

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009487.D
 Acq On : 10 May 2019 17:42
 Operator : JC/SP
 Sample : K2786-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-TB-20190507

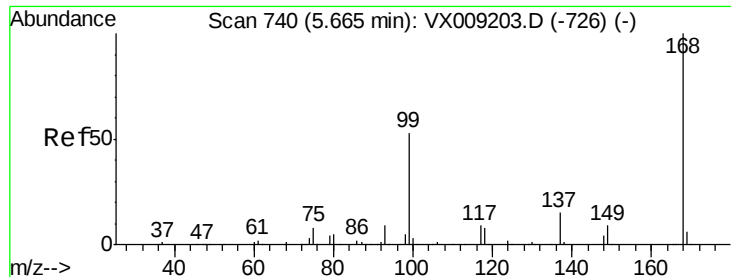
Quant Time: May 11 03:29:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	182093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	290083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111448	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	118890	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
35) Dibromofluoromethane	5.50	113	87349	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
50) Toluene-d8	8.71	98	362269	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.13	95	121650	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	474	0.207	ug/l #	64
6) Chloroethane	1.74	64	536	0.374	ug/l #	53
10) Methyl Iodide	2.52	142	347	4.753	ug/l #	79
11) Tert butyl alcohol	3.01	59	1181	2.052	ug/l #	73
13) Acrolein	2.29	56	203	0.390	ug/l #	19
15) Acrylonitrile	3.15	53	469	0.333	ug/l #	27
16) Acetone	2.45	43	9102	6.819	ug/l	99
17) Carbon Disulfide	2.57	76	1136	0.237	ug/l	95
18) Methyl Acetate	2.80	43	670	0.211	ug/l #	56
20) Methylene Chloride	2.85	84	1147	0.531	ug/l	88
25) 2-Butanone	4.69	43	1700	0.820	ug/l #	86
28) Bromochloromethane	5.01	49	93	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1434	1.074	ug/l #	86
31) Cyclohexane	5.66	56	3947	1.074	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13323	4.942	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17123	6.991	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	61356	23.734	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61356	60.726	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

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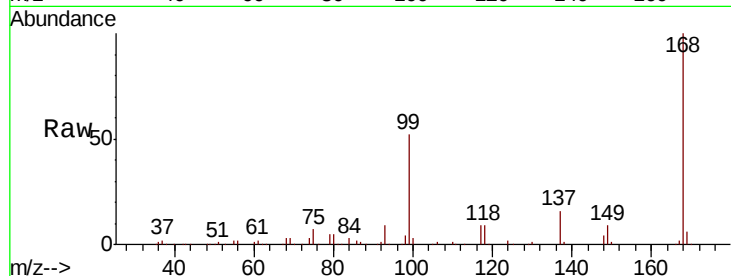
BP-VPB202-TB-20190507

Tot Ion:168 Resp: 182093

Ion Ratio Lower Upper

168 100

99 51.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

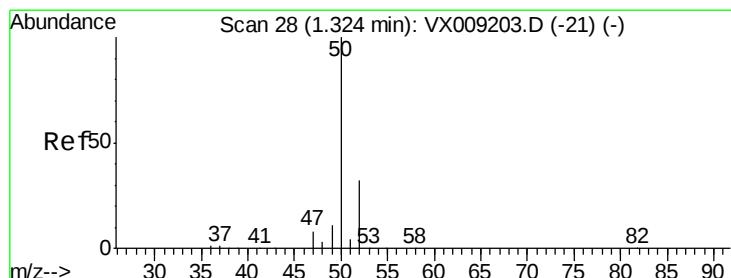
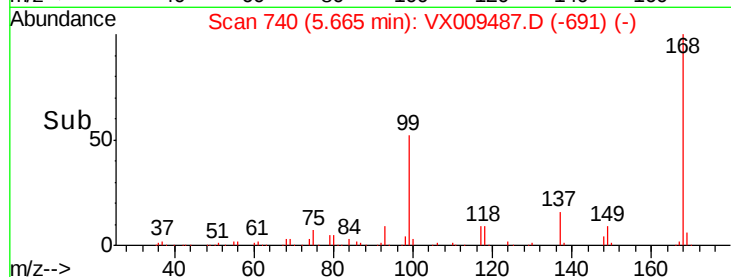
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009487.D

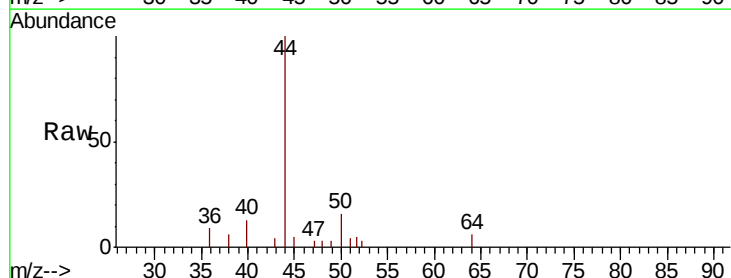
Acq: 10 May 2019 17:42

Tgt Ion: 50 Resp: 474

Ion Ratio Lower Upper

50 100

52 52.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

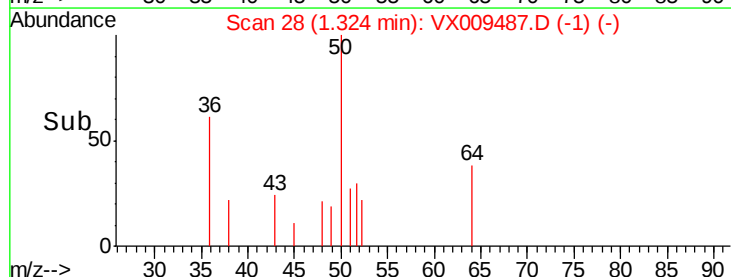
200

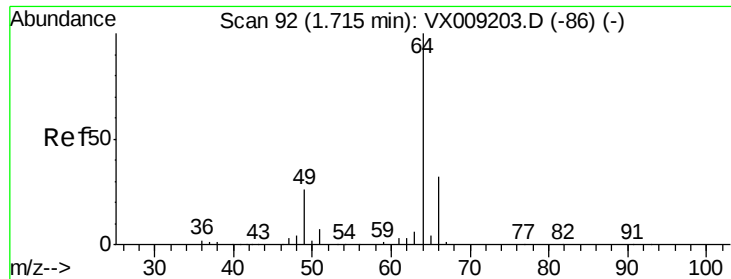
100

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: 0.374 ug/l

RT: 1.74 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

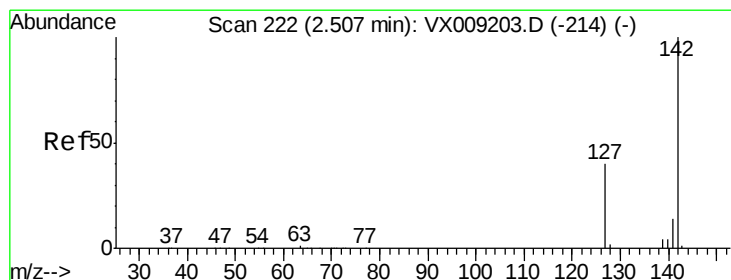
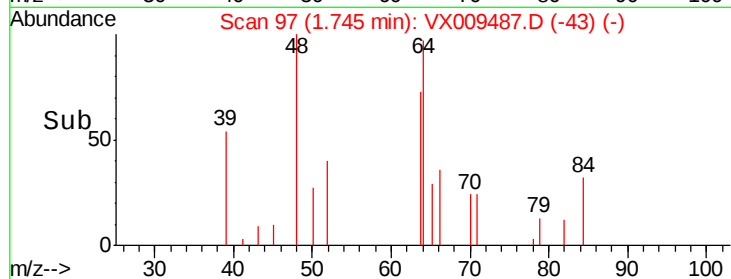
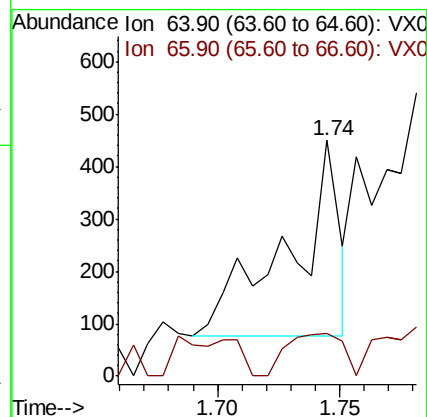
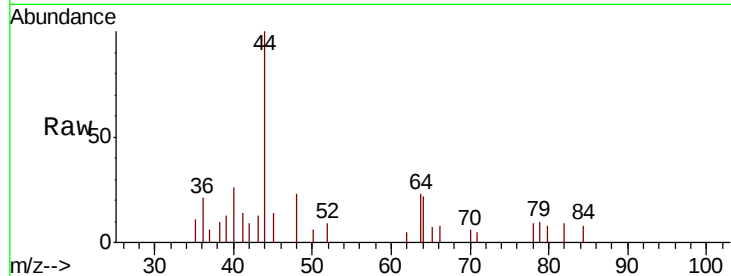
BP-VPB202-TB-20190507

Tot Ion: 64 Resp: 536

Ion Ratio Lower Upper

64 100

66 5.6 25.3 37.9#



#10

Methyl Iodide

Concen: 4.753 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

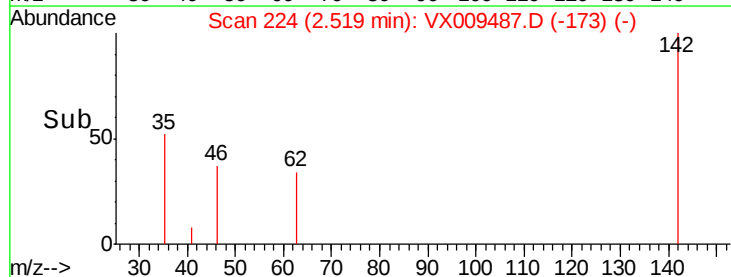
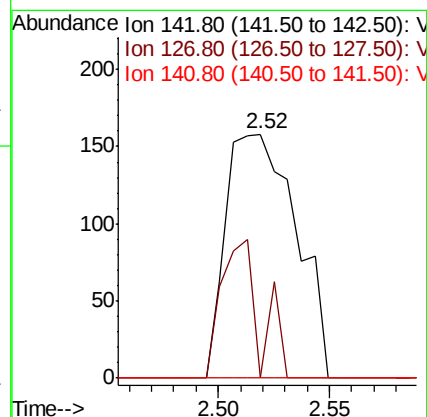
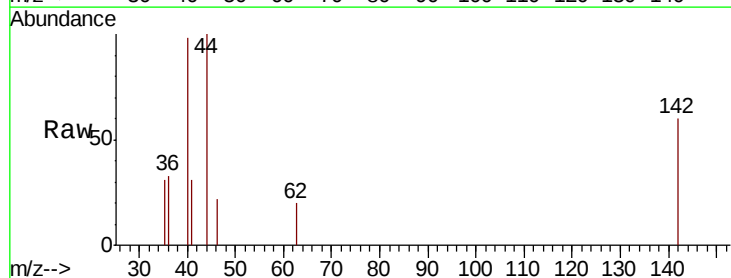
Tgt Ion: 142 Resp: 347

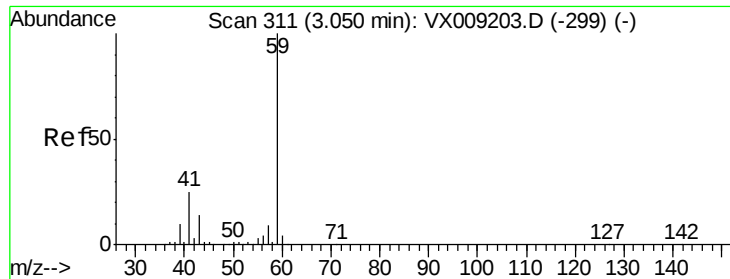
Ion Ratio Lower Upper

142 100

127 30.8 32.7 49.1#

141 0.0 11.5 17.3#



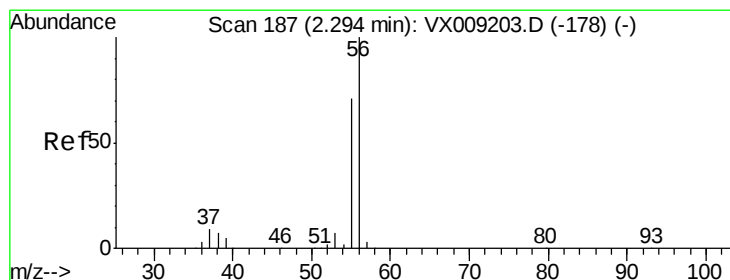
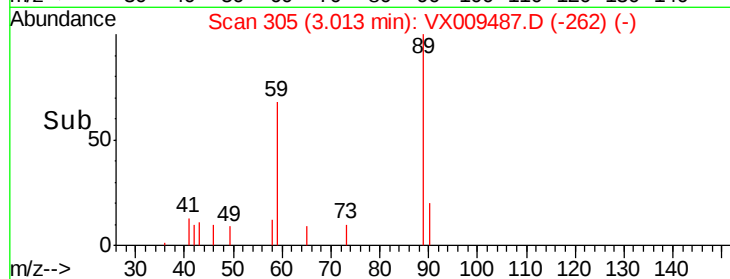
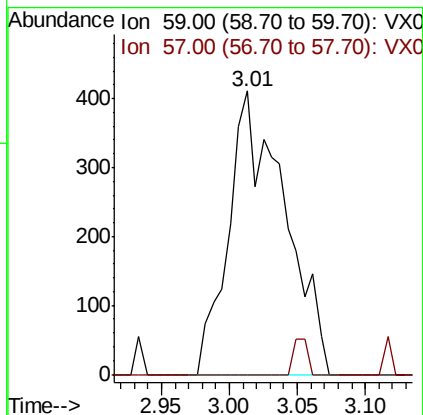
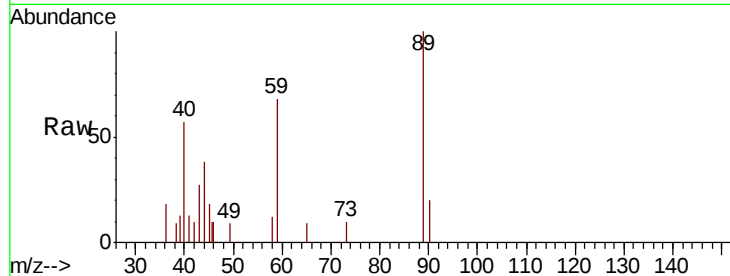


#11

Tert butyl alcohol
 Concen: 2.052 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX009487.D
 Acq: 10 May 2019 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-TB-20190507

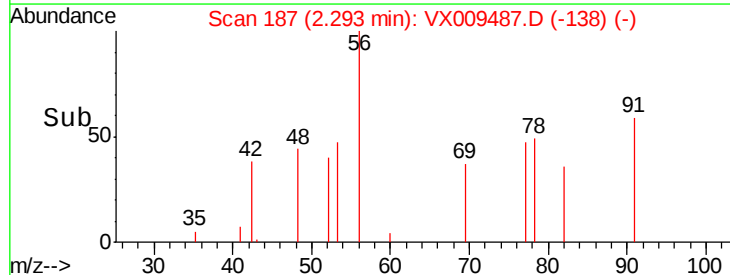
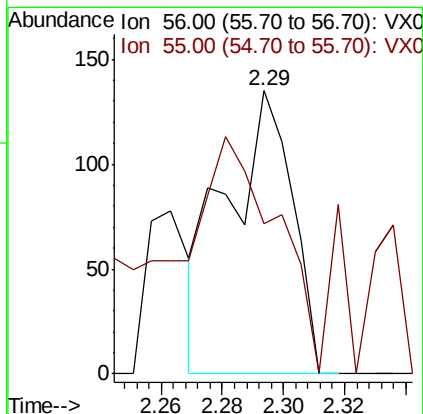
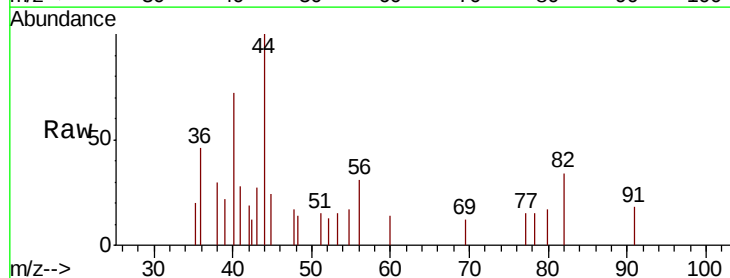
Tot Ion: 59 Resp: 1181
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

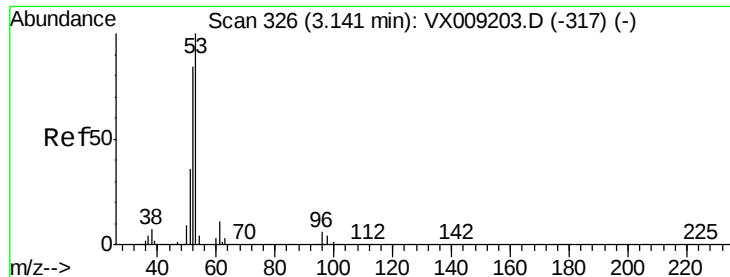


#13

Acrolein
 Concen: 0.390 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009487.D
 Acq: 10 May 2019 17:42

Tgt Ion: 56 Resp: 203
 Ion Ratio Lower Upper
 56 100
 55 137.4 56.6 85.0#





#15

Acrylonitrile

Concen: 0.333 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190507

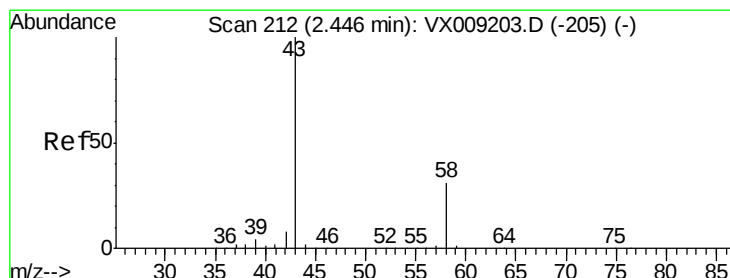
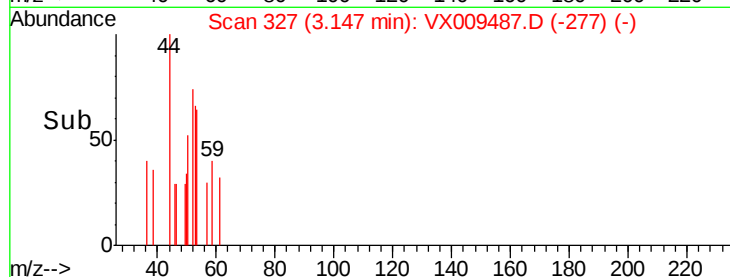
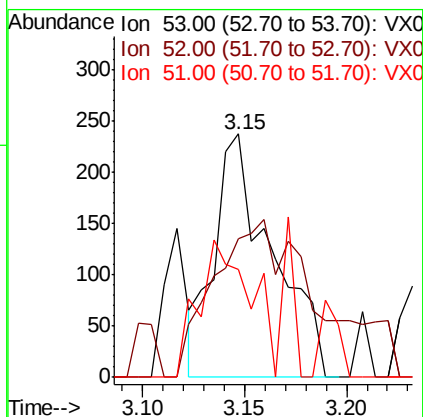
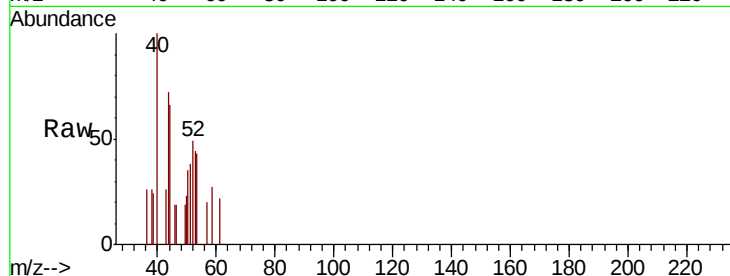
Tot Ion: 53 Resp: 469

Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 51.2 28.2 42.2#



#16

Acetone

Concen: 6.819 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009487.D

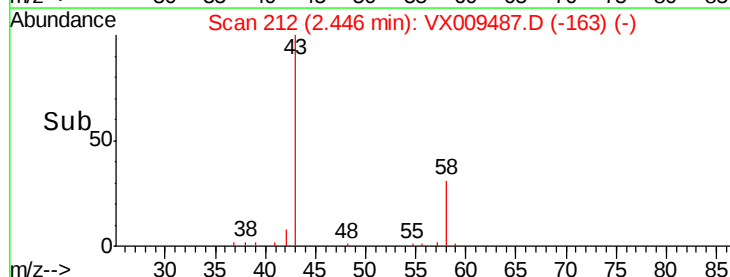
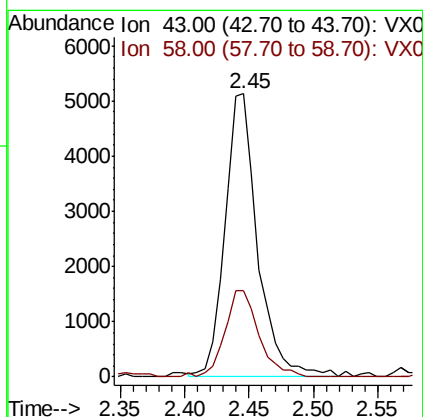
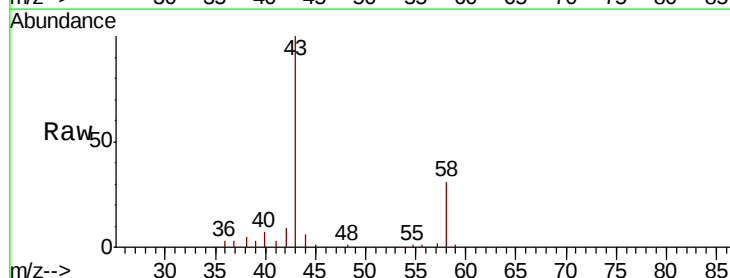
Acq: 10 May 2019 17:42

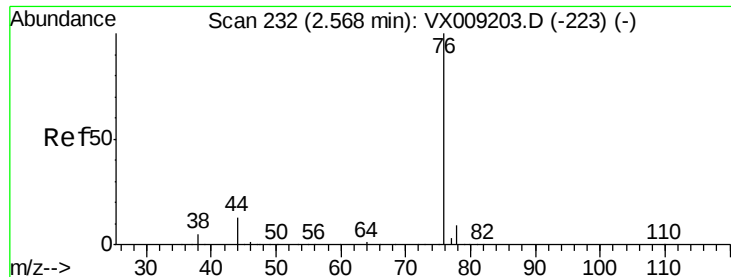
Tgt Ion: 43 Resp: 9102

Ion Ratio Lower Upper

43 100

58 30.7 24.9 37.3





#17

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

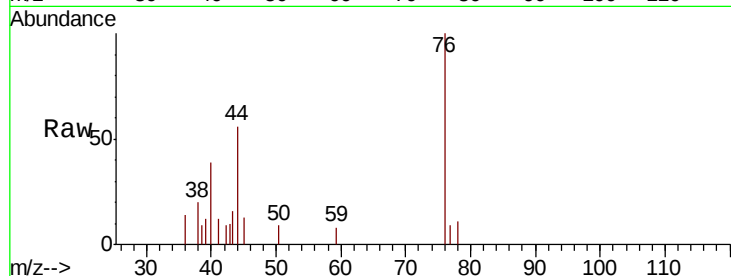
BP-VPB202-TB-20190507

Tot Ion: 76 Resp: 1136

Ion Ratio Lower Upper

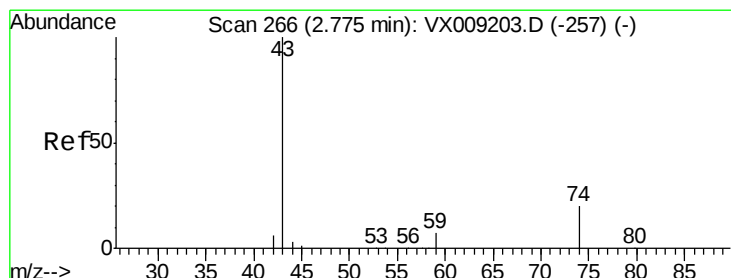
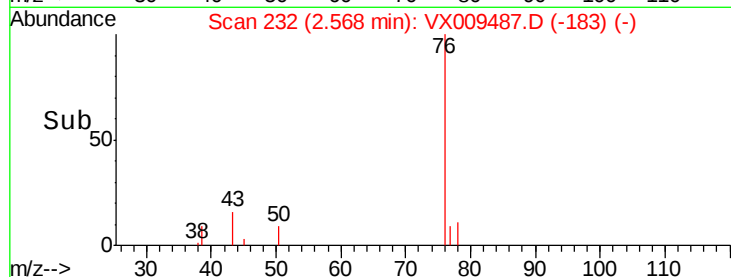
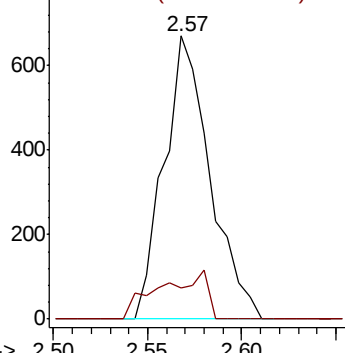
76 100

78 10.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX009487.D

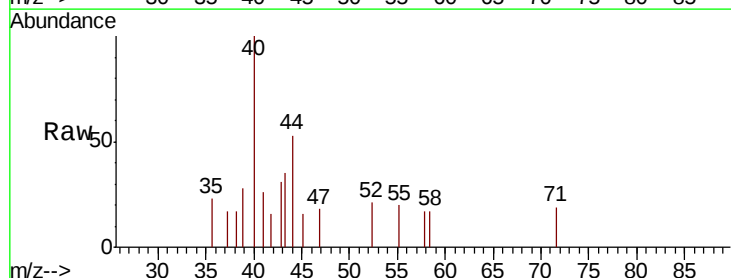
Acq: 10 May 2019 17:42

Tgt Ion: 43 Resp: 670

Ion Ratio Lower Upper

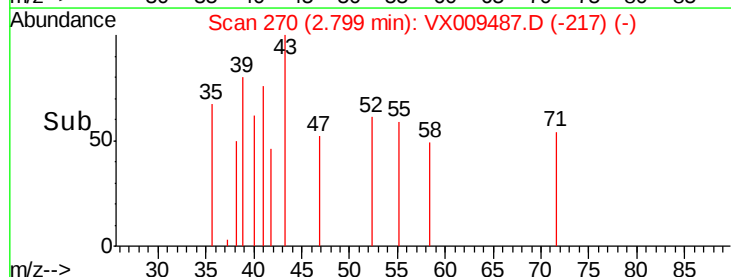
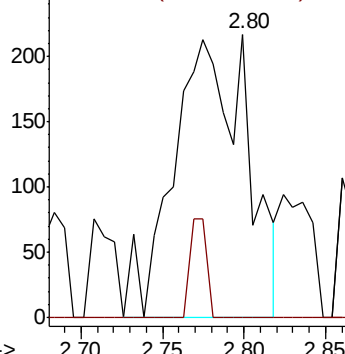
43 100

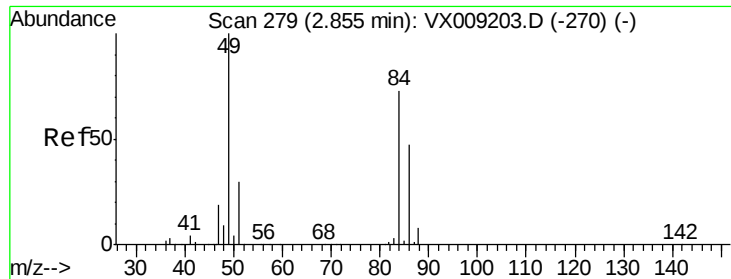
74 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

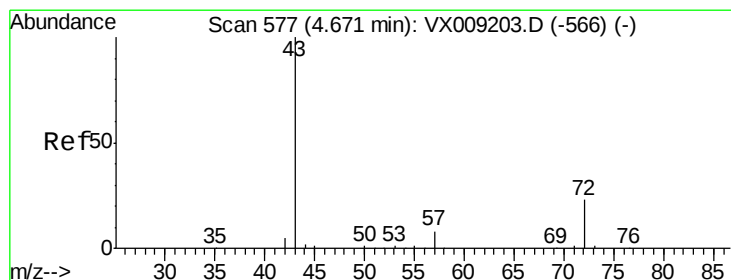
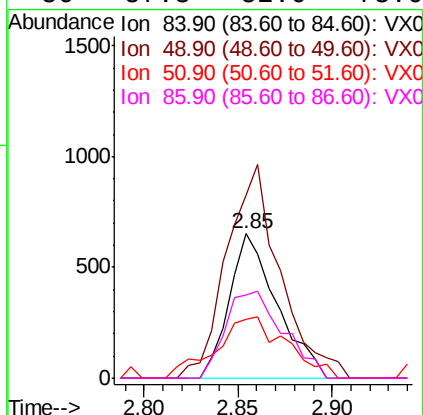
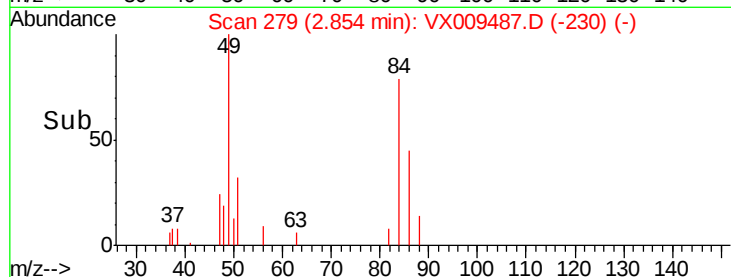
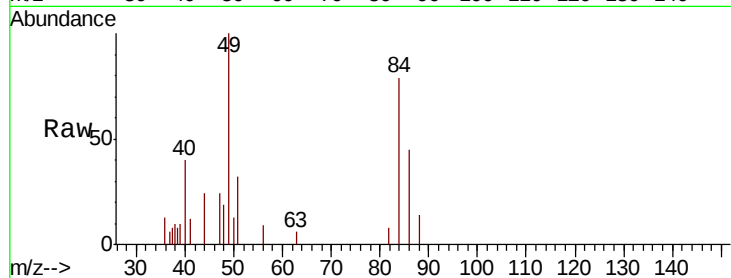




#20
Methvlene Chloride
Concen: 0.531 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009487.D
Acq: 10 May 2019 17:42

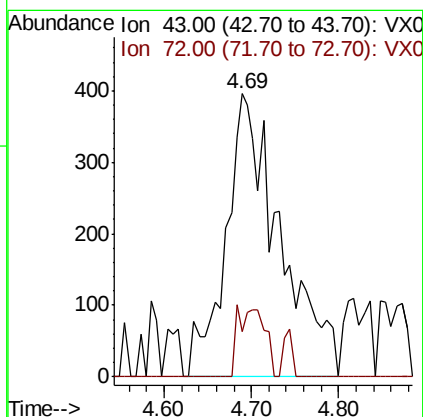
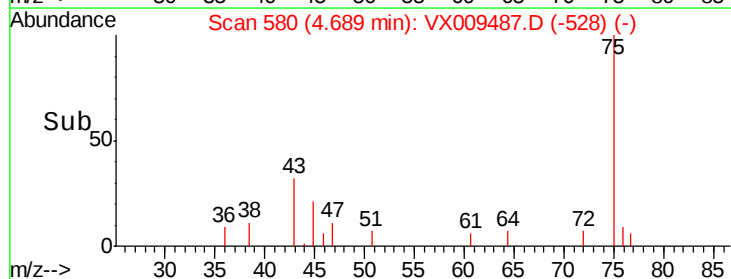
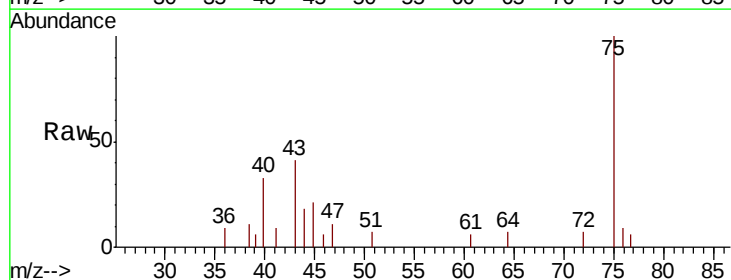
Instrument :
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BP-VPB202-TB-20190507

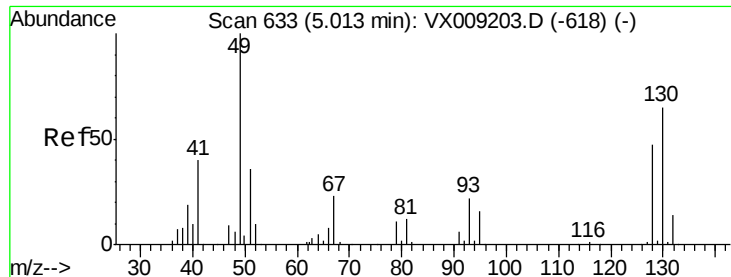
Tot Ion:	84	Resp:	1147
Ion	Ratio	Lower	Upper
84	100		
49	118.4	109.9	164.9
51	40.4	32.7	49.1
86	57.3	52.0	78.0



#25
2-Butanone
Concen: 0.820 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009487.D
Acq: 10 May 2019 17:42

Tgt Ion:	43	Resp:	1700
Ion	Ratio	Lower	Upper
43	100		
72	16.2	18.2	27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190507

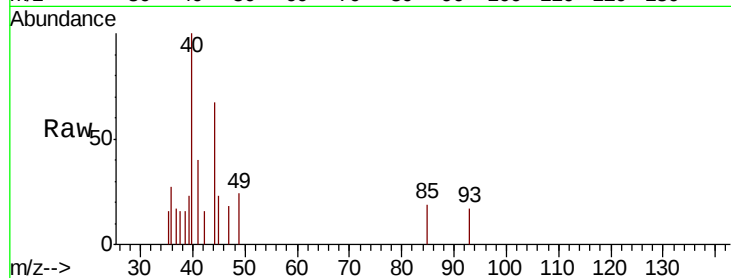
Tot Ion: 49 Resp: 93

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

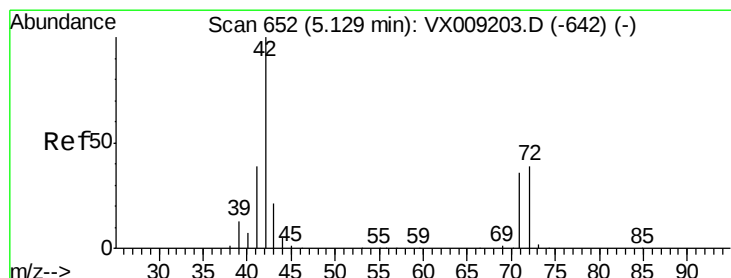
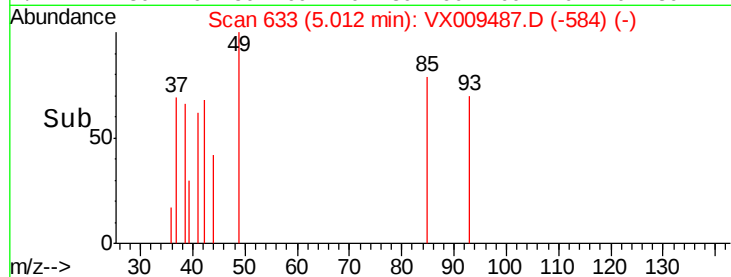
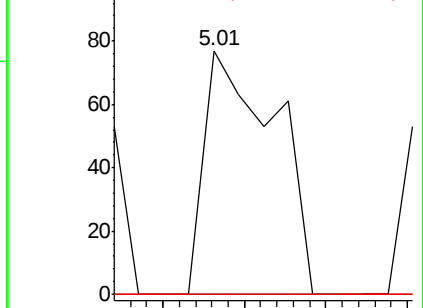
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.074 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

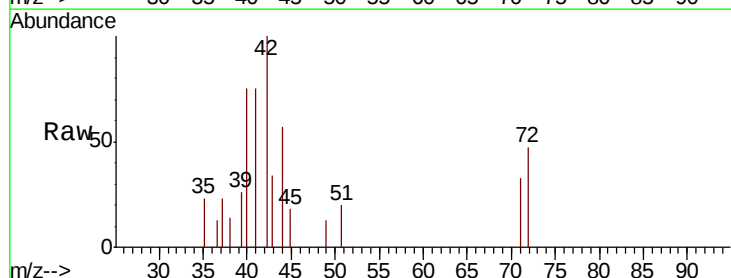
Tgt Ion: 42 Resp: 1434

Ion Ratio Lower Upper

42 100

72 37.2 30.4 45.6

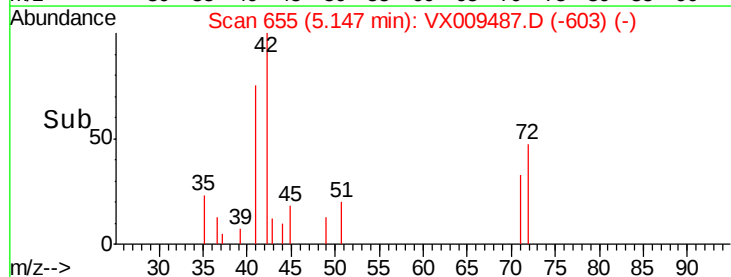
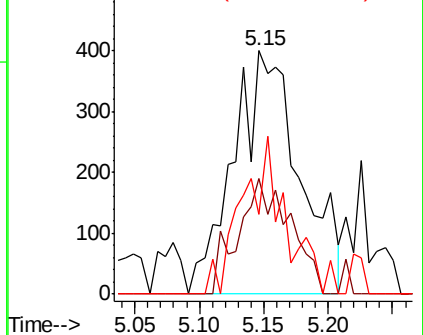
71 19.9 28.6 43.0#

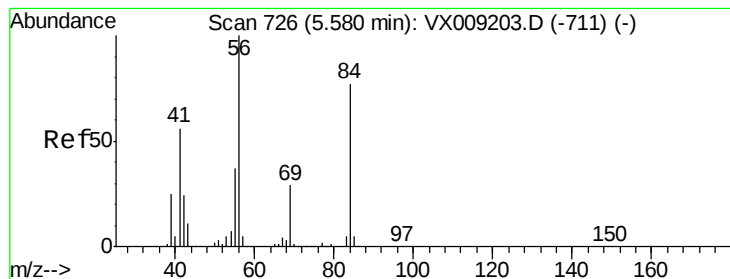


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.074 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190507

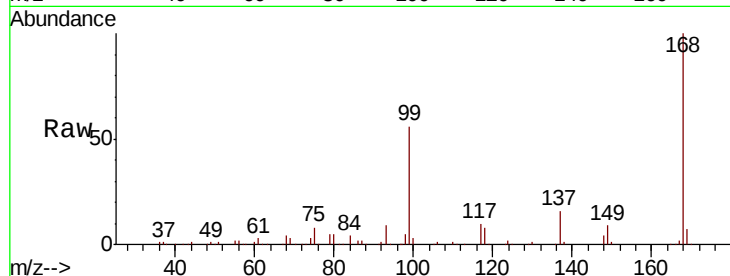
Tot Ion: 56 Resp: 3947

Ion Ratio Lower Upper

56 100

69 147.2 23.4 35.0#

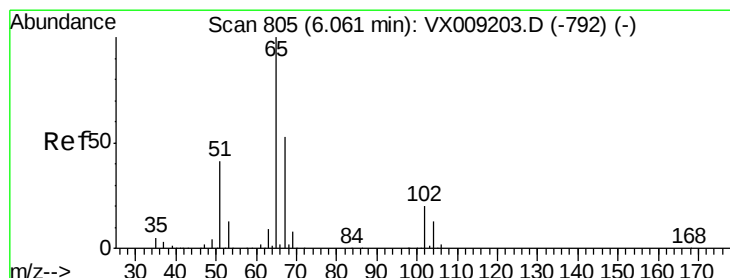
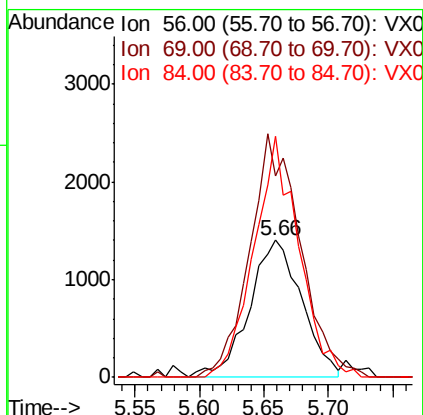
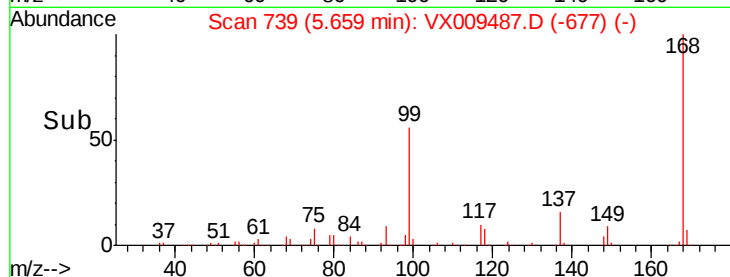
84 176.3 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.828 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009487.D

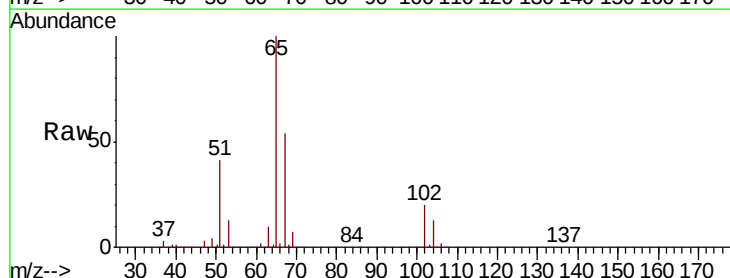
Acq: 10 May 2019 17:42

Tgt Ion: 65 Resp: 118890

Ion Ratio Lower Upper

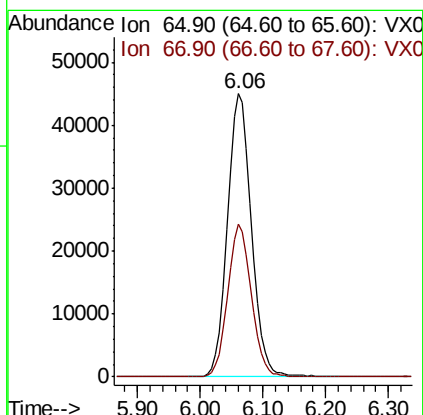
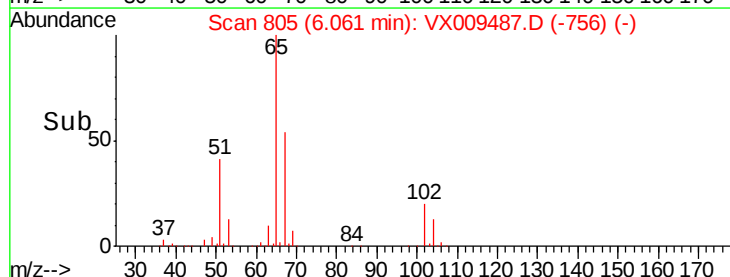
65 100

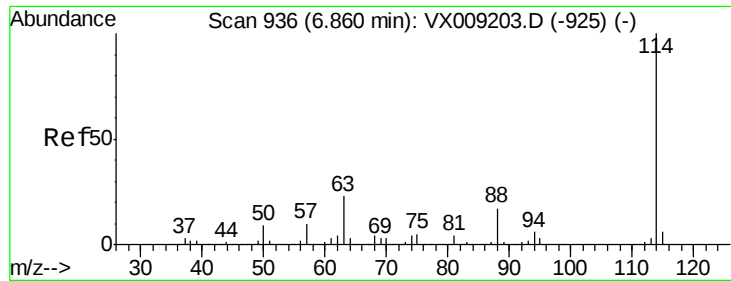
67 53.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

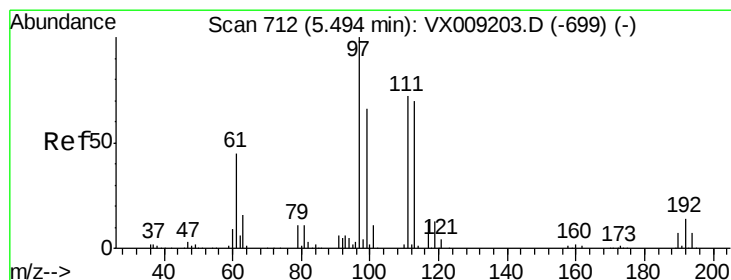
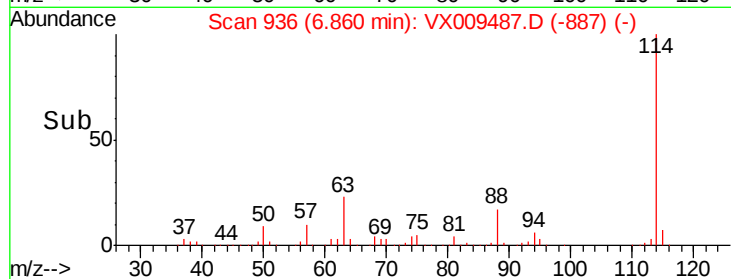
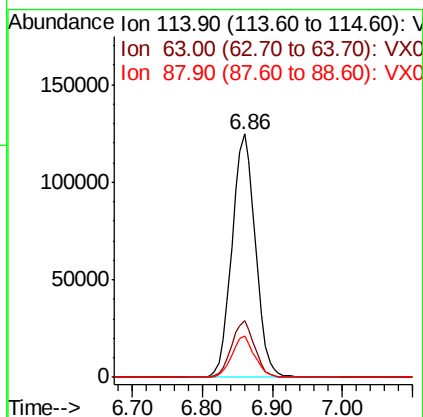
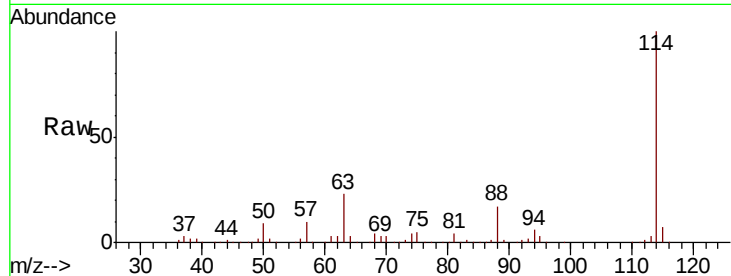




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009487.D
Acq: 10 May 2019 17:42

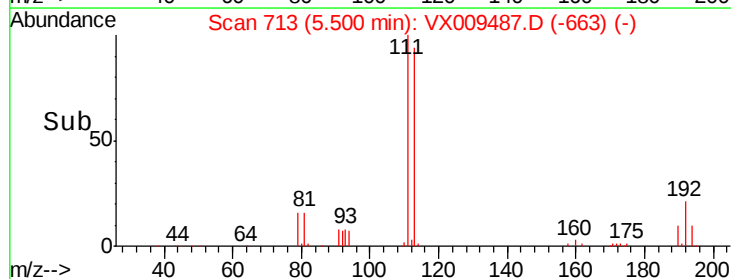
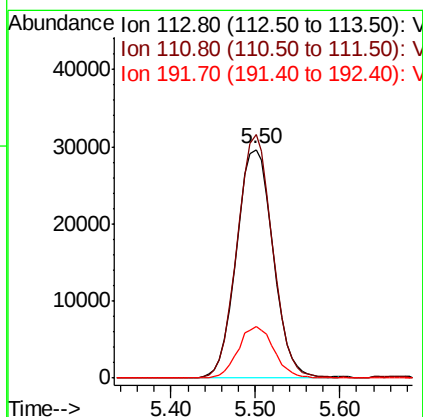
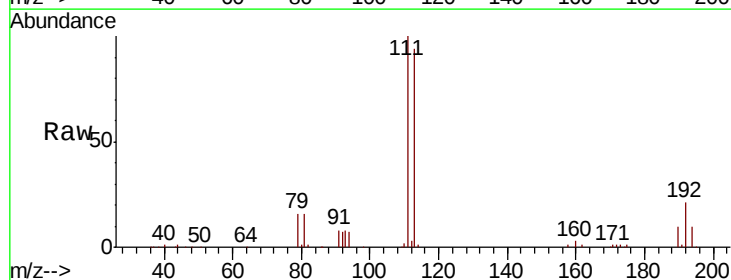
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-TB-20190507

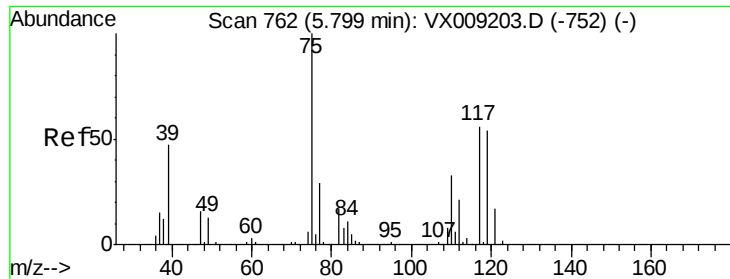
Tot Ion:114 Resp: 290083
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.6
88 16.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.900 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009487.D
Acq: 10 May 2019 17:42

Tgt Ion:113 Resp: 87349
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 22.0 17.0 25.6

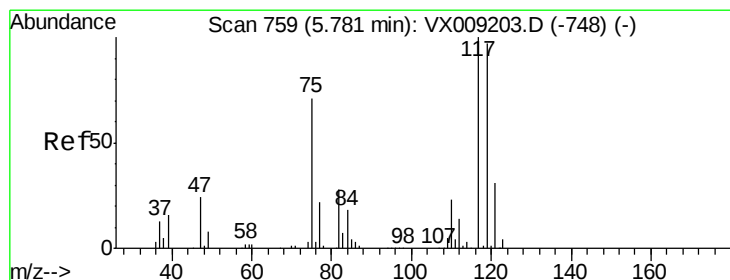
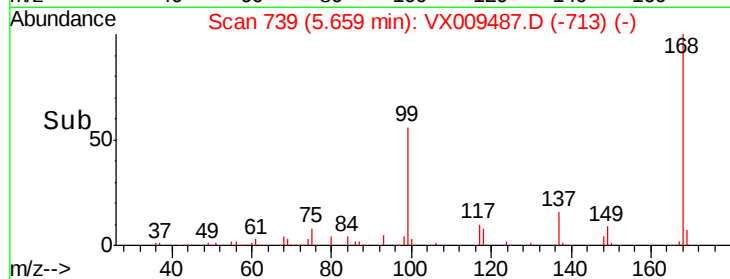
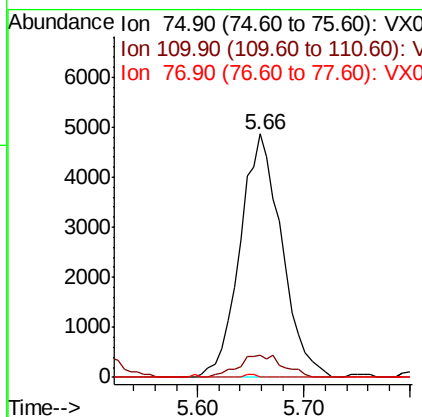
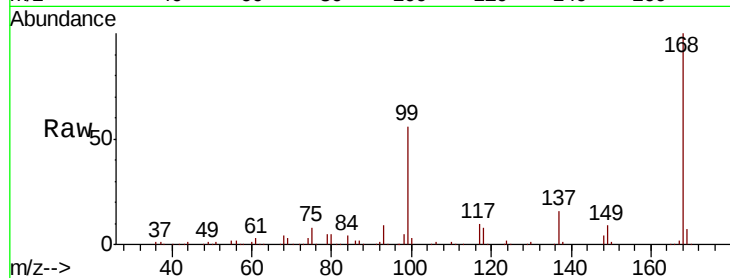




#36
 1,1-Dichloropropene
 Concen: 4.942 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009487.D
 Acq: 10 May 2019 17:42

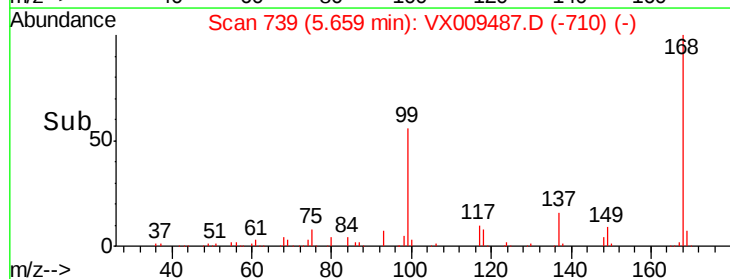
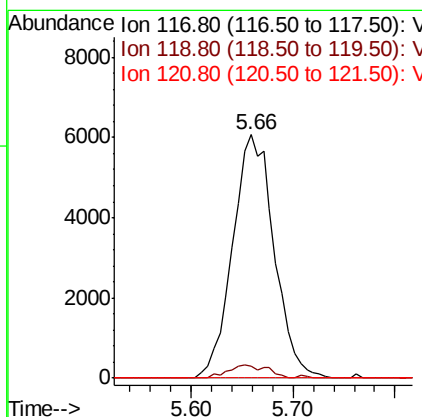
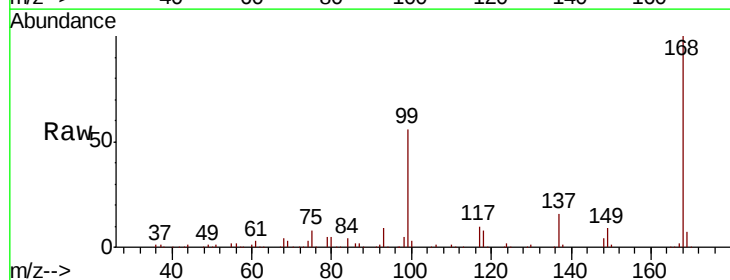
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-TB-20190507

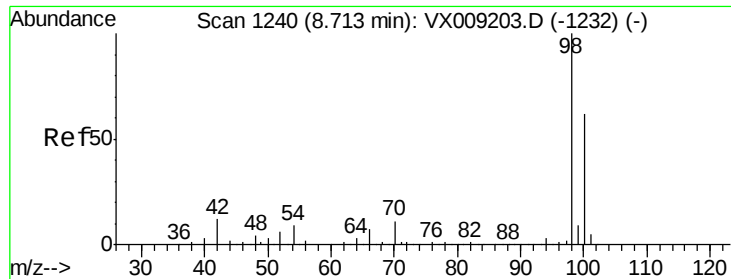
Tot Ion	75	Resp	13323
Ion Ratio	Lower	Upper	
75	100		
110	9.7	16.9	50.6#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.991 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009487.D
 Acq: 10 May 2019 17:42

Tgt Ion	117	Resp	17123
Ion Ratio	Lower	Upper	
117	100		
119	5.0	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 49.206 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

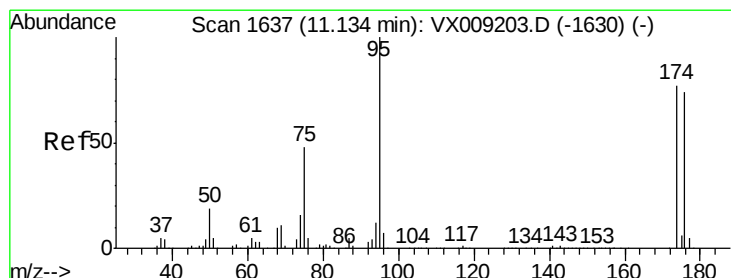
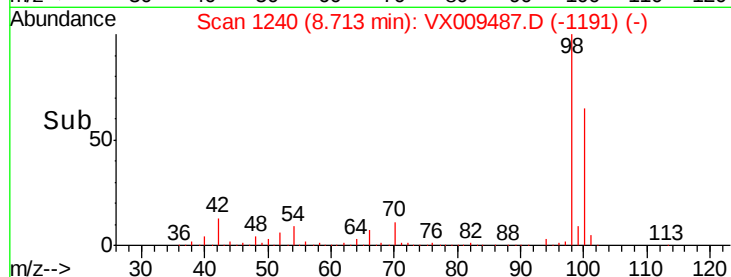
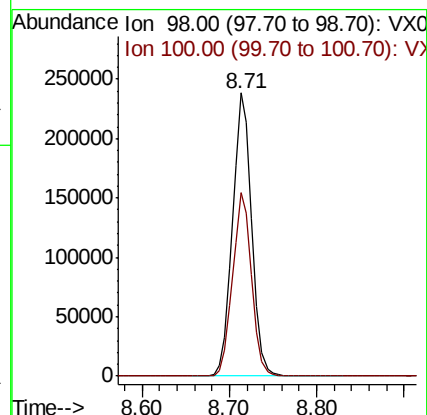
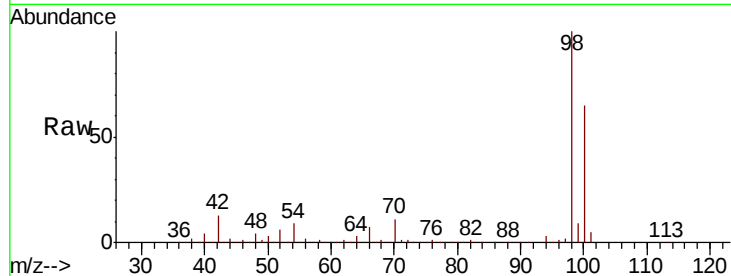
BP-VPB202-TB-20190507

Tot Ion: 98 Resp: 362269

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 45.474 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

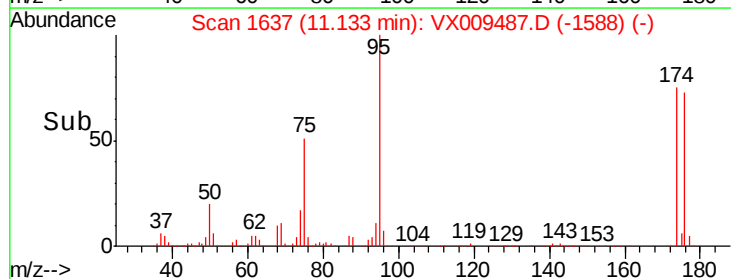
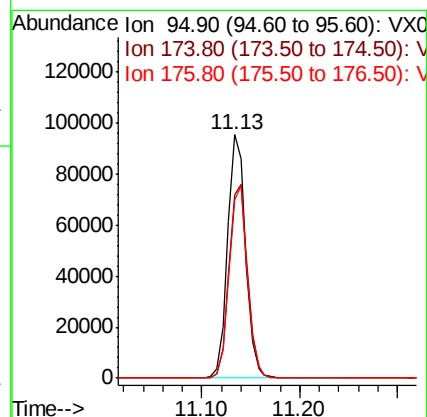
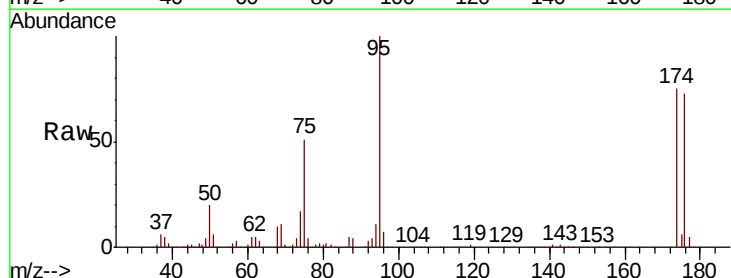
Tgt Ion: 95 Resp: 121650

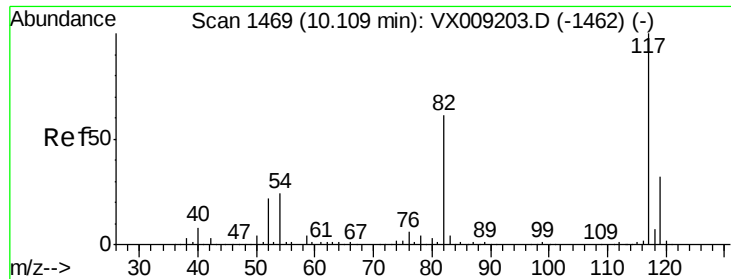
Ion Ratio Lower Upper

95 100

174 82.6 0.0 161.6

176 79.7 0.0 159.2

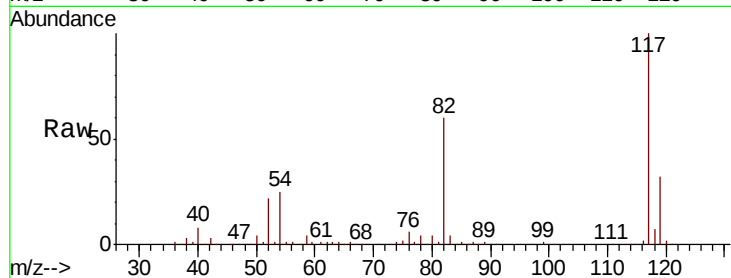




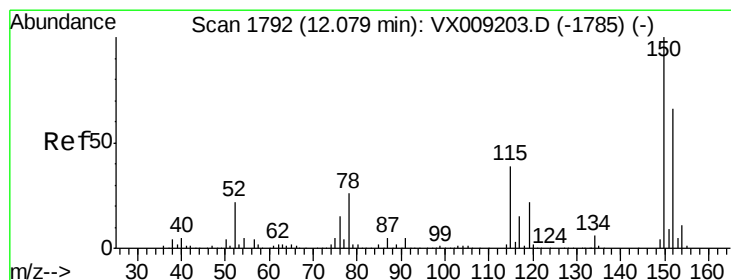
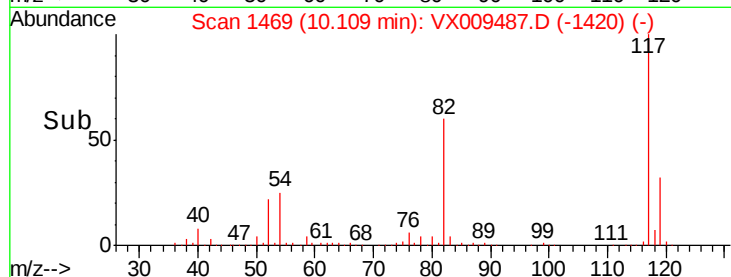
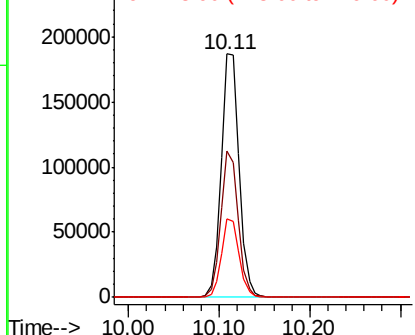
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009487.D
Acq: 10 May 2019 17:42

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-TB-20190507

Tot Ion:117 Resp: 255908
Ion Ratio Lower Upper
117 100
82 60.2 48.8 73.2
119 32.2 25.8 38.6

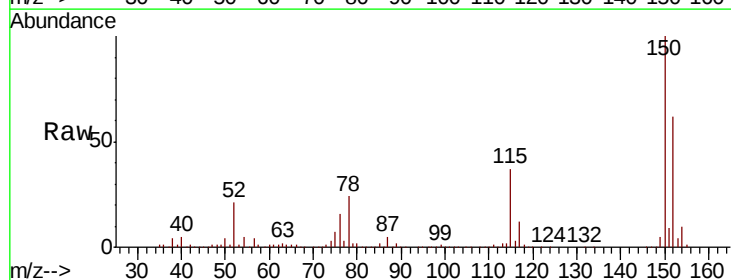


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

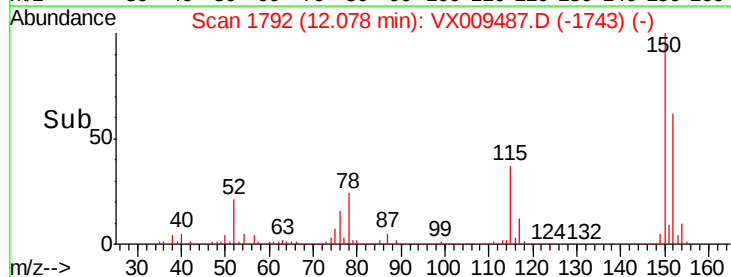
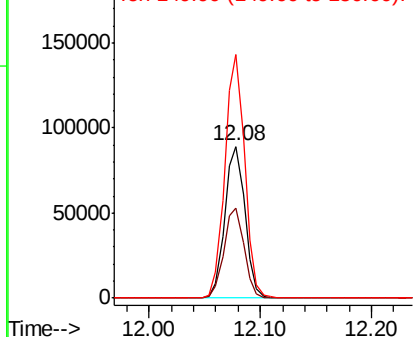


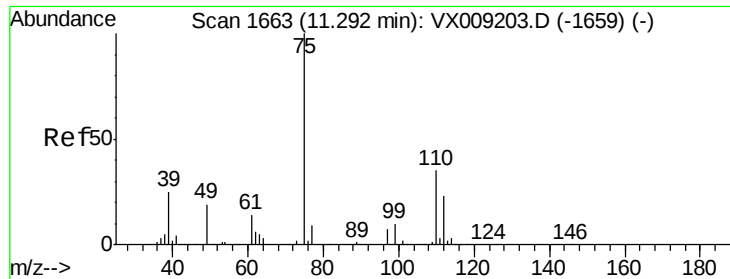
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009487.D
Acq: 10 May 2019 17:42

Tgt Ion:152 Resp: 111448
Ion Ratio Lower Upper
152 100
115 59.5 41.2 123.6
150 157.8 0.0 346.4



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: 23.734 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

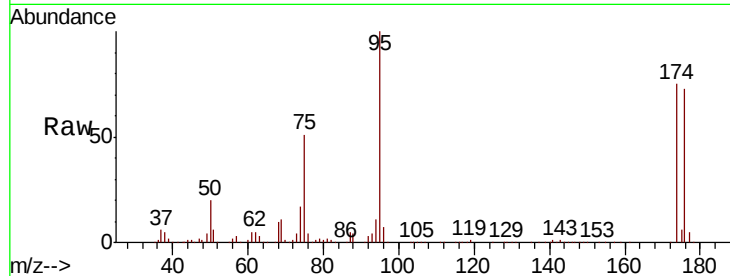
BP-VPB202-TB-20190507

Tot Ion: 75 Resp: 61356

Ion Ratio Lower Upper

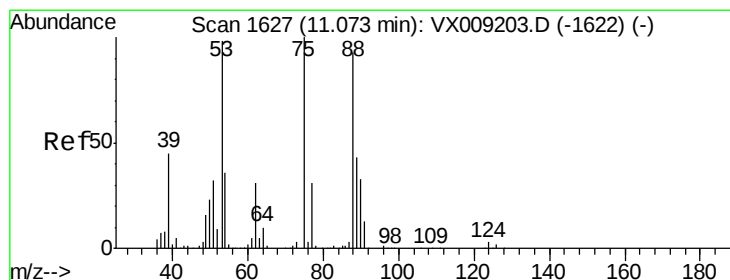
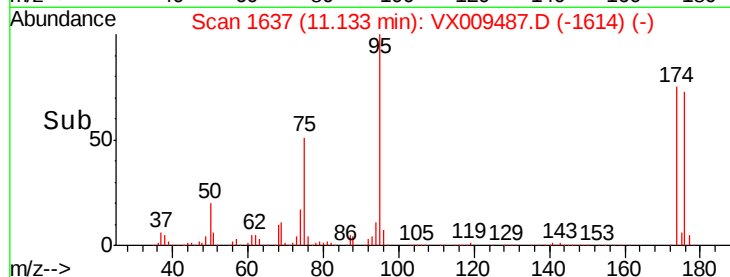
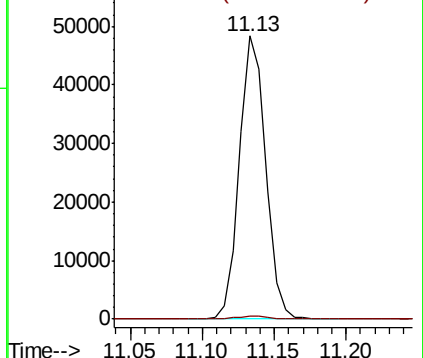
75 100

77 1.2 22.1 66.1#



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: 60.726 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009487.D

Acq: 10 May 2019 17:42

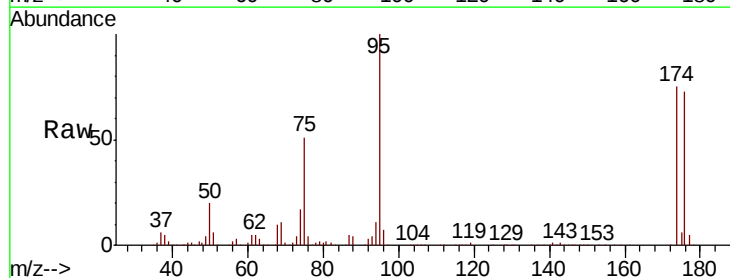
Tgt Ion: 75 Resp: 61356

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 34.7 52.1#



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

