

Ion Ratio Lower Upper

75 100

110 11.2 19.9 59.7#

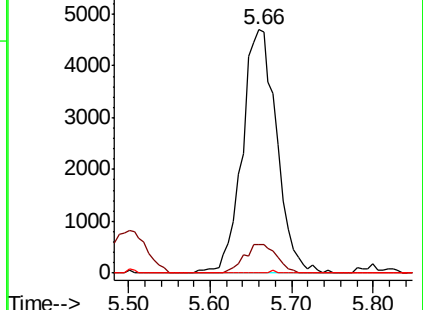
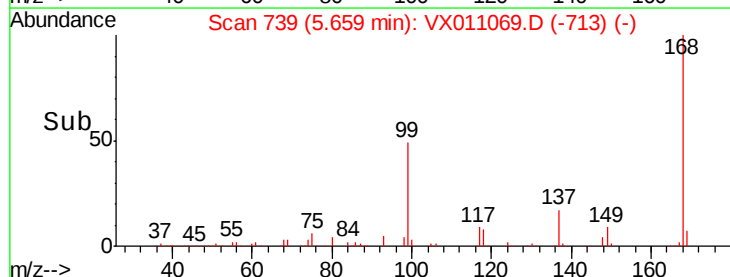
77 0.2 25.0 37.4#

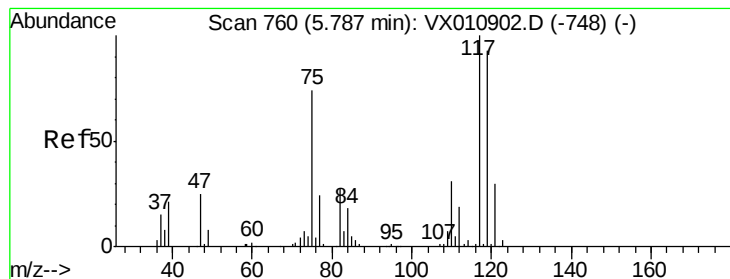


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.018 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-98-100

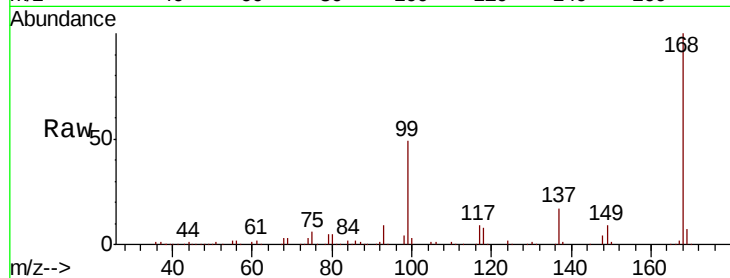
Tot Ion:117 Resp: 20061

Ion Ratio Lower Upper

117 100

119 4.7 74.2 111.2#

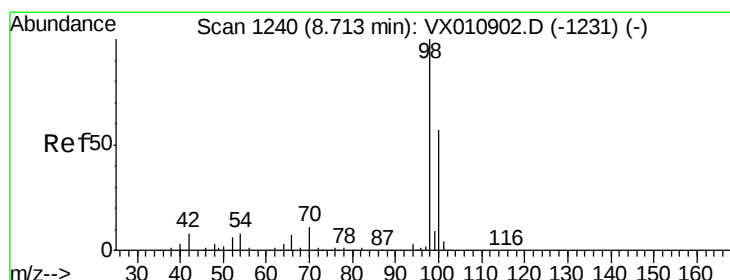
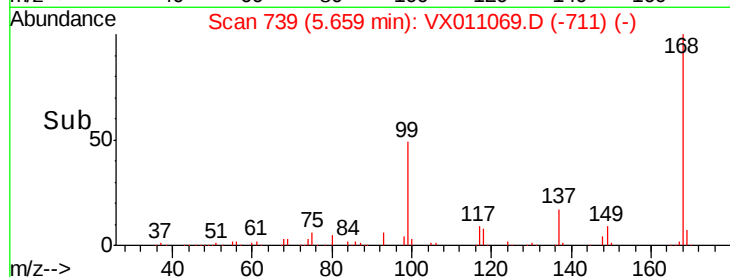
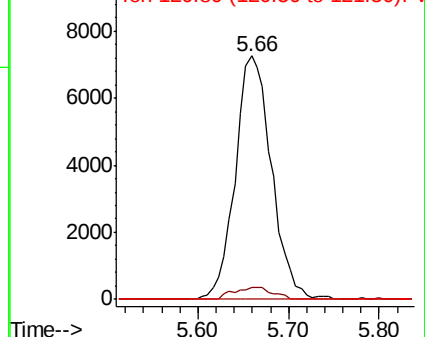
121 0.0 24.2 36.2#



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: 50.215 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011069.D

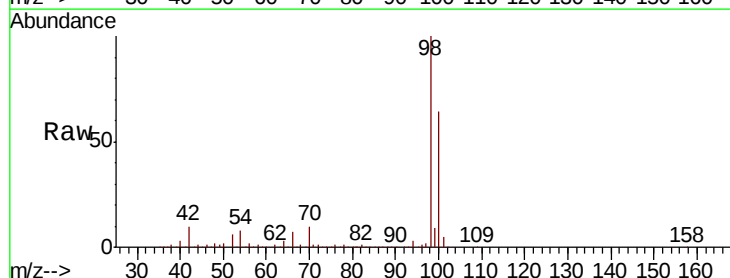
Acq: 25 Jul 2019 11:46

Tgt Ion: 98 Resp: 399240

Ion Ratio Lower Upper

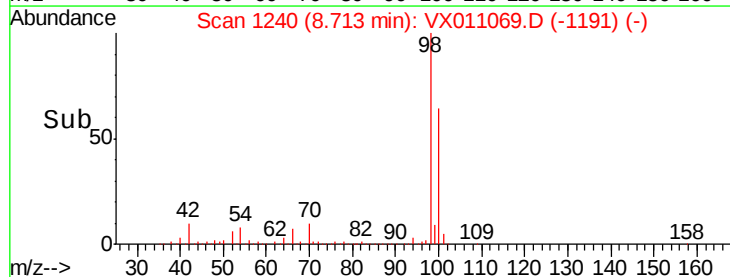
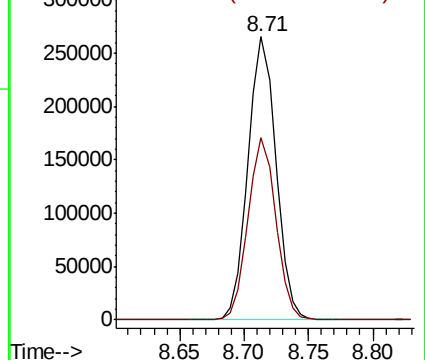
98 100

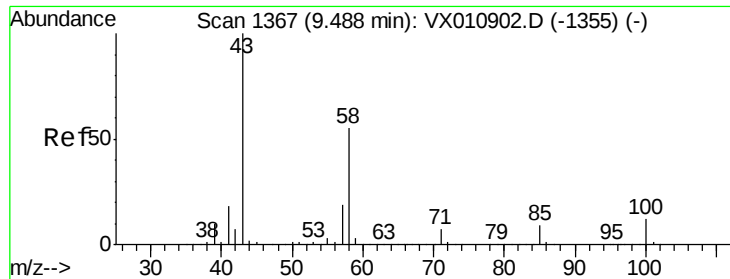
100 64.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

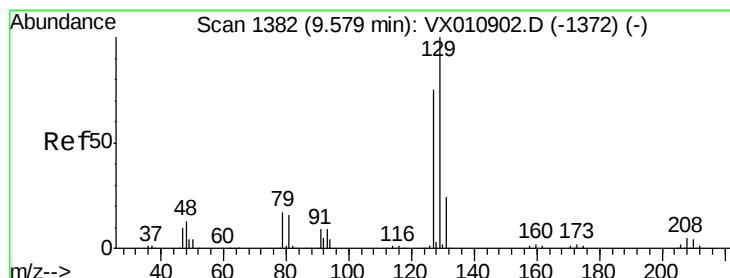
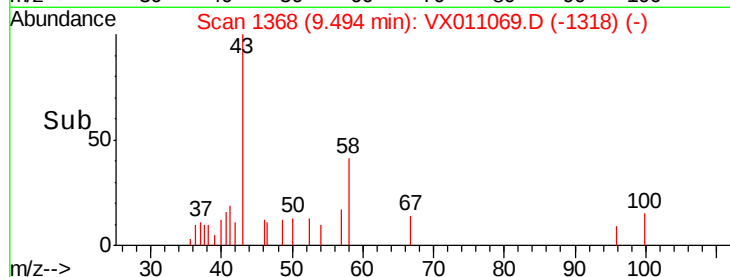
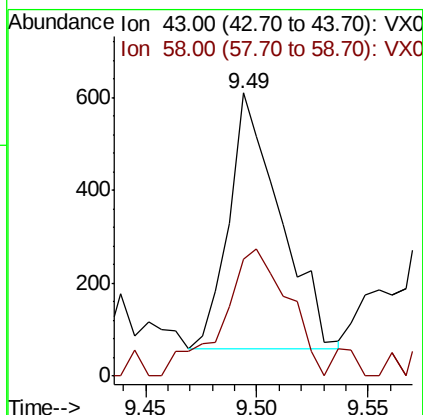
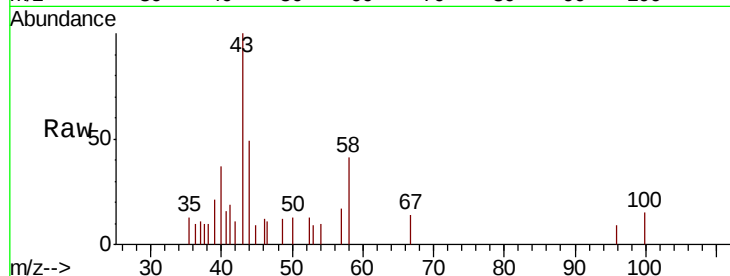




#59
2-Hexanone
Concen: 0.382 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX011069.D
Acq: 25 Jul 2019 11:46

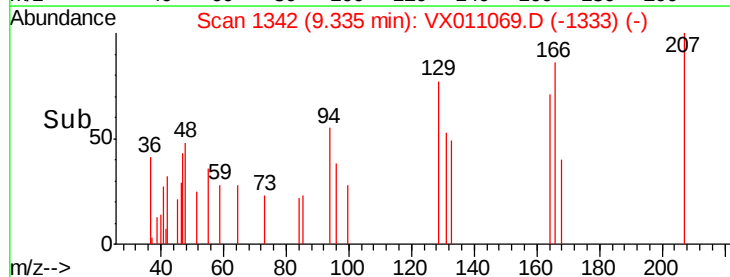
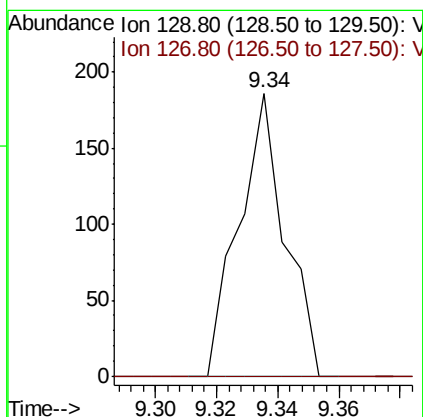
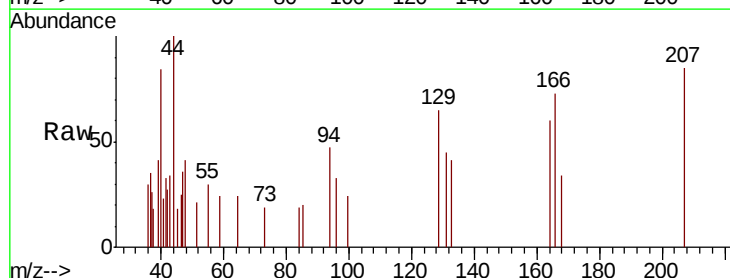
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-98-100

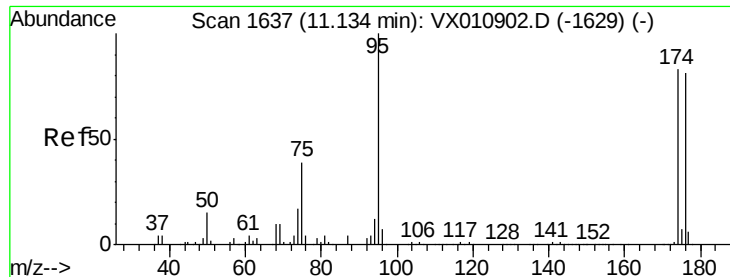
Tot Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
58 63.5 28.0 83.9



#60
Dibromochloromethane
Concen: 2.598 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX011069.D
Acq: 25 Jul 2019 11:46

Tgt Ion: 129 Resp: 194
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 48.887 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-98-100

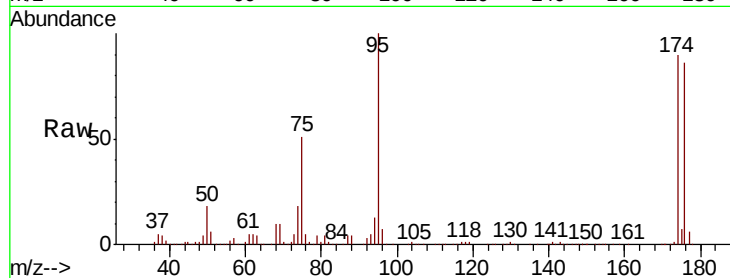
Tot Ion: 95 Resp: 142869

Ion Ratio Lower Upper

95 100

174 92.1 0.0 180.6

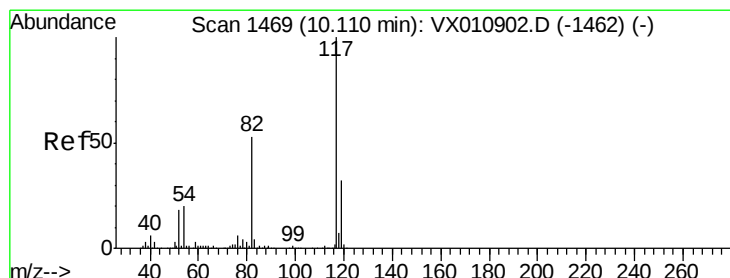
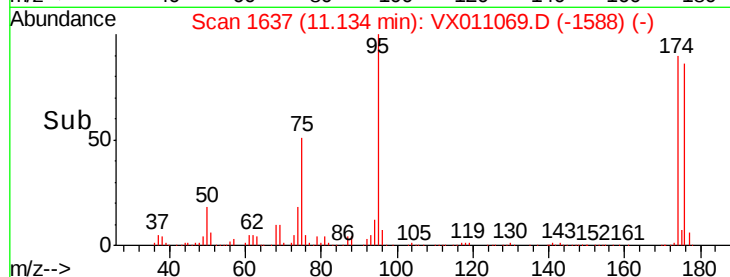
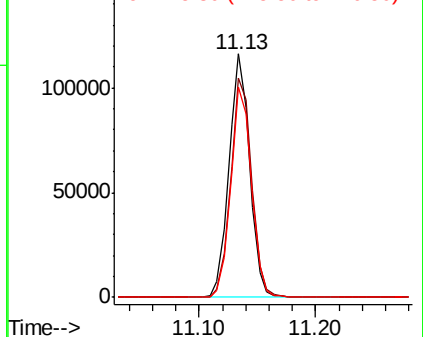
176 87.2 0.0 173.8



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: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

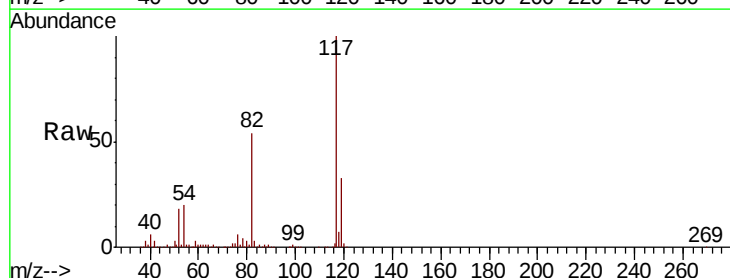
Tgt Ion: 117 Resp: 309098

Ion Ratio Lower Upper

117 100

82 53.6 42.6 63.8

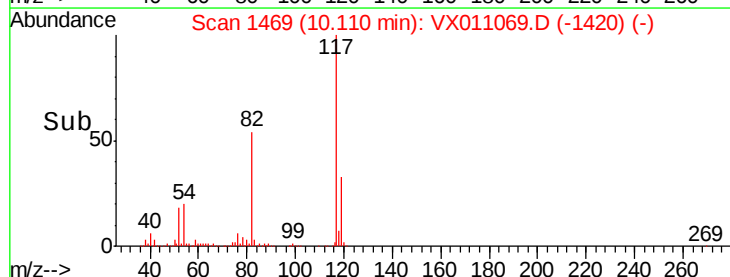
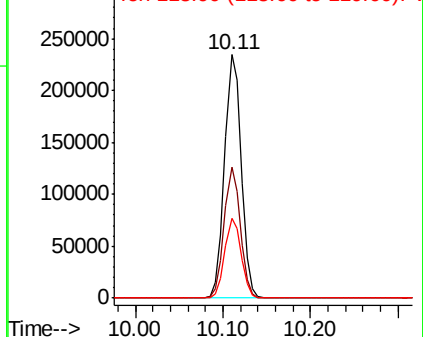
119 33.0 25.9 38.9

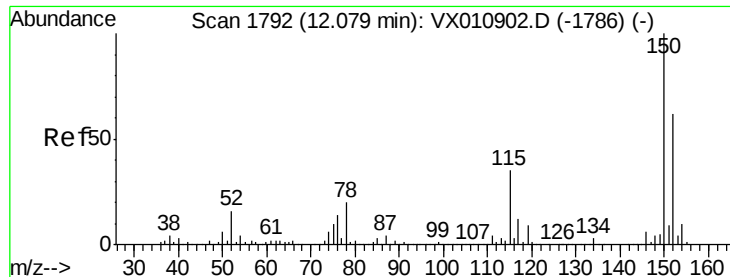


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-98-100

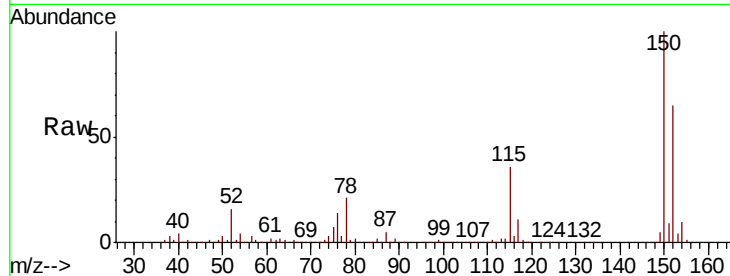
Tot Ion:152 Resp: 145707

Ion Ratio Lower Upper

152 100

115 56.1 39.7 119.1

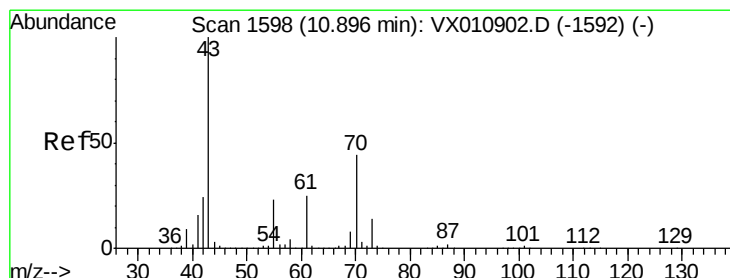
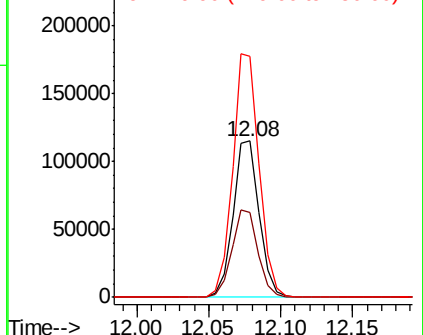
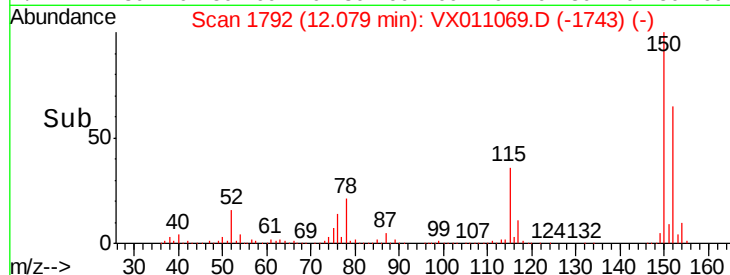
150 157.3 0.0 345.6



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



#74

N-ethyl acetate

Concen: 0.246 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX011069.D

Acq: 25 Jul 2019 11:46

Tgt Ion: 43 Resp: 927

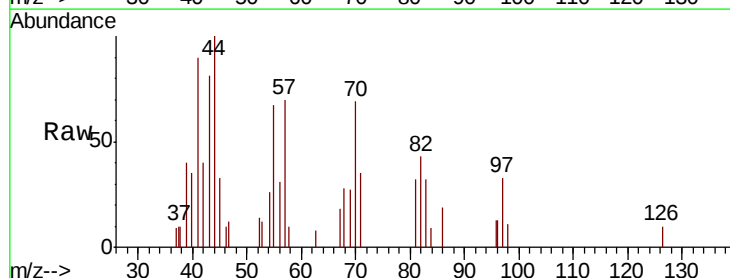
Ion Ratio Lower Upper

43 100

70 107.2 34.7 52.1#

55 124.8 19.1 28.7#

61 0.0 19.9 29.9#

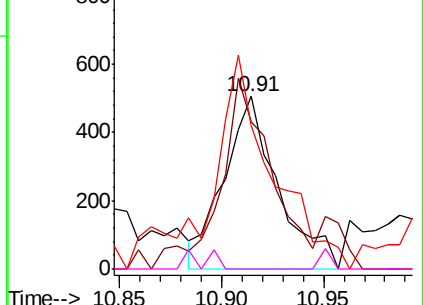
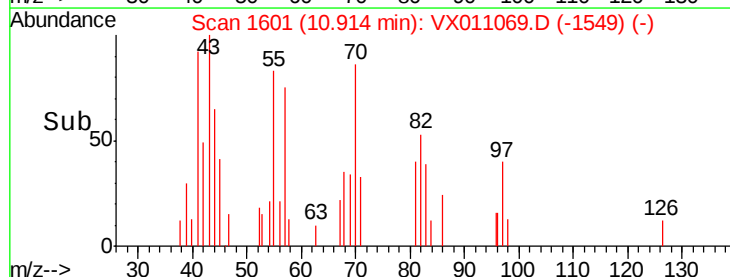


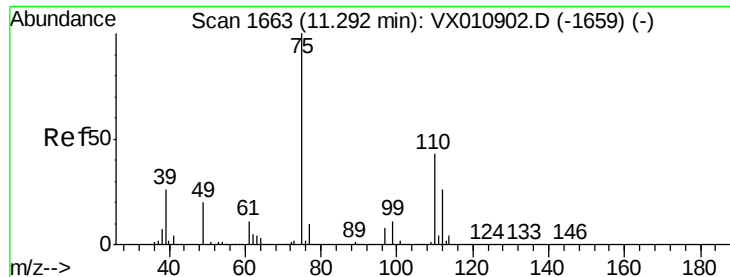
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

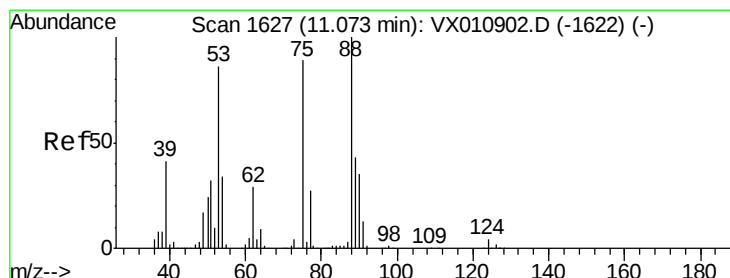
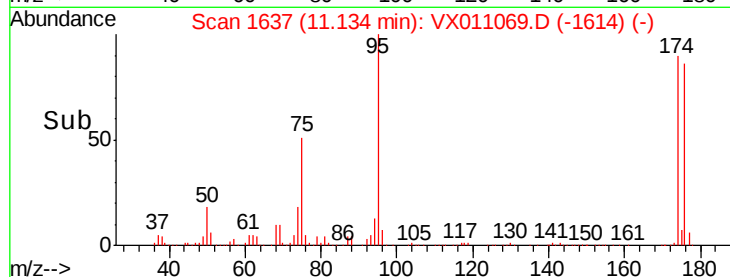
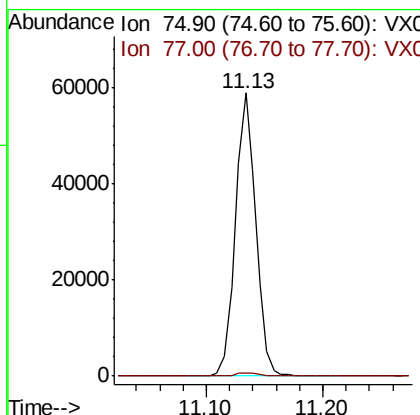
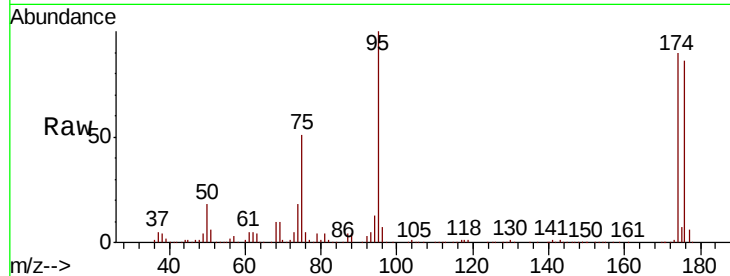




#76
 1,2,3-Trichloropropane
 Concen: 27.273 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011069.D
 Acq: 25 Jul 2019 11:46

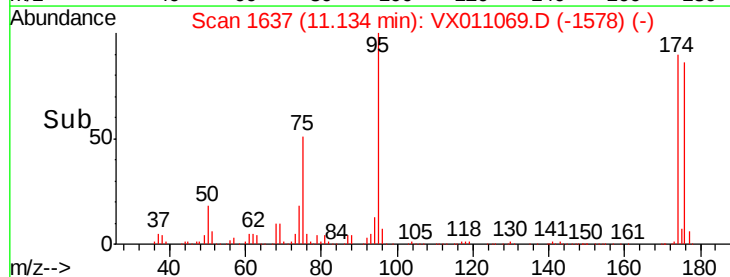
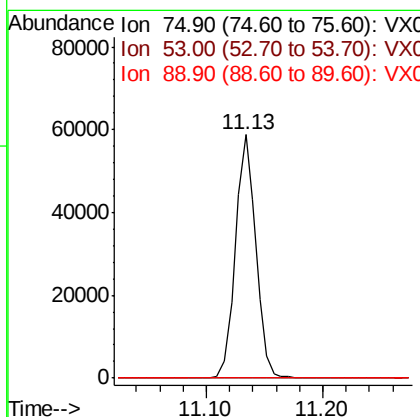
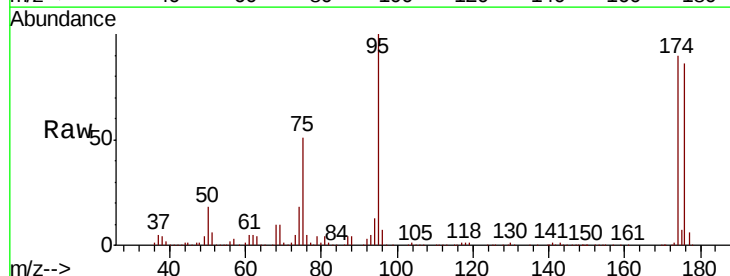
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-98-100

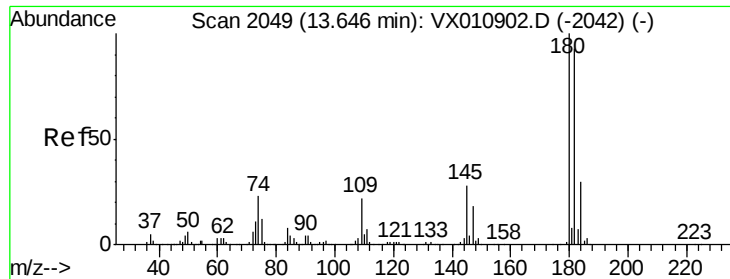
Tot Ion: 75 Resp: 71711
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.578 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011069.D
 Acq: 25 Jul 2019 11:46

Tgt Ion: 75 Resp: 71711
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.7 115.1#
 89 0.1 38.5 57.7#

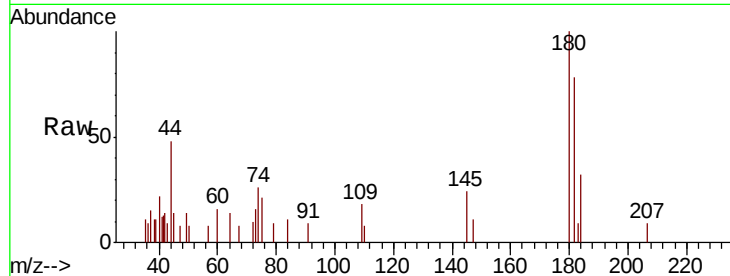




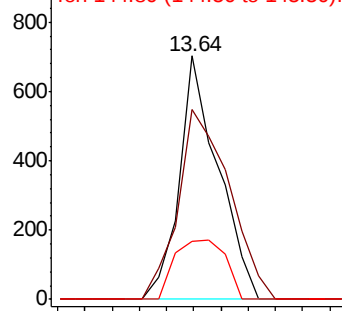
#93
 1,2,4-Trichlorobenzene
 Concen: 0.220 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011069.D
 Acq: 25 Jul 2019 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-98-100

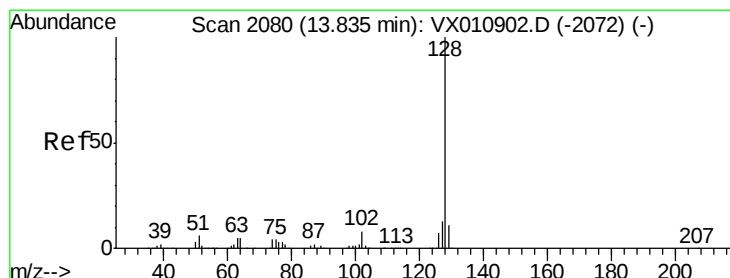
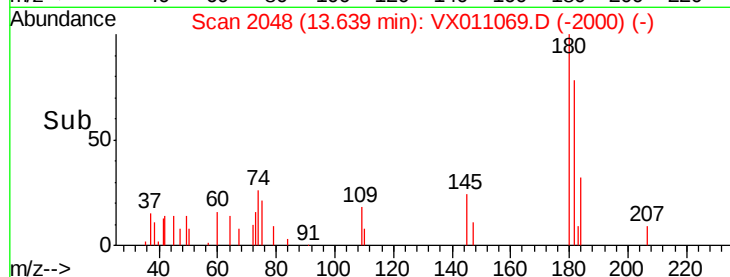
Tot Ion:180 Resp: 695
 Ion Ratio Lower Upper
 180 100
 182 102.6 47.1 141.3
 145 31.8 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

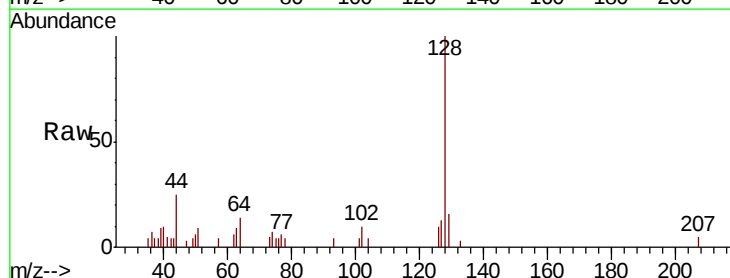


Time-->

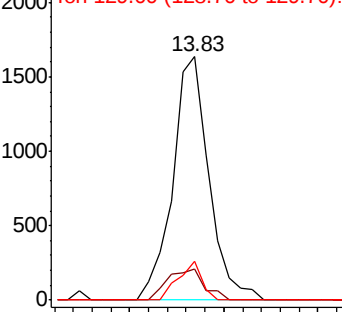


#95
 Naphthalene
 Concen: 0.233 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX011069.D
 Acq: 25 Jul 2019 11:46

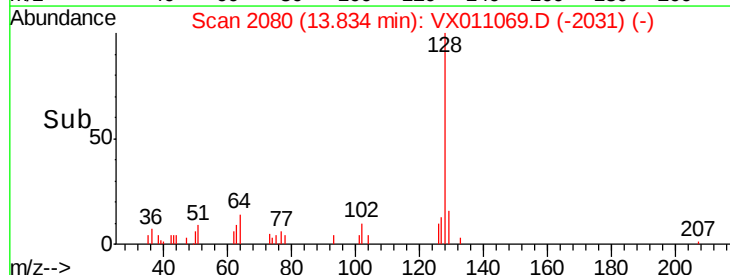
Tgt Ion:128 Resp: 2175
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 10.3 8.9 13.3

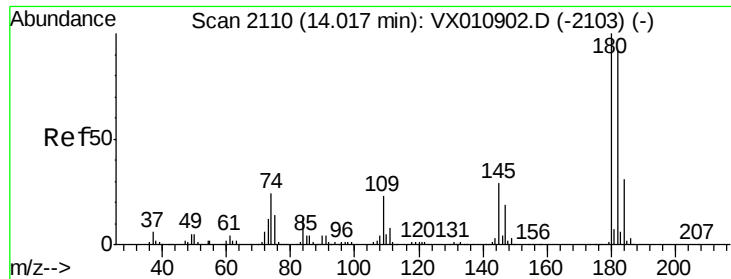


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->

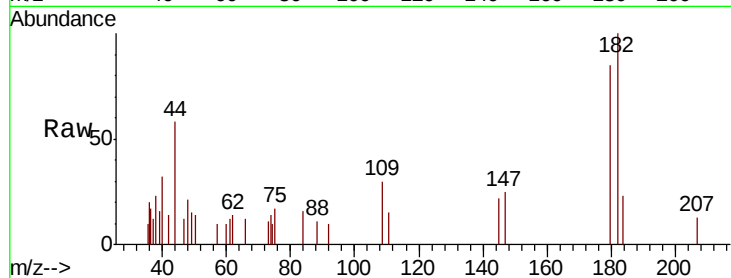




#96
 1,2,3-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.01 min
 Lab File: VX011069.D
 Acq: 25 Jul 2019 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-98-100

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.8	47.4	142.3
145	31.2	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

