

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062805.D
 Acq On : 10 Aug 2020 13:43
 Operator : JC/MD
 Sample : L3618-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-EB-20200805

Quant Time: Aug 11 06:54:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

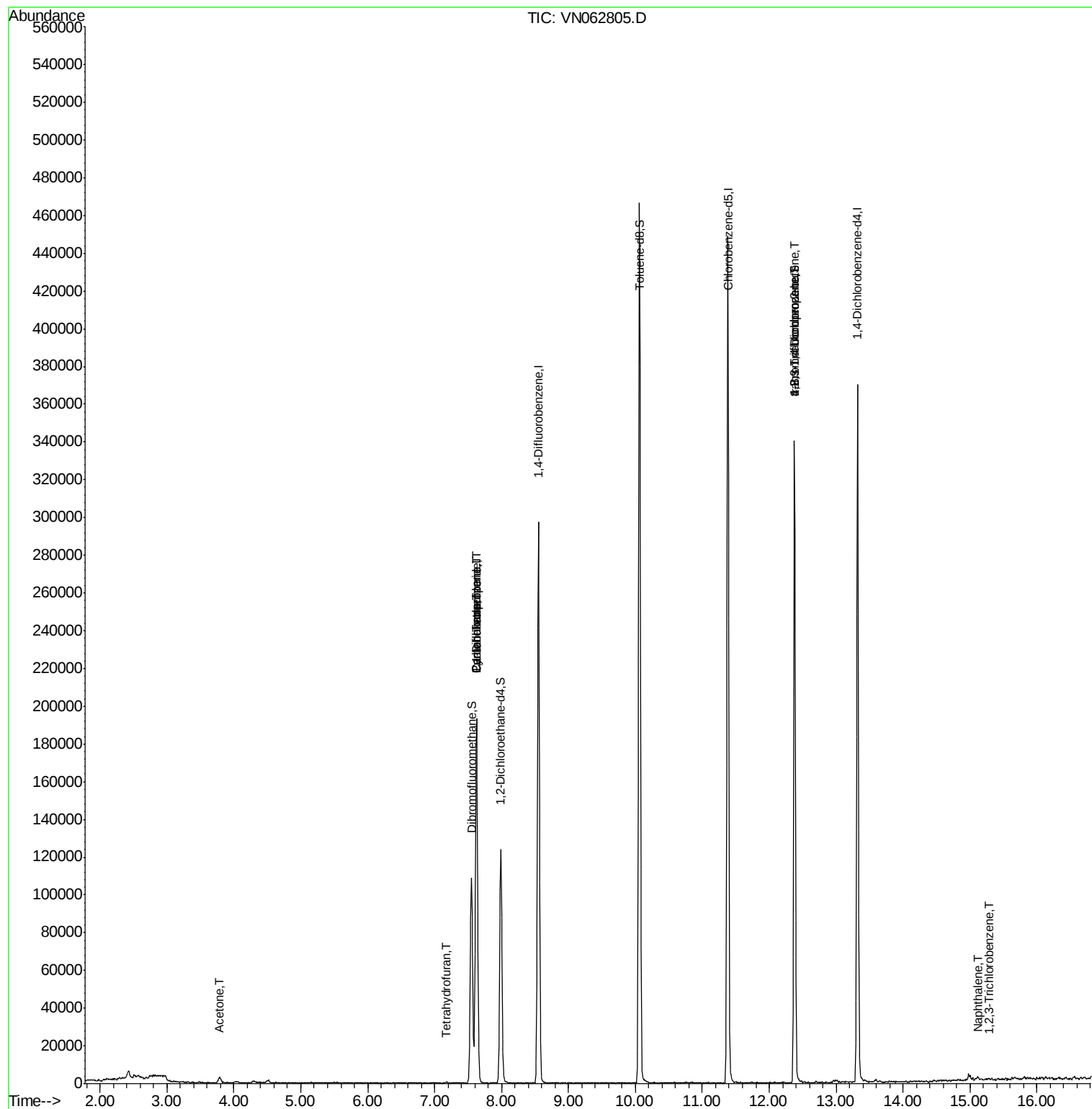
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	147155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	259814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	255797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	98844	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	116597	47.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.82%	
35) Dibromofluoromethane	7.55	113	84915	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
50) Toluene-d8	10.06	98	331355	47.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	12.38	95	124568	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	5516	6.273	ug/l	98
17) Carbon Disulfide	4.01	76	449	Below Cal	#	74
18) Methyl Acetate	4.28	43	576	Below Cal		98
20) Methylene Chloride	4.49	84	447	Below Cal	#	71
29) Tetrahydrofuran	7.18	42	196	0.242	ug/l #	33
31) Cyclohexane	7.62	56	3170	1.074	ug/l #	7
36) 1,1-Dichloropropene	7.63	75	12434	4.915	ug/l #	52
38) Carbon Tetrachloride	7.62	117	15700	5.247	ug/l #	15
76) 1,2,3-Trichloropropane	12.38	75	65609	24.612	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65609	75.134	ug/l #	10
95) Naphthalene	15.11	128	2243	4.165	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.29	180	62	2.776	ug/l #	12

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062805.D

Acq: 10 Aug 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

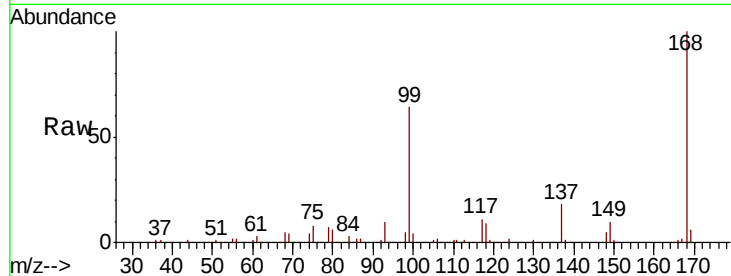
BP-VPB179-EB-20200805

Tot Ion:168 Resp: 147155

Ion Ratio Lower Upper

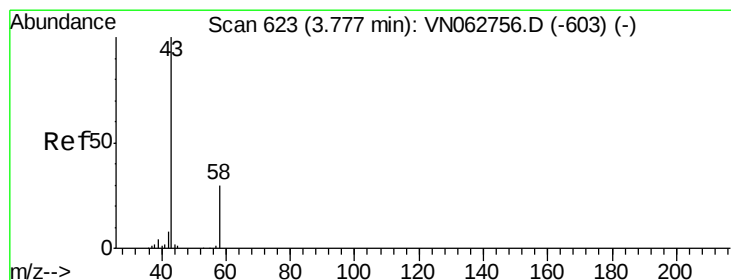
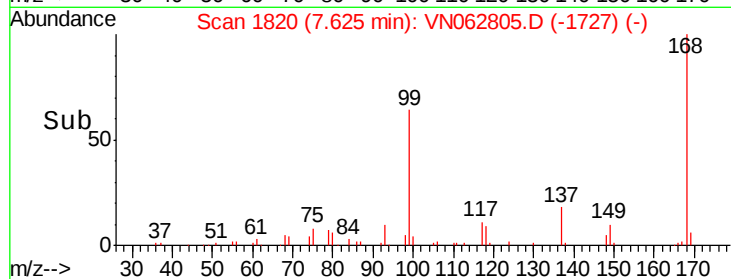
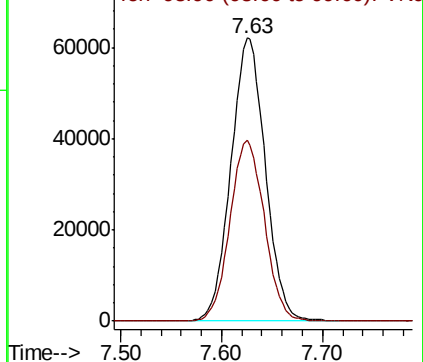
168 100

99 63.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.273 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN062805.D

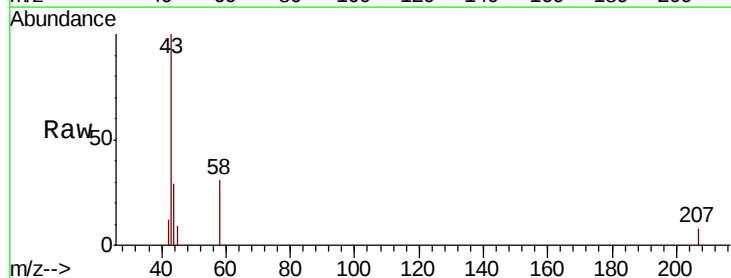
Acq: 10 Aug 2020 13:43

Tgt Ion: 43 Resp: 5516

Ion Ratio Lower Upper

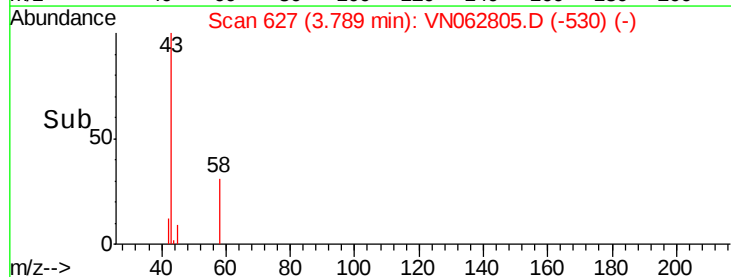
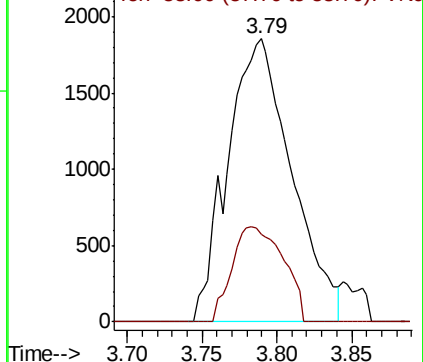
43 100

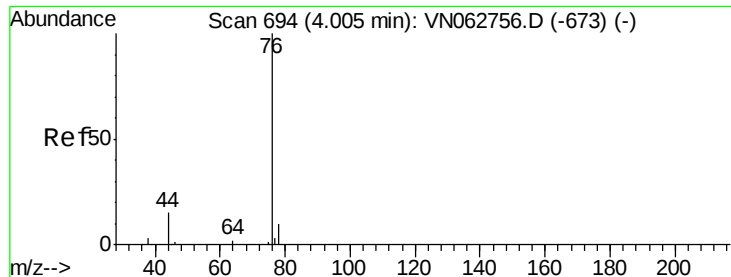
58 31.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN062805.D

Acq: 10 Aug 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

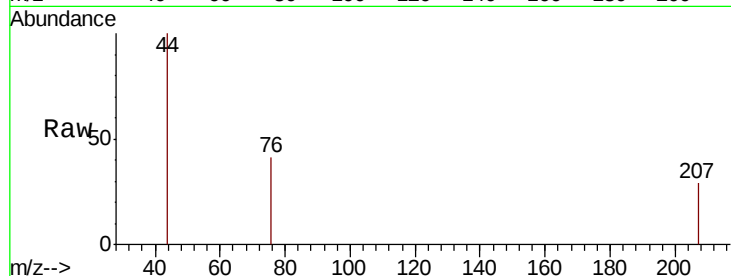
BP-VPB179-EB-20200805

Tot Ion: 76 Resp: 449

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

250

200

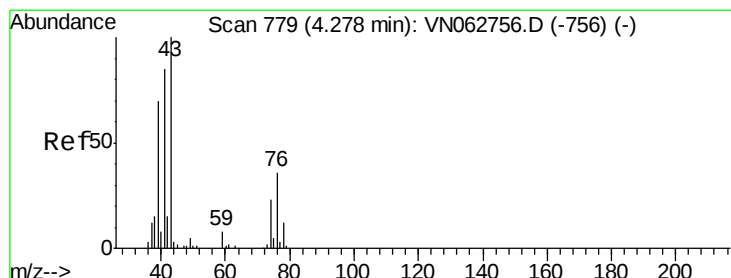
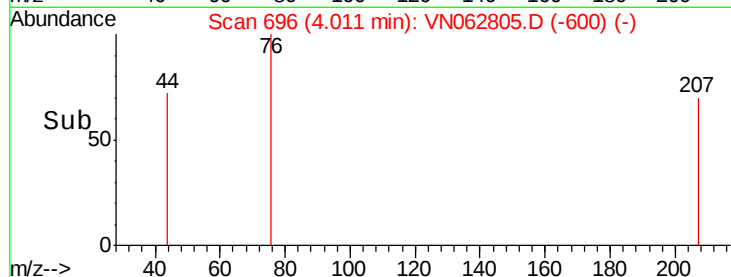
150

100

50

0

Time--> 3.96 3.98 4.00 4.02 4.04



#18

Methyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062805.D

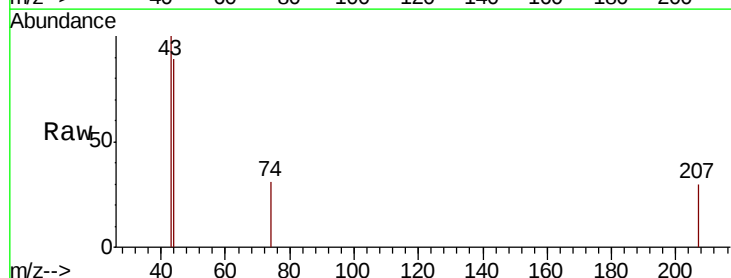
Acq: 10 Aug 2020 13:43

Tgt Ion: 43 Resp: 576

Ion Ratio Lower Upper

43 100

74 22.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

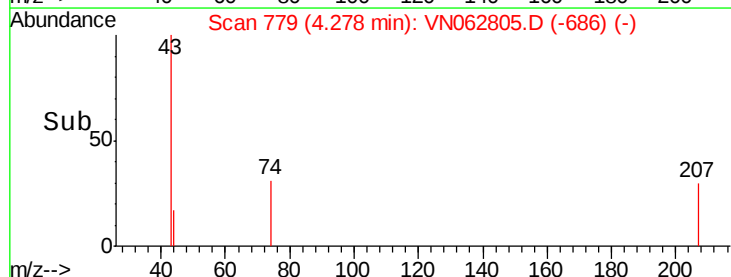
600

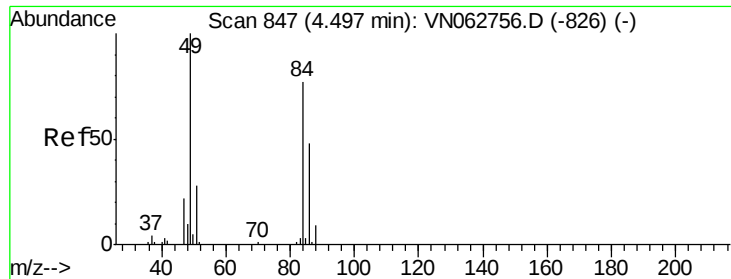
400

200

0

Time--> 4.26 4.28





#20

Methylene Chloride

Concen: Below Cal

RT: 4.49 min Scan# 845

Delta R.T. -0.01 min

Lab File: VN062805.D

Acq: 10 Aug 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-EB-20200805

Tot Ion: 84 Resp: 447

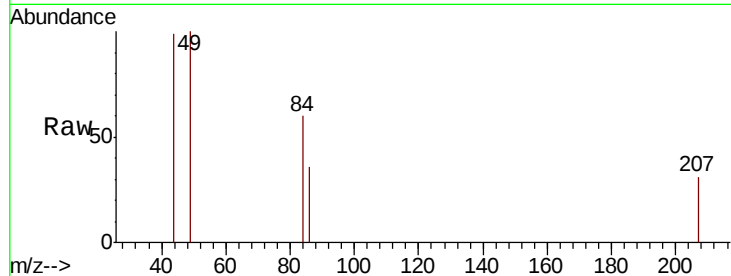
Ion Ratio Lower Upper

84 100

49 167.6 103.4 155.2#

51 0.0 29.3 43.9#

86 60.2 49.9 74.9

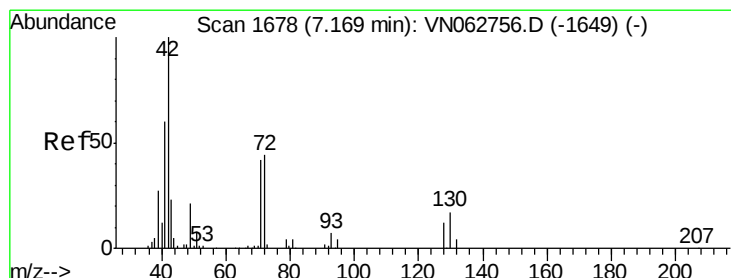
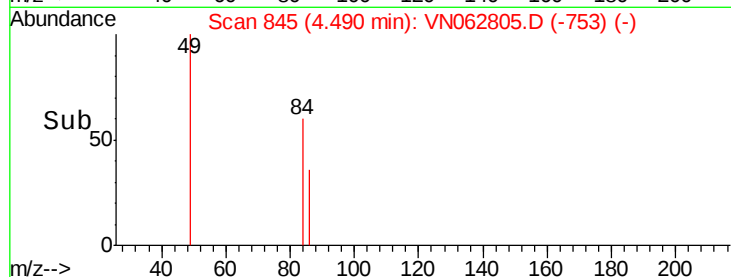
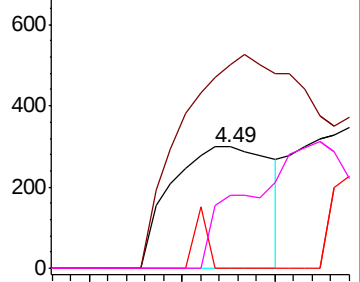


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN062805.D

Acq: 10 Aug 2020 13:43

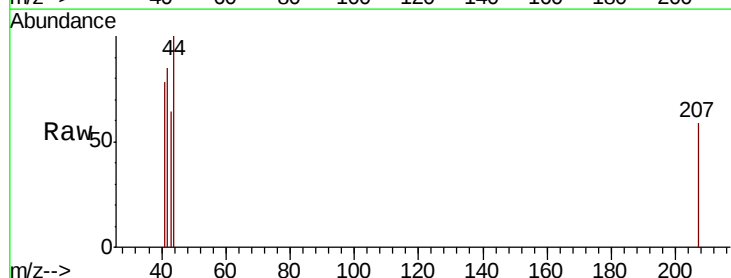
Tgt Ion: 42 Resp: 196

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

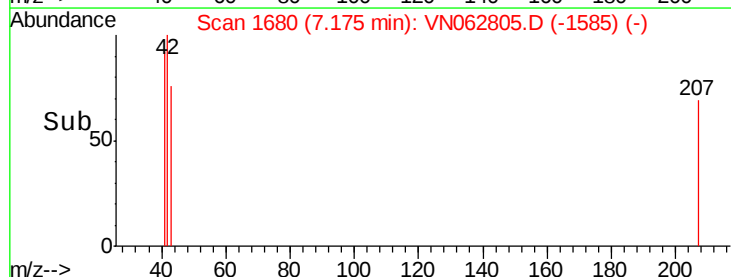
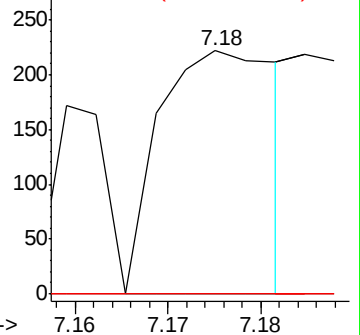
71 0.0 33.2 49.8#

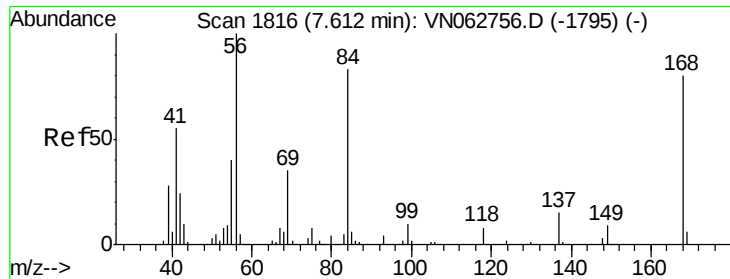


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

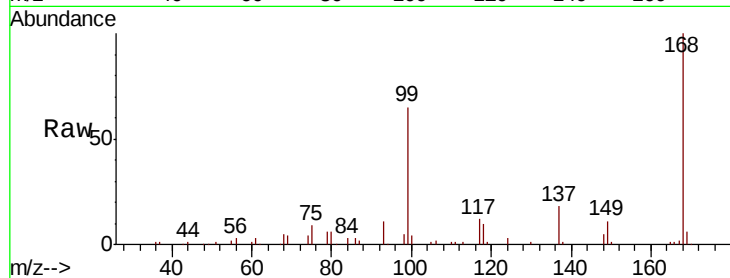




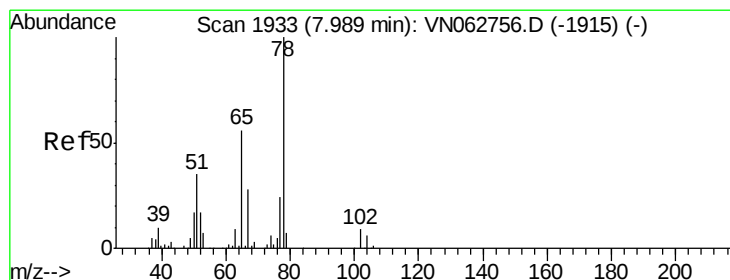
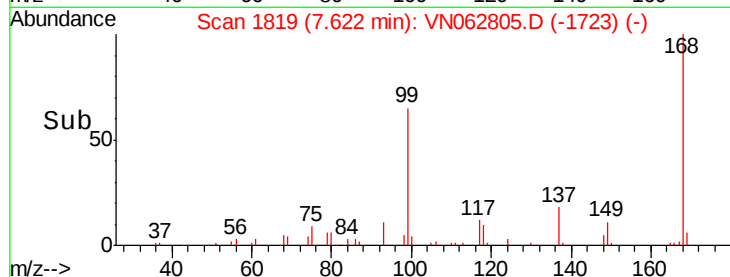
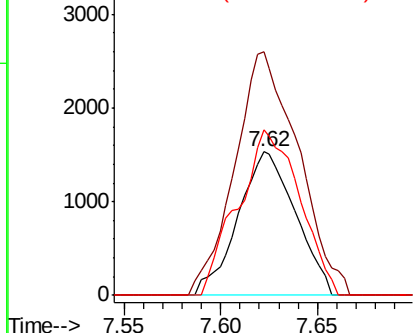
#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062805.D
Acq: 10 Aug 2020 13:43

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-EB-20200805

Tot Ion: 56 Resp: 3170
Ion Ratio Lower Upper
56 100
69 169.6 28.1 42.1#
84 115.3 66.8 100.2#

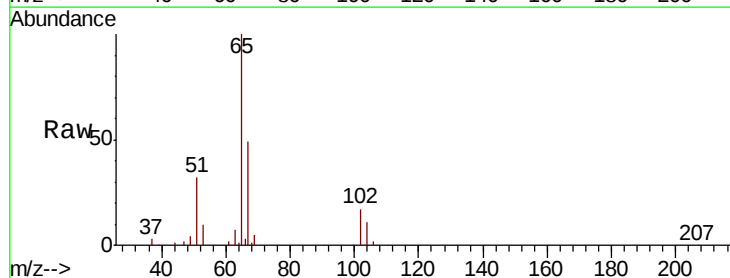


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

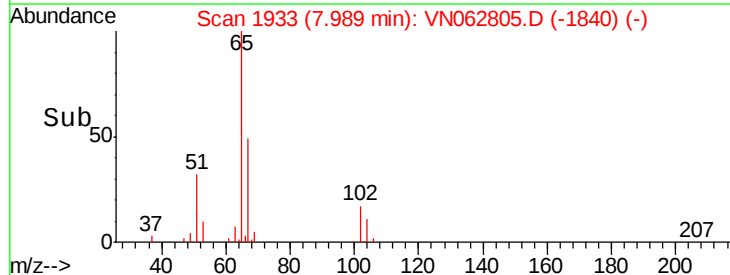
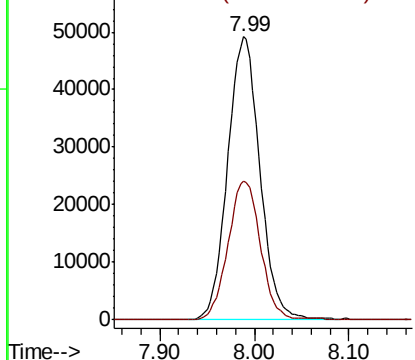


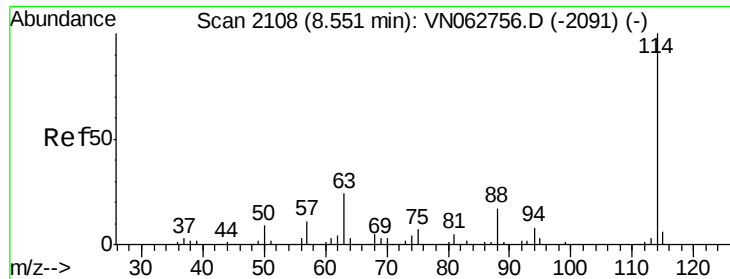
#33
1,2-Dichloroethane-d4
Concen: 47.914 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062805.D
Acq: 10 Aug 2020 13:43

Tgt Ion: 65 Resp: 116597
Ion Ratio Lower Upper
65 100
67 49.1 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

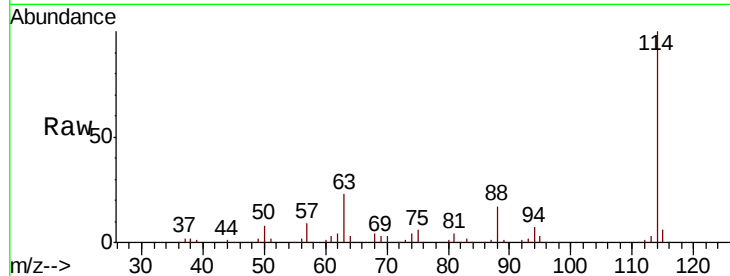




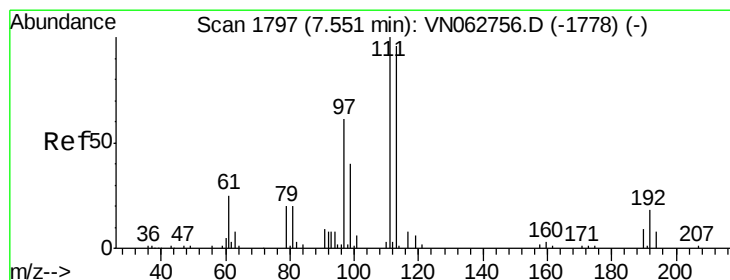
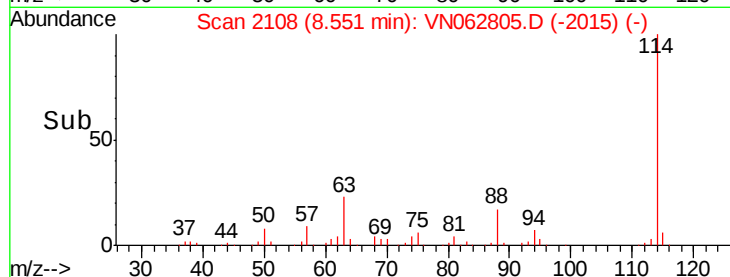
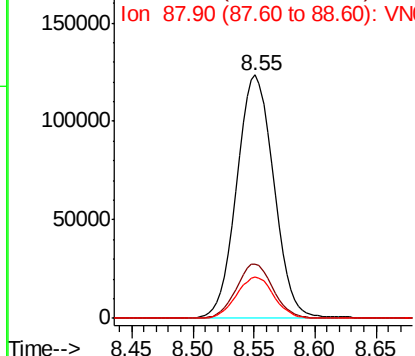
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062805.D
 Acq: 10 Aug 2020 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-EB-20200805

Tot Ion:114 Resp: 259814
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.6
 88 16.9 0.0 34.4

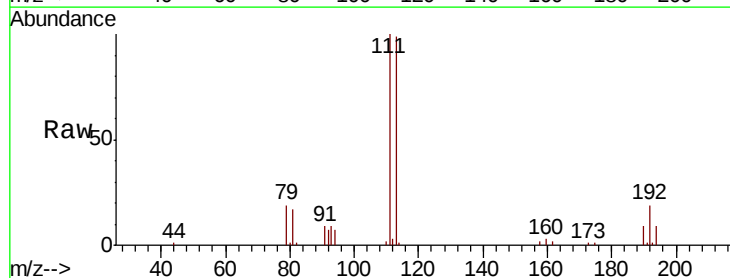


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

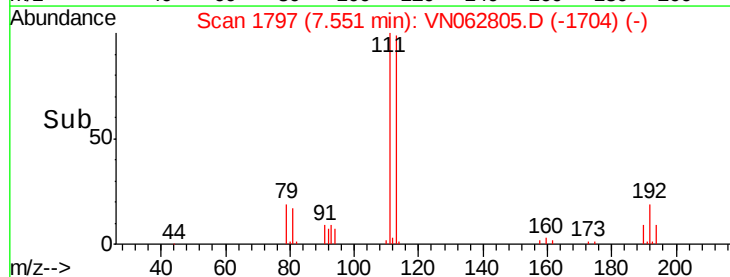
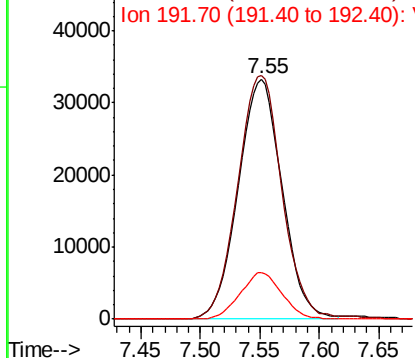


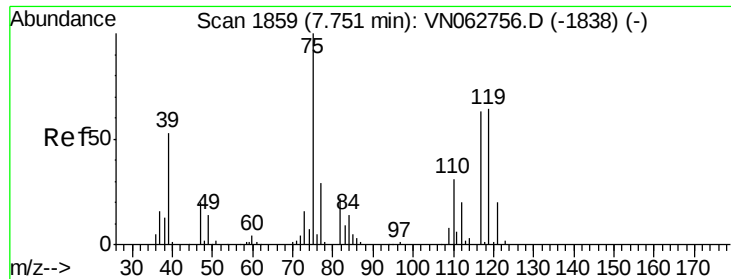
#35
 Dibromofluoromethane
 Concen: 47.778 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062805.D
 Acq: 10 Aug 2020 13:43

Tgt Ion:113 Resp: 84915
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.8 122.6
 192 18.5 15.0 22.4



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

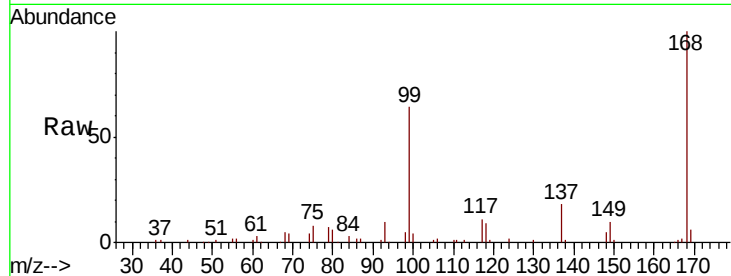




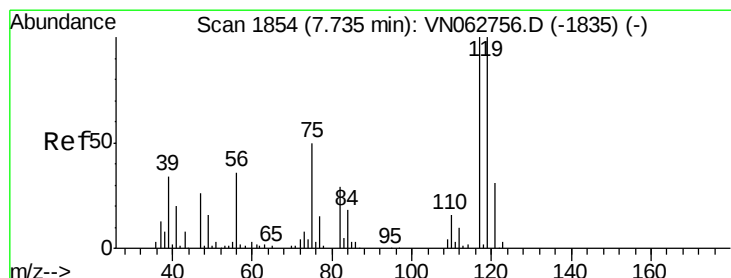
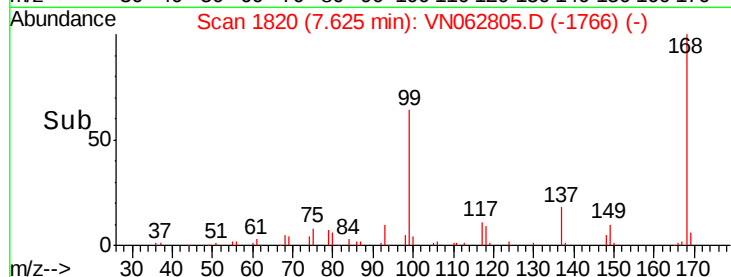
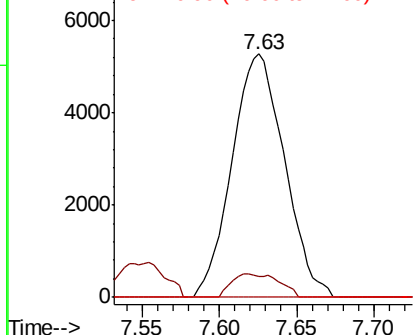
#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062805.D
 Acq: 10 Aug 2020 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-EB-20200805

Tot Ion	75	Resp	12434
Ion Ratio	Lower	Upper	
75	100		
110	8.6	15.6	46.7#
77	0.0	24.1	36.1#

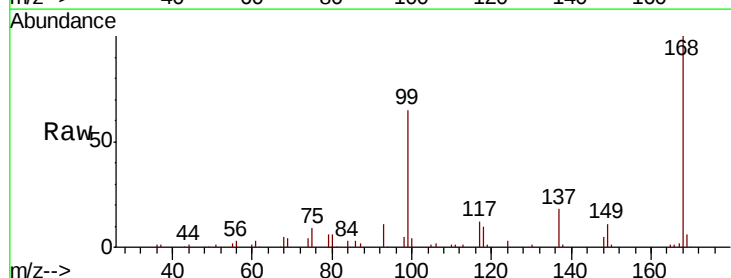


Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-1838) (-)
 Ion 109.90 (109.60 to 110.60): VN062756.D (-1838) (-)
 Ion 76.90 (76.60 to 77.60): VN062756.D (-1838) (-)

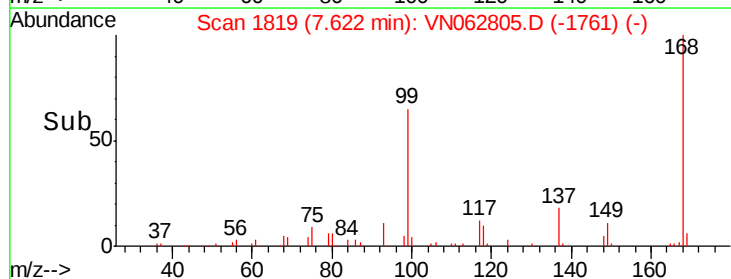
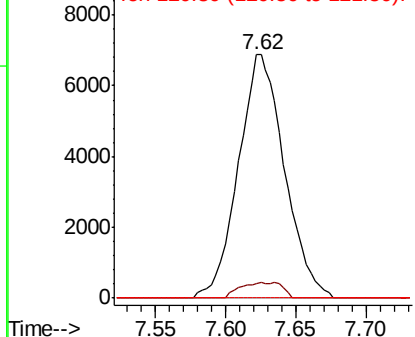


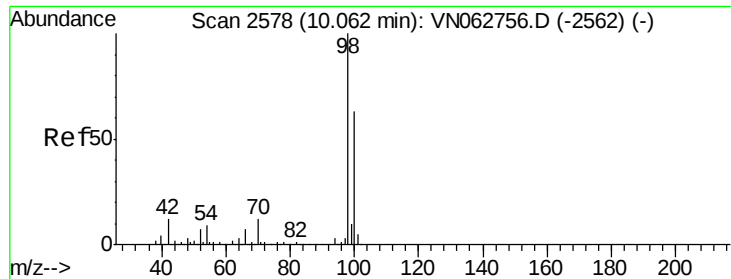
#38
 Carbon Tetrachloride
 Concen: 5.247 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062805.D
 Acq: 10 Aug 2020 13:43

Tgt Ion	117	Resp	15700
Ion Ratio	Lower	Upper	
117	100		
119	5.9	79.4	119.2#
121	0.0	24.9	37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)
 Ion 118.80 (118.50 to 119.50): VN062756.D (-1835) (-)
 Ion 120.80 (120.50 to 121.50): VN062756.D (-1835) (-)

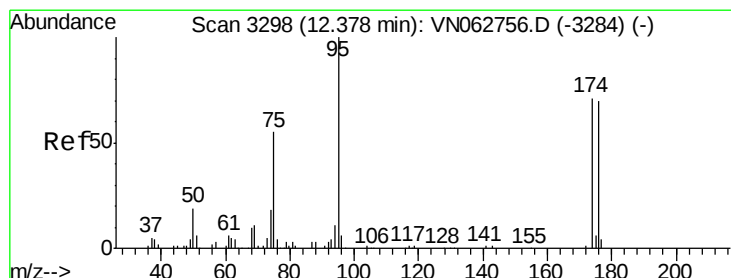
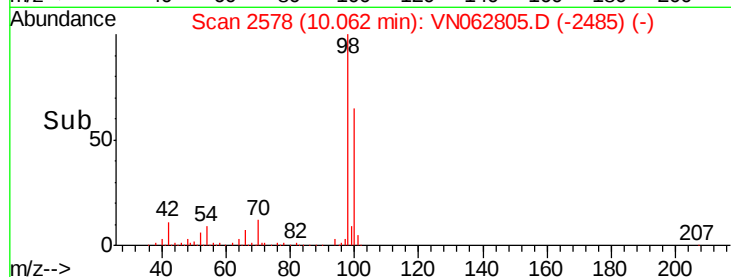
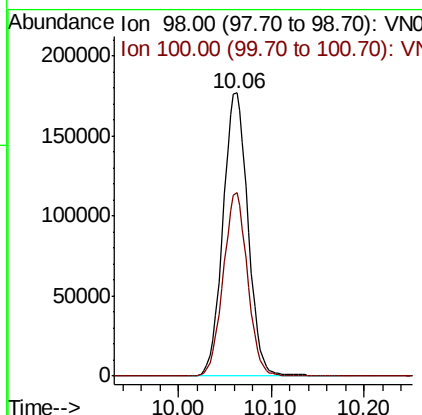
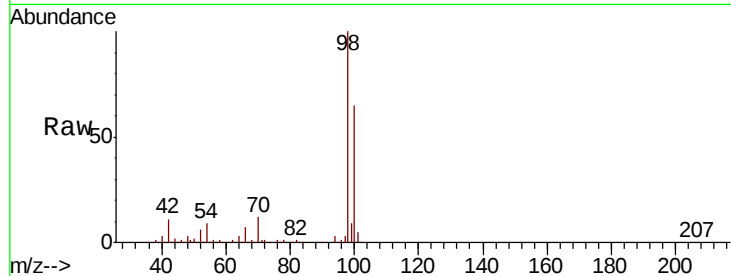




#50
Toluene-d8
Concen: 47.755 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062805.D
Acq: 10 Aug 2020 13:43

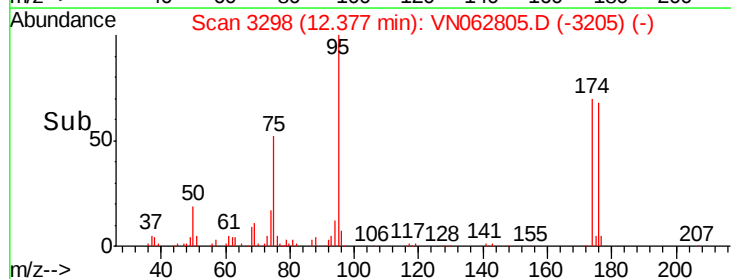
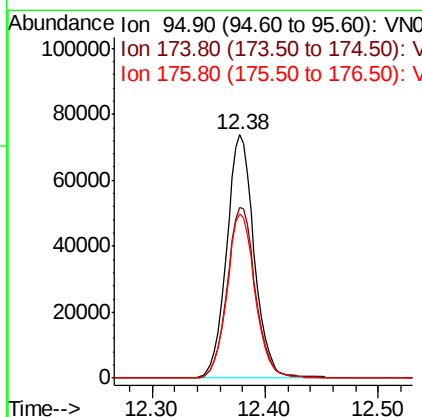
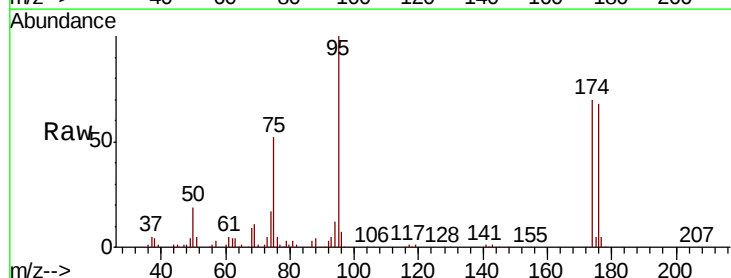
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-EB-20200805

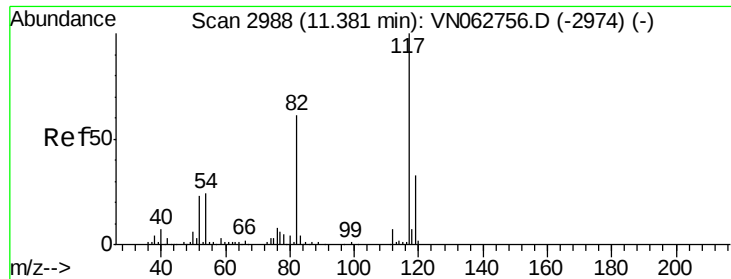
Tot Ion: 98 Resp: 331355
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 47.507 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062805.D
Acq: 10 Aug 2020 13:43

Tgt Ion: 95 Resp: 124568
Ion Ratio Lower Upper
95 100
174 72.3 0.0 144.8
176 68.8 0.0 142.2

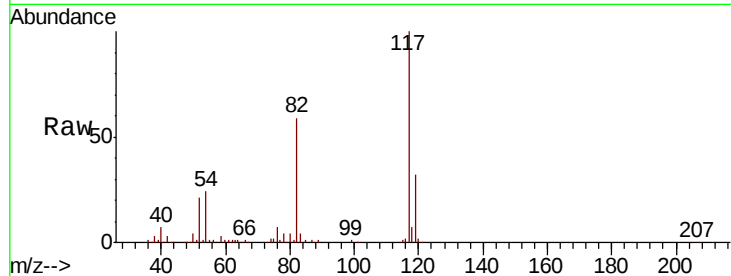




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062805.D
Acq: 10 Aug 2020 13:43

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-EB-20200805

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	49.0	73.4
119	32.0	26.2	39.2

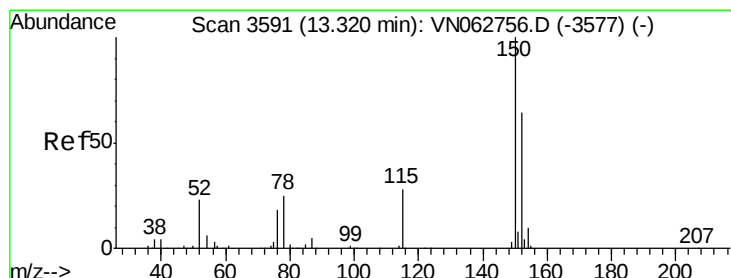
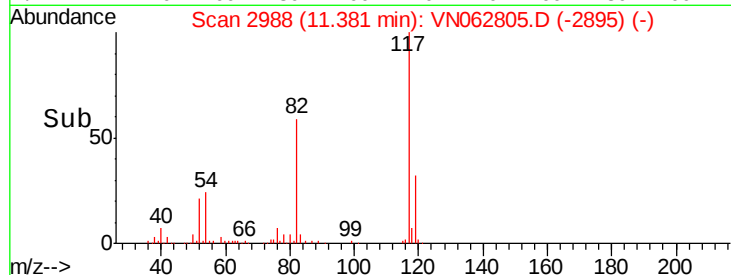
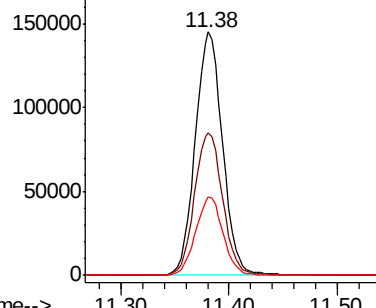


Abundance

Ion 116.90 (116.60 to 117.60): V

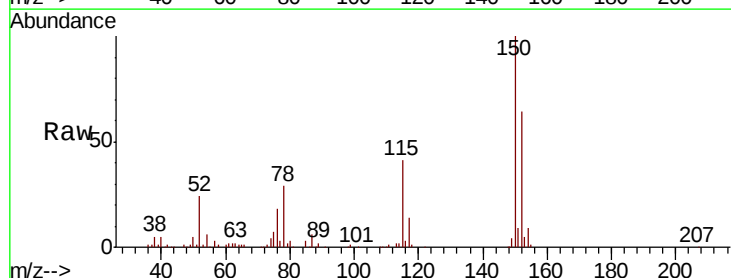
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062805.D
Acq: 10 Aug 2020 13:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	31.6	94.8
150	156.1	0.0	349.2

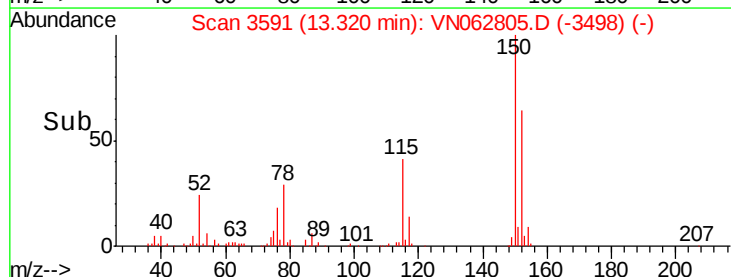
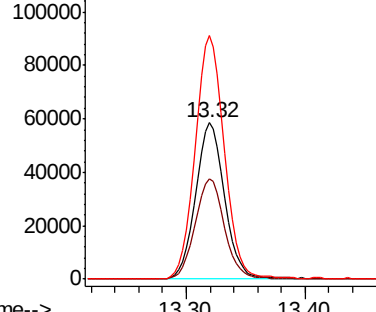


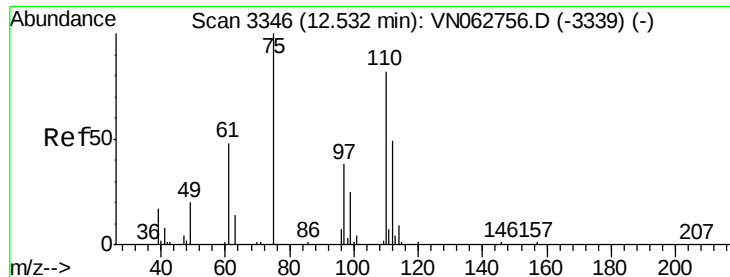
Abundance

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: 24.612 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062805.D

Acq: 10 Aug 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

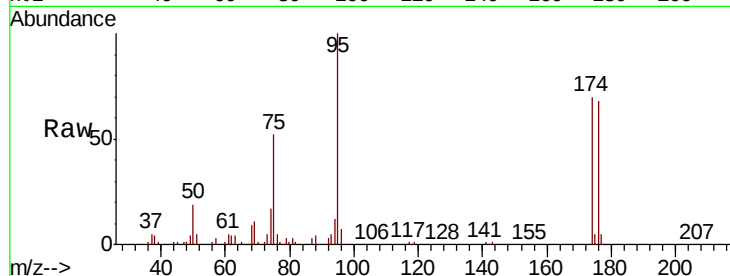
BP-VPB179-EB-20200805

Tot Ion: 75 Resp: 65609

Ion Ratio Lower Upper

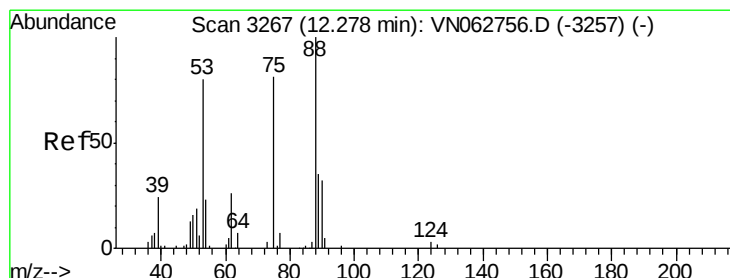
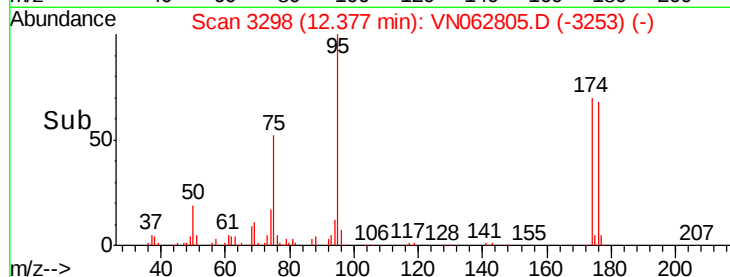
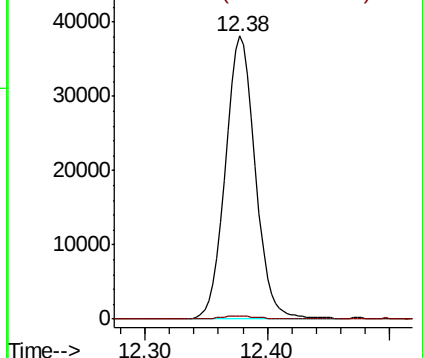
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 75.134 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062805.D

Acq: 10 Aug 2020 13:43

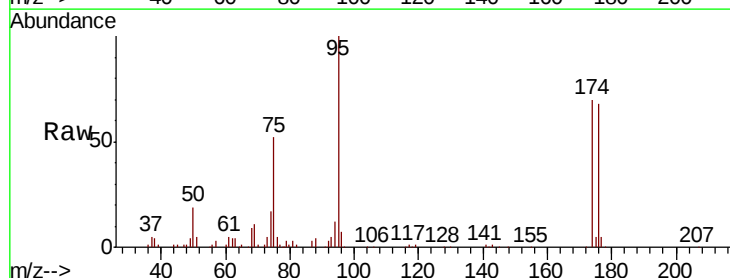
Tgt Ion: 75 Resp: 65609

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

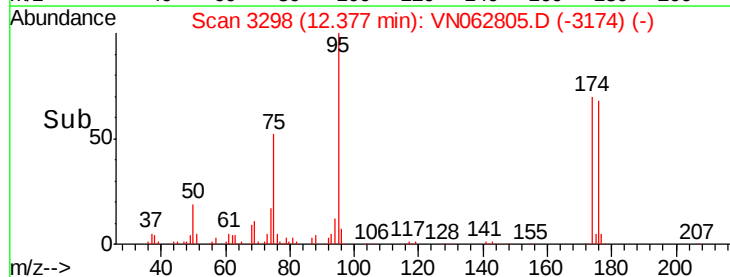
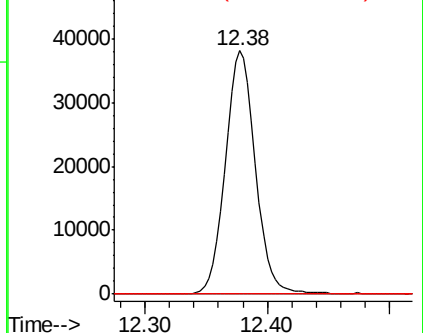
89 0.0 36.2 54.2#

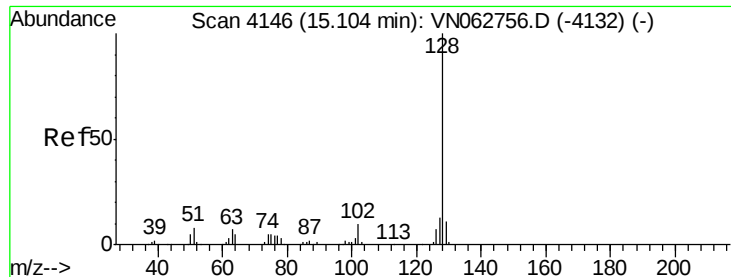


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 4.165 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062805.D

Acq: 10 Aug 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-EB-20200805

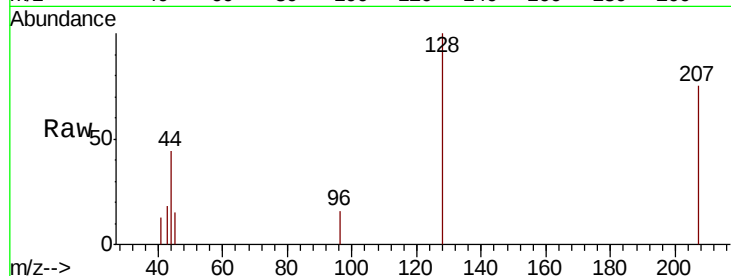
Tot Ion:128 Resp: 2243

Ion Ratio Lower Upper

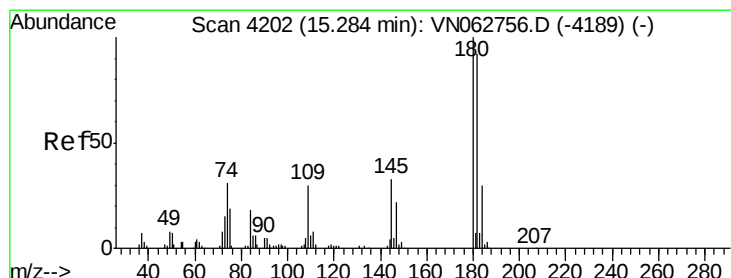
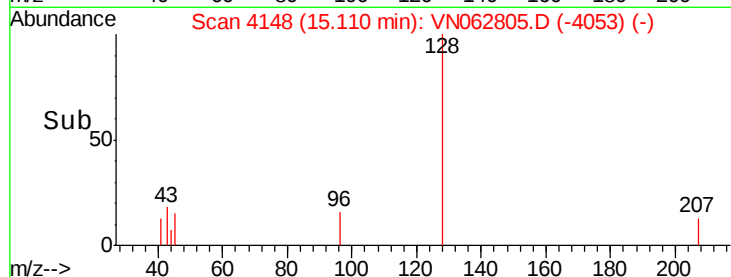
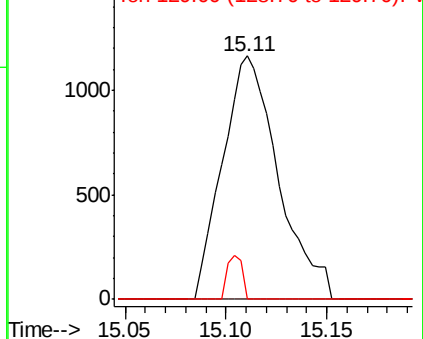
128 100

127 0.0 10.8 16.2#

129 4.9 8.8 13.2#



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: 2.776 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062805.D

Acq: 10 Aug 2020 13:43

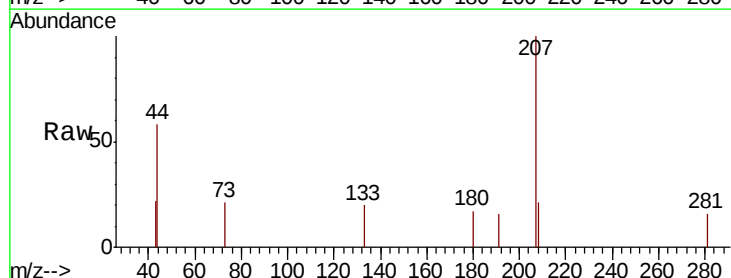
Tgt Ion:180 Resp: 62

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.6#

145 0.0 17.3 51.7#



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

