

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081920\
 Data File : VX017974.D
 Acq On : 19 Aug 2020 11:09
 Operator : JC/SP
 Sample : L3717-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-TB-20200812

Quant Time: Aug 19 13:19:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

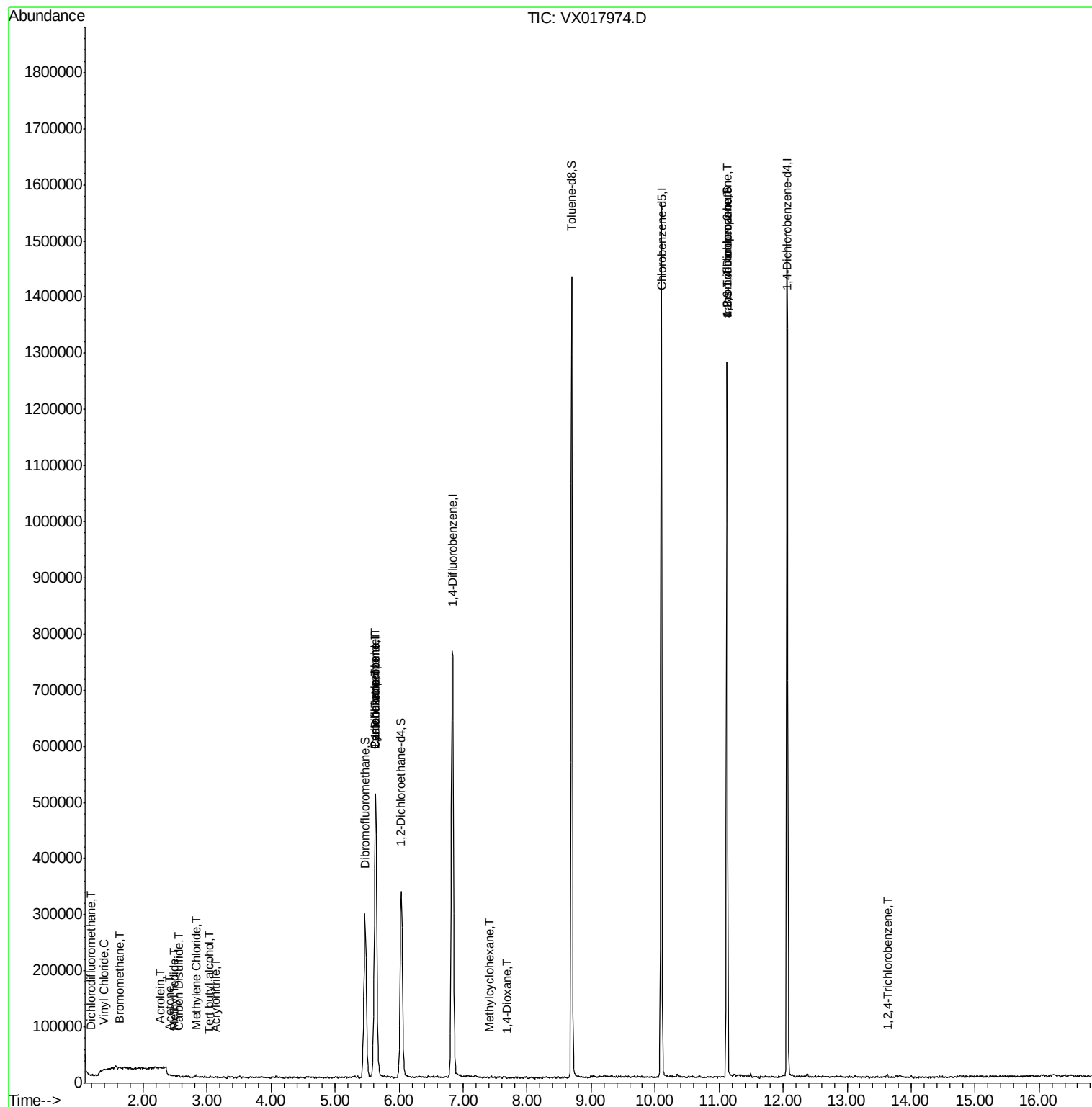
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	479264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	765399	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	699885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	319017	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	330001	46.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.94%	
35) Dibromofluoromethane	5.46	113	247018	43.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.68%	
50) Toluene-d8	8.70	98	824845	40.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.88%	
62) 4-Bromofluorobenzene	11.12	95	325907	43.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	394	1.042	ug/l	94
4) Vinyl Chloride	1.39	62	283	2.299	ug/l #	44
5) Bromomethane	1.64	94	1065	0.290	ug/l #	45
10) Methyl Iodide	2.49	142	1251	0.206	ug/l #	84
11) Tert butyl alcohol	3.02	59	369	0.272	ug/l #	71
13) Acrolein	2.28	56	779	1.087	ug/l #	72
15) Acrylonitrile	3.12	53	875	0.295	ug/l #	55
16) Acetone	2.42	43	1416	0.512	ug/l #	45
17) Carbon Disulfide	2.56	76	2890	0.276	ug/l #	94
20) Methylene Chloride	2.83	84	2093	0.411	ug/l #	79
31) Cyclohexane	5.63	56	10390	1.431	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	36440	5.688	ug/l #	51
38) Carbon Tetrachloride	5.63	117	47533	5.733	ug/l #	16
39) Methylcyclohexane	7.42	83	281	0.847	ug/l #	73
49) 1,4-Dioxane	7.68	88	30	0.239	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	161903	23.864	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	161903	62.694	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1273	0.202	ug/l	81

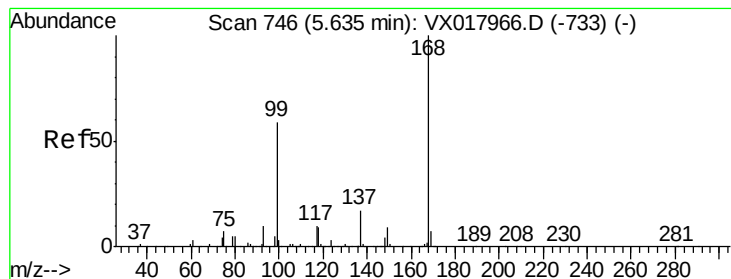
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

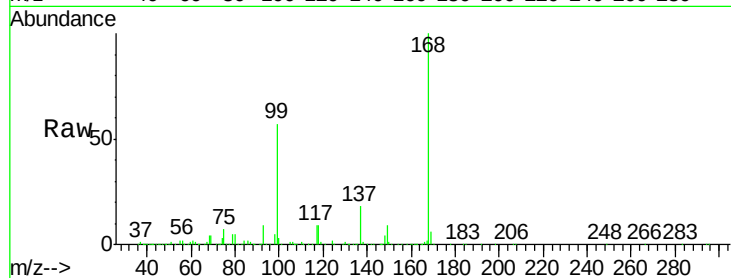
BP-VPB179-TB-20200812

Tgt Ion:168 Resp: 479264

Ion Ratio Lower Upper

168 100

99 57.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

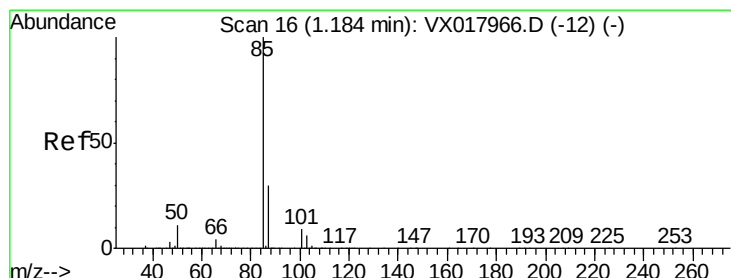
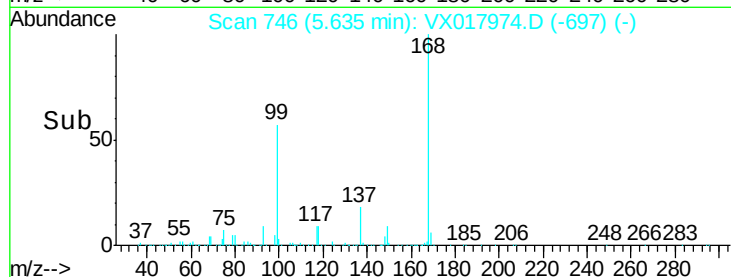
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 1.042 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017974.D

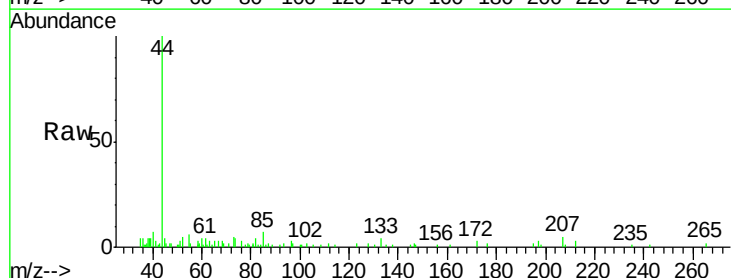
Acq: 19 Aug 2020 11:09

Tgt Ion: 85 Resp: 394

Ion Ratio Lower Upper

85 100

87 27.0 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400

300

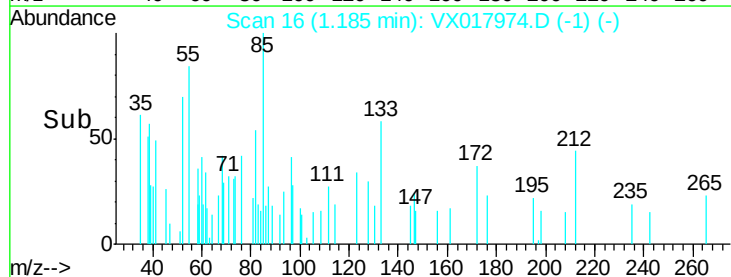
200

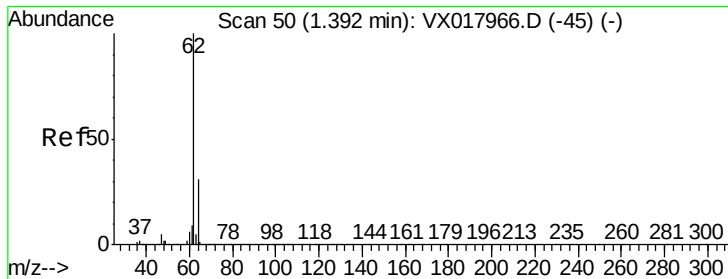
100

0

Time-->

1.16 1.18 1.20 1.22





#4

Vinyl Chloride

Concen: 2.299 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

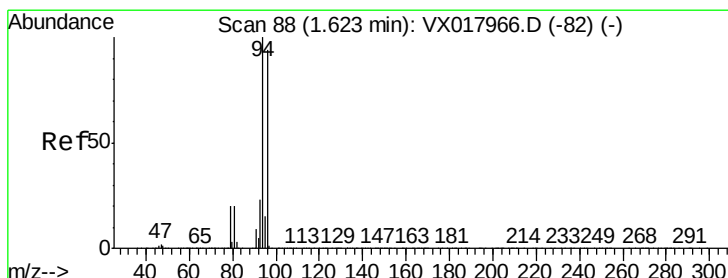
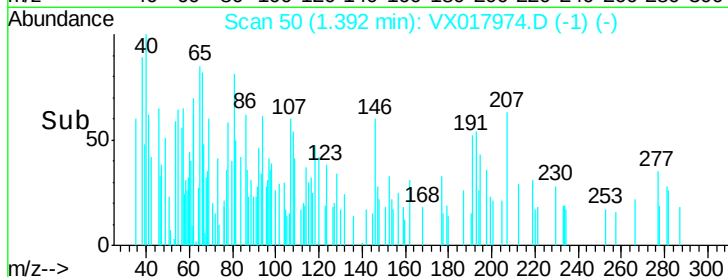
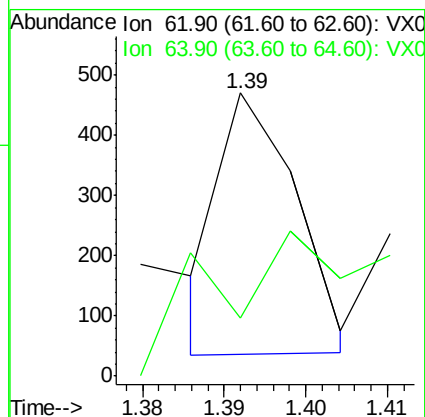
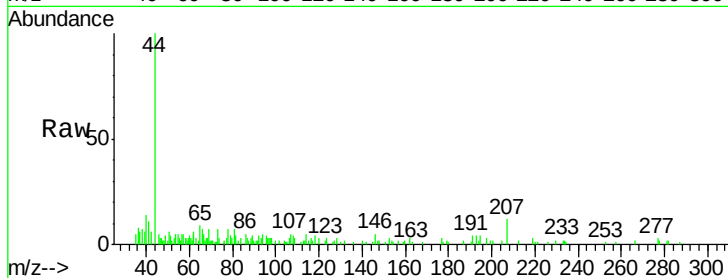
BP-VPB179-TB-20200812

Tgt Ion: 62 Resp: 283

Ion Ratio Lower Upper

62 100

64 0.0 24.7 37.1#



#5

Bromomethane

Concen: 0.290 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017974.D

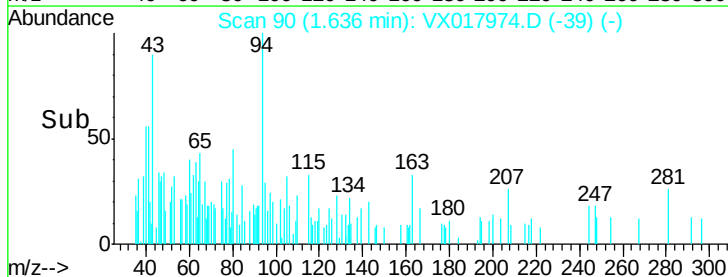
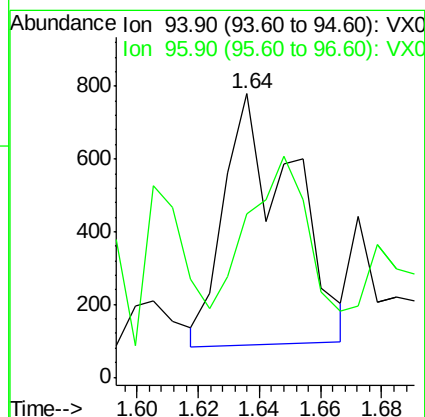
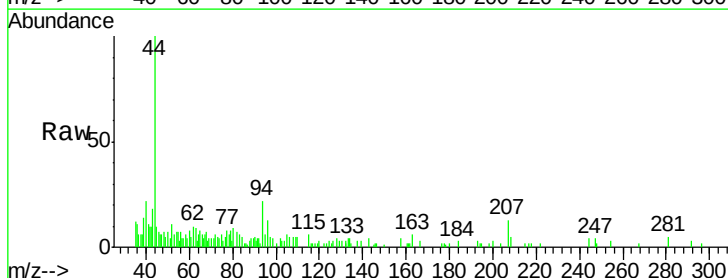
Acq: 19 Aug 2020 11:09

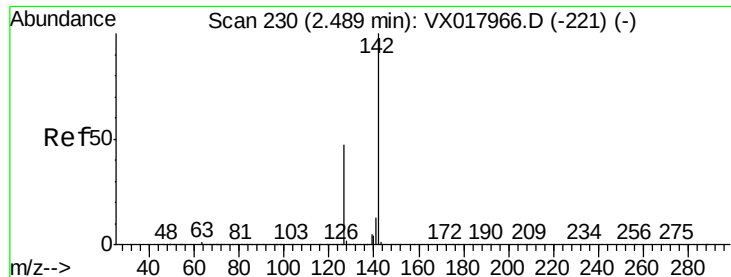
Tgt Ion: 94 Resp: 1065

Ion Ratio Lower Upper

94 100

96 41.4 75.5 113.3#

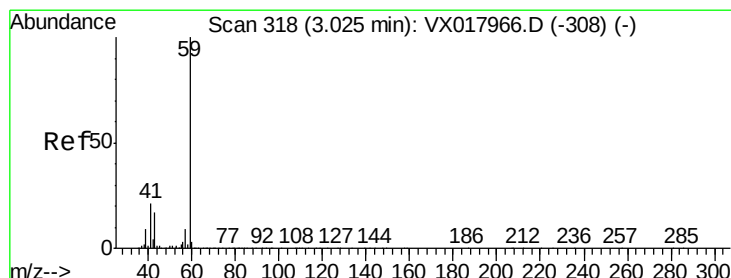
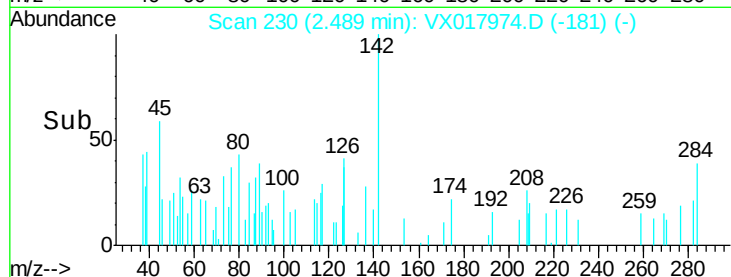
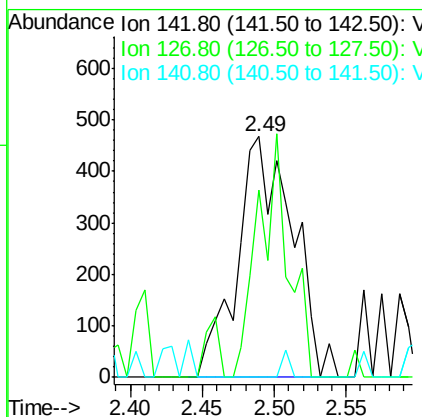
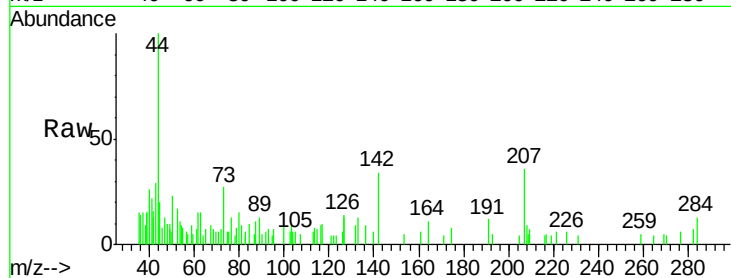




#10
Methyl Iodide
Concen: 0.206 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

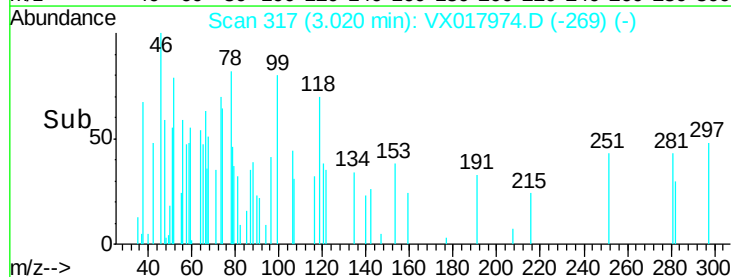
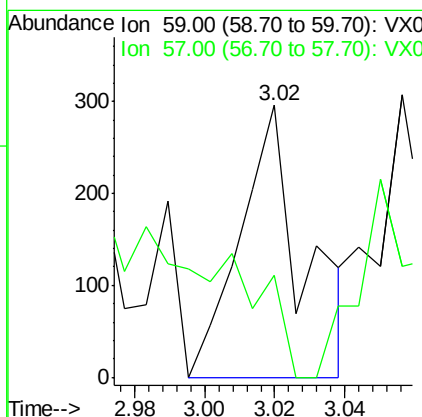
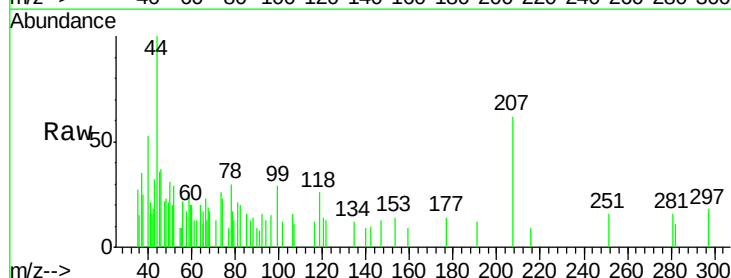
Instrument :
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ClientSampleId :
BP-VPB179-TB-20200812

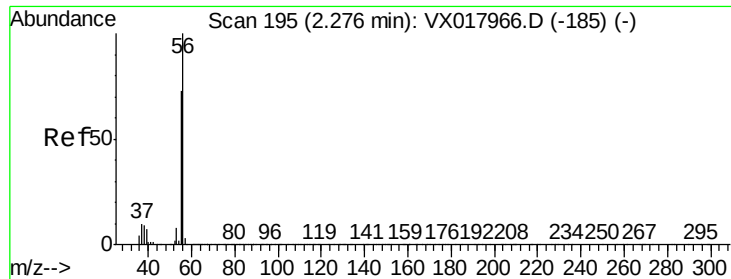
Tgt Ion: 142 Resp: 1251
Ion Ratio Lower Upper
142 100
127 55.3 38.0 57.0
141 1.6 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.272 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.01 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

Tgt Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

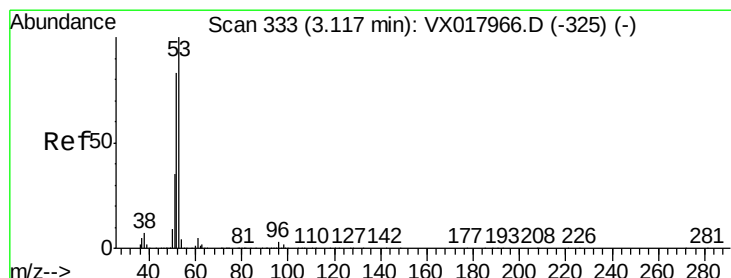
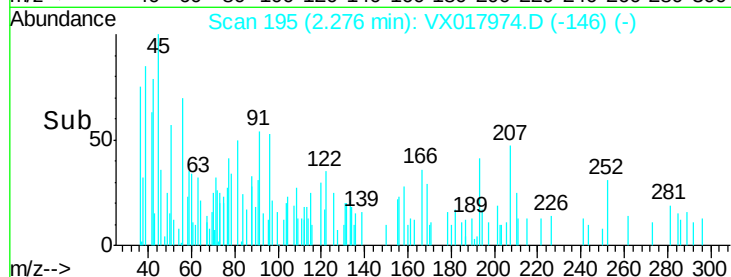
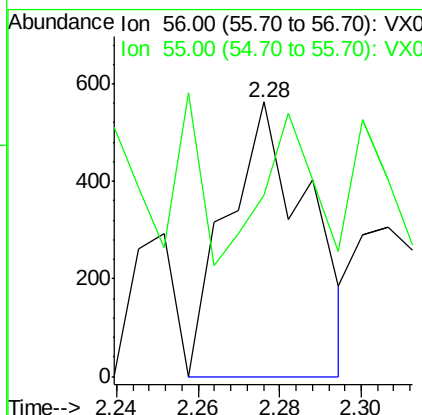
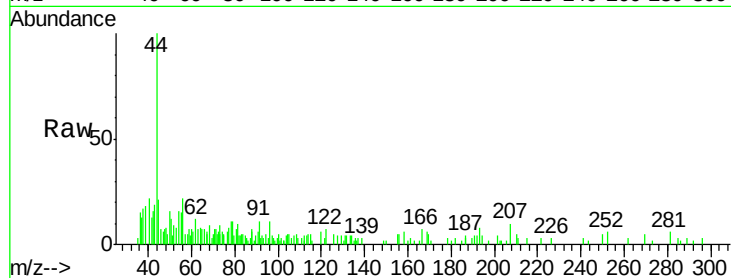




#13
Acrolein
Concen: 1.087 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

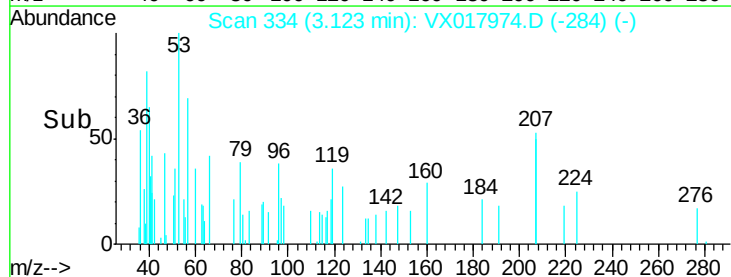
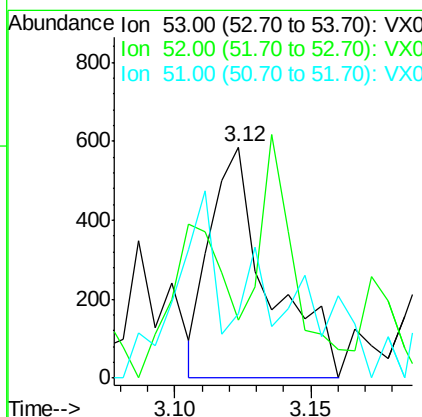
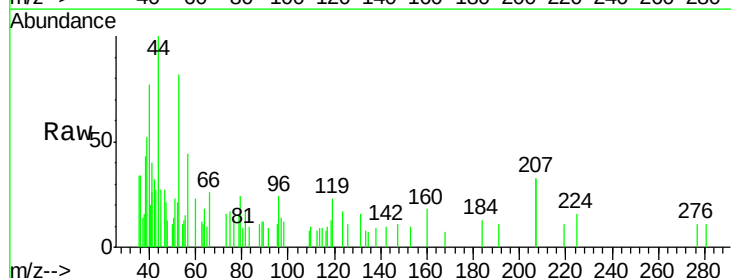
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-TB-20200812

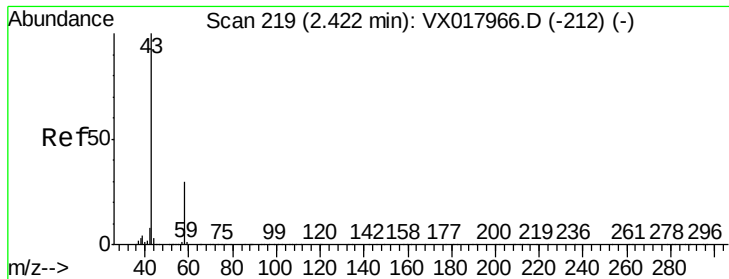
Tgt Ion: 56 Resp: 779
Ion Ratio Lower Upper
56 100
55 49.0 58.2 87.4#



#15
Acrylonitrile
Concen: 0.295 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

Tgt Ion: 53 Resp: 875
Ion Ratio Lower Upper
53 100
52 45.3 67.1 100.7#
51 6.4 29.2 43.8#





#16

Acetone

Concen: 0.512 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

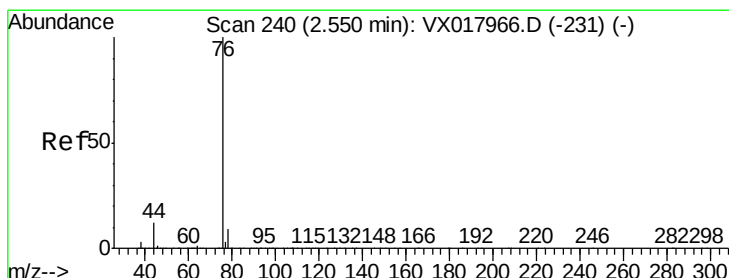
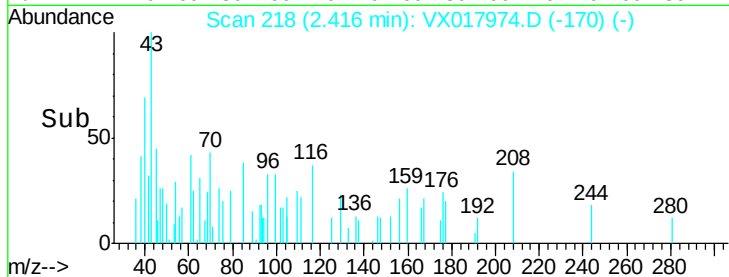
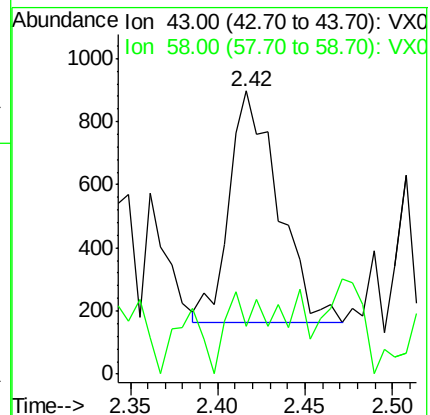
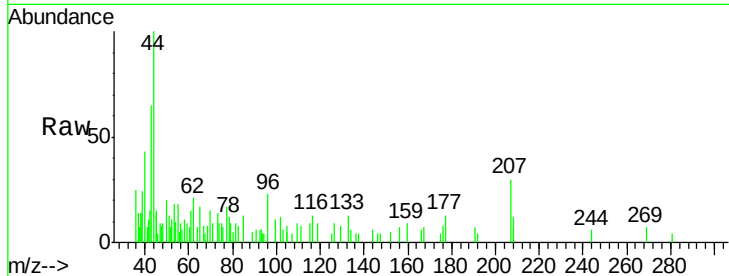
BP-VPB179-TB-20200812

Tgt Ion: 43 Resp: 1416

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



#17

Carbon Disulfide

Concen: 0.276 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017974.D

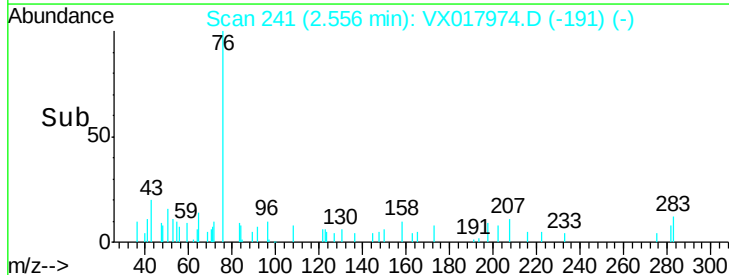
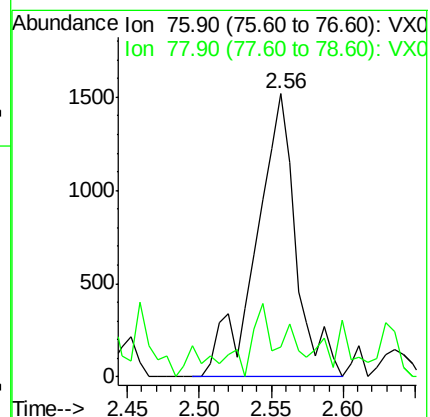
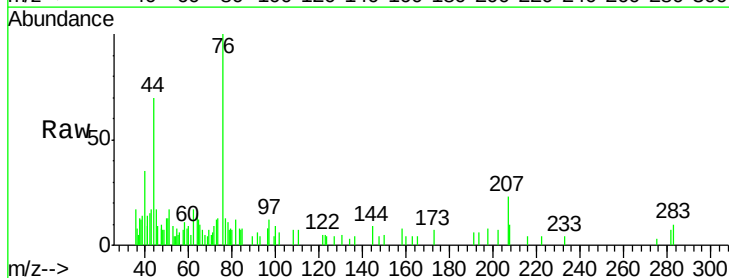
Acq: 19 Aug 2020 11:09

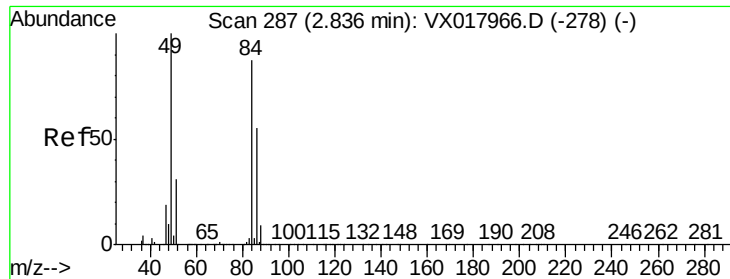
Tgt Ion: 76 Resp: 2890

Ion Ratio Lower Upper

76 100

78 6.9 7.3 10.9#

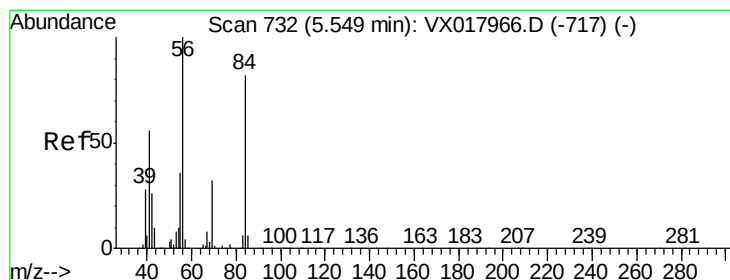
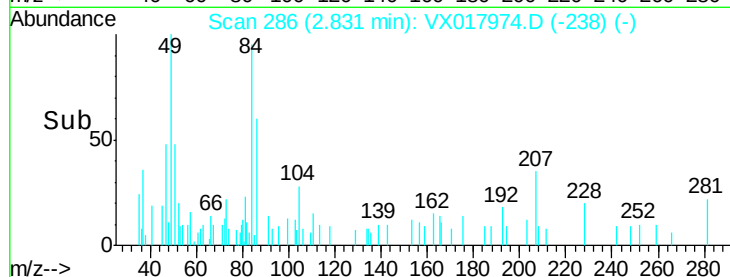
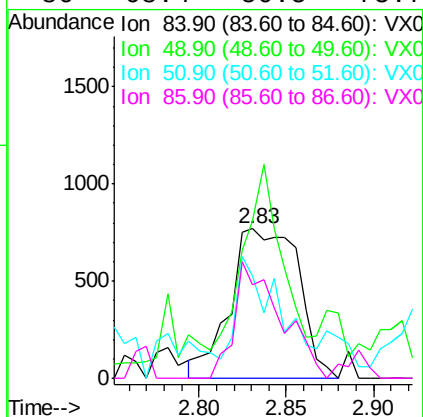
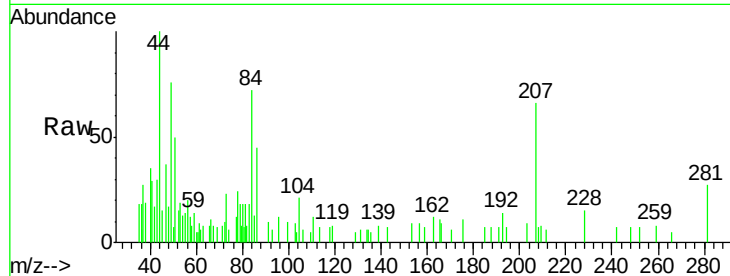




#20
Methylene Chloride
Concen: 0.411 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

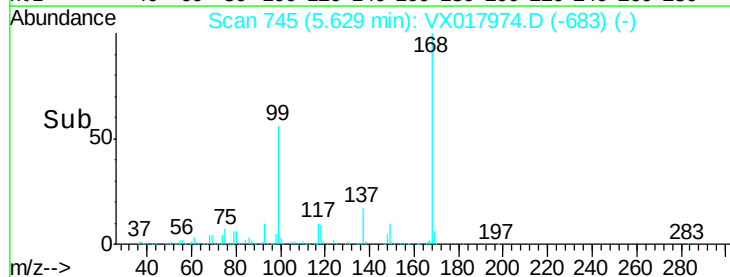
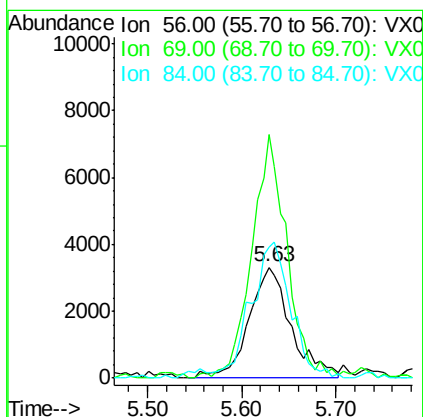
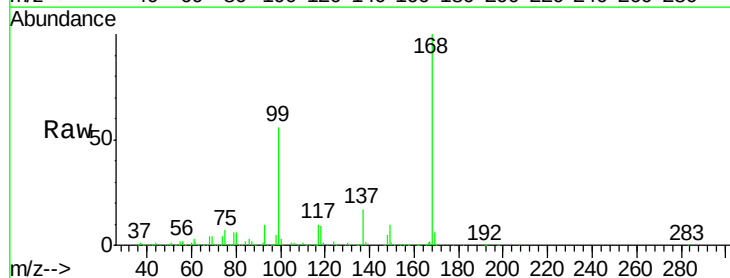
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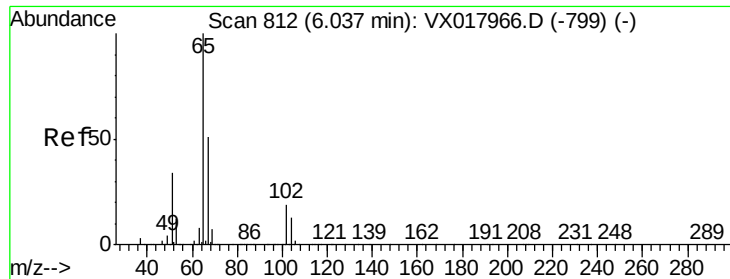
Tgt Ion:	84	Resp:	2093
Ion	Ratio	Lower	Upper
84	100		
49	83.2	91.8	137.6#
51	48.2	27.8	41.8#
86	68.4	50.5	75.7



#31
Cyclohexane
Concen: 1.431 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

Tgt Ion:	56	Resp:	10390
Ion	Ratio	Lower	Upper
56	100		
69	220.1	25.3	37.9#
84	115.0	65.3	97.9#

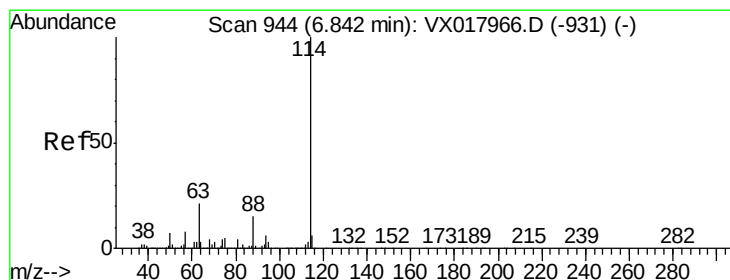
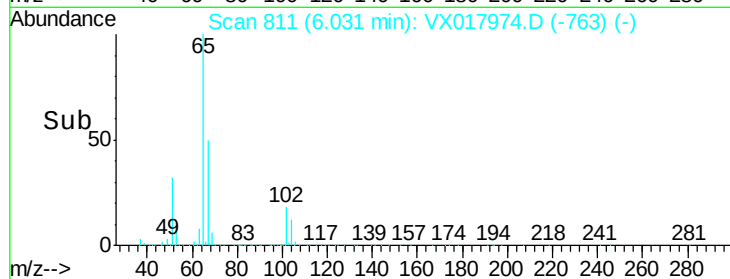
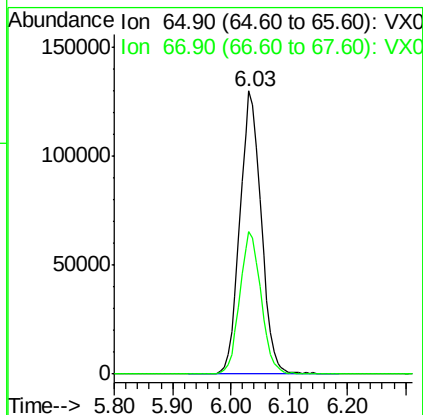
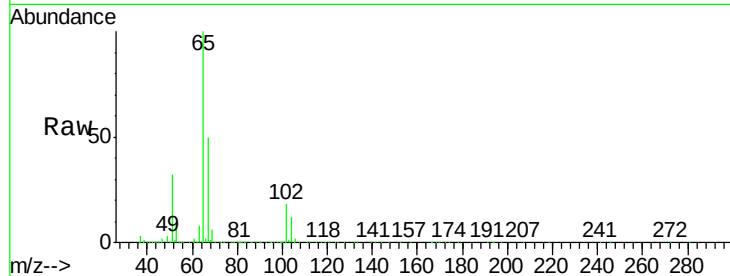




#33
 1,2-Dichloroethane-d4
 Concen: 46.971 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX017974.D
 Acq: 19 Aug 2020 11:09

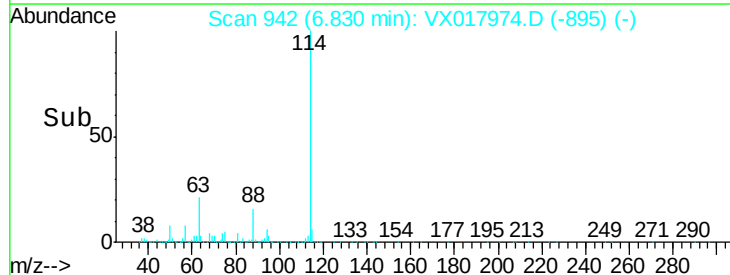
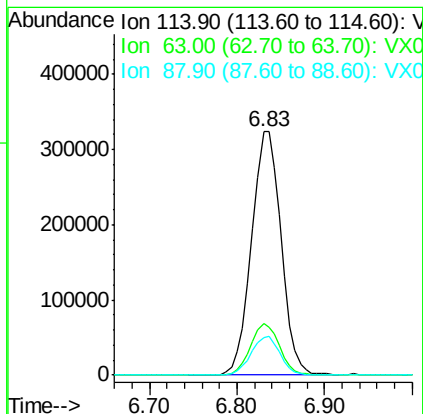
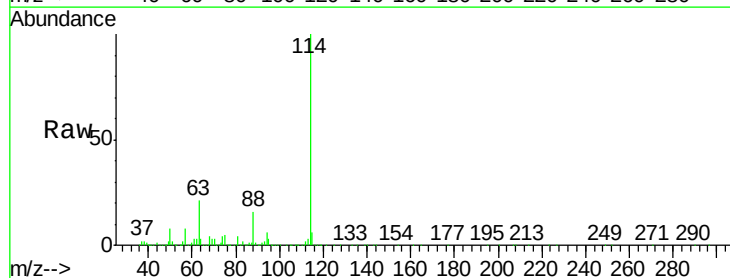
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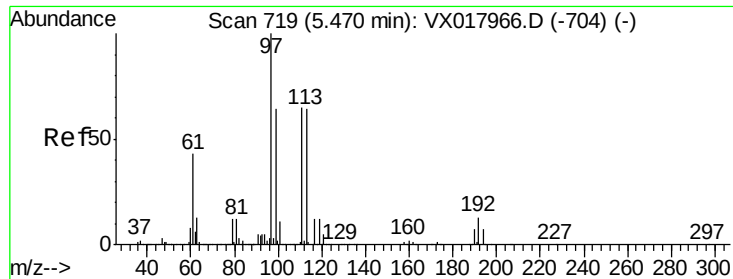
Tgt Ion: 65 Resp: 330001
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX017974.D
 Acq: 19 Aug 2020 11:09

Tgt Ion: 114 Resp: 765399
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.6
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 43.338 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-TB-20200812

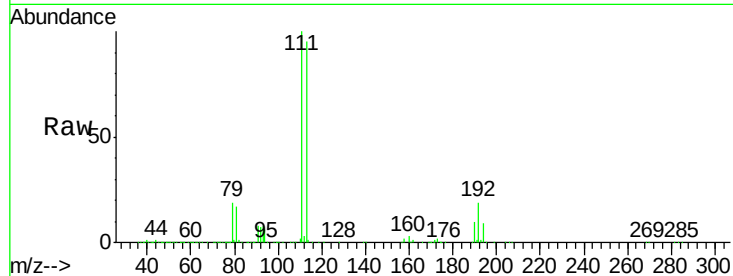
Tgt Ion:113 Resp: 247018

Ion Ratio Lower Upper

113 100

111 101.6 83.5 125.3

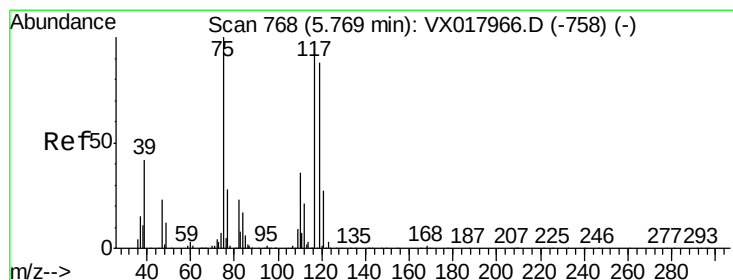
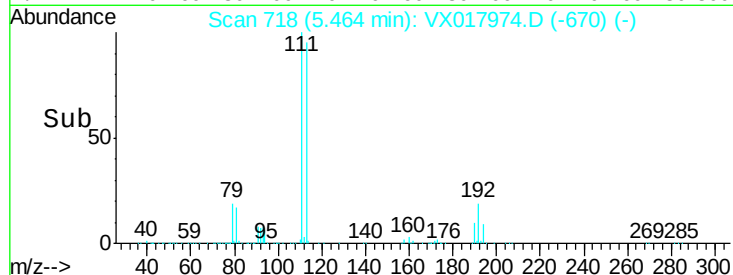
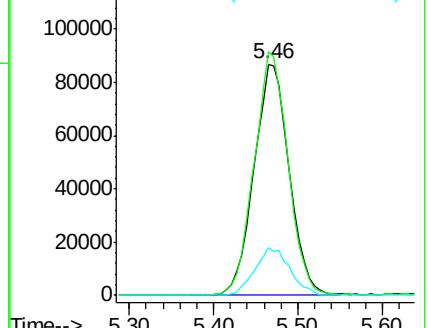
192 20.5 16.2 24.4



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: 5.688 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

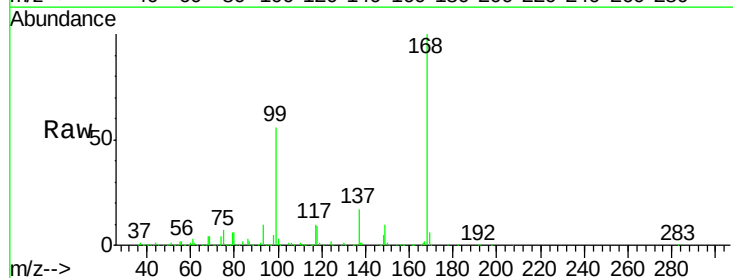
Tgt Ion: 75 Resp: 36440

Ion Ratio Lower Upper

75 100

110 11.3 18.7 56.1#

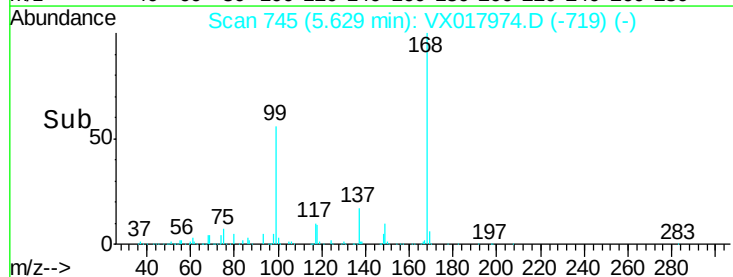
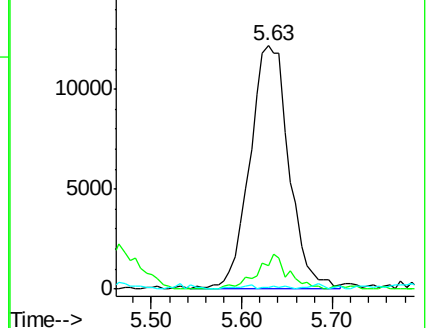
77 0.5 24.4 36.6#

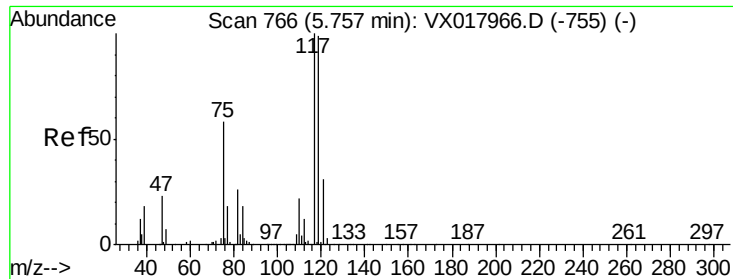


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.733 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-TB-20200812

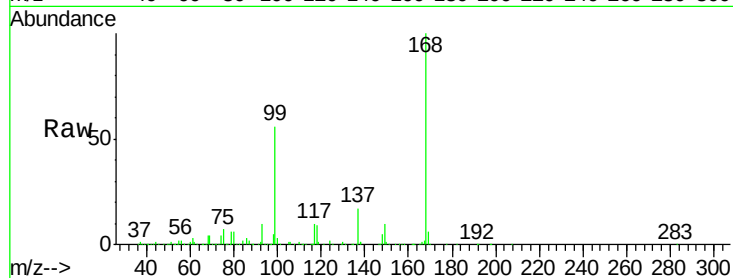
Tgt Ion:117 Resp: 47533

Ion Ratio Lower Upper

117 100

119 6.4 79.0 118.6#

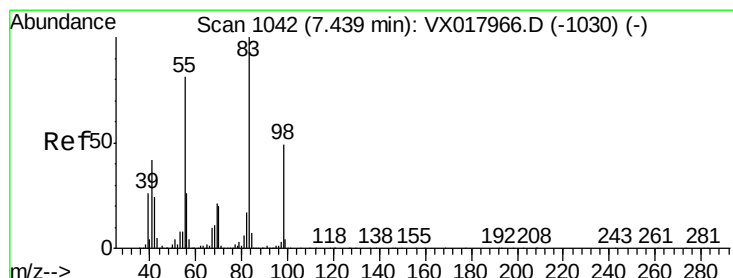
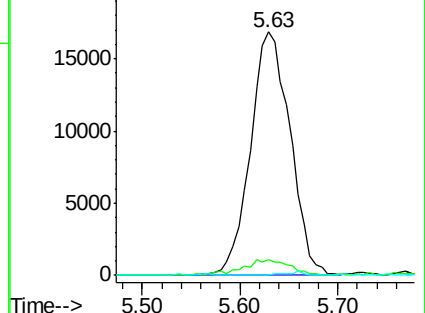
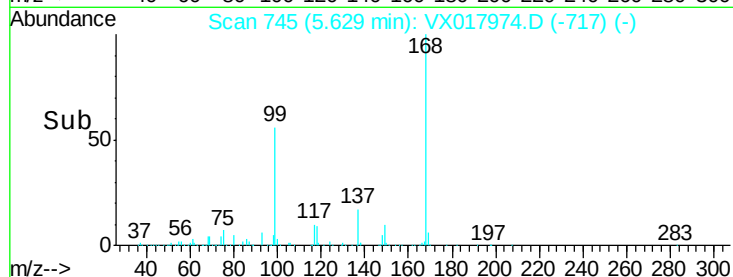
121 0.3 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 0.847 ug/l

RT: 7.42 min Scan# 1038

Delta R.T. -0.02 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

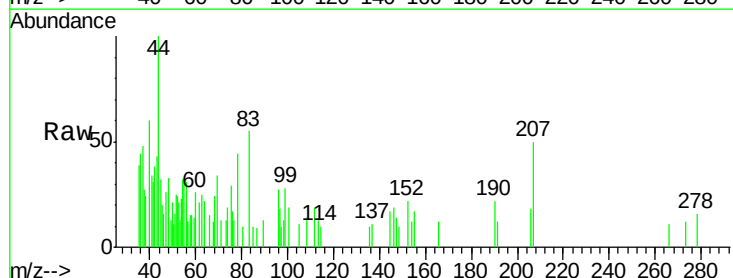
Tgt Ion: 83 Resp: 281

Ion Ratio Lower Upper

83 100

55 61.1 64.5 96.7#

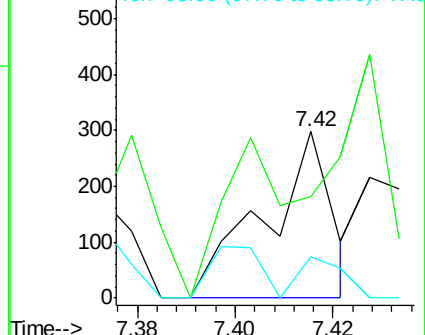
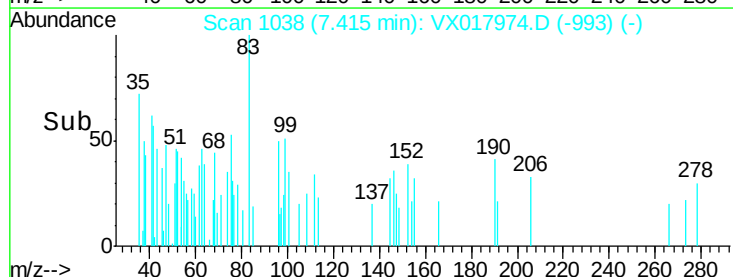
98 24.5 39.0 58.6#

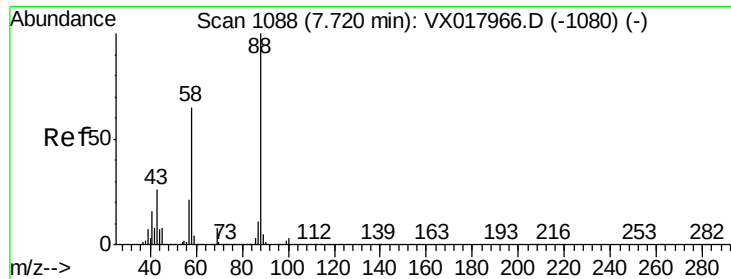


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

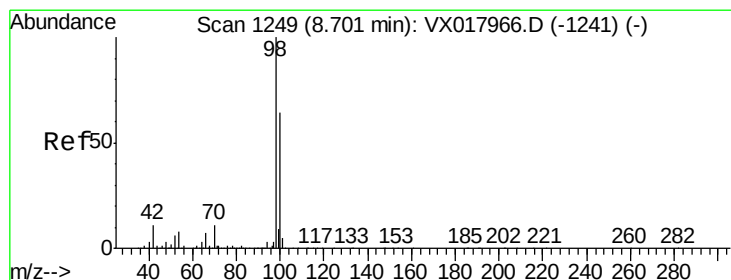
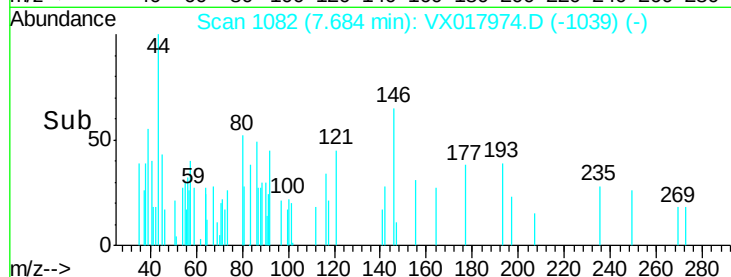
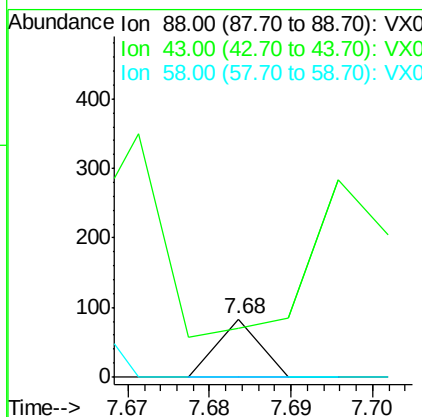
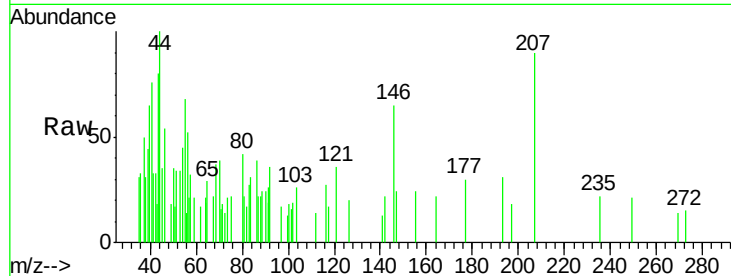




#49
1,4-Dioxane
Concen: 0.239 ug/l
RT: 7.68 min Scan# 1082
Delta R.T. -0.04 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

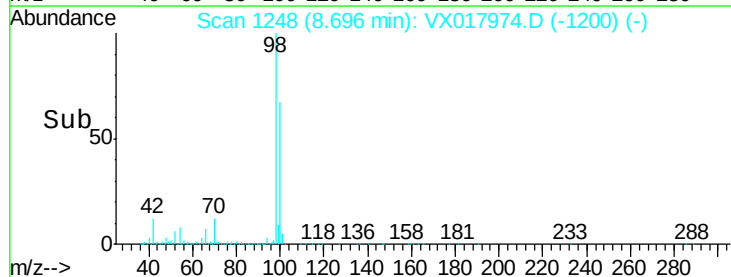
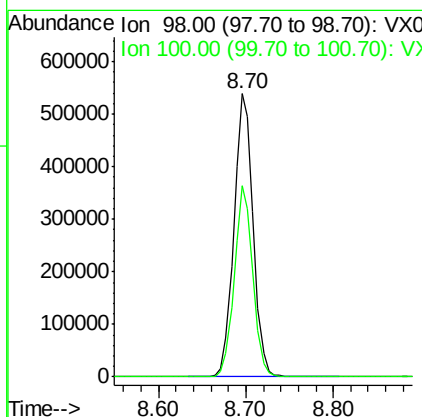
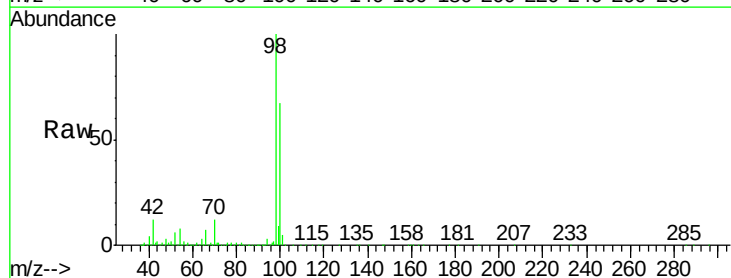
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-TB-20200812

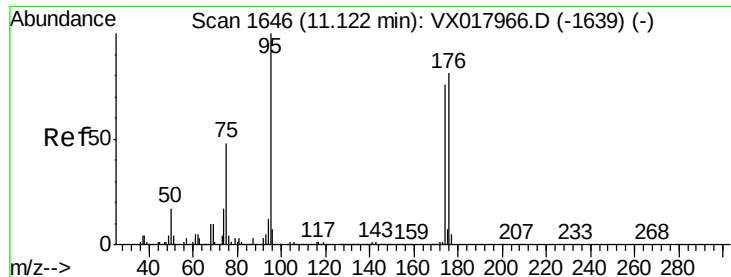
Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 696.7 27.3 40.9#
58 0.0 57.7 86.5#



#50
Toluene-d8
Concen: 40.940 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

Tgt Ion: 98 Resp: 824845
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 43.797 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-TB-20200812

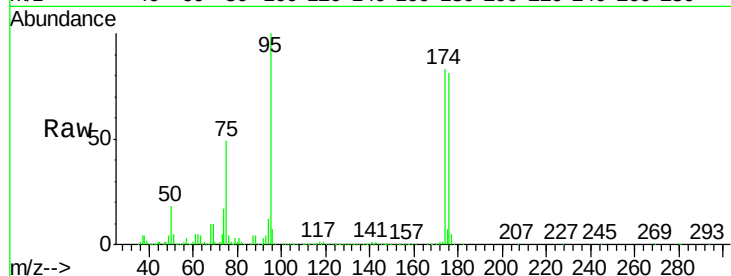
Tgt Ion: 95 Resp: 325907

Ion Ratio Lower Upper

95 100

174 82.6 0.0 166.0

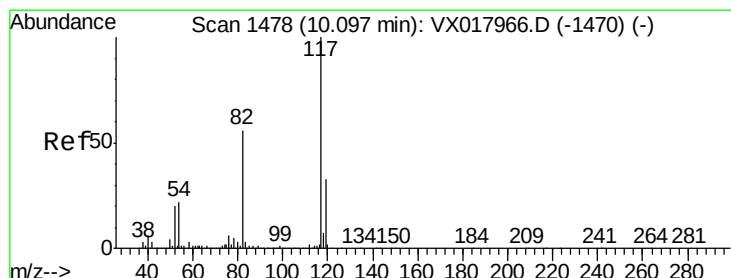
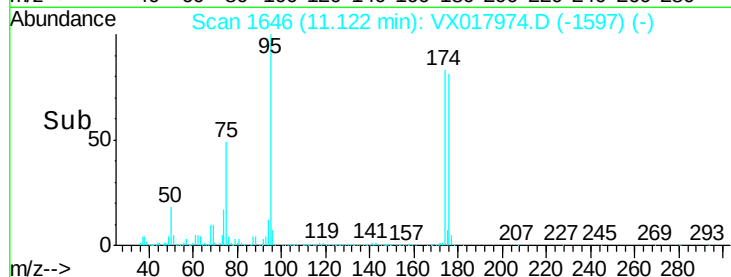
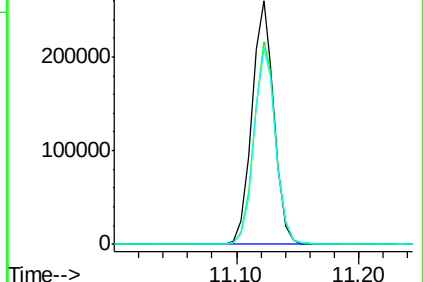
176 80.0 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017966.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017966.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017966.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

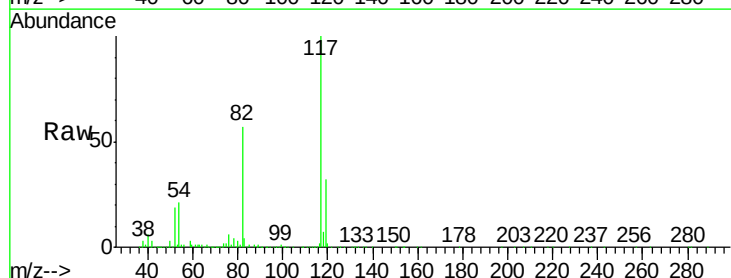
Tgt Ion: 117 Resp: 699885

Ion Ratio Lower Upper

117 100

82 57.0 44.6 66.8

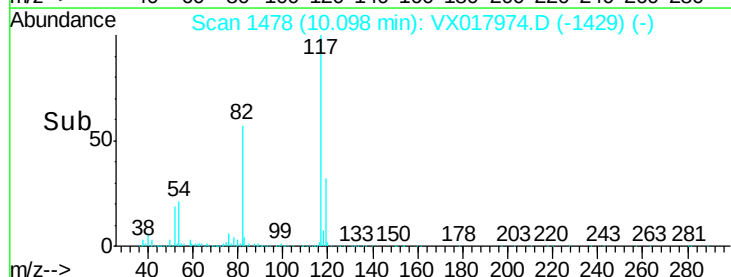
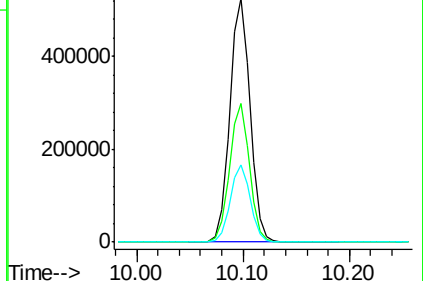
119 31.8 26.2 39.4

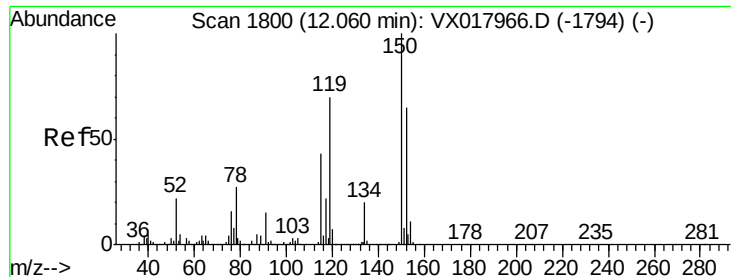


Abundance Ion 116.90 (116.60 to 117.60): VX017966.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX017966.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX017966.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017974.D

Acq: 19 Aug 2020 11:09

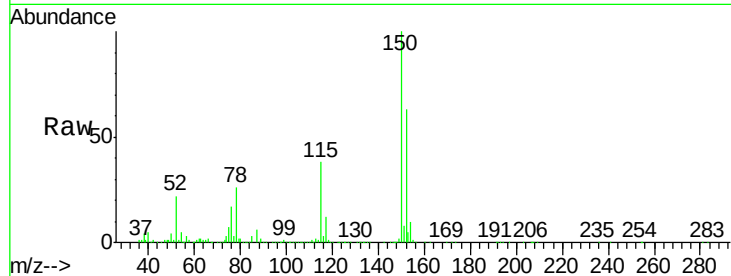
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-TB-20200812

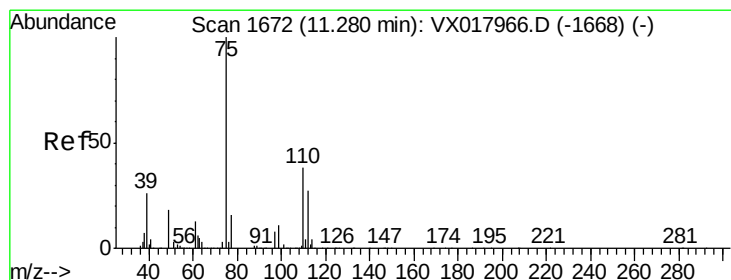
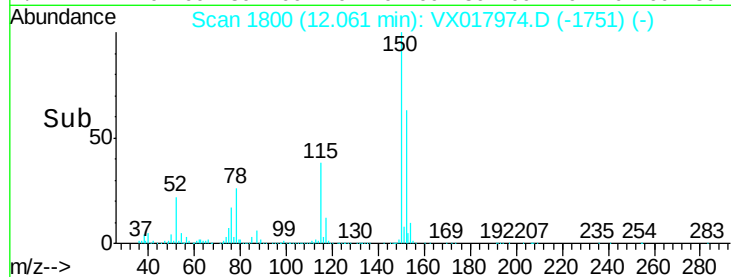
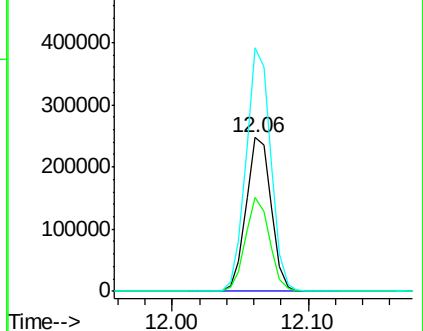
Tgt Ion:	152	Resp:	319017
Ion	Ratio	Lower	Upper
152	100		
115	58.8	40.6	121.7
150	155.9	0.0	346.4



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: 23.864 ug/l

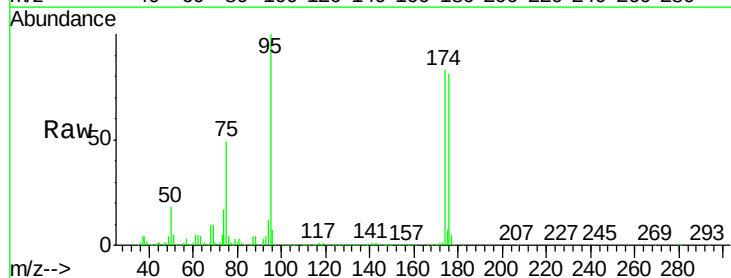
RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017974.D

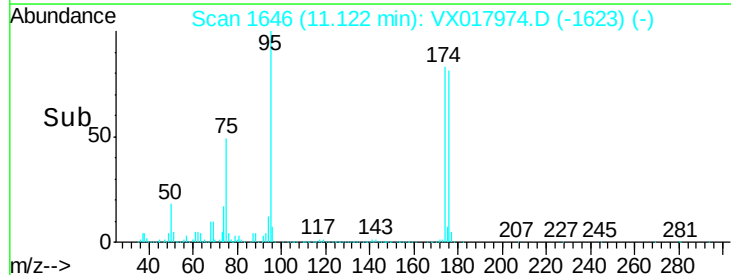
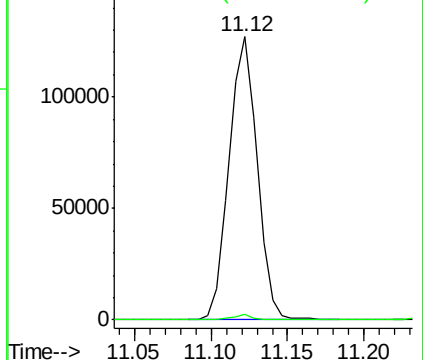
Acq: 19 Aug 2020 11:09

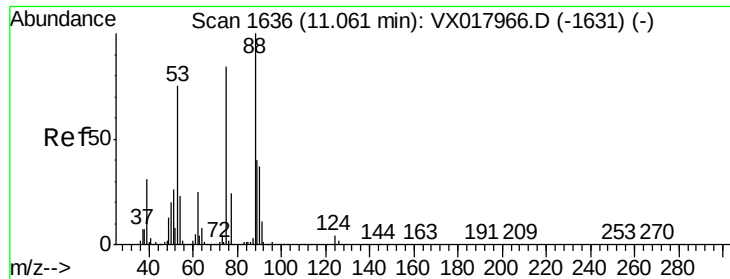
Tgt Ion:	75	Resp:	161903
Ion	Ratio	Lower	Upper
75	100		
77	1.5	21.1	63.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

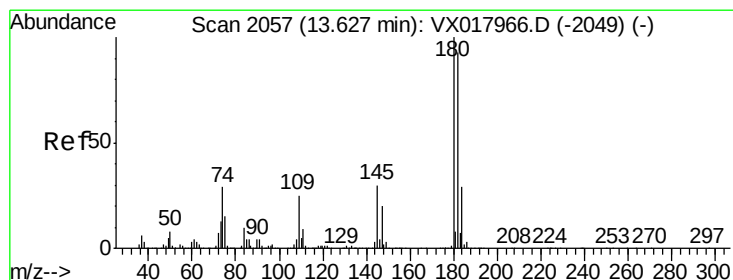
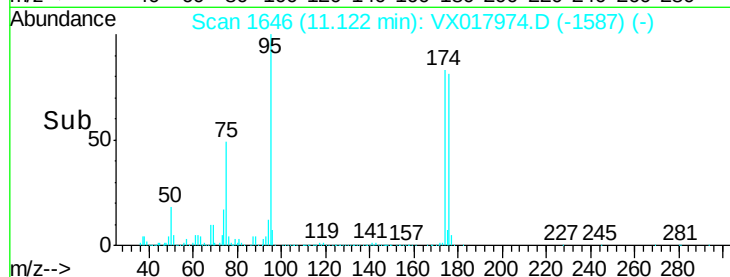
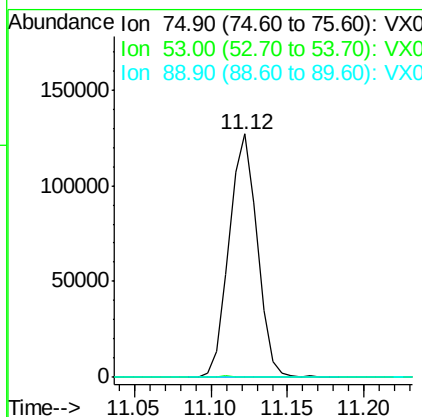
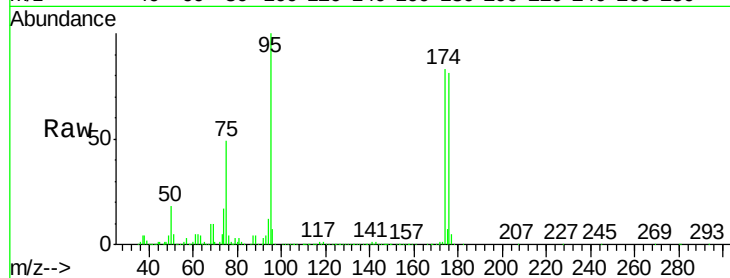




#81
trans-1,4-Dichloro-2-butene
Concen: 62.694 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-TB-20200812

Tgt Ion: 75 Resp: 161903
Ion Ratio Lower Upper
75 100
53 0.4 75.2 112.8#
89 0.1 38.4 57.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 13.63 min Scan# 2058
Delta R.T. 0.01 min
Lab File: VX017974.D
Acq: 19 Aug 2020 11:09

Tgt Ion: 180 Resp: 1273
Ion Ratio Lower Upper
180 100
182 79.5 48.8 146.4
145 44.8 16.0 48.0

