

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081920\
 Data File : VX017980.D
 Acq On : 19 Aug 2020 13:24
 Operator : JC/SP
 Sample : L3717-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 19 13:51:42 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	489563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	756246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	702147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	338239	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	332656	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
35) Dibromofluoromethane	5.46	113	260985	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	8.70	98	903909	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
62) 4-Bromofluorobenzene	11.12	95	333236	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	

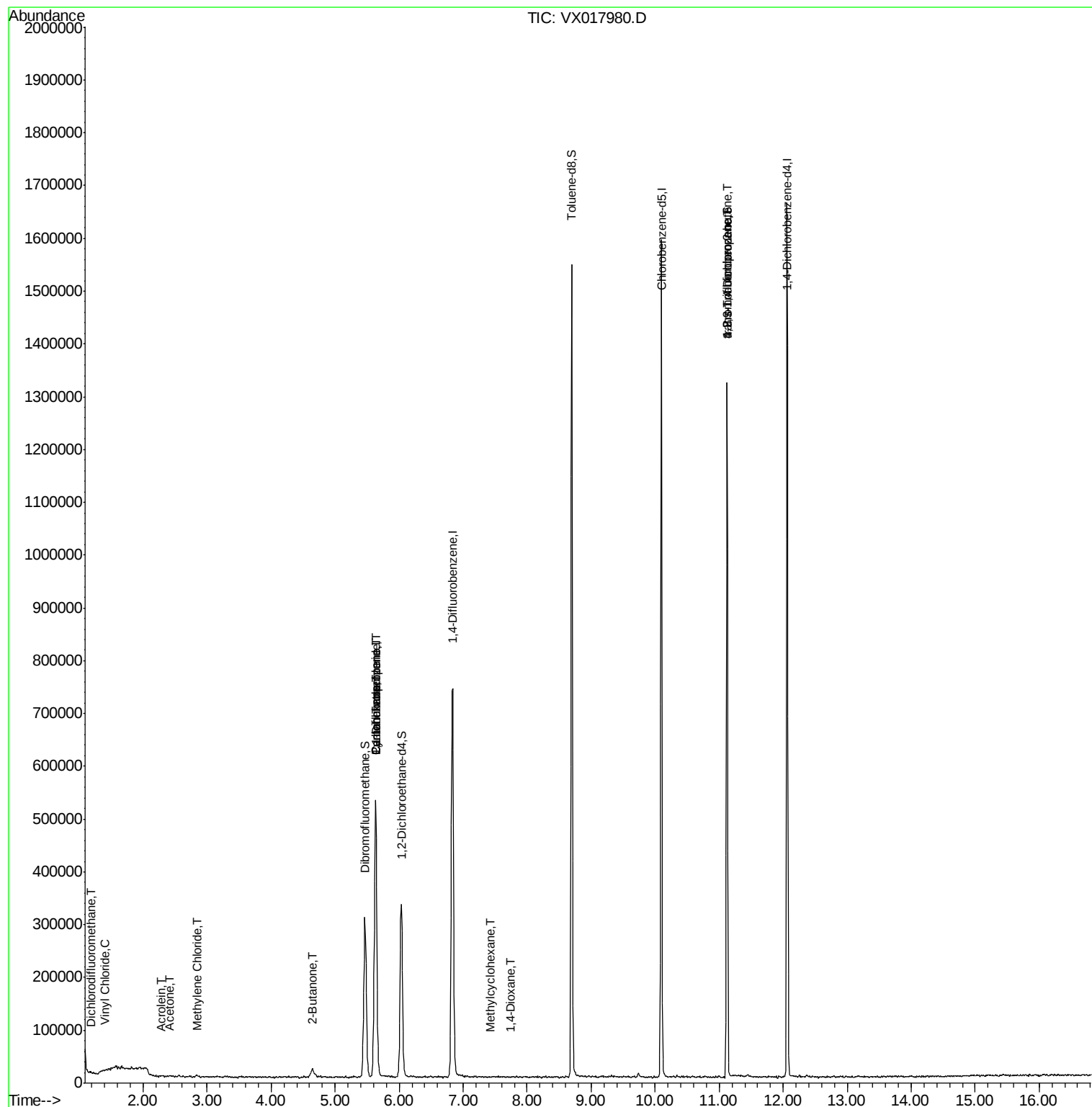
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	471	1.052	ug/l	83
4) Vinyl Chloride	1.39	62	419	2.317	ug/l #	73
13) Acrolein	2.28	56	664	0.907	ug/l #	48
16) Acetone	2.42	43	2343	0.830	ug/l	96
20) Methylene Chloride	2.84	84	2549	0.490	ug/l #	55
25) 2-Butanone	4.64	43	908	0.212	ug/l #	1
31) Cyclohexane	5.63	56	10624	1.433	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	36141	5.710	ug/l #	52
38) Carbon Tetrachloride	5.64	117	52036	6.352	ug/l #	17
39) Methylcyclohexane	7.42	83	31	0.817	ug/l #	56
49) 1,4-Dioxane	7.74	88	103	0.830	ug/l #	14
76) 1,2,3-Trichloropropane	11.12	75	164155	22.821	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	164155	59.953	ug/l #	12

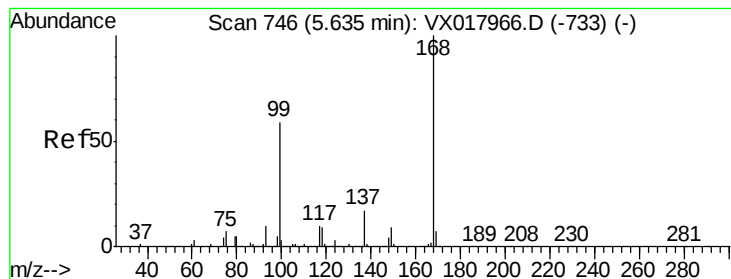
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX017980.D

Acq: 19 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

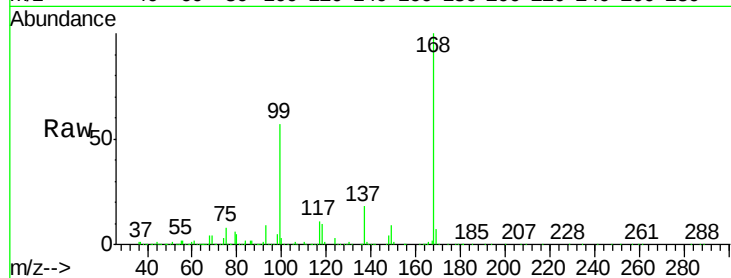
BP-VPB179-TB-20200812

Tgt Ion:168 Resp: 489563

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

200000

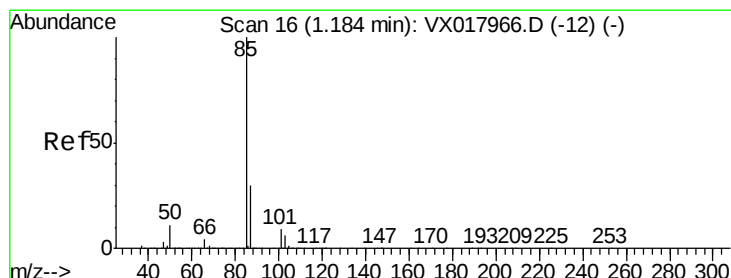
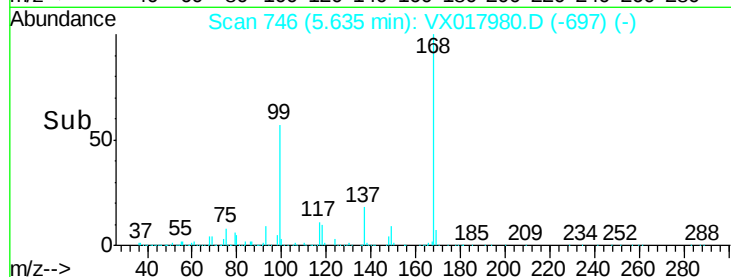
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.052 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017980.D

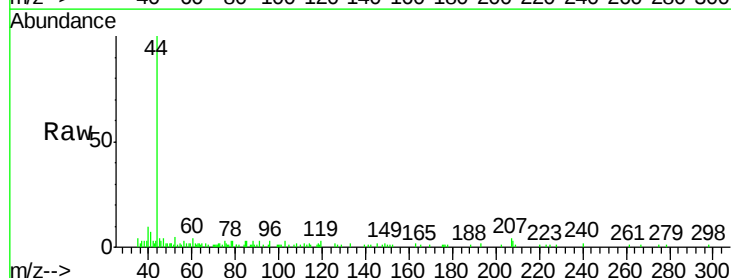
Acq: 19 Aug 2020 13:24

Tgt Ion: 85 Resp: 471

Ion Ratio Lower Upper

85 100

87 21.4 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

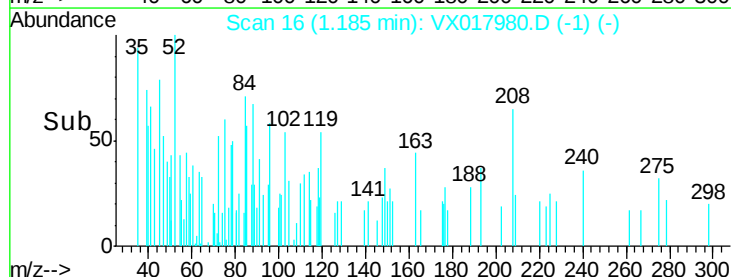
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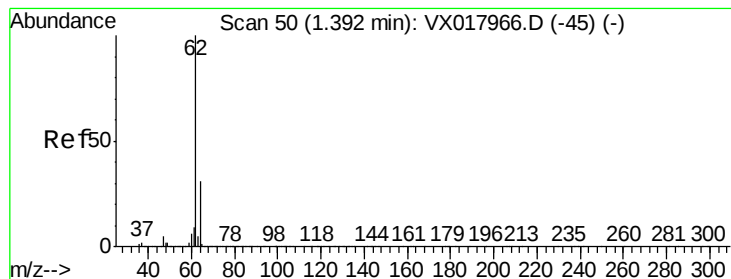
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 2.317 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017980.D

Acq: 19 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

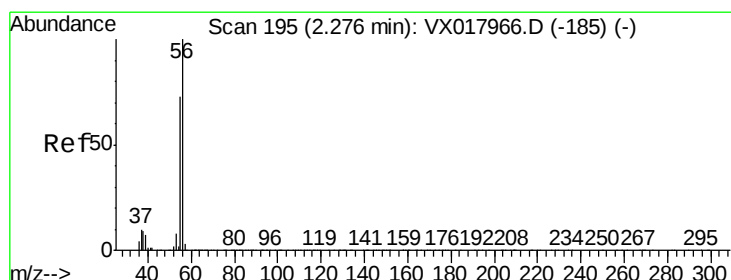
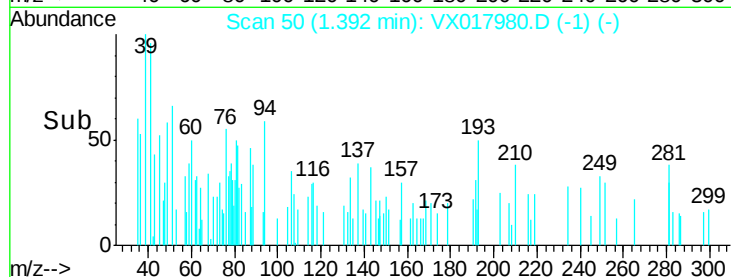
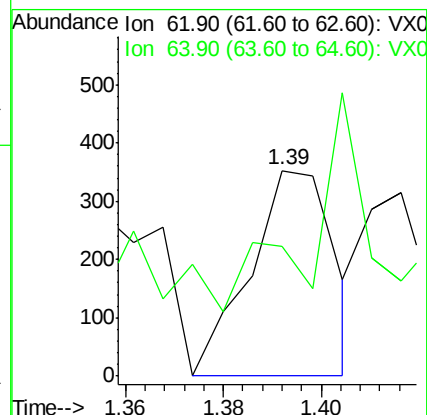
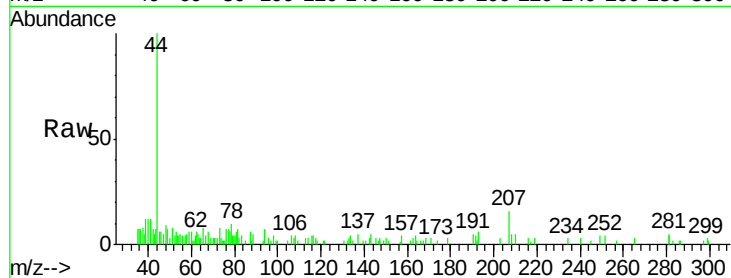
BP-VPB179-TB-20200812

Tgt Ion: 62 Resp: 419

Ion Ratio Lower Upper

62 100

64 16.0 24.7 37.1#



#13

Acrolein

Concen: 0.907 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017980.D

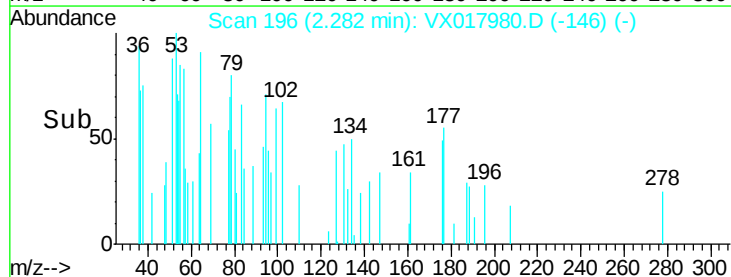
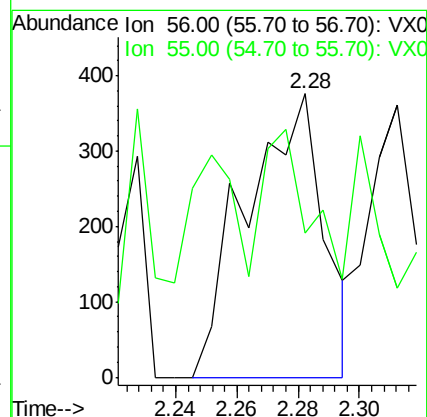
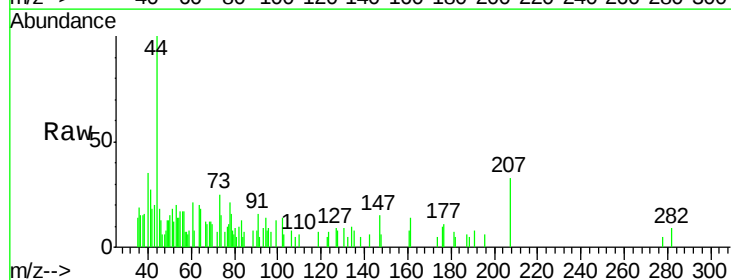
Acq: 19 Aug 2020 13:24

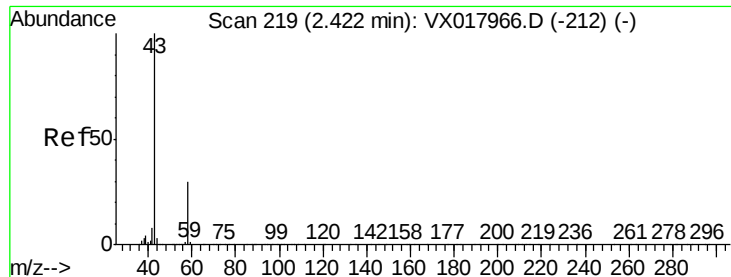
Tgt Ion: 56 Resp: 664

Ion Ratio Lower Upper

56 100

55 28.9 58.2 87.4#





#16

Acetone

Concen: 0.830 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017980.D

Acq: 19 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

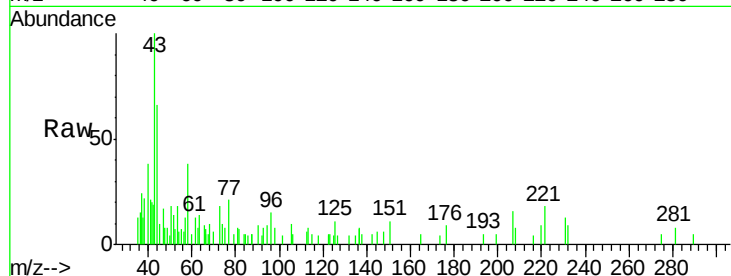
BP-VPB179-TB-20200812

Tgt Ion: 43 Resp: 2343

Ion Ratio Lower Upper

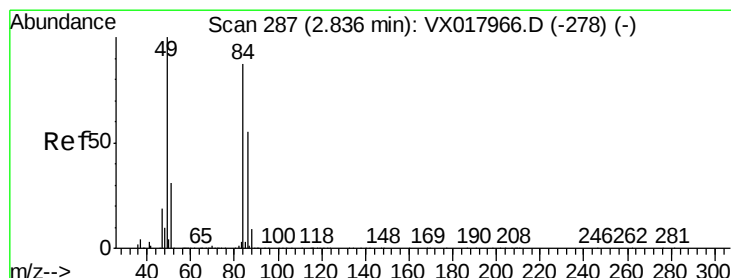
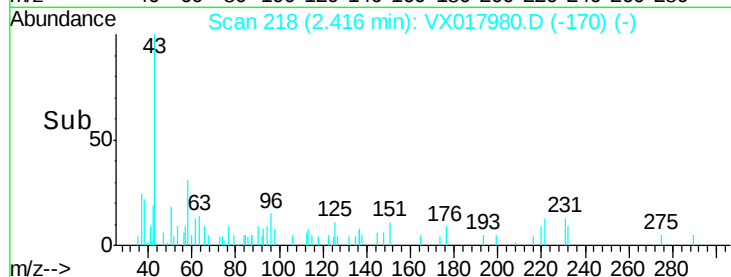
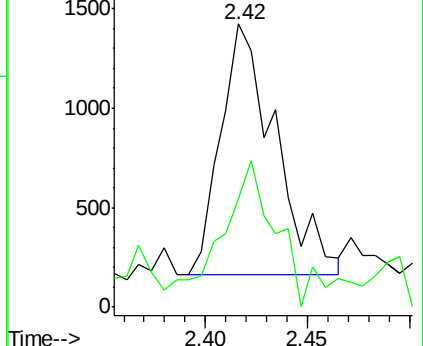
43 100

58 32.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.490 ug/l

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX017980.D

Acq: 19 Aug 2020 13:24

Tgt Ion: 84 Resp: 2549

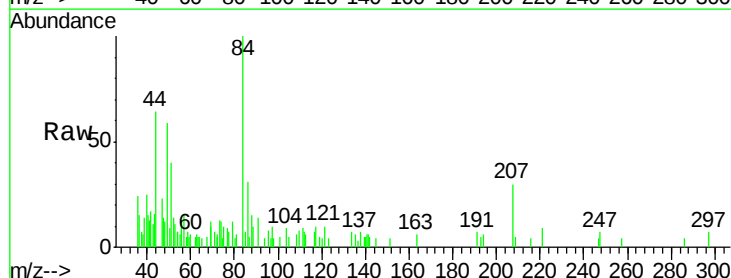
Ion Ratio Lower Upper

84 100

49 51.4 91.8 137.6#

51 30.7 27.8 41.8

86 31.1 50.5 75.7#

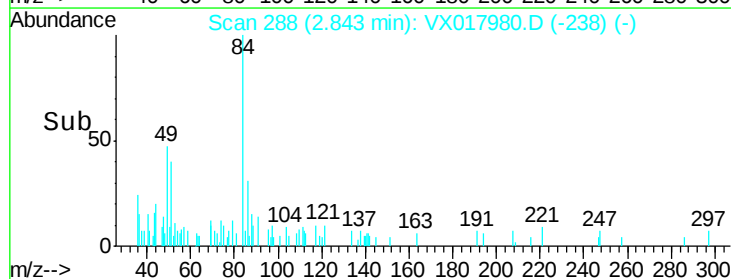
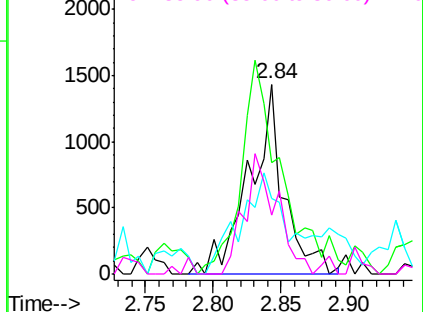


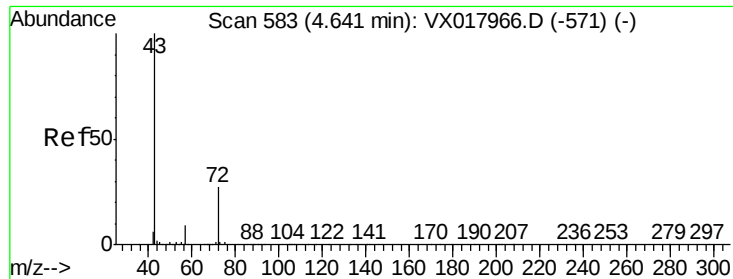
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

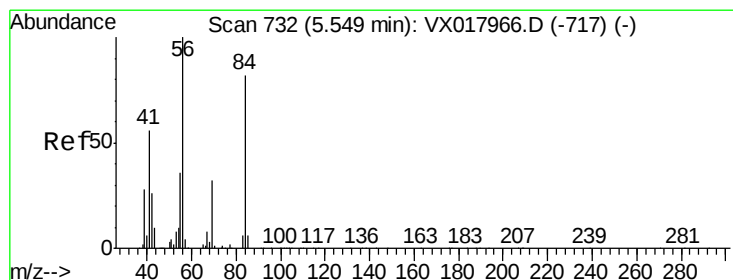
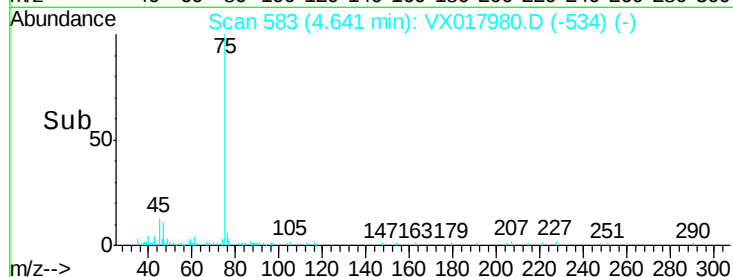
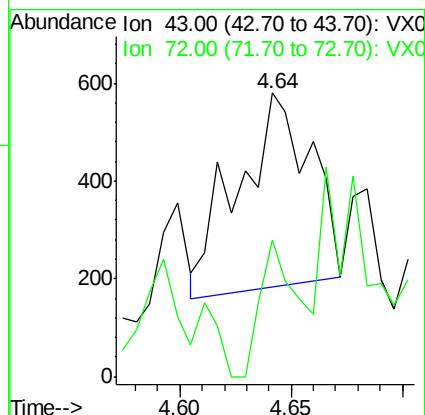
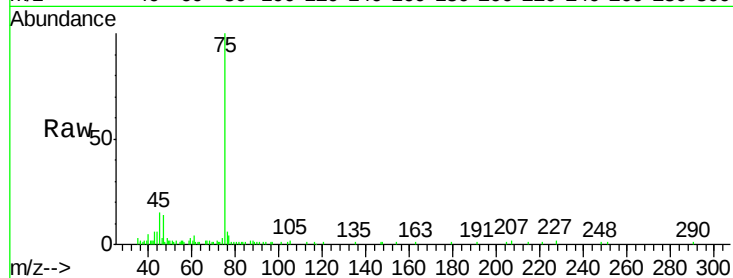




#25
2-Butanone
Concen: 0.212 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VX017980.D
Acq: 19 Aug 2020 13:24

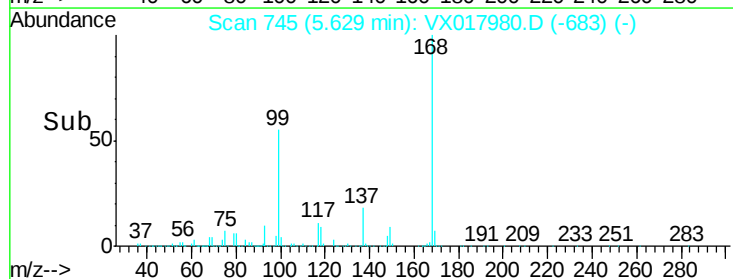
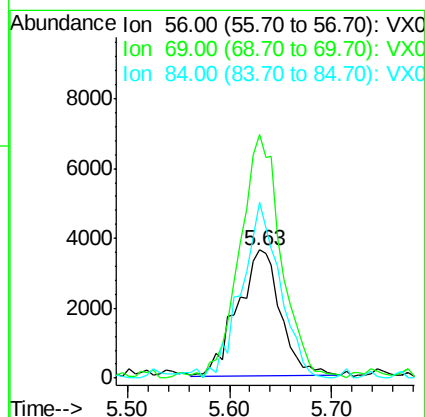
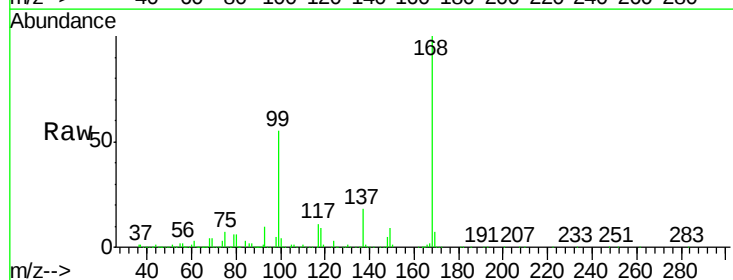
Instrument :
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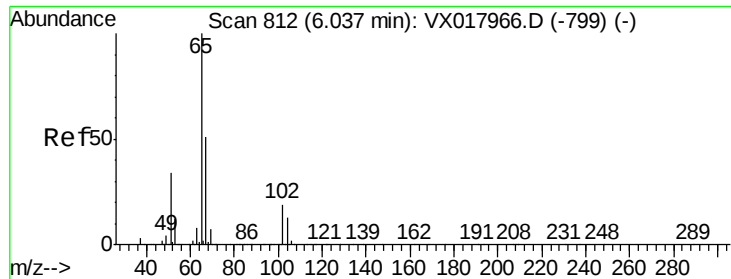
Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
72 84.7 21.4 32.2#



#31
Cyclohexane
Concen: 1.433 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017980.D
Acq: 19 Aug 2020 13:24

Tgt Ion: 56 Resp: 10624
Ion Ratio Lower Upper
56 100
69 191.7 25.3 37.9#
84 137.7 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 46.353 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX017980.D

Acq: 19 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

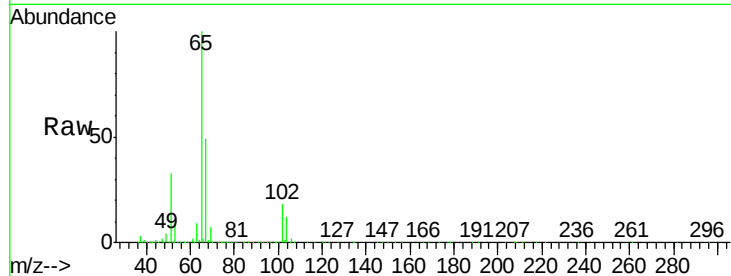
BP-VPB179-TB-20200812

Tgt Ion: 65 Resp: 332656

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

150000

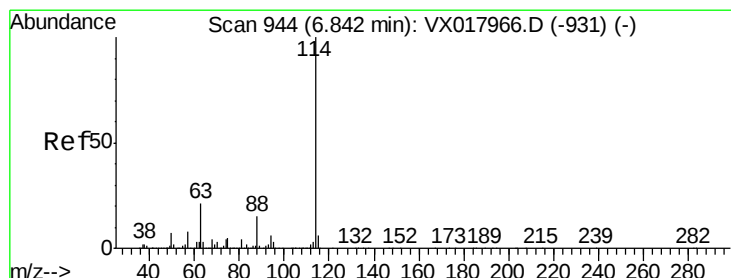
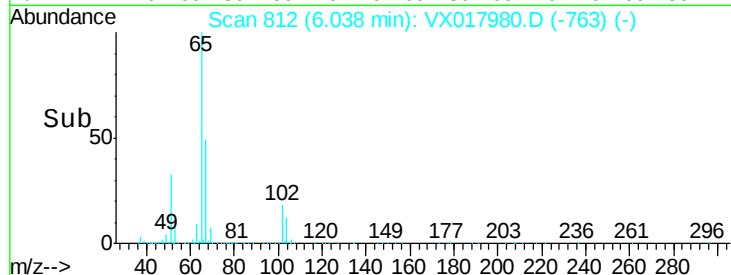
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX017980.D

Acq: 19 Aug 2020 13:24

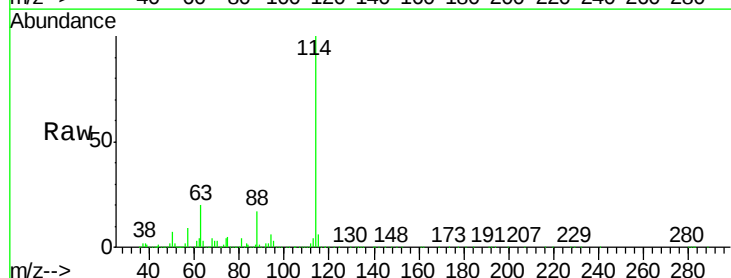
Tgt Ion: 114 Resp: 756246

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 16.9 0.0 30.2



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

6.84

400000

300000

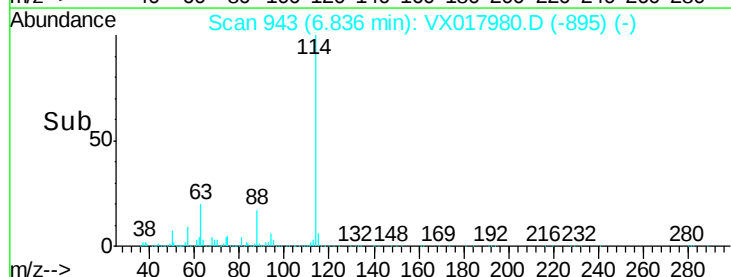
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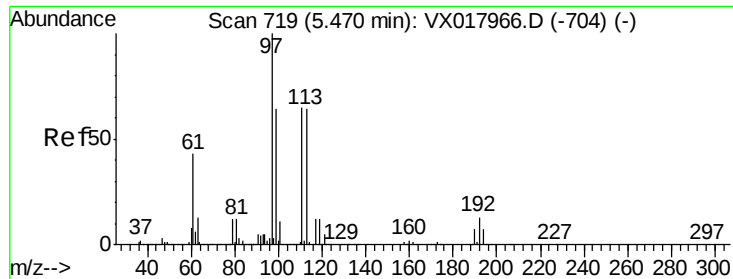
100000

0

Time-->

6.70 6.80 6.90 7.00

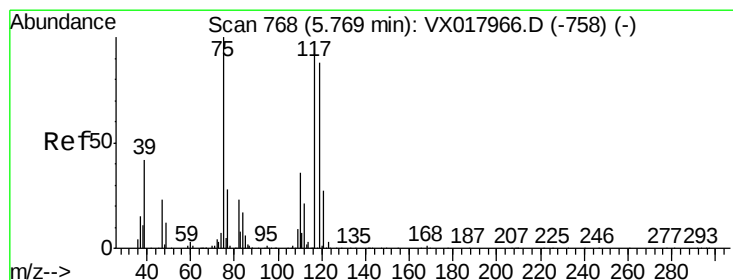
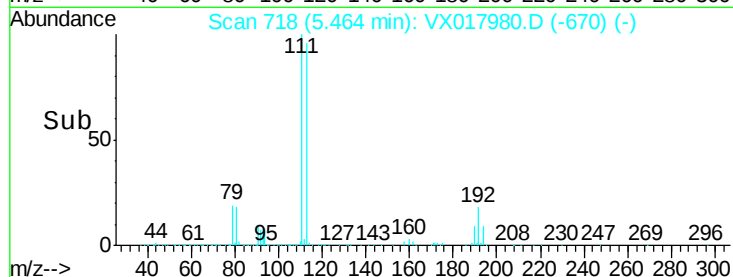
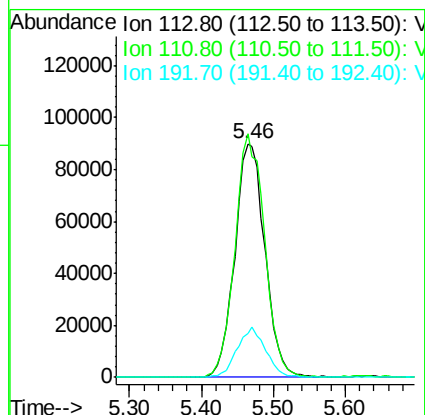
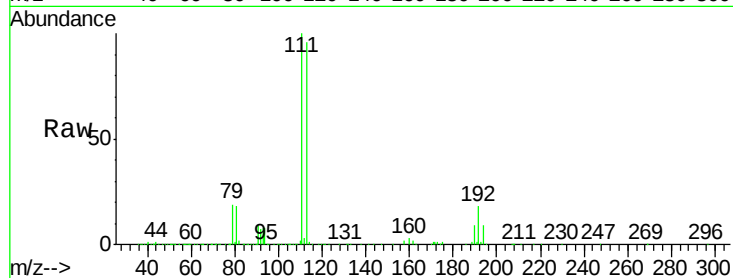




#35
 Dibromofluoromethane
 Concen: 46.343 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017980.D
 Acq: 19 Aug 2020 13:24

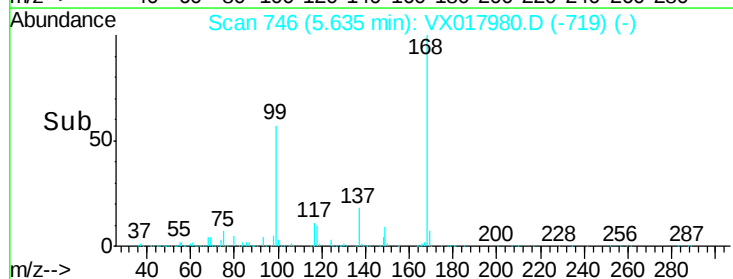
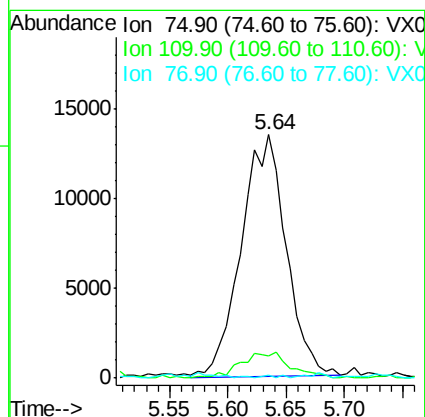
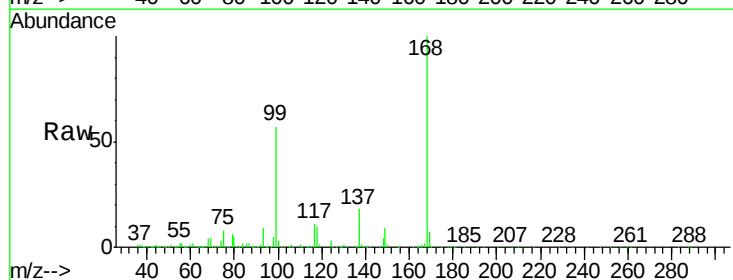
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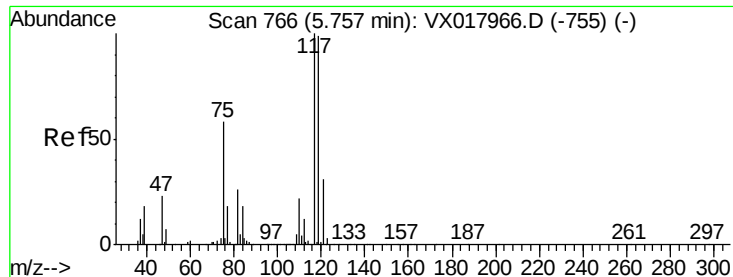
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.5	125.3
192	20.4	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 5.710 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017980.D
 Acq: 19 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.7	56.1#
77	0.3	24.4	36.6#

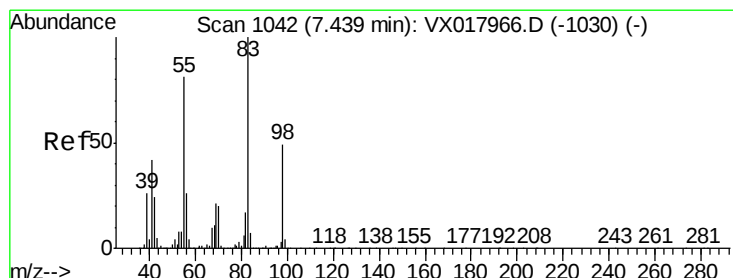
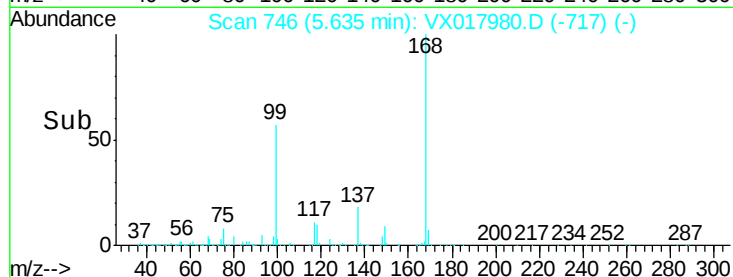
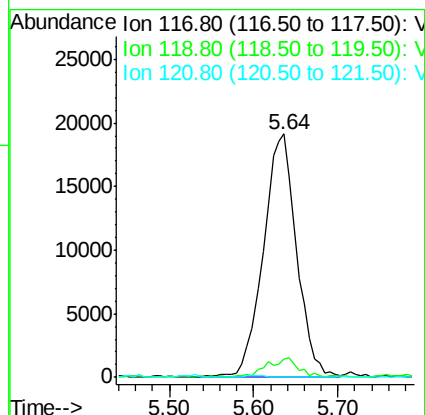
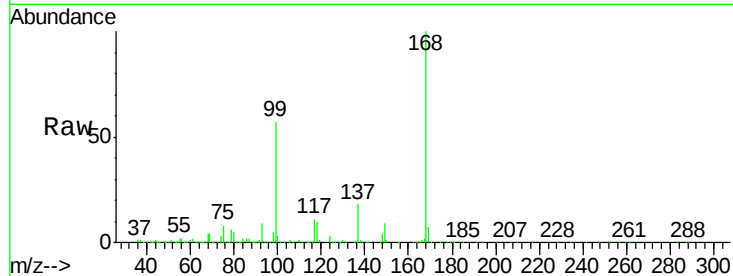




#38
Carbon Tetrachloride
Concen: 6.352 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX017980.D
Acq: 19 Aug 2020 13:24

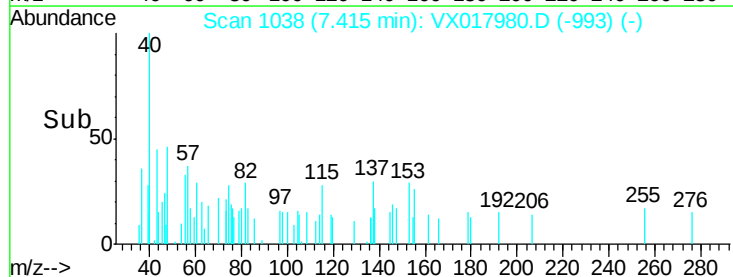
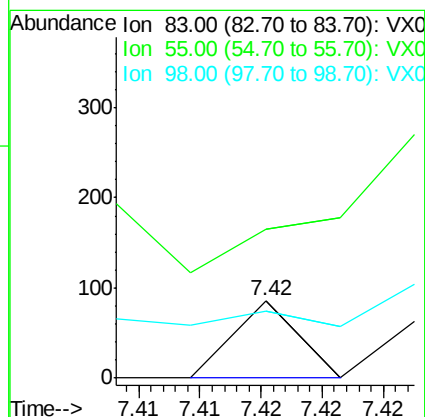
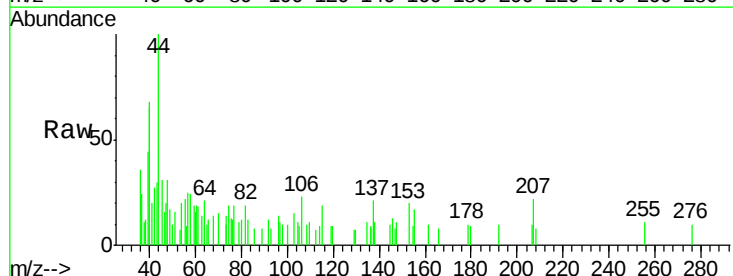
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-TB-20200812

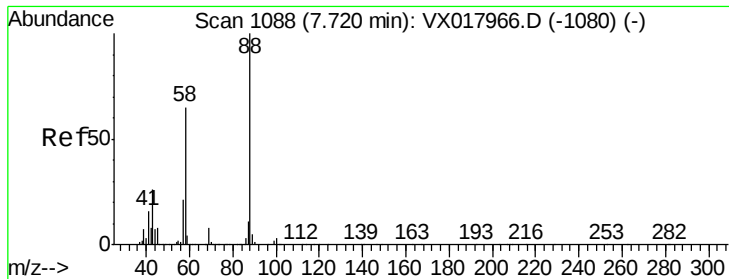
Tgt Ion:117 Resp: 52036
Ion Ratio Lower Upper
117 100
119 7.4 79.0 118.6#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.817 ug/l
RT: 7.42 min Scan# 1038
Delta R.T. -0.02 min
Lab File: VX017980.D
Acq: 19 Aug 2020 13:24

Tgt Ion: 83 Resp: 31
Ion Ratio Lower Upper
83 100
55 55.8 64.5 96.7#
98 0.0 39.0 58.6#





#49

1,4-Dioxane

Concen: 0.830 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.02 min

Lab File: VX017980.D

Acq: 19 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-TB-20200812

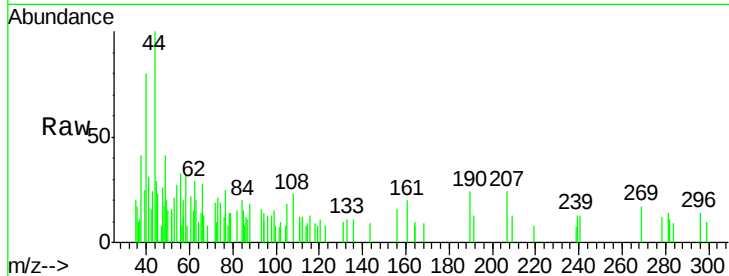
Tgt Ion: 88 Resp: 103

Ion Ratio Lower Upper

88 100

43 0.0 27.3 40.9#

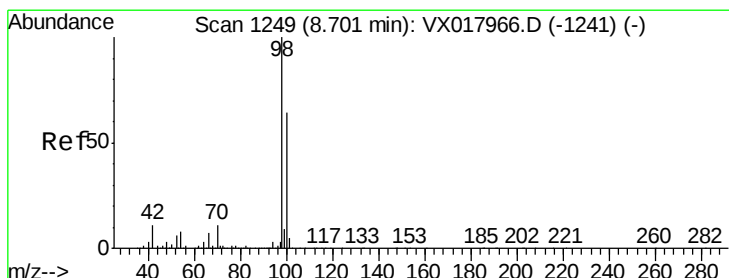
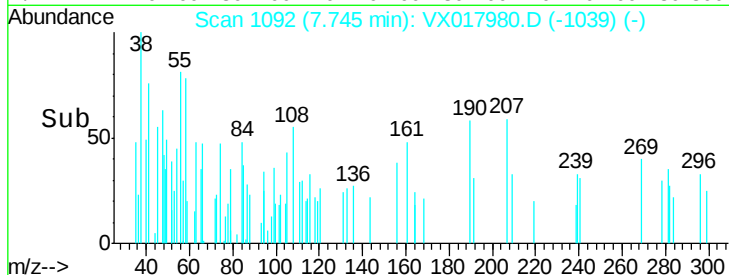
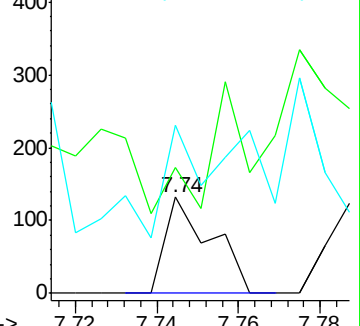
58 154.4 57.7 86.5#



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: 45.408 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX017980.D

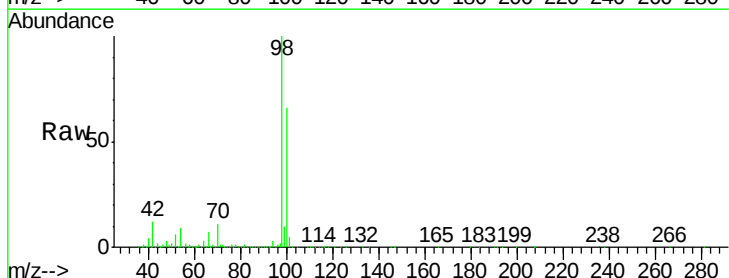
Acq: 19 Aug 2020 13:24

Tgt Ion: 98 Resp: 903909

Ion Ratio Lower Upper

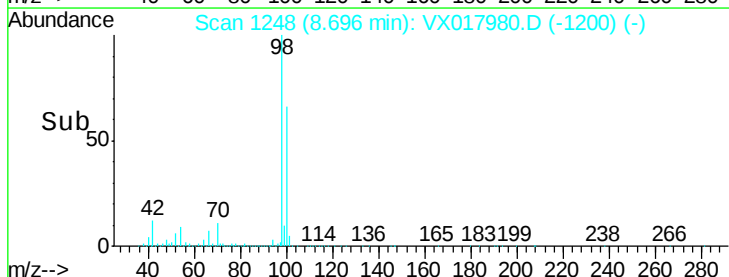
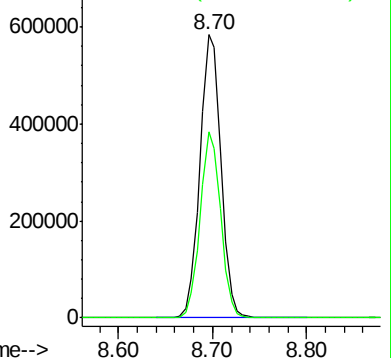
98 100

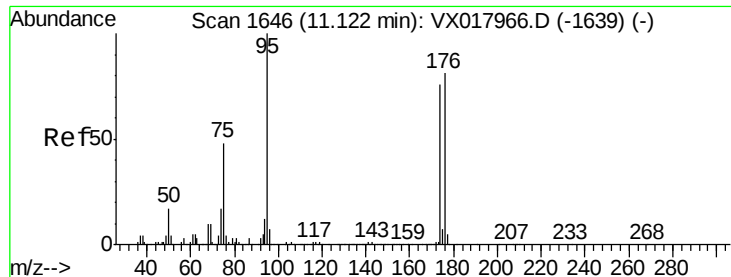
100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.324 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017980.D

Acq: 19 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-TB-20200812

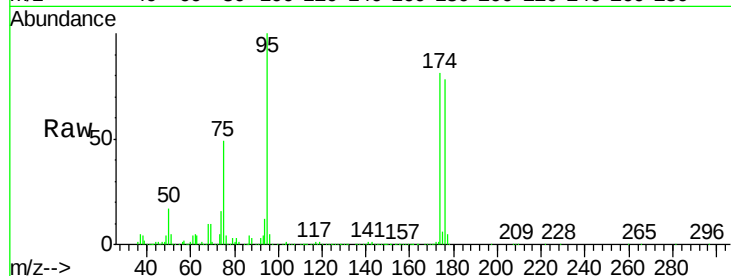
Tgt Ion: 95 Resp: 333236

Ion Ratio Lower Upper

95 100

174 80.9 0.0 166.0

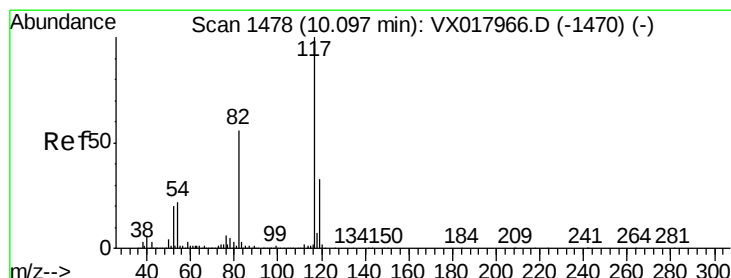
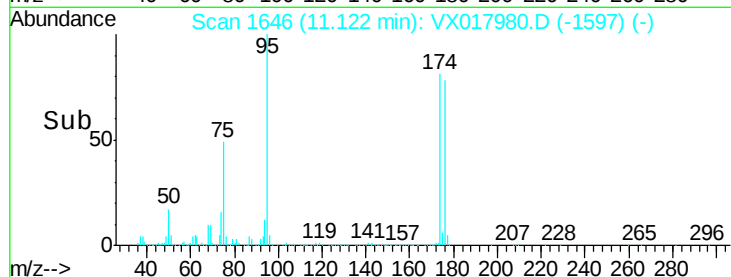
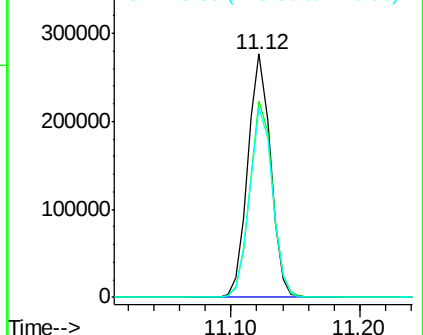
176 78.4 0.0 161.0



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: VX017980.D

Acq: 19 Aug 2020 13:24

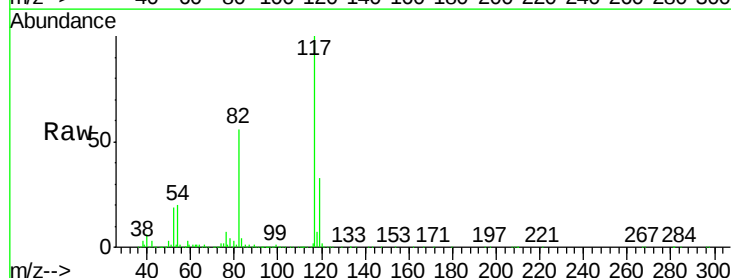
Tgt Ion: 117 Resp: 702147

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

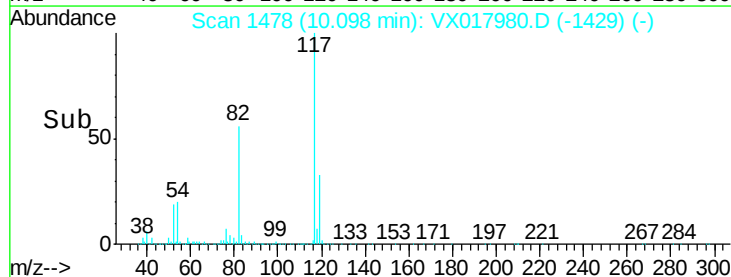
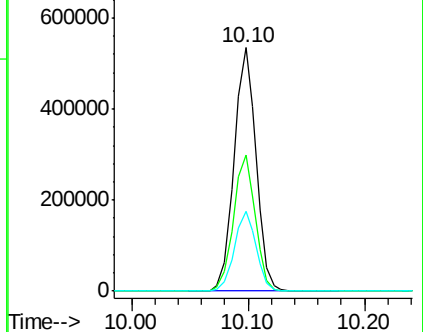
119 32.5 26.2 39.4

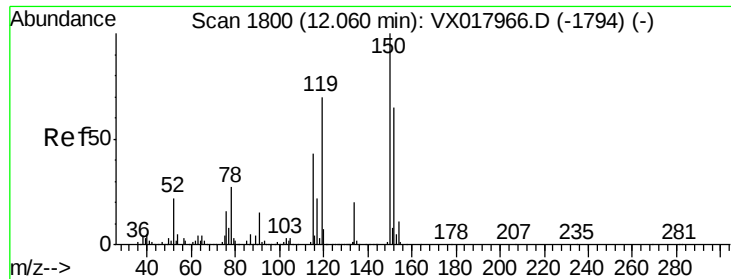


Abundance Ion 116.90 (116.60 to 117.60): VX017966.D (-1470) (-)

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: VX017980.D

Acq: 19 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-TB-20200812

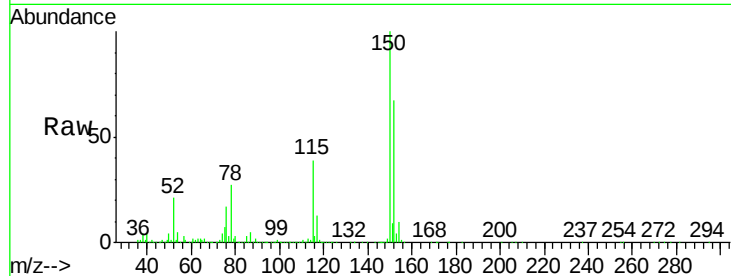
Tgt Ion:152 Resp: 338239

Ion Ratio Lower Upper

152 100

115 58.2 40.6 121.7

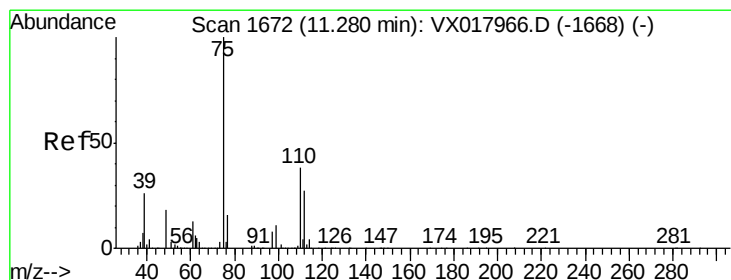
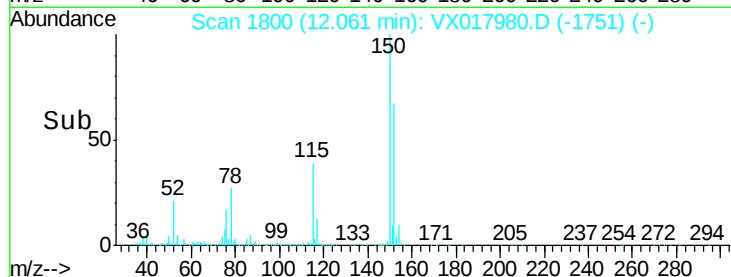
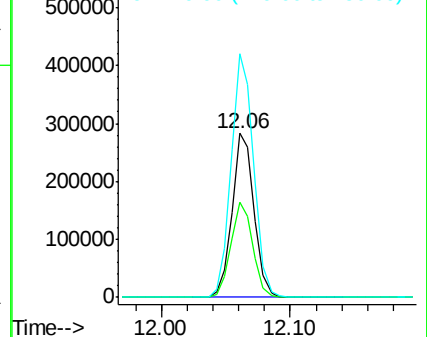
150 152.4 0.0 346.4



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: 22.821 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017980.D

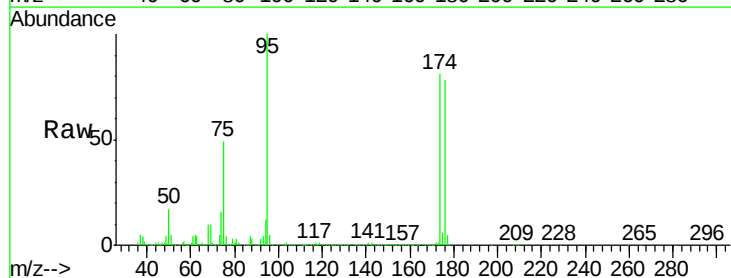
Acq: 19 Aug 2020 13:24

Tgt Ion: 75 Resp: 164155

Ion Ratio Lower Upper

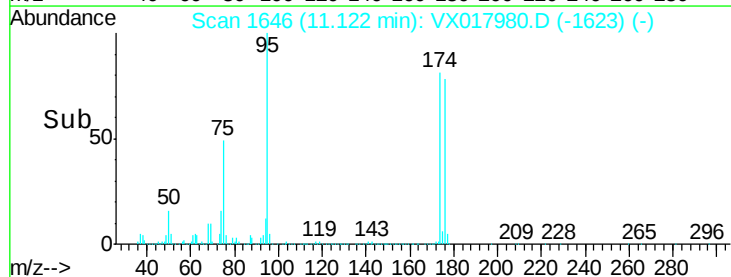
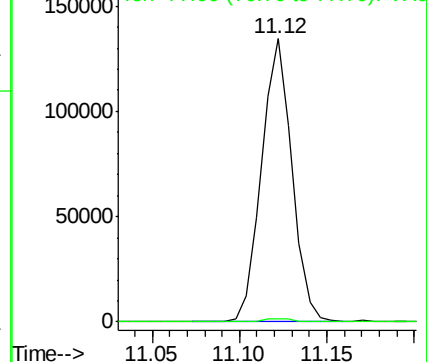
75 100

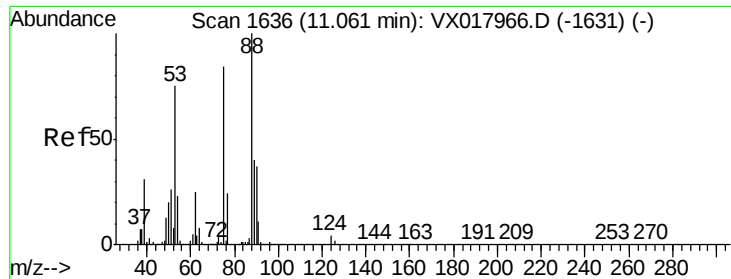
77 1.3 21.1 63.1#



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: 59.953 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017980.D

Acq: 19 Aug 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-TB-20200812

Tgt Ion: 75 Resp: 164155

Ion Ratio Lower Upper

75 100

53 0.6 75.2 112.8#

89 0.2 38.4 57.6#

