

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080320\
 Data File : VX017745.D
 Acq On : 03 Aug 2020 15:00
 Operator : JC/SP
 Sample : L3526-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-58-60

Quant Time: Aug 04 06:53:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	611755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	929787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	794864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	398242	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	396571	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	5.46	113	297571	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.70	98	1041361	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	11.12	95	410572	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	559	Below Cal	#	54
3) Chloromethane	1.32	50	1471	0.560	ug/l #	58
5) Bromomethane	1.61	94	188	Below Cal	#	3
6) Chloroethane	1.72	64	1169	Below Cal	#	71
8) Diethyl Ether	2.18	74	242	Below Cal	#	1
10) Methyl Iodide	2.51	142	2133	0.251	ug/l #	83
11) Tert butyl alcohol	3.02	59	3244	1.959	ug/l #	86
13) Acrolein	2.29	56	1440	5.268	ug/l #	75
15) Acrylonitrile	3.12	53	1593	0.445	ug/l #	61
16) Acetone	2.42	43	77061	22.280	ug/l	95
17) Carbon Disulfide	2.56	76	5595	0.291	ug/l #	95
20) Methylene Chloride	2.84	84	739	Below Cal	#	38
25) 2-Butanone	4.65	43	32630	6.641	ug/l #	90
29) Tetrahydrofuran	5.10	42	6941	2.281	ug/l #	80
31) Cyclohexane	5.64	56	14166	1.462	ug/l #	19
36) 1,1-Dichloropropene	5.63	75	45486	5.101	ug/l #	53
38) Carbon Tetrachloride	5.63	117	60079	5.548	ug/l #	18
40) Benzene	6.11	78	47989	1.877	ug/l	97
49) 1,4-Dioxane	7.73	88	233	1.523	ug/l #	64
51) 4-Methyl-2-Pentanone	8.62	43	5713	0.595	ug/l	96
52) Toluene	8.77	92	117541	7.169	ug/l	99
59) 2-Hexanone	9.47	43	16119	2.229	ug/l	100
65) Chlorobenzene	10.12	112	13133	0.763	ug/l #	74
67) Ethyl Benzene	10.23	91	44594	1.553	ug/l	98
68) m/p-Xylenes	10.34	106	44640	4.012	ug/l	95
69) o-Xylene	10.68	106	31103	2.907	ug/l	99
70) Styrene	10.69	104	3747	0.206	ug/l #	1
73) Isopropylbenzene	11.00	105	5619	0.206	ug/l	88
74) N-amyl acetate	10.90	43	6172	0.508	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	209137	25.529	ug/l #	34
78) n-propylbenzene	11.35	91	17431	0.566	ug/l	95
80) 1,3,5-Trimethylbenzene	11.49	105	8265	0.354	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.12	75	209137	64.328	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	59015	2.544	ug/l	98

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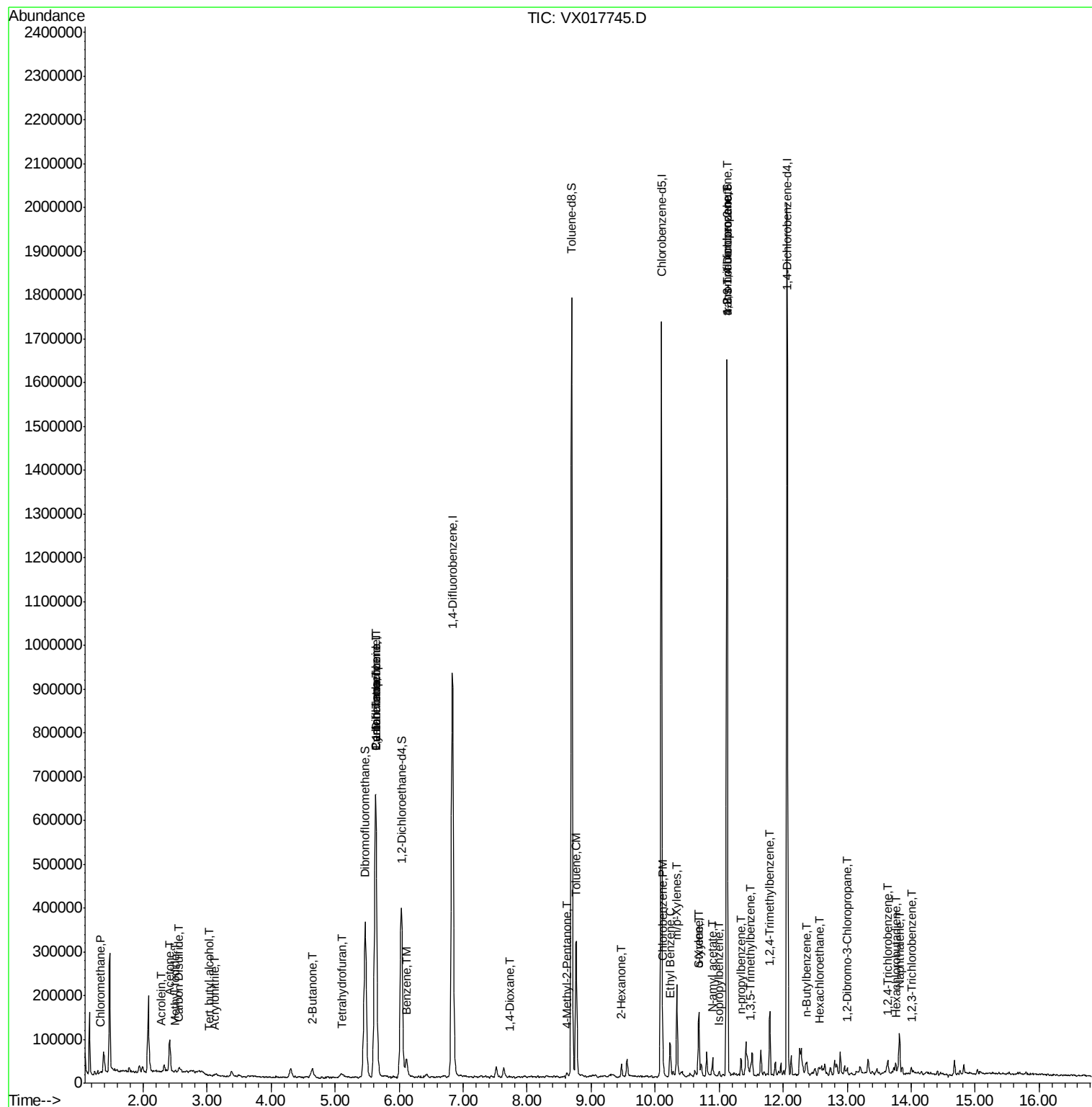
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.37	91	9331	0.423	ug/l #	76
90) Hexachloroethane	12.57	117	1847	0.378	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.00	75	889	2.926	ug/l #	40
93) 1,2,4-Trichlorobenzene	13.63	180	3281	0.372	ug/l #	90
94) Hexachlorobutadiene	13.77	225	2316	0.571	ug/l	92
95) Naphthalene	13.82	128	55684	2.117	ug/l	95
96) 1,2,3-Trichlorobenzene	14.01	180	2697	0.310	ug/l	83

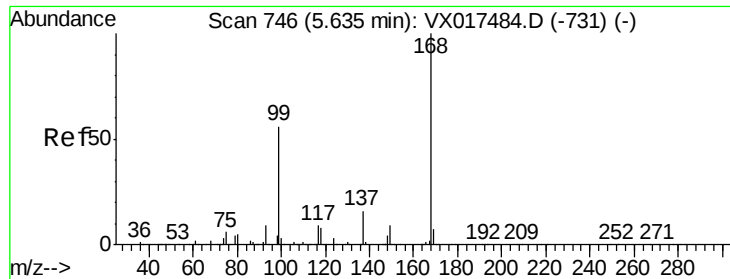
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

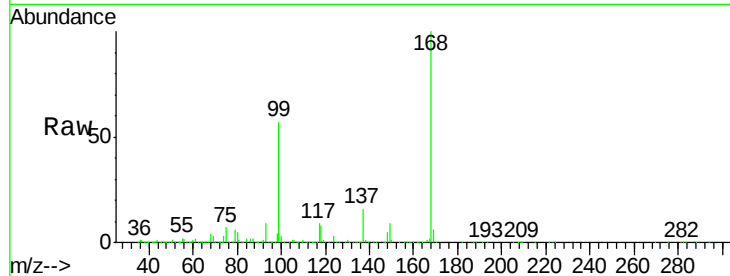
BP-VPB179-GW-58-60

Tot Ion:168 Resp: 611755

Ion Ratio Lower Upper

168 100

99 56.8 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

150000

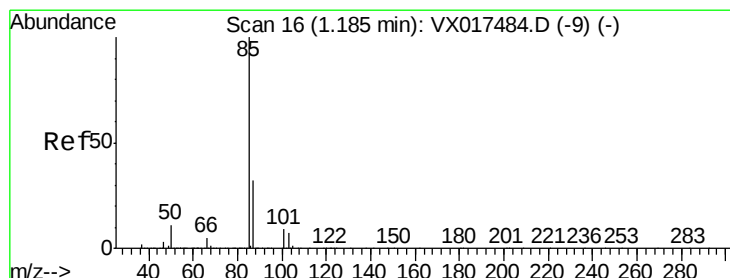
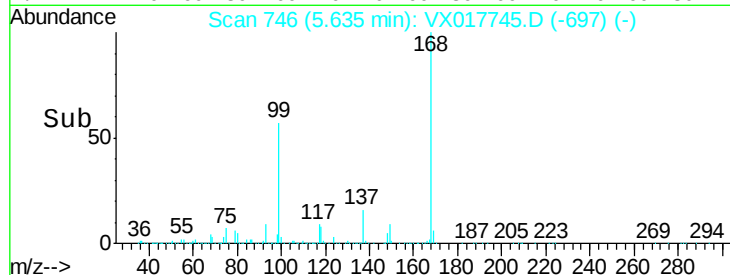
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017745.D

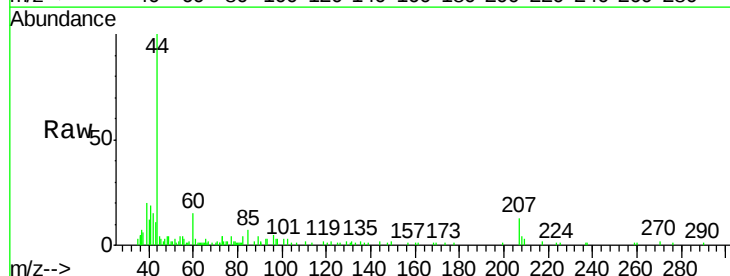
Acq: 03 Aug 2020 15:00

Tgt Ion: 85 Resp: 559

Ion Ratio Lower Upper

85 100

87 6.3 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400

300

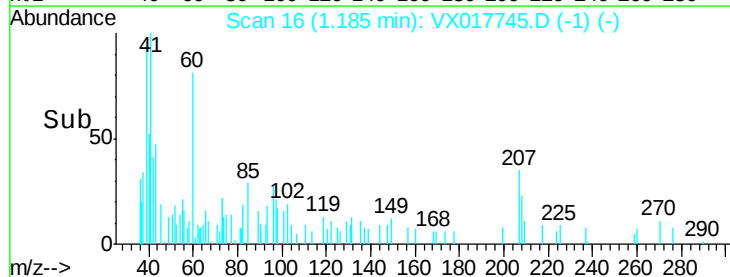
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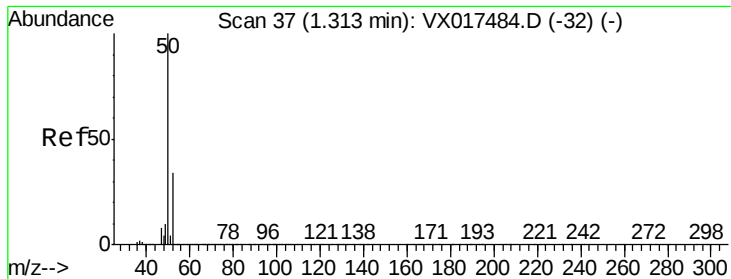
100

0

Time-->

1.15 1.20





#3

Chloromethane

Concen: 0.560 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

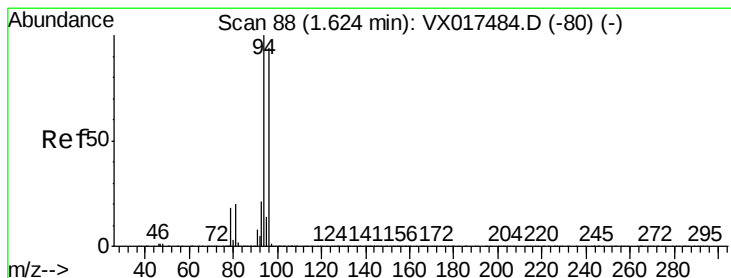
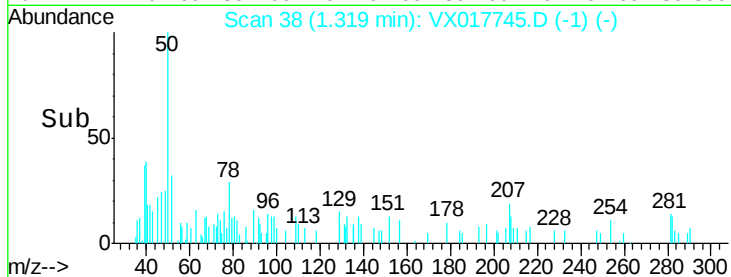
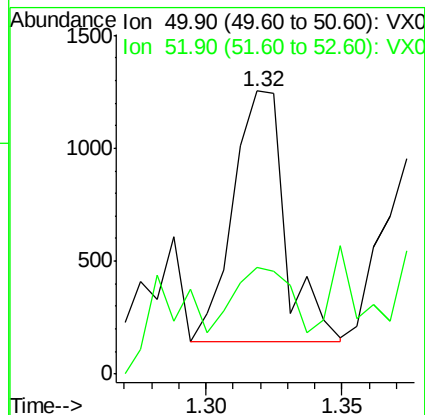
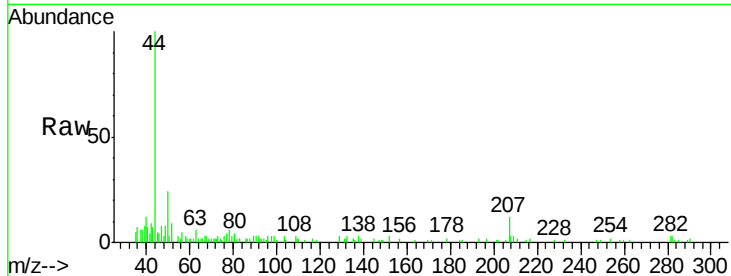
BP-VPB179-GW-58-60

Tot Ion: 50 Resp: 1471

Ion Ratio Lower Upper

50 100

52 8.8 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017745.D

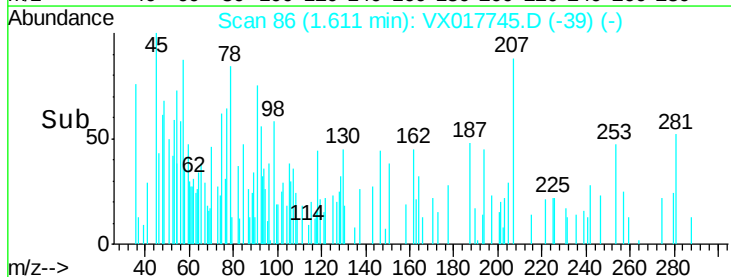
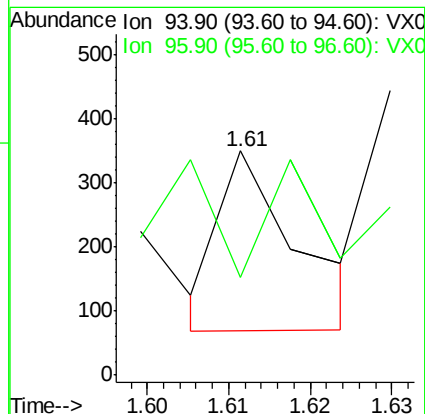
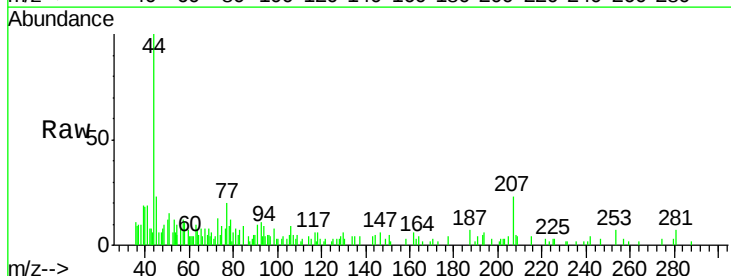
Acq: 03 Aug 2020 15:00

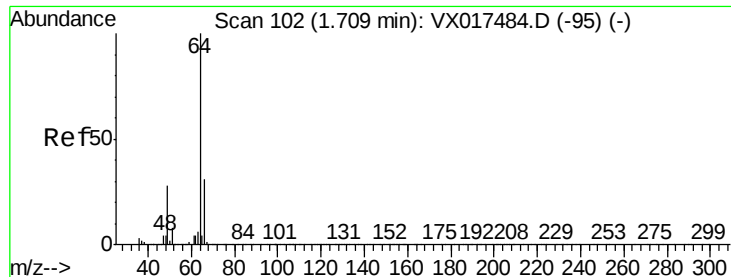
Tgt Ion: 94 Resp: 188

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

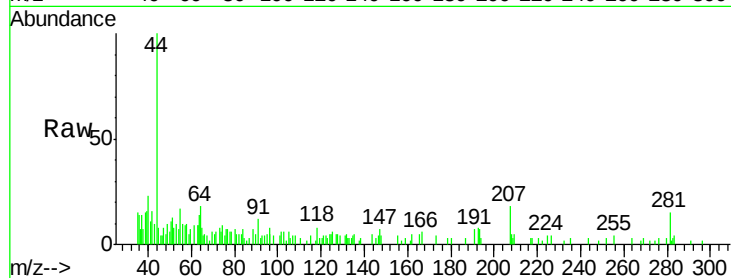
BP-VPB179-GW-58-60

Tot Ion: 64 Resp: 1169

Ion Ratio Lower Upper

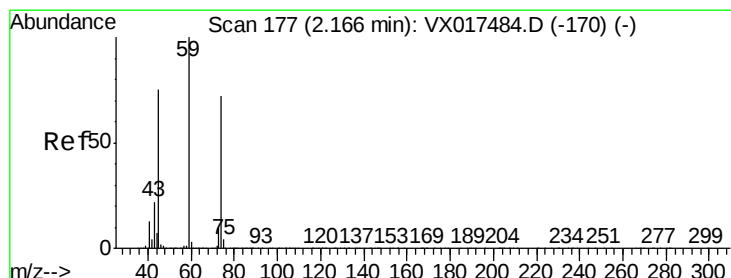
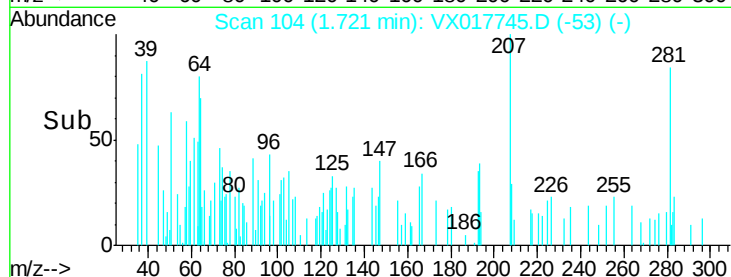
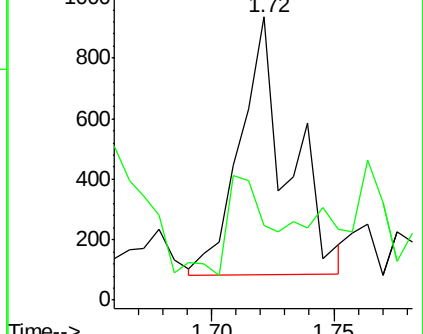
64 100

66 14.9 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 180

Delta R.T. 0.02 min

Lab File: VX017745.D

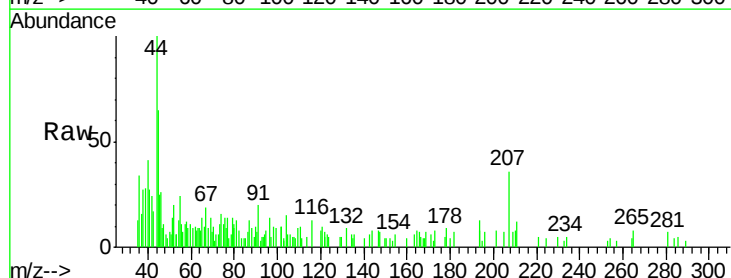
Acq: 03 Aug 2020 15:00

Tgt Ion: 74 Resp: 242

Ion Ratio Lower Upper

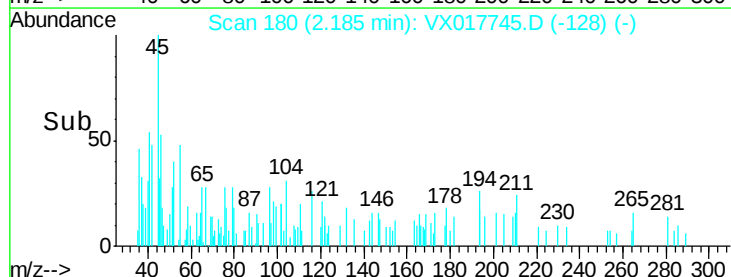
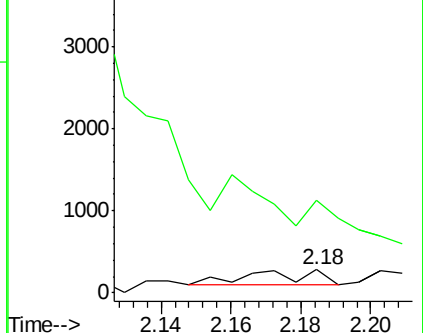
74 100

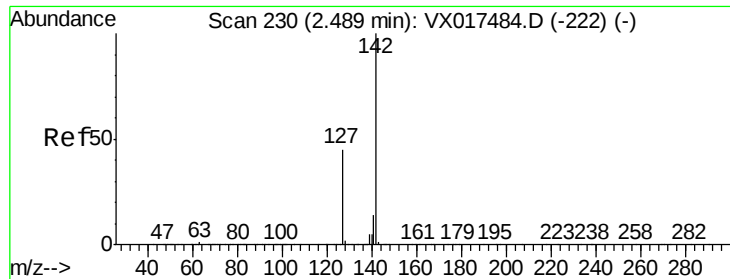
45 0.0 50.8 152.5#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

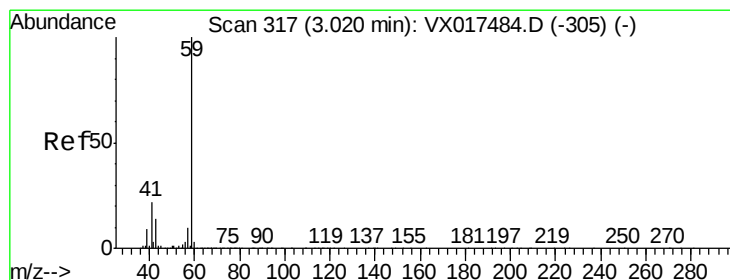
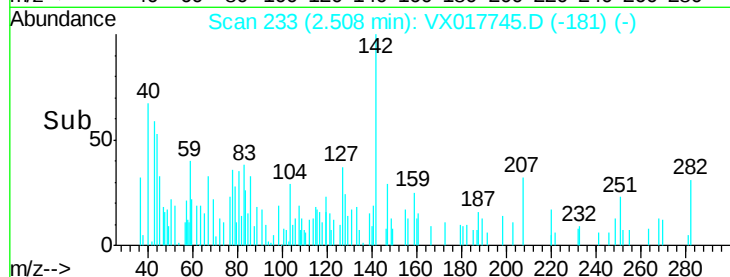
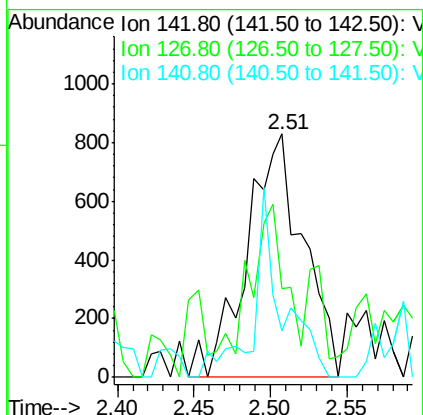
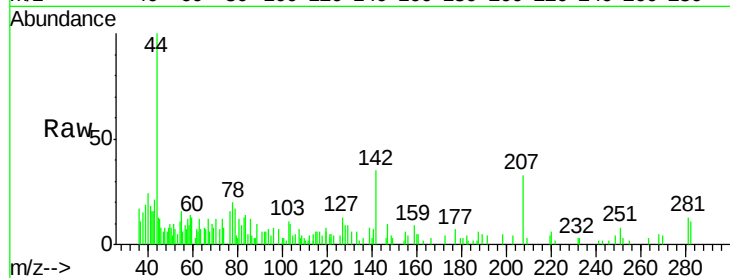




#10
Methvl Iodide
Concen: 0.251 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

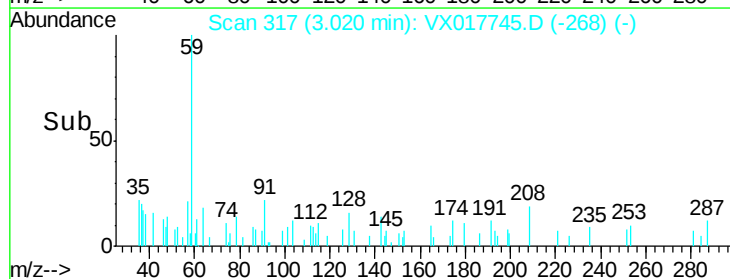
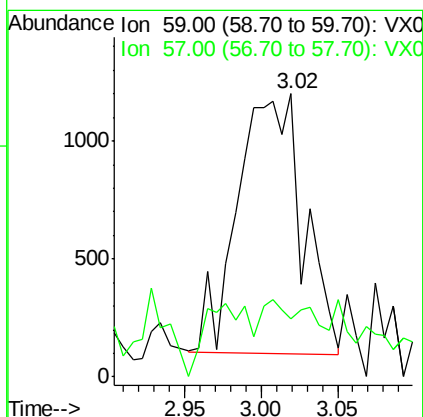
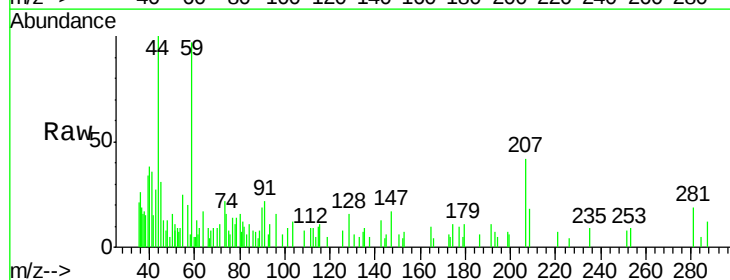
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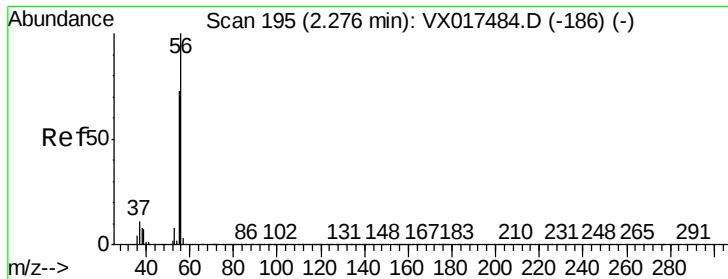
Tot Ion:142 Resp: 2133
Ion Ratio Lower Upper
142 100
127 46.7 35.9 53.9
141 38.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.959 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion: 59 Resp: 3244
Ion Ratio Lower Upper
59 100
57 5.3 8.6 12.8#





#13

Acrolein

Concen: 5.268 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

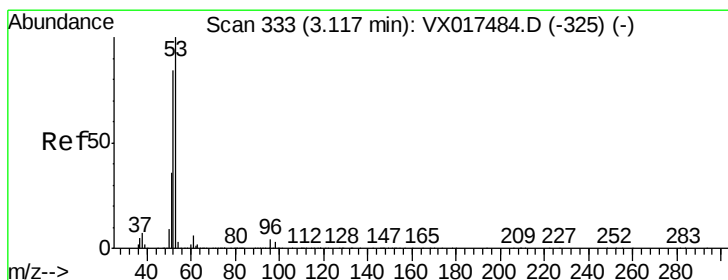
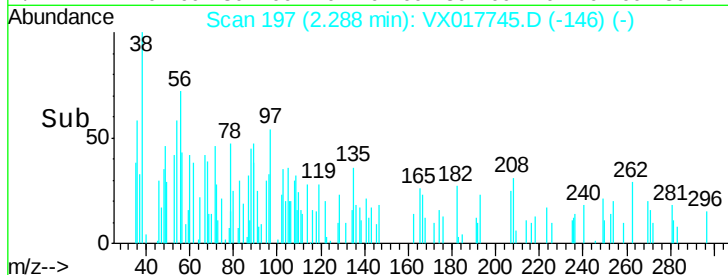
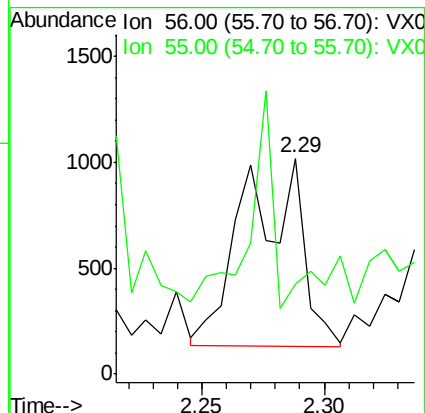
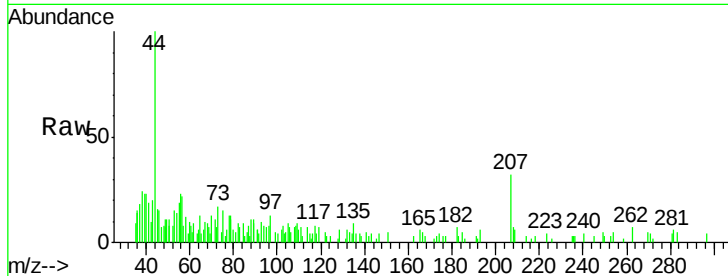
BP-VPB179-GW-58-60

Tot Ion: 56 Resp: 1440

Ion Ratio Lower Upper

56 100

55 51.2 57.4 86.2#



#15

Acrylonitrile

Concen: 0.445 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

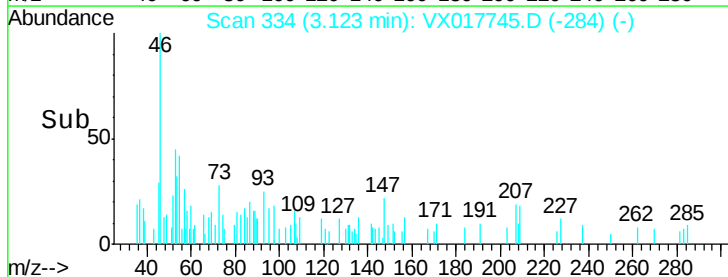
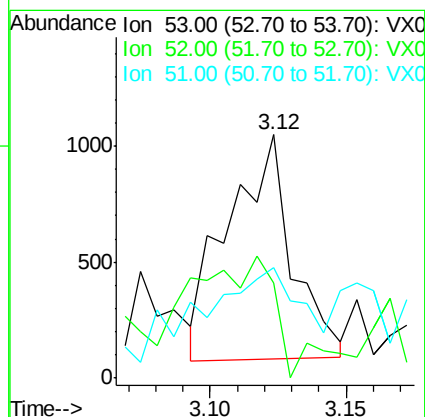
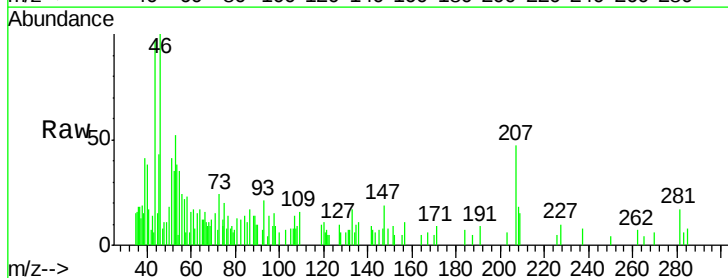
Tgt Ion: 53 Resp: 1593

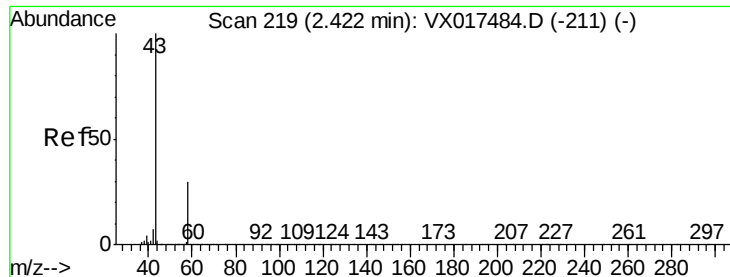
Ion Ratio Lower Upper

53 100

52 50.2 66.6 99.8#

51 63.8 29.4 44.2#

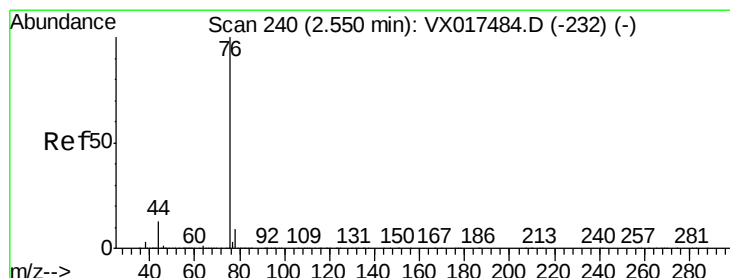
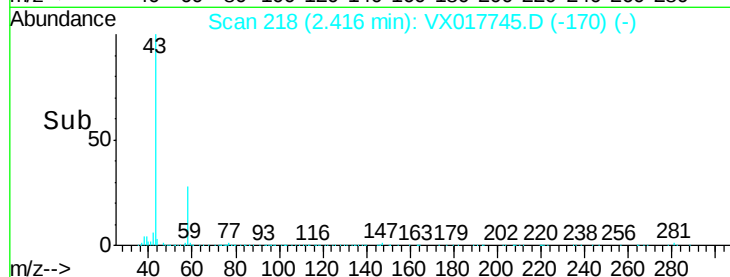
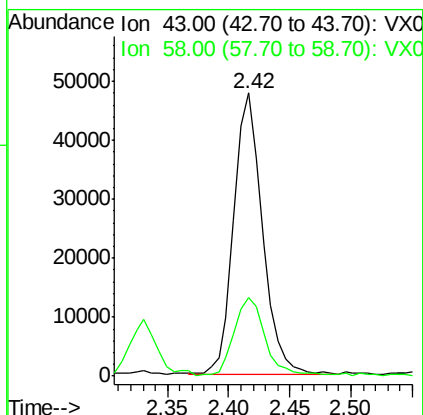
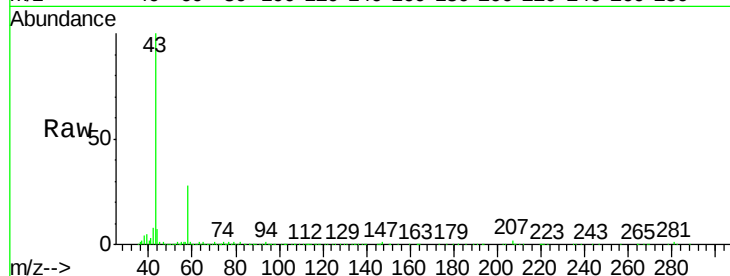




#16
Acetone
Concen: 22.280 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

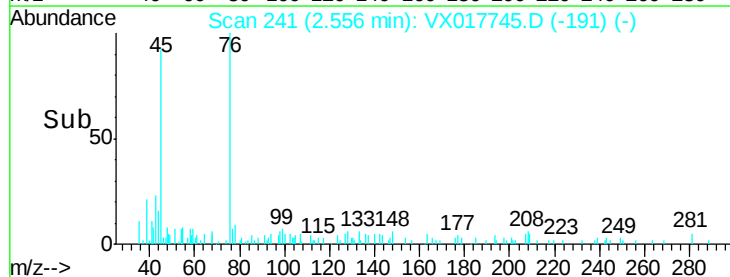
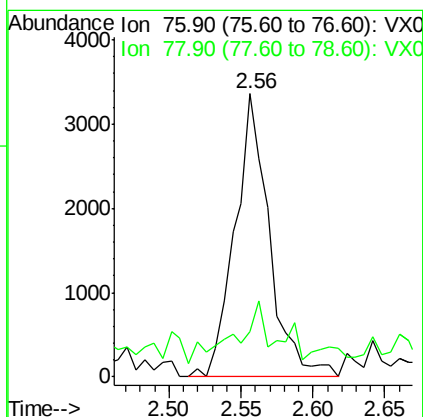
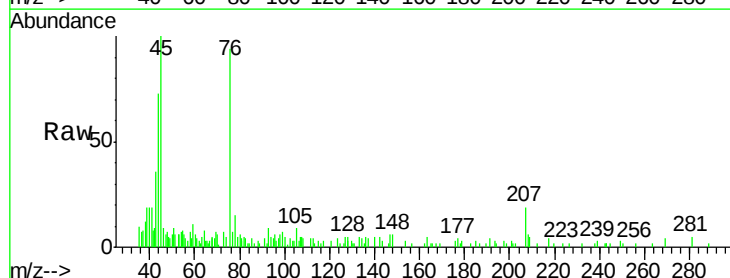
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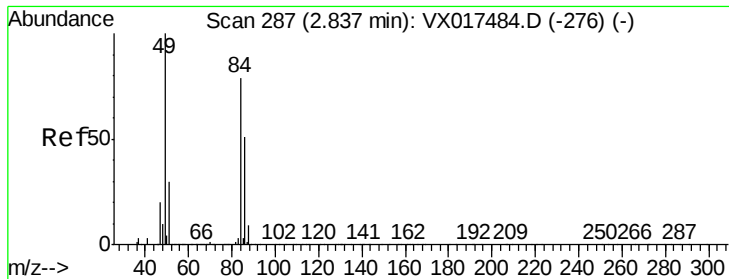
Tot Ion: 43 Resp: 77061
Ion Ratio Lower Upper
43 100
58 27.5 24.2 36.4



#17
Carbon Disulfide
Concen: 0.291 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion: 76 Resp: 5595
Ion Ratio Lower Upper
76 100
78 11.3 7.5 11.3#

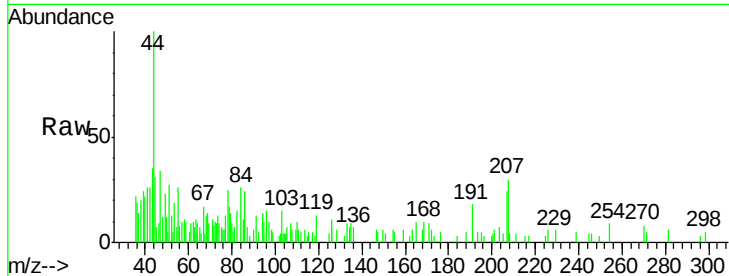




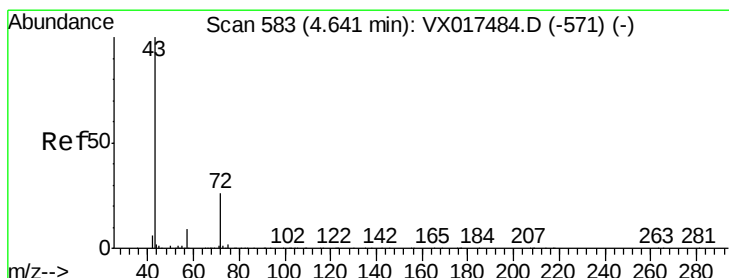
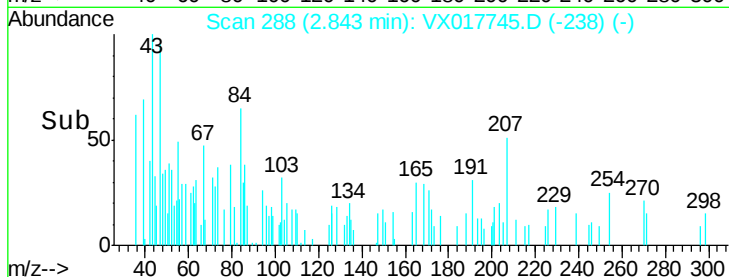
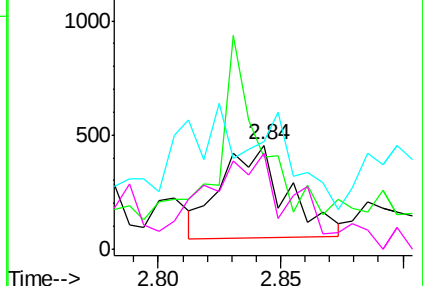
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

Tot Ion: 84 Resp: 739
Ion Ratio Lower Upper
84 100
49 52.6 100.3 150.5#
51 85.8 30.5 45.7#
86 101.2 51.1 76.7#

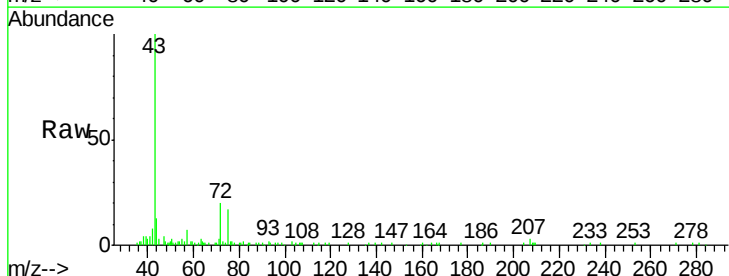


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

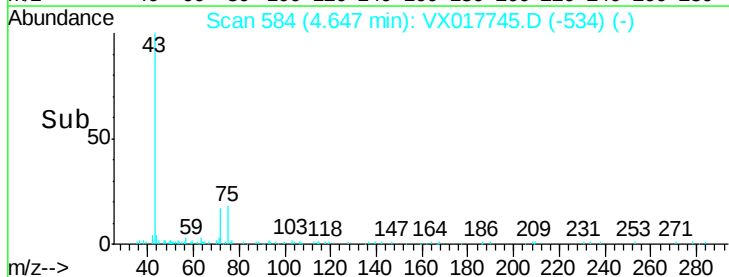
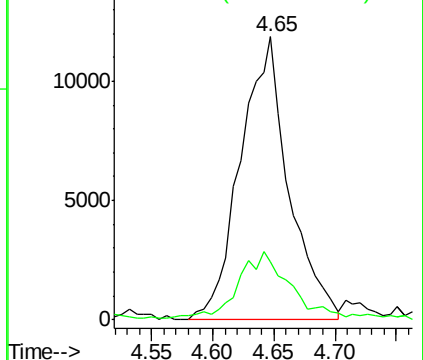


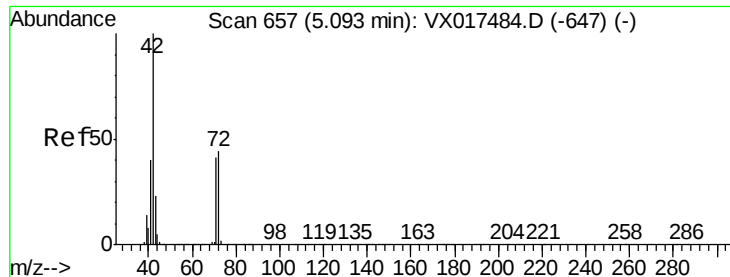
#25
2-Butanone
Concen: 6.641 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion: 43 Resp: 32630
Ion Ratio Lower Upper
43 100
72 18.9 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 2.281 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

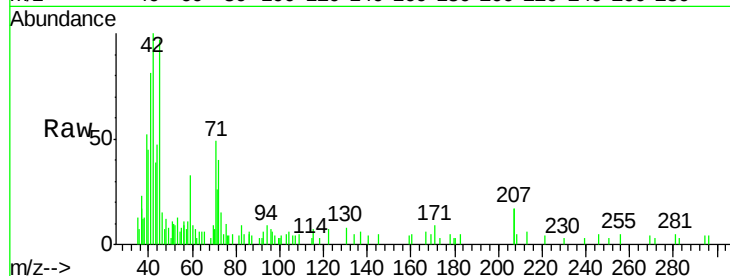
Tot Ion: 42 Resp: 6941

Ion Ratio Lower Upper

42 100

72 21.3 35.5 53.3#

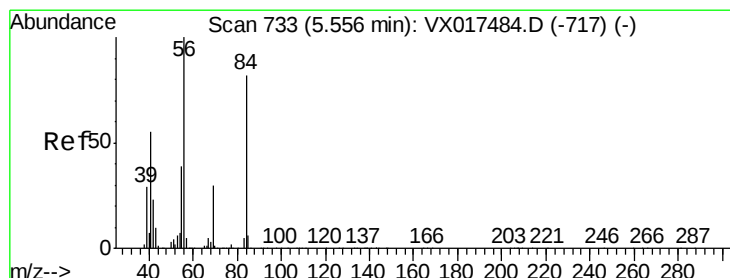
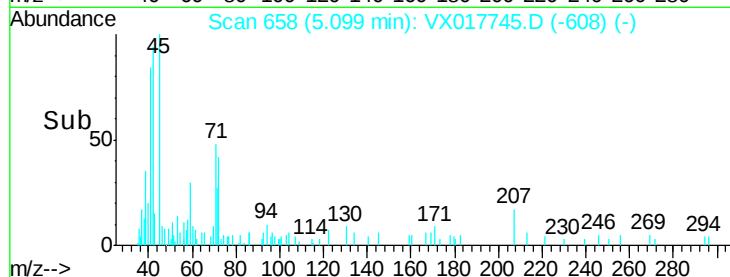
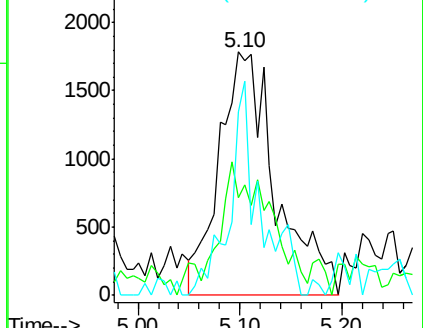
71 39.7 33.0 49.4



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: 1.462 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.08 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

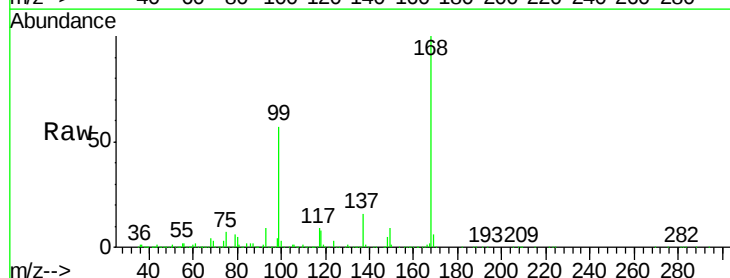
Tgt Ion: 56 Resp: 14166

Ion Ratio Lower Upper

56 100

69 165.6 24.2 36.4#

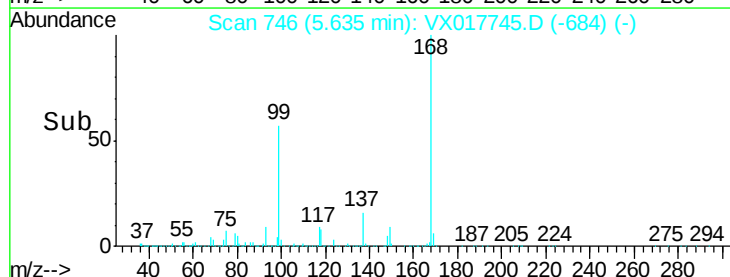
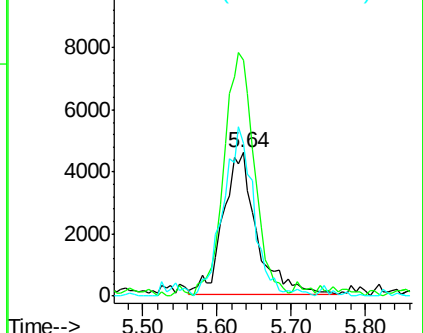
84 106.8 69.0 103.6#

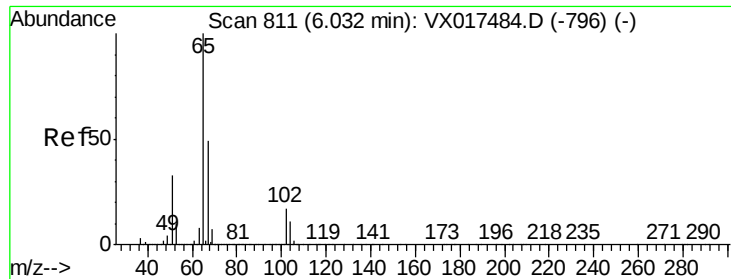


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.465 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

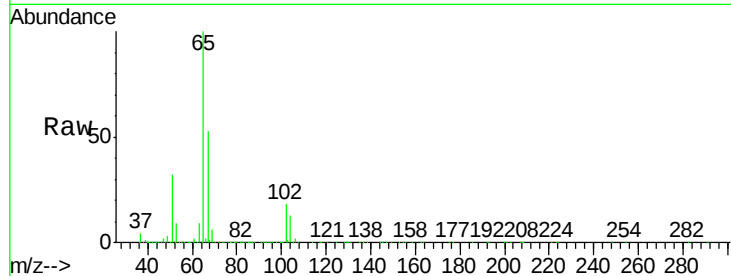
BP-VPB179-GW-58-60

Tot Ion: 65 Resp: 396571

Ion Ratio Lower Upper

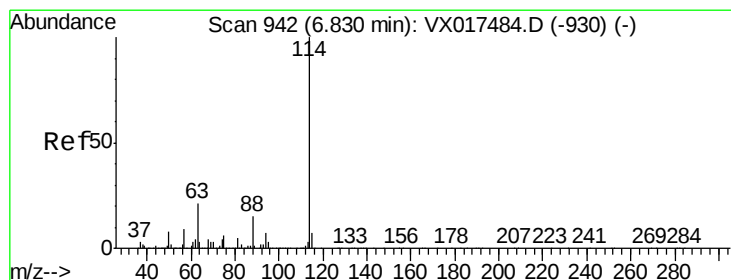
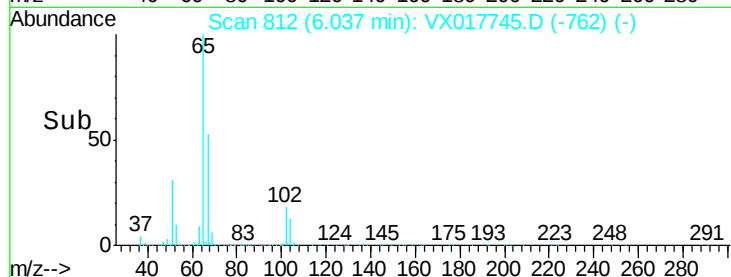
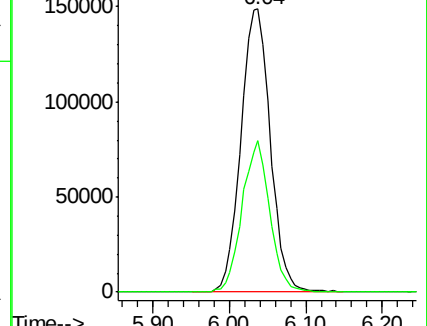
65 100

67 50.3 0.0 102.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

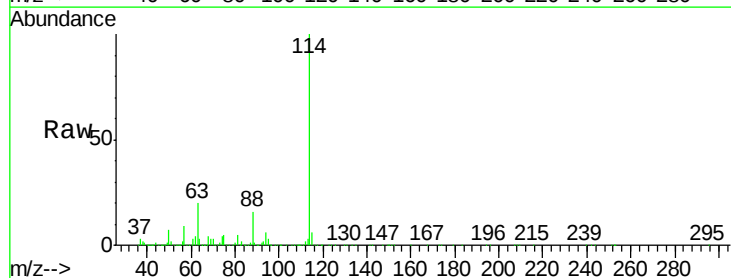
Tgt Ion: 114 Resp: 929787

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

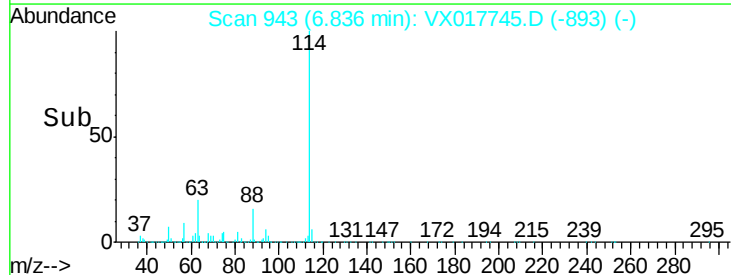
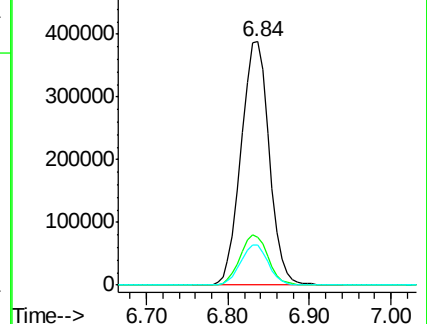
88 16.2 0.0 33.4

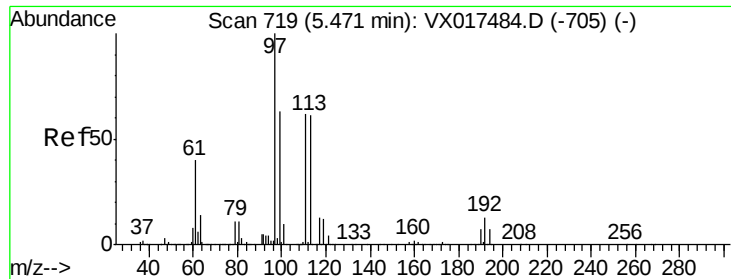


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

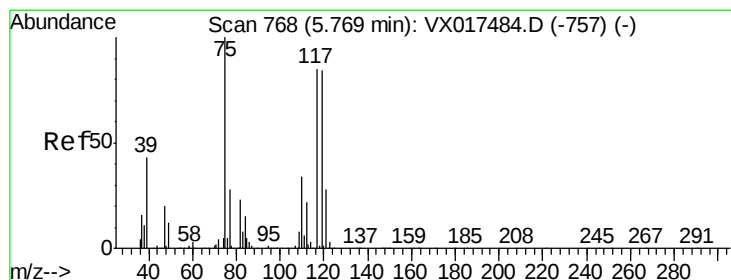
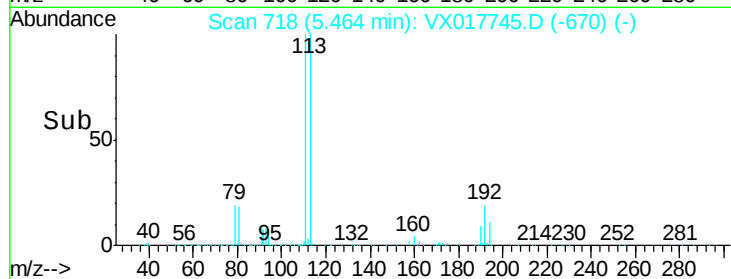
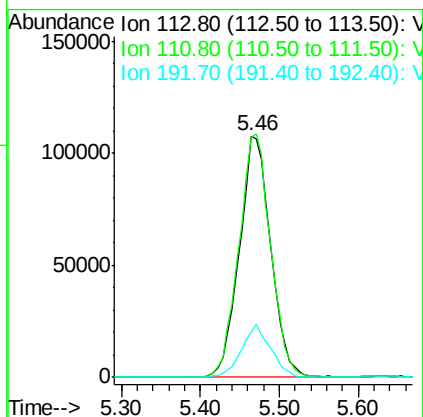
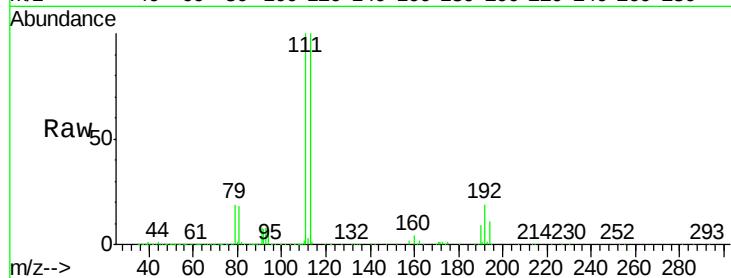




#35
Dibromofluoromethane
Concen: 47.853 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

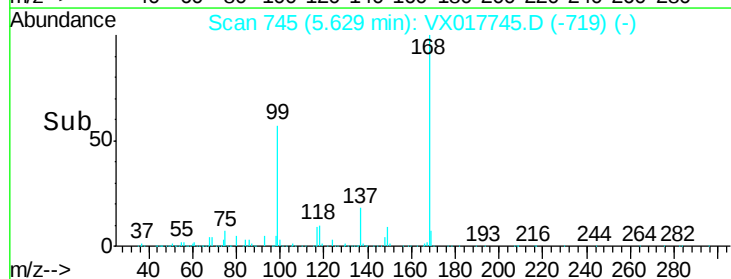
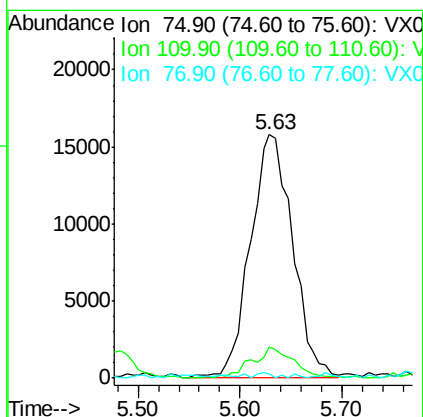
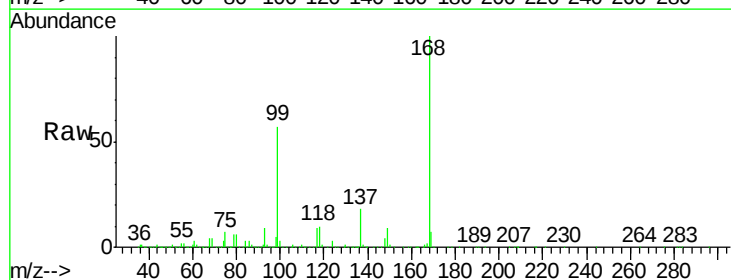
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

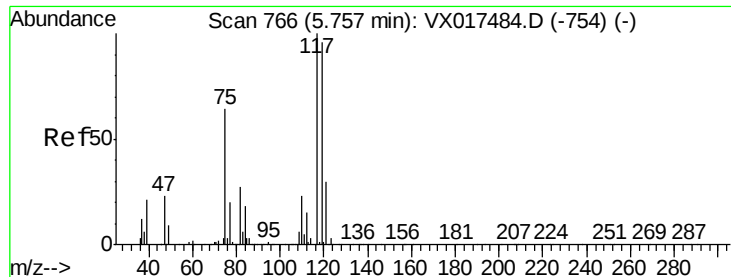
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.7	121.1
192	20.5	16.9	25.3



#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.6	18.1	54.3#
77	0.9	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.548 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

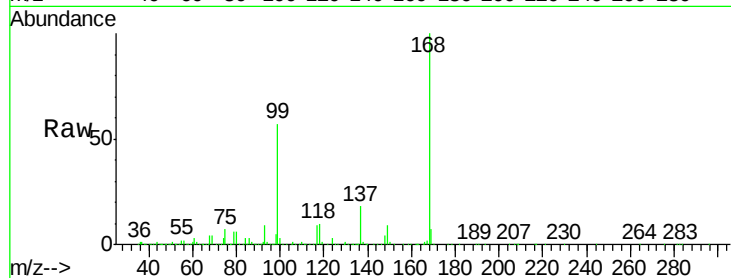
Tot Ion:117 Resp: 60079

Ion Ratio Lower Upper

117 100

119 6.4 75.4 113.0#

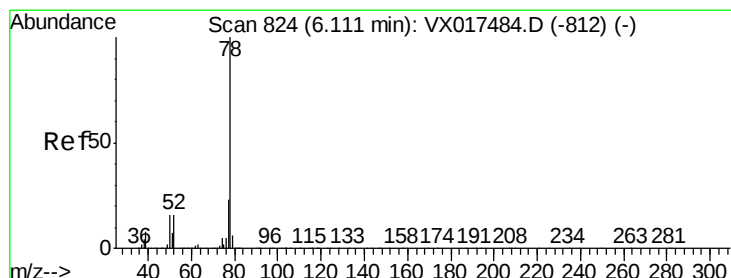
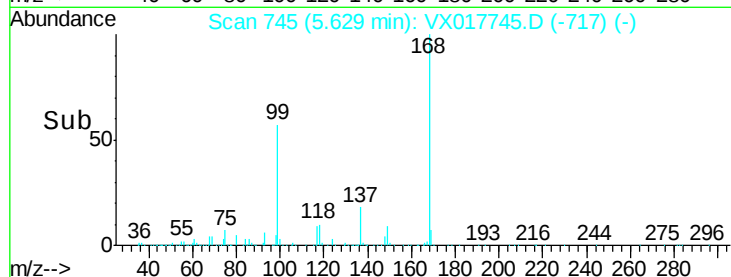
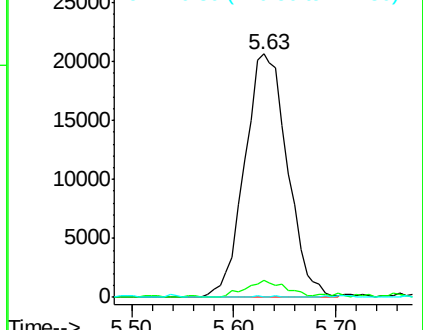
121 0.0 24.3 36.5#



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



#40

Benzene

Concen: 1.877 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX017745.D

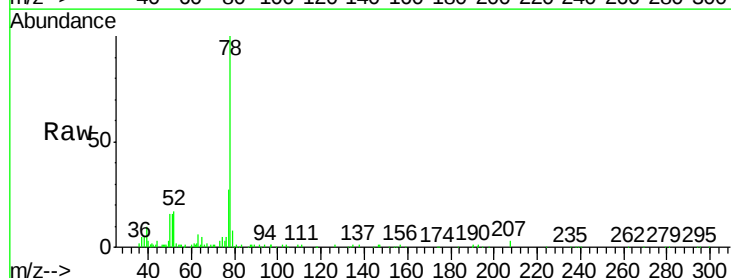
Acq: 03 Aug 2020 15:00

Tgt Ion: 78 Resp: 47989

Ion Ratio Lower Upper

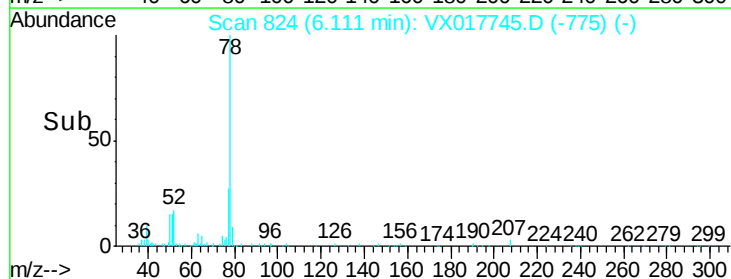
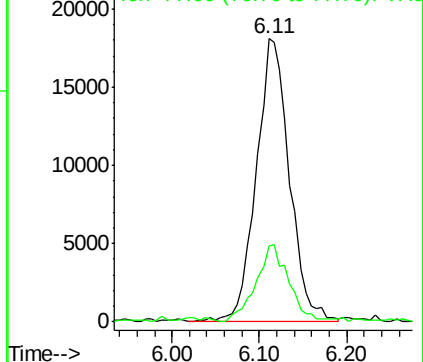
78 100

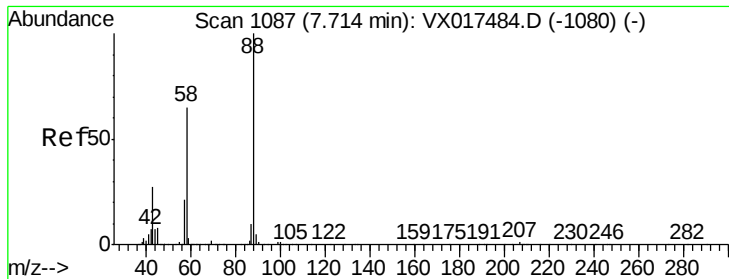
77 26.0 19.4 29.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: 1.523 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

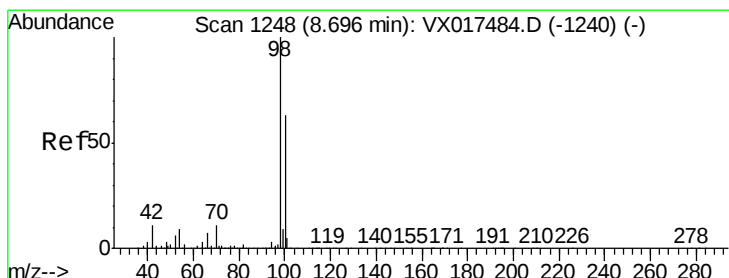
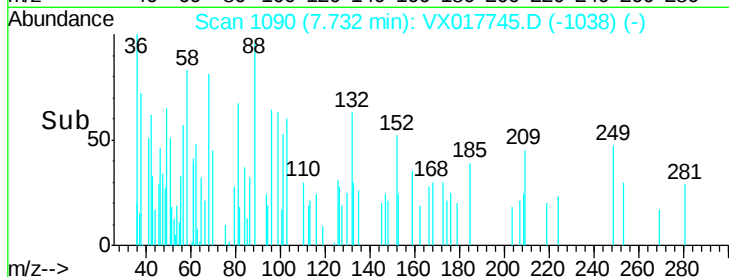
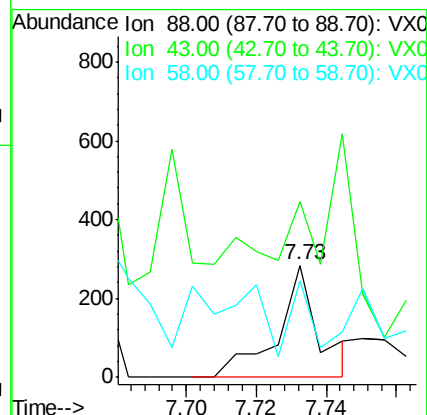
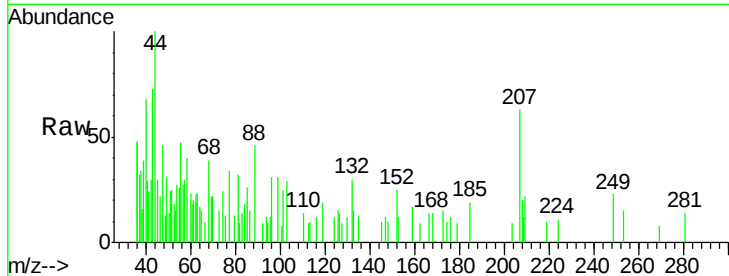
Tot Ion: 88 Resp: 233

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

58 93.6 58.3 87.5#



#50

Toluene-d8

Concen: 46.421 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017745.D

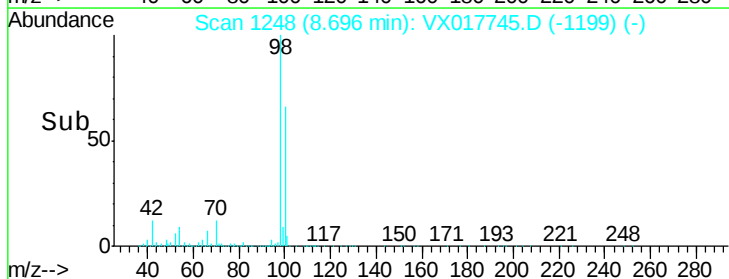
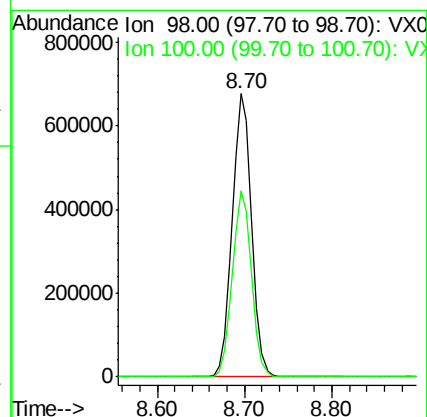
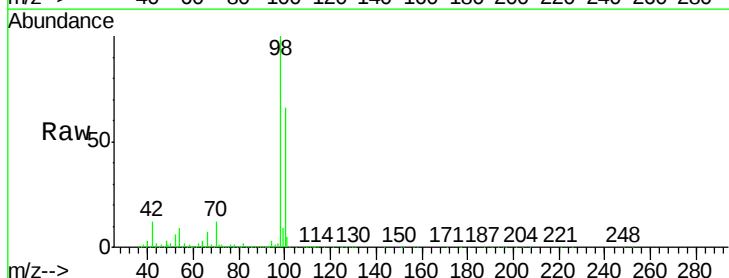
Acq: 03 Aug 2020 15:00

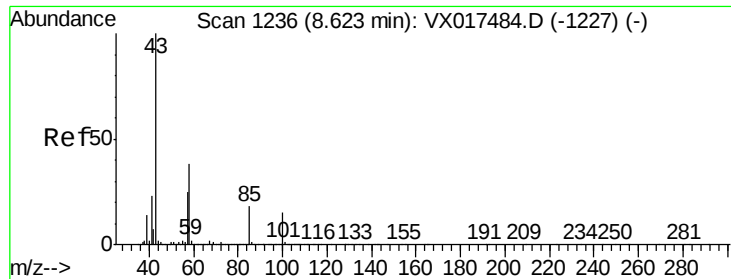
Tgt Ion: 98 Resp: 1041361

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5

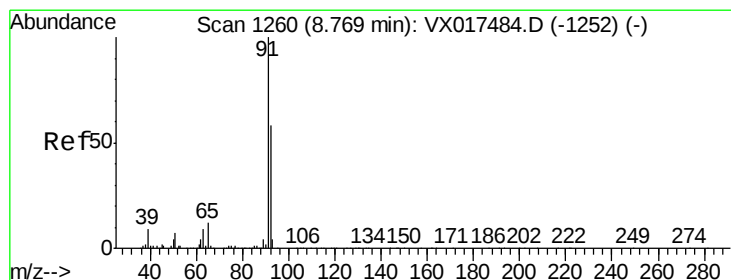
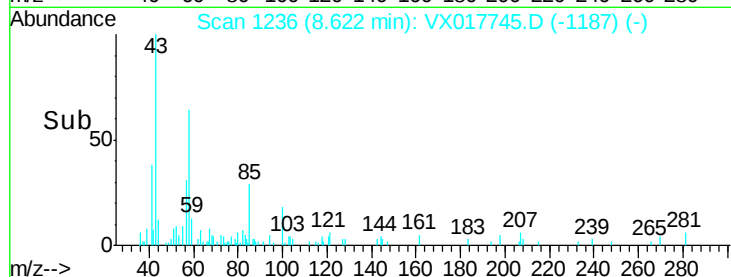
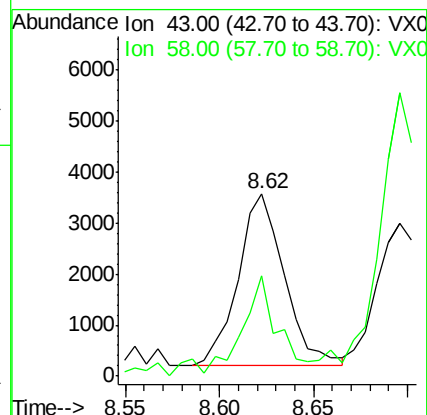
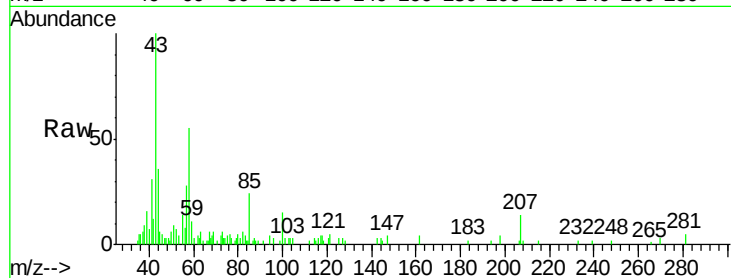




#51
4-Methyl-2-Pentanone
Concen: 0.595 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

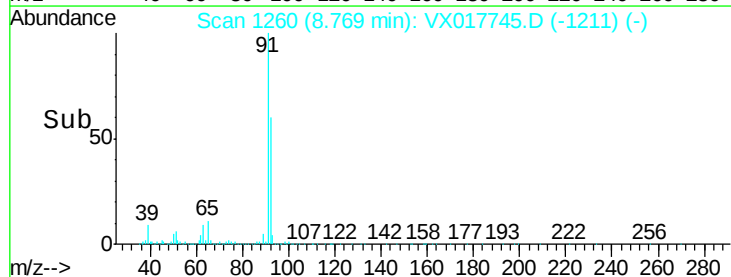
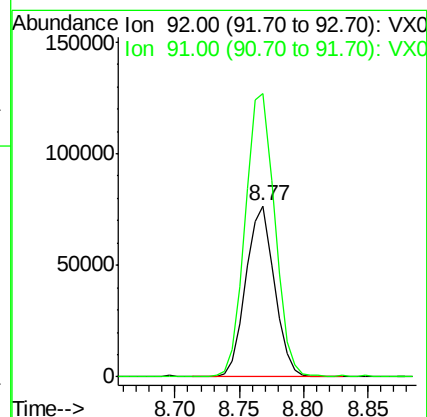
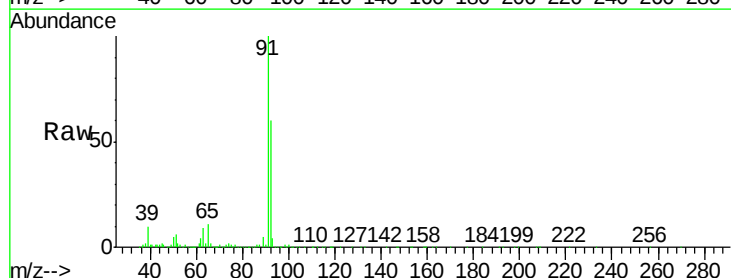
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

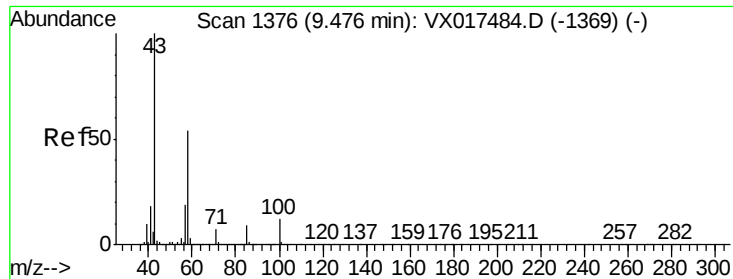
Tot Ion: 43 Resp: 5713
Ion Ratio Lower Upper
43 100
58 41.0 31.0 46.4



#52
Toluene
Concen: 7.169 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion: 92 Resp: 117541
Ion Ratio Lower Upper
92 100
91 171.1 137.6 206.4

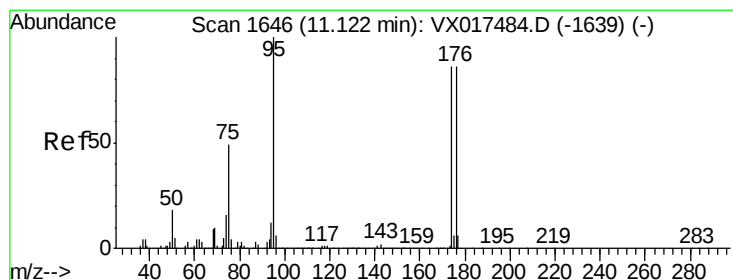
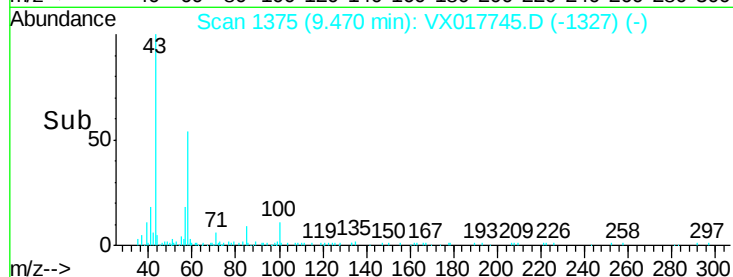
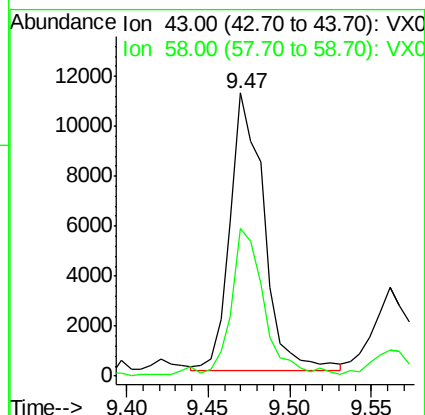
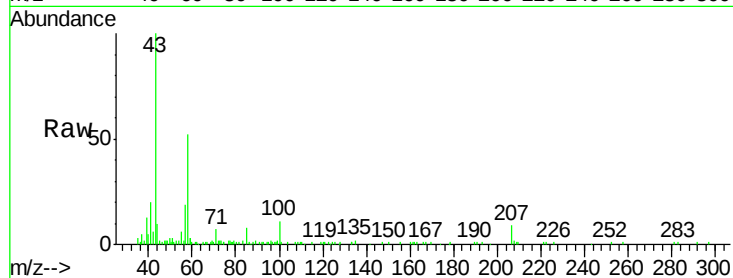




#59
2-Hexanone
Concen: 2.229 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

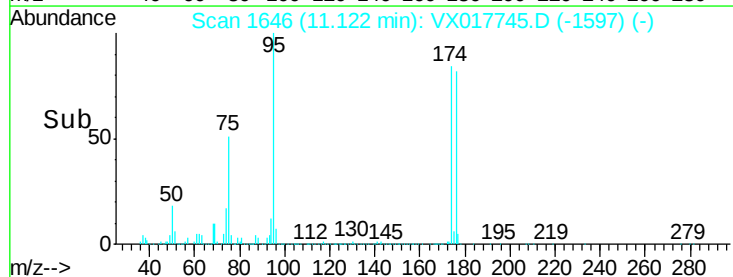
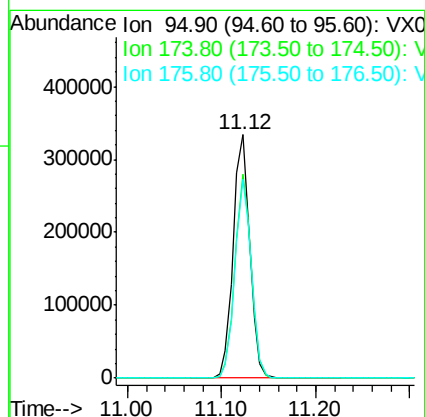
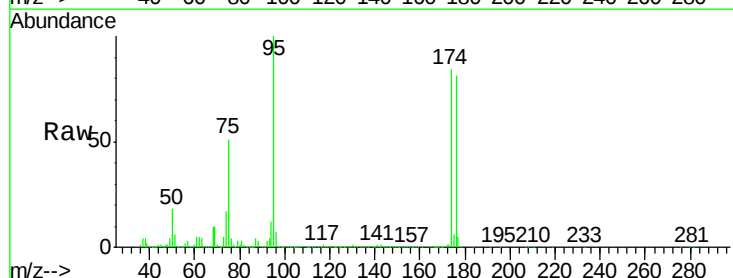
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

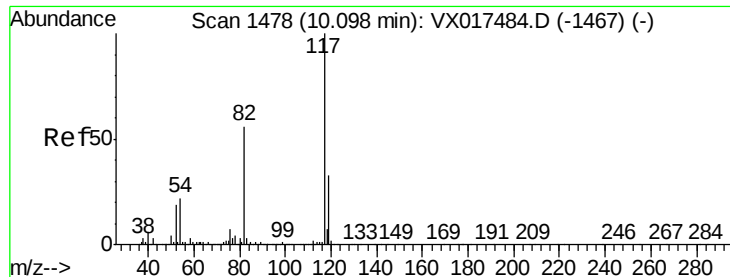
Tot Ion: 43 Resp: 16119
Ion Ratio Lower Upper
43 100
58 53.2 26.6 79.8



#62
4-Bromofluorobenzene
Concen: 45.732 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion: 95 Resp: 410572
Ion Ratio Lower Upper
95 100
174 81.8 0.0 169.0
176 80.3 0.0 161.0

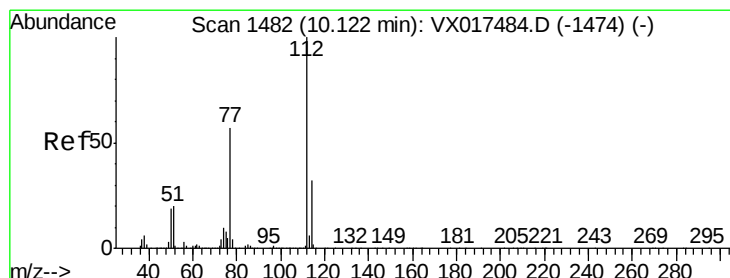
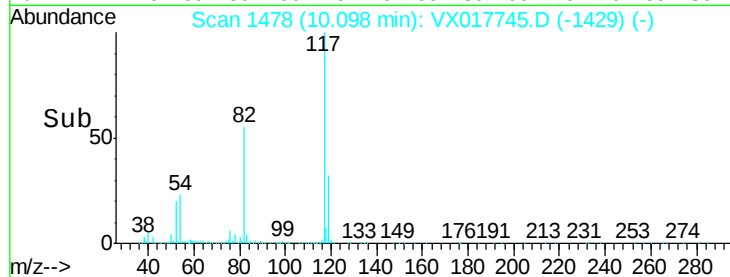
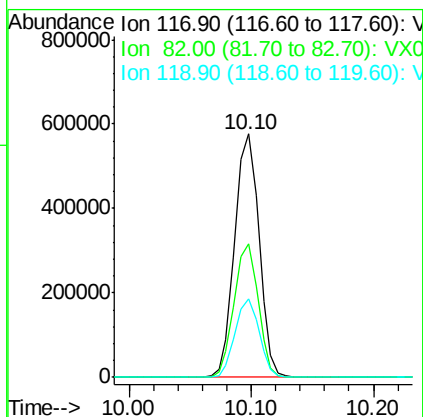
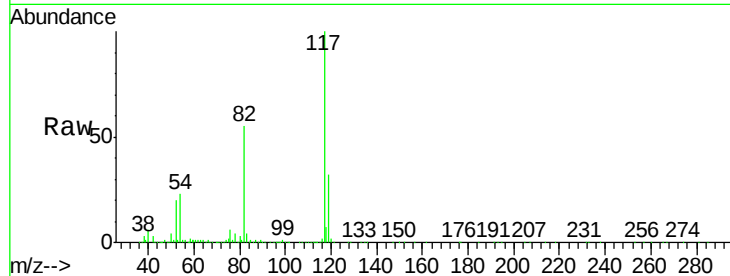




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

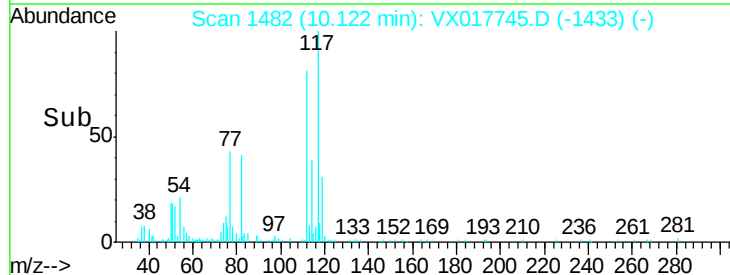
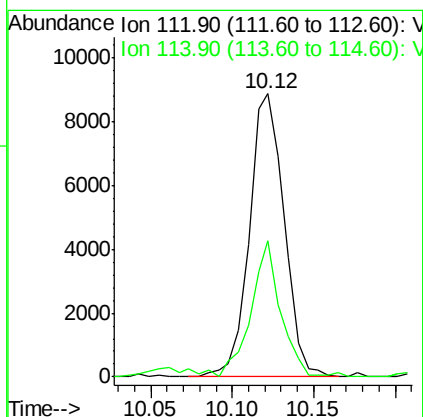
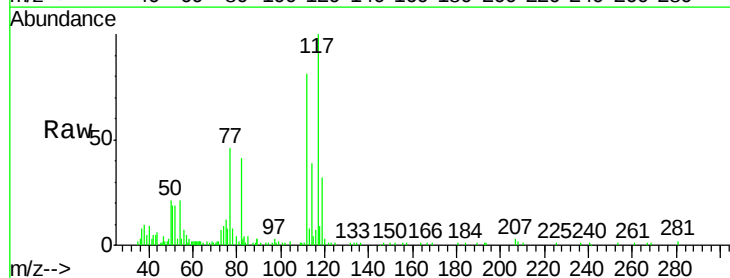
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

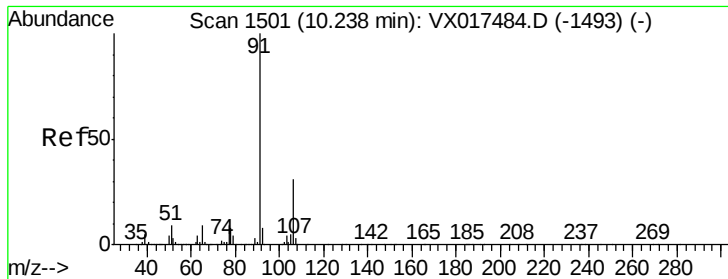
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.0	66.0
119	32.4	25.4	38.0



#65
Chlorobenzene
Concen: 0.763 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	46.7	25.7	38.5#





#67

Ethyl Benzene

Concen: 1.553 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

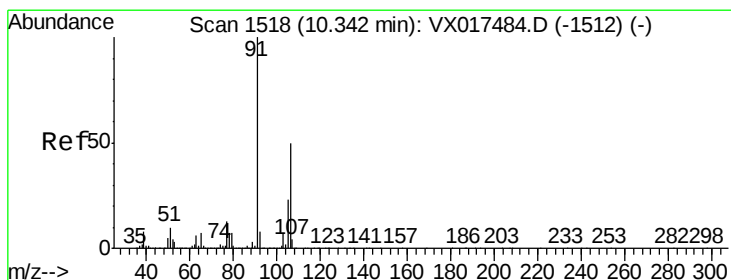
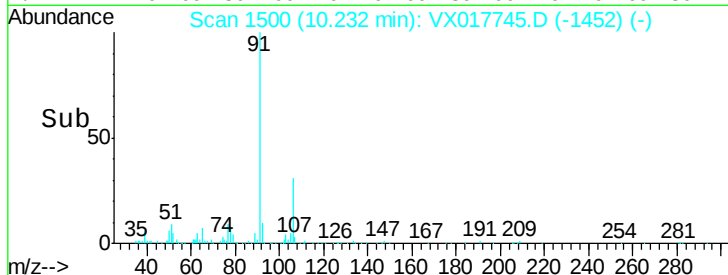
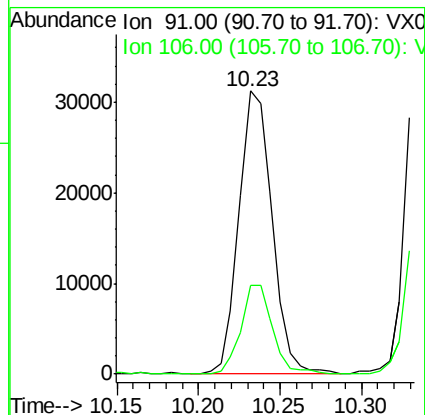
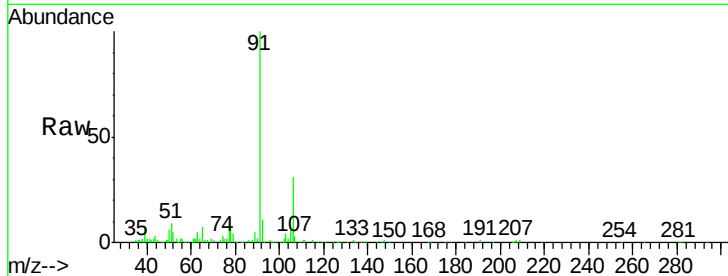
BP-VPB179-GW-58-60

Tot Ion: 91 Resp: 44594

Ion Ratio Lower Upper

91 100

106 31.3 25.8 38.6



#68

m/p-Xylenes

Concen: 4.012 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017745.D

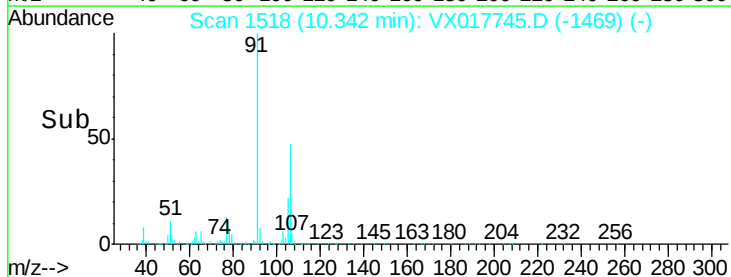
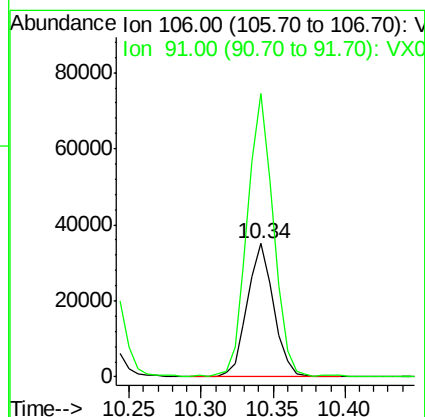
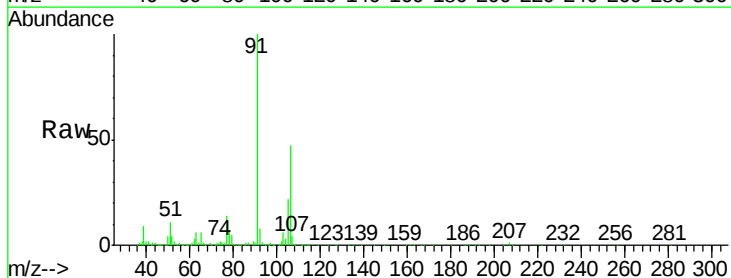
Acq: 03 Aug 2020 15:00

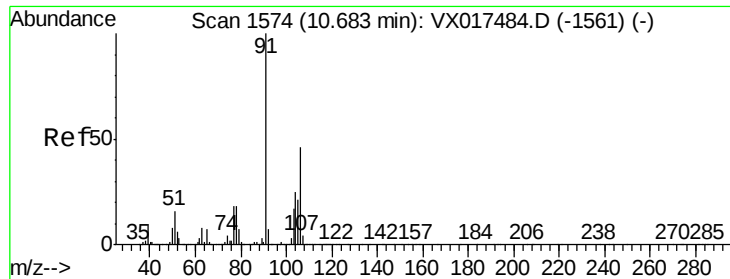
Tgt Ion: 106 Resp: 44640

Ion Ratio Lower Upper

106 100

91 208.9 160.9 241.3

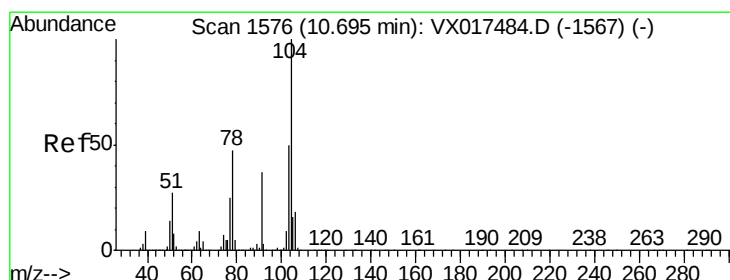
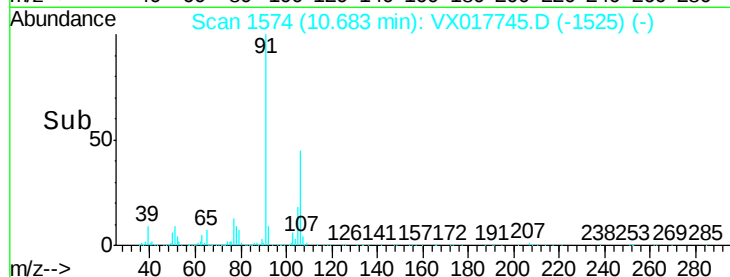
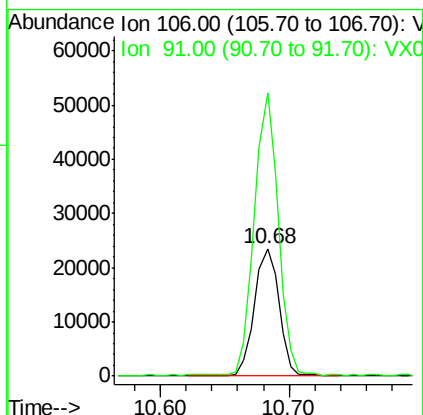
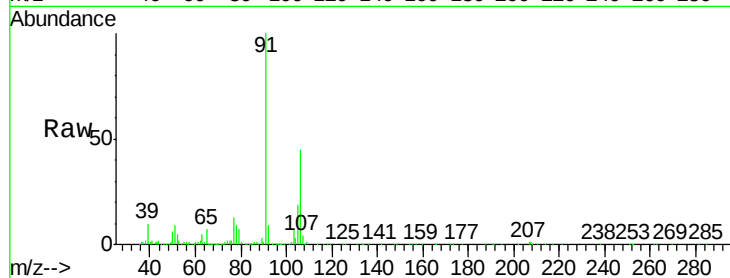




#69
o-Xylene
Concen: 2.907 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

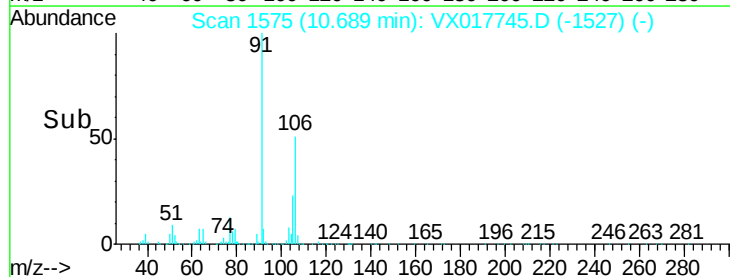
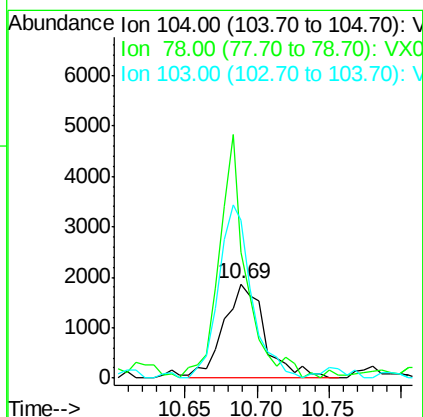
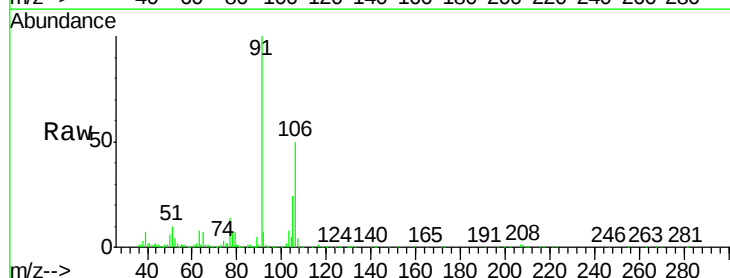
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

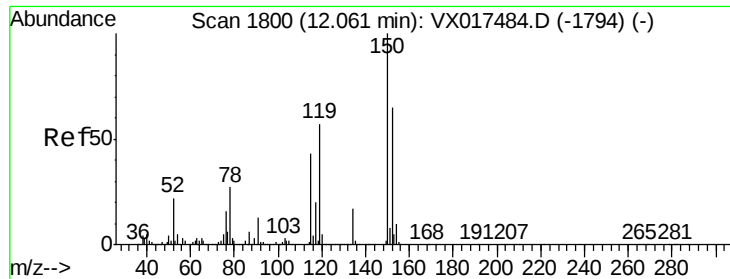
Tot Ion:106 Resp: 31103
Ion Ratio Lower Upper
106 100
91 214.5 108.2 324.6



#70
Styrene
Concen: 0.206 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion:104 Resp: 3747
Ion Ratio Lower Upper
104 100
78 169.6 42.5 63.7#
103 147.1 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

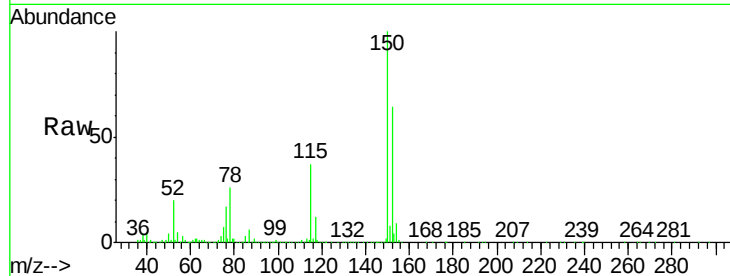
Tot Ion:152 Resp: 398242

Ion Ratio Lower Upper

152 100

115 59.0 65.5 196.6#

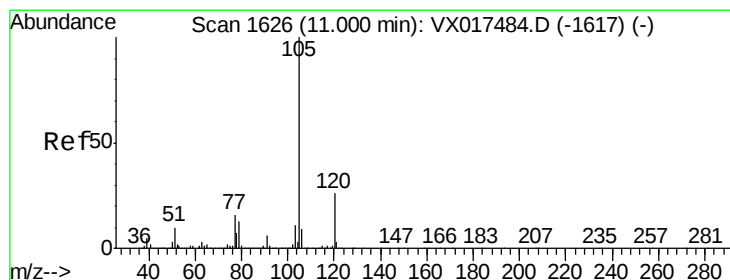
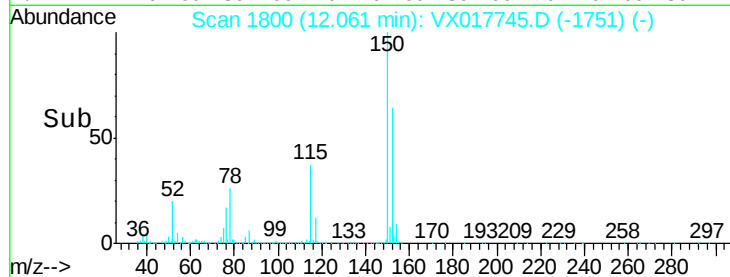
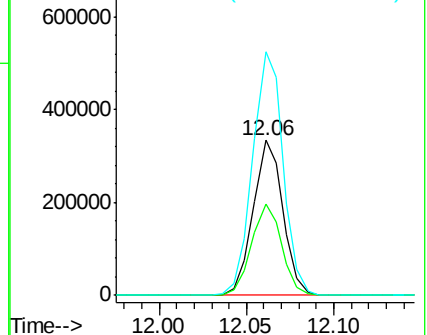
150 160.9 0.0 412.6



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



#73

Isopropylbenzene

Concen: 0.206 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017745.D

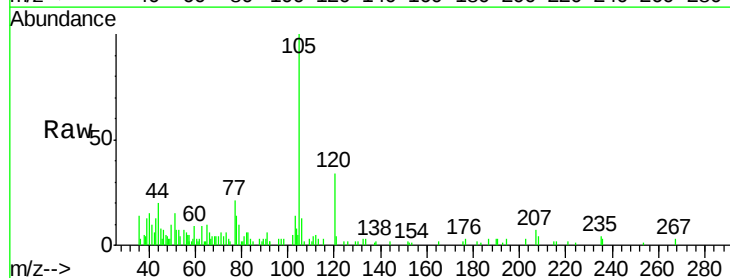
Acq: 03 Aug 2020 15:00

Tgt Ion:105 Resp: 5619

Ion Ratio Lower Upper

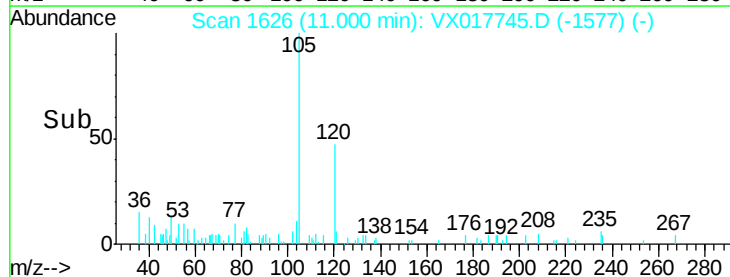
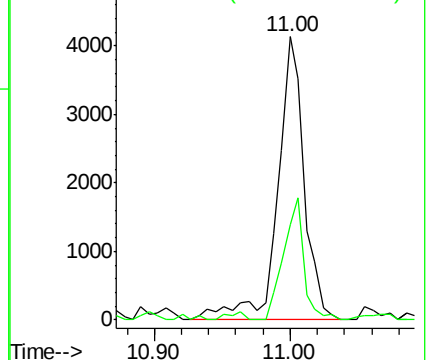
105 100

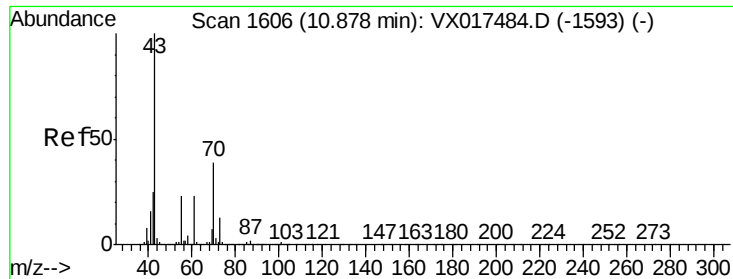
120 32.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.508 ug/l

RT: 10.90 min Scan# 1609

Delta R.T. 0.02 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

Tot Ion: 43 Resp: 6172

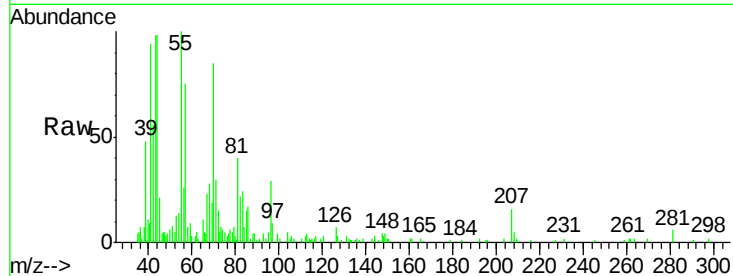
Ion Ratio Lower Upper

43 100

70 92.5 32.3 48.5#

55 109.6 18.4 27.6#

61 0.0 18.6 28.0#

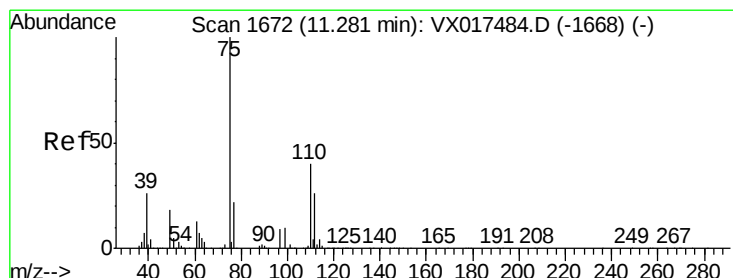
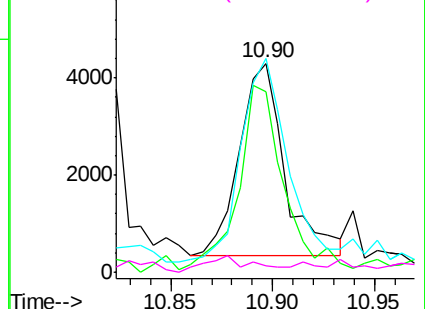
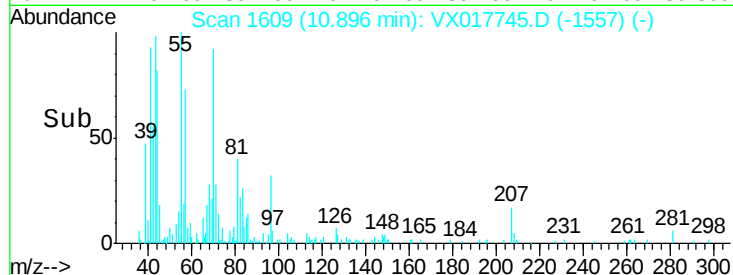


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.529 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017745.D

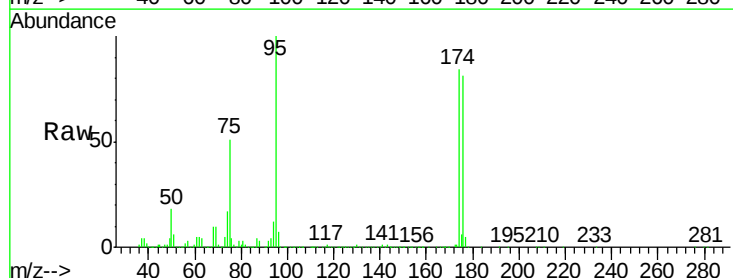
Acq: 03 Aug 2020 15:00

Tgt Ion: 75 Resp: 209137

Ion Ratio Lower Upper

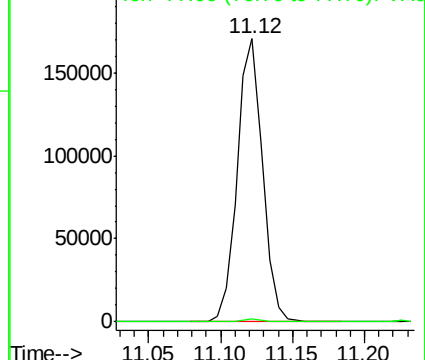
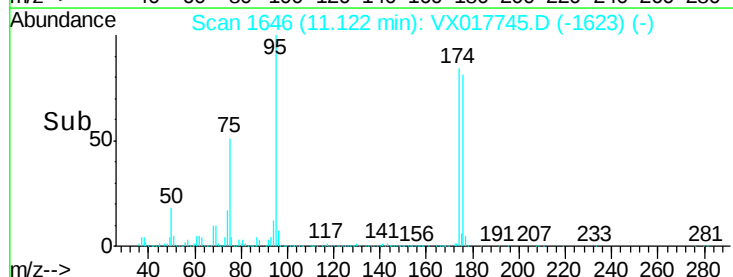
75 100

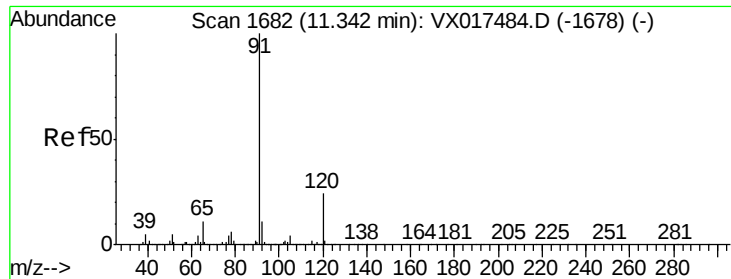
77 1.1 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.566 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

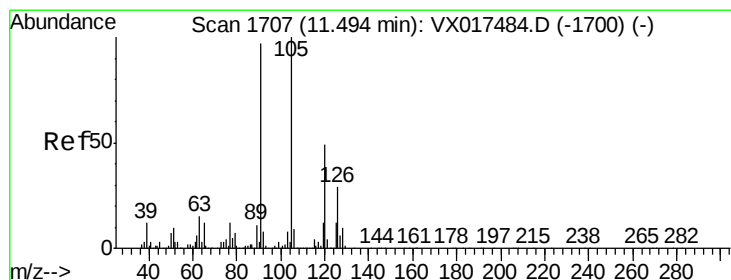
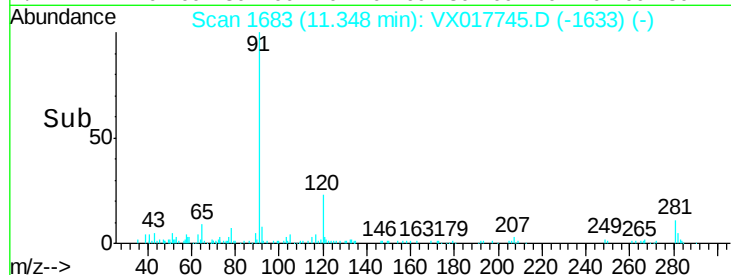
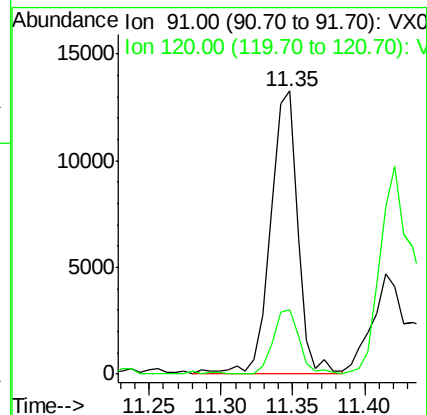
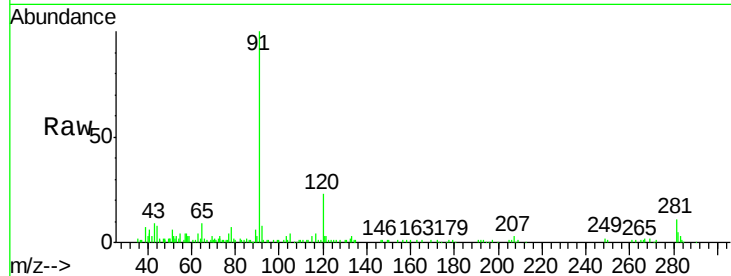
BP-VPB179-GW-58-60

Tot Ion: 91 Resp: 17431

Ion Ratio Lower Upper

91 100

120 21.9 12.2 36.4



#80

1,3,5-Trimethylbenzene

Concen: 0.354 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017745.D

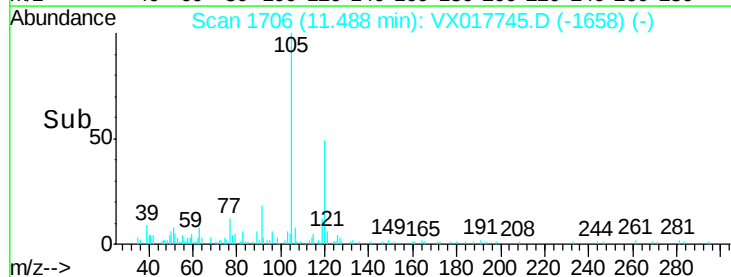
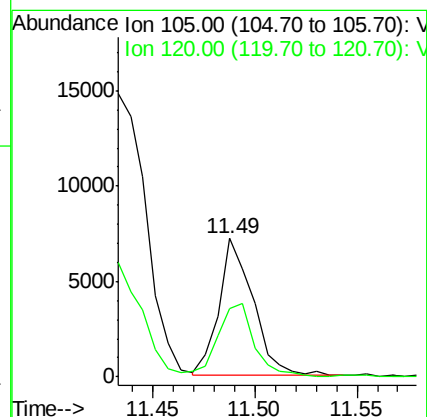
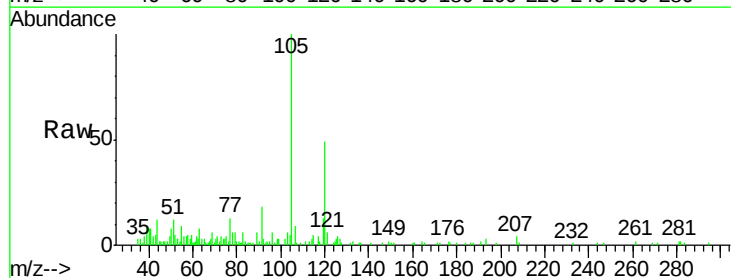
Acq: 03 Aug 2020 15:00

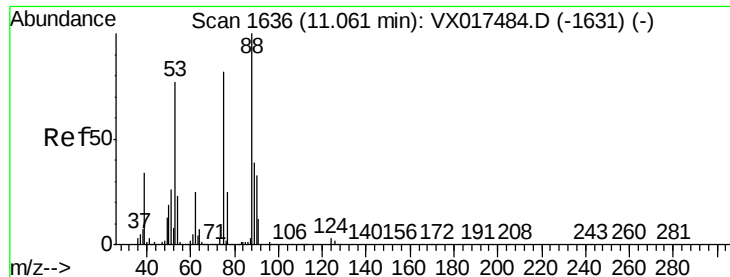
Tgt Ion: 105 Resp: 8265

Ion Ratio Lower Upper

105 100

120 58.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 64.328 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

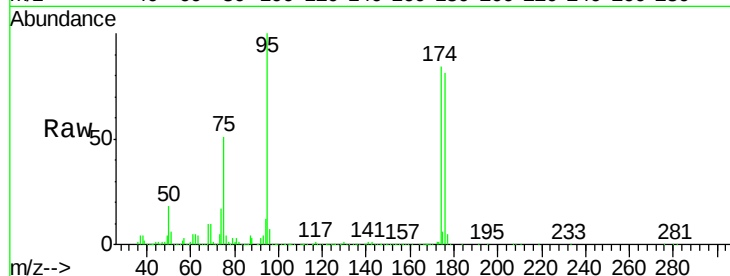
Tot Ion: 75 Resp: 209137

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

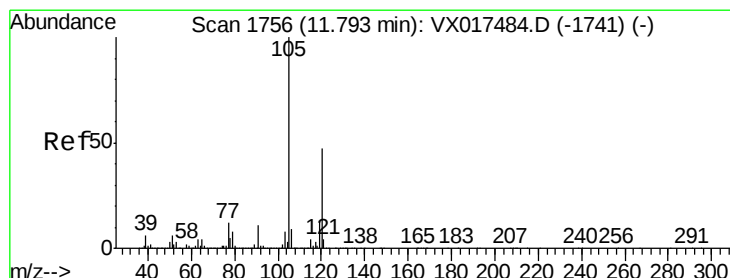
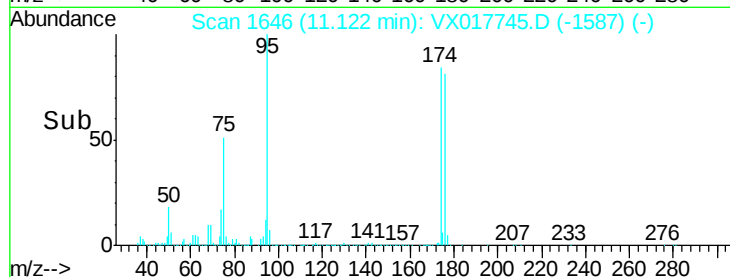
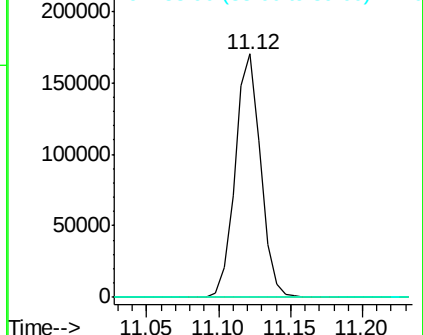
89 0.0 37.8 56.6#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.544 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017745.D

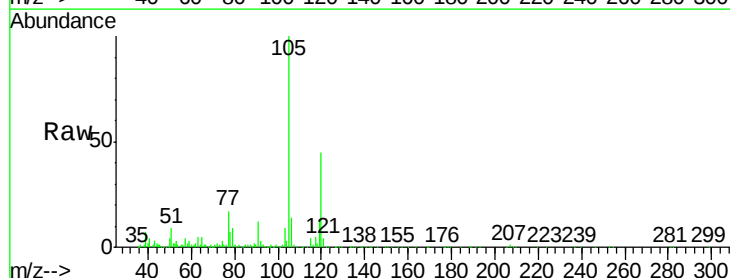
Acq: 03 Aug 2020 15:00

Tgt Ion: 105 Resp: 59015

Ion Ratio Lower Upper

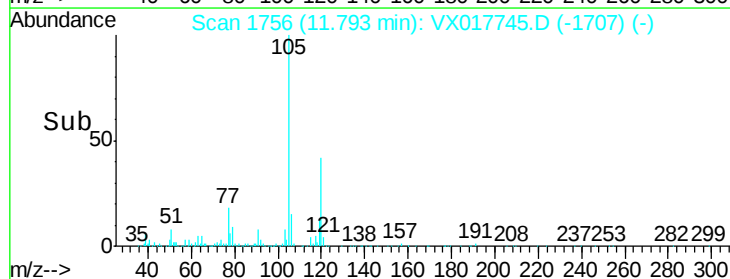
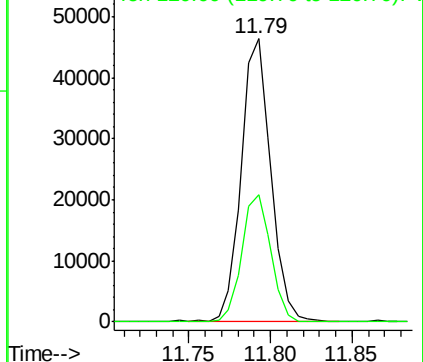
105 100

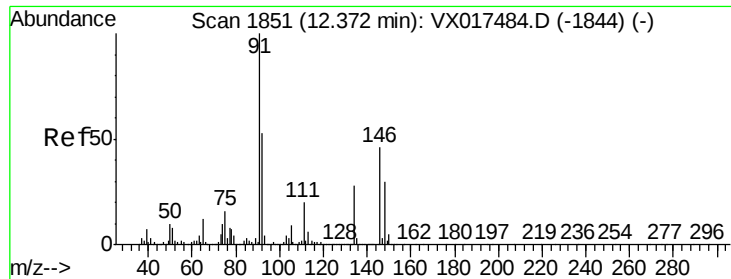
120 43.8 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

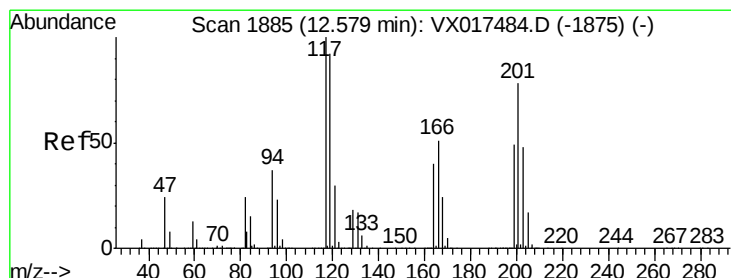
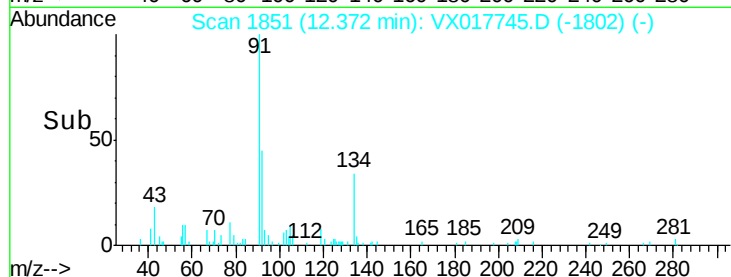
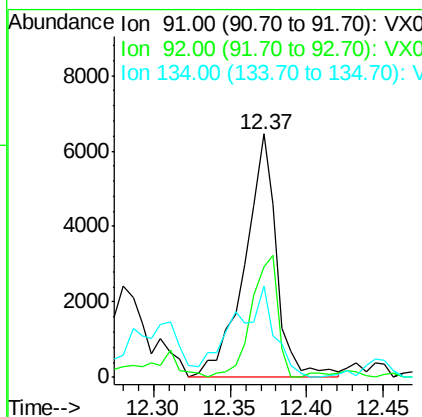
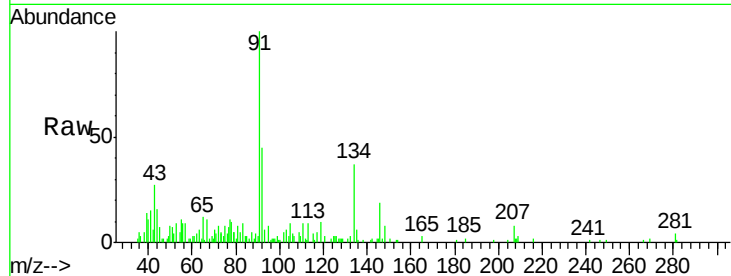




#89
n-Butylbenzene
Concen: 0.423 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

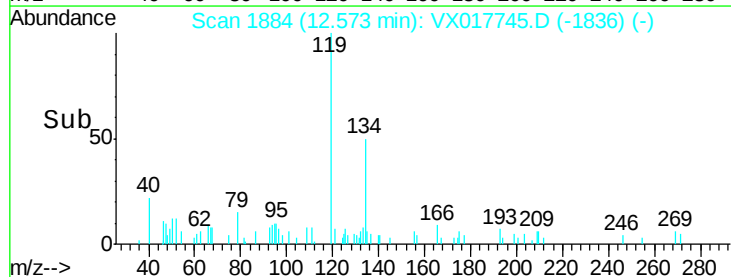
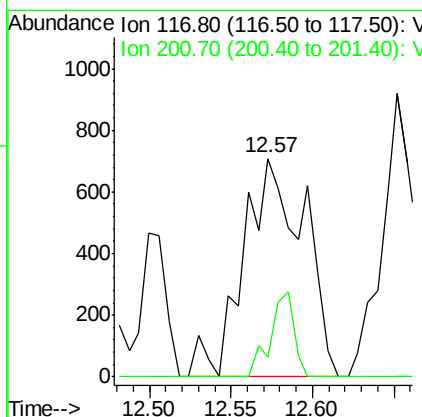
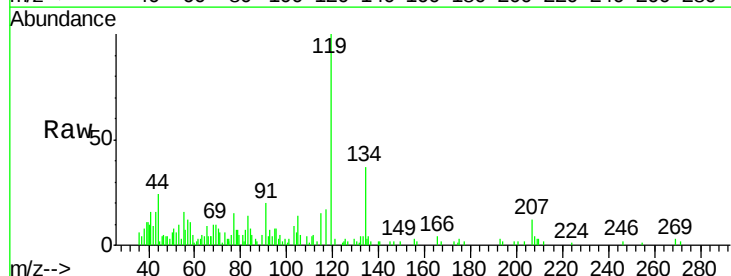
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-GW-58-60

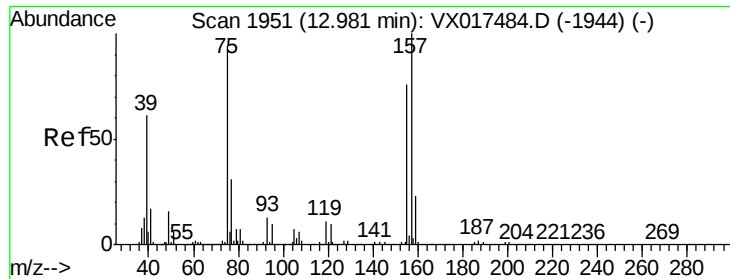
Tot Ion: 91 Resp: 9331
Ion Ratio Lower Upper
91 100
92 41.2 26.7 80.1
134 46.9 13.6 40.7#



#90
Hexachloroethane
Concen: 0.378 ug/l
RT: 12.57 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VX017745.D
Acq: 03 Aug 2020 15:00

Tgt Ion: 117 Resp: 1847
Ion Ratio Lower Upper
117 100
201 14.9 42.2 126.6#

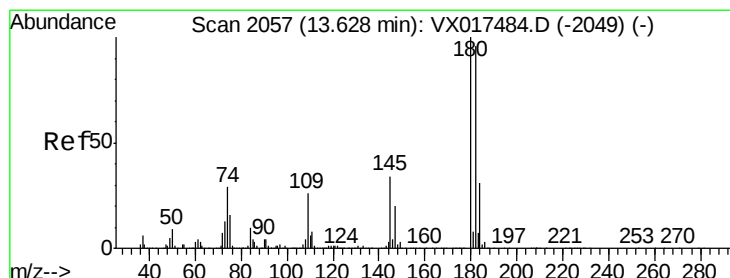
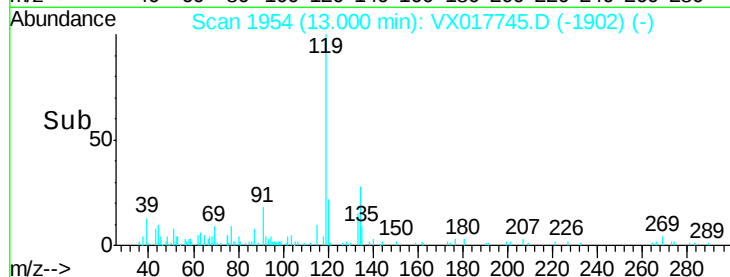
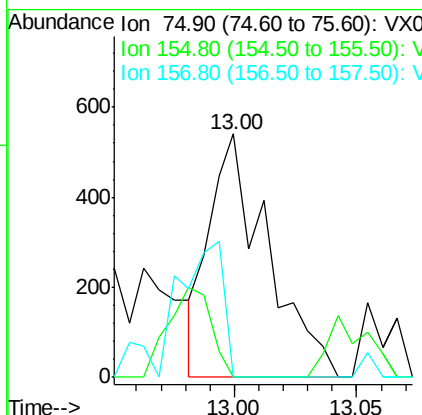
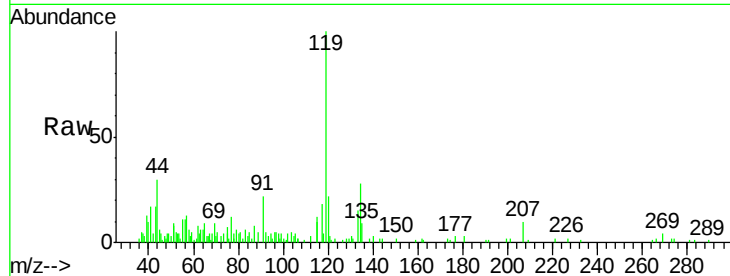




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.926 ug/l
 RT: 13.00 min Scan# 1954
 Delta R.T. 0.02 min
 Lab File: VX017745.D
 Acq: 03 Aug 2020 15:00

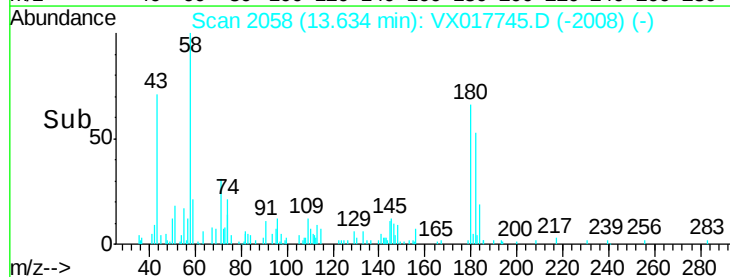
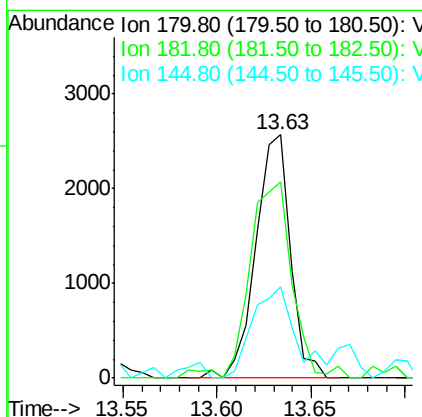
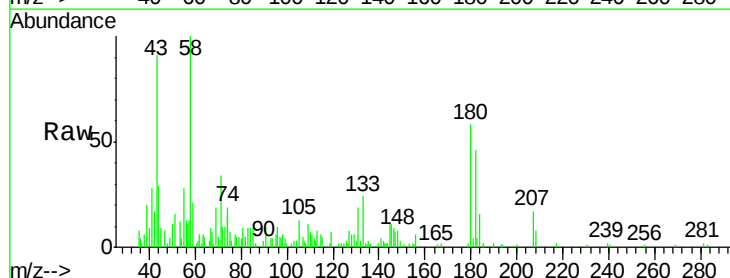
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-GW-58-60

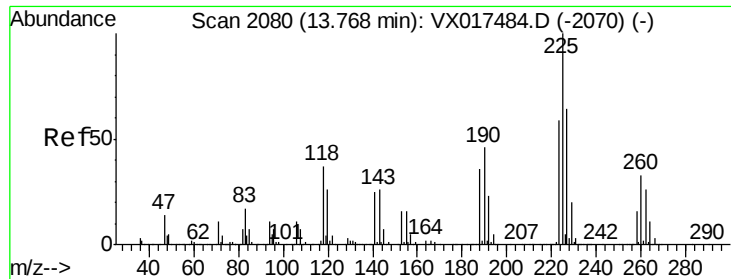
Tot Ion: 75 Resp: 889
 Ion Ratio Lower Upper
 75 100
 155 27.6 42.3 126.8#
 157 47.4 54.3 162.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.372 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX017745.D
 Acq: 03 Aug 2020 15:00

Tgt Ion: 180 Resp: 3281
 Ion Ratio Lower Upper
 180 100
 182 98.9 47.5 142.6
 145 46.8 15.4 46.4#





#94

Hexachlorobutadiene

Concen: 0.571 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

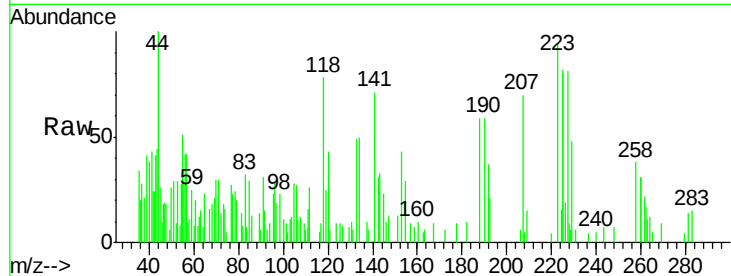
Tot Ion:225 Resp: 2316

Ion Ratio Lower Upper

225 100

223 63.4 30.3 90.9

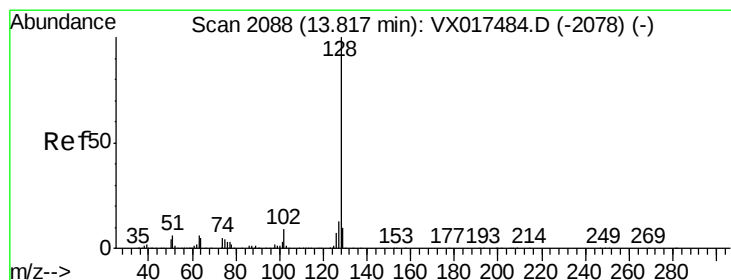
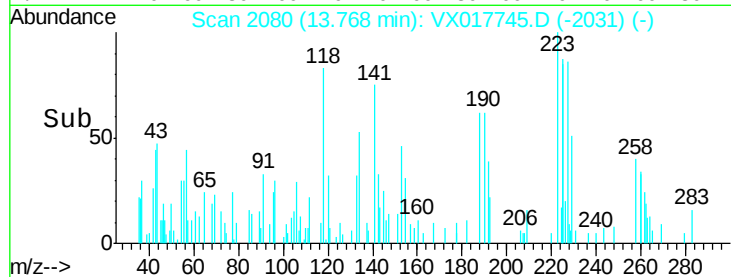
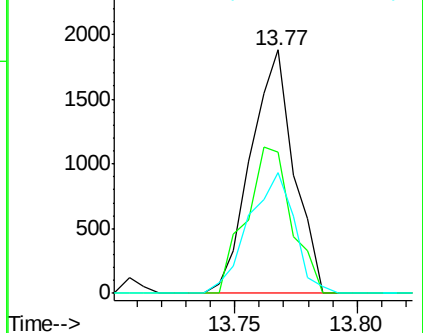
227 52.5 31.1 93.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.117 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

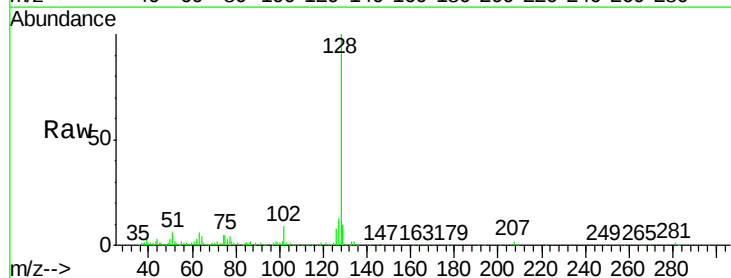
Tgt Ion:128 Resp: 55684

Ion Ratio Lower Upper

128 100

127 15.0 10.4 15.6

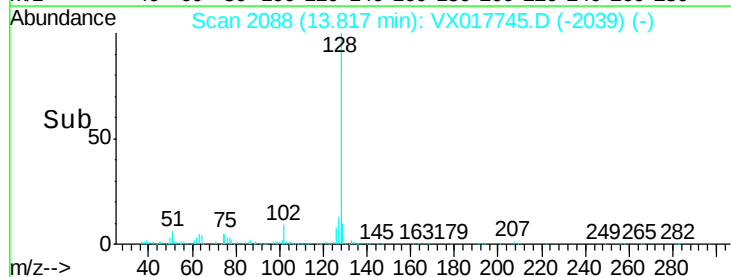
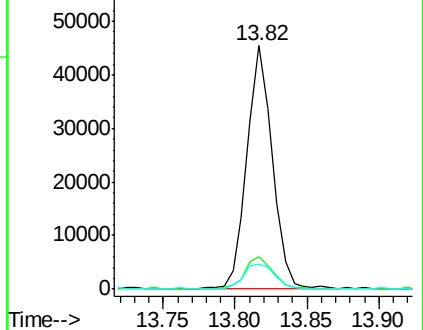
129 12.7 8.9 13.3

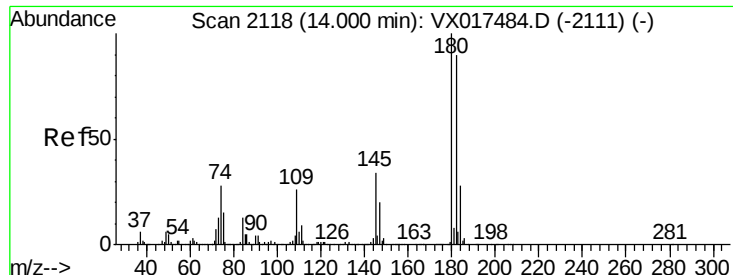


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.310 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX017745.D

Acq: 03 Aug 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-GW-58-60

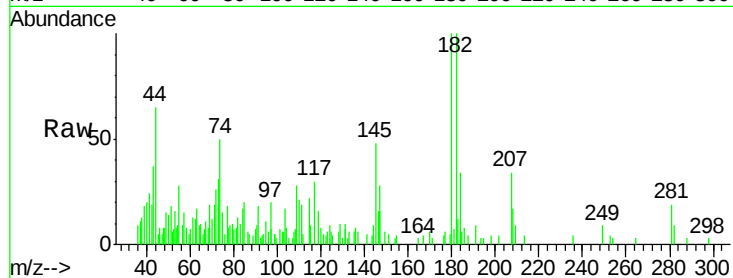
Tot Ion:180 Resp: 2697

Ion Ratio Lower Upper

180 100

182 110.5 47.4 142.3

145 43.6 16.3 48.9



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

