

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062806.D
 Acq On : 10 Aug 2020 14:07
 Operator : JC/MD
 Sample : L3618-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-478-480

Quant Time: Aug 11 06:54:22 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	159355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	281413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	280617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	108906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	125125	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.55	113	93333	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.06	98	356592	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
62) 4-Bromofluorobenzene	12.38	95	139329	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	

Target Compounds

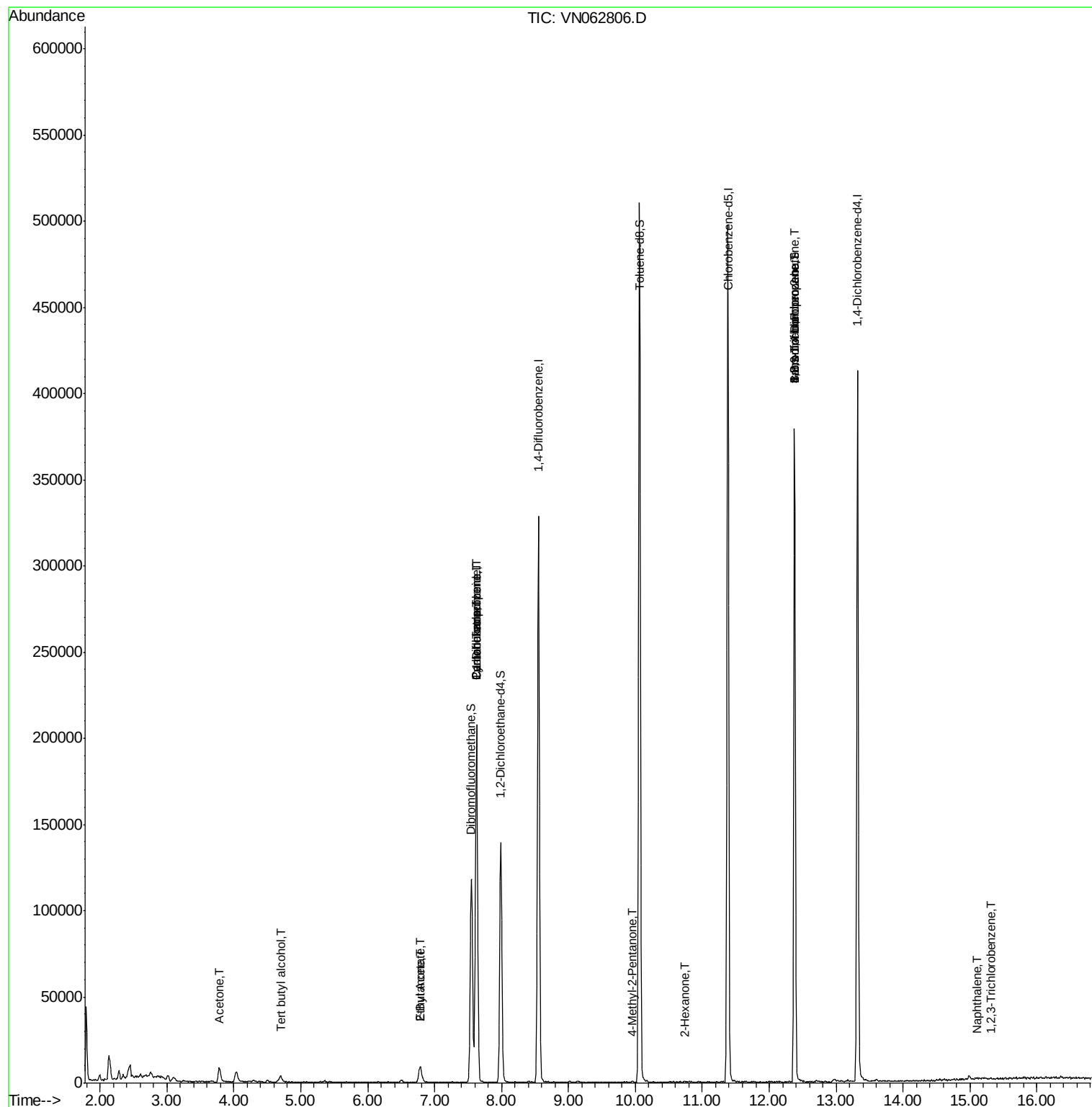
						Qvalue
11) Tert butyl alcohol	4.70	59	2913	6.744	ug/l #	72
16) Acetone	3.78	43	14745	15.485	ug/l	92
17) Carbon Disulfide	4.00	76	729	Below Cal	#	74
18) Methyl Acetate	4.30	43	1907	Below Cal	#	65
20) Methylene Chloride	4.50	84	590	Below Cal	#	55
25) 2-Butanone	6.80	43	3826	2.837	ug/l #	87
31) Cyclohexane	7.63	56	3442	1.077	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	13988	5.105	ug/l #	53
37) Ethyl Acetate	6.80	43	3826	1.337	ug/l #	76
38) Carbon Tetrachloride	7.62	117	16987	5.242	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	748	0.242	ug/l #	36
59) 2-Hexanone	10.74	43	631	0.274	ug/l #	32
71) Bromoform	12.38	173	964	0.500	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	71476	24.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	71476	74.290	ug/l #	10
95) Naphthalene	15.11	128	1056	3.903	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.30	180	29	2.756	ug/l #	12

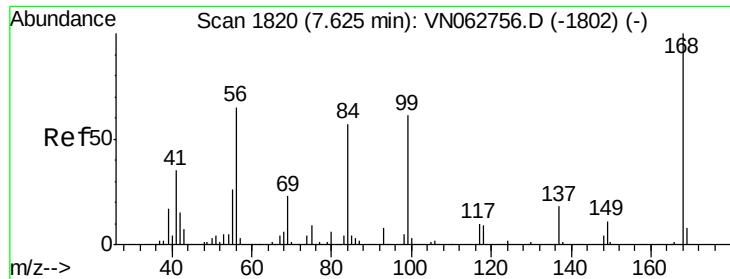
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062806.D

Acq: 10 Aug 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

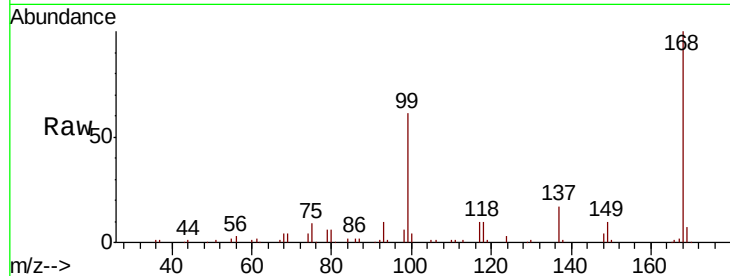
BP-VPB179-GW-478-480

Tot Ion:168 Resp: 159355

Ion Ratio Lower Upper

168 100

99 61.0 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

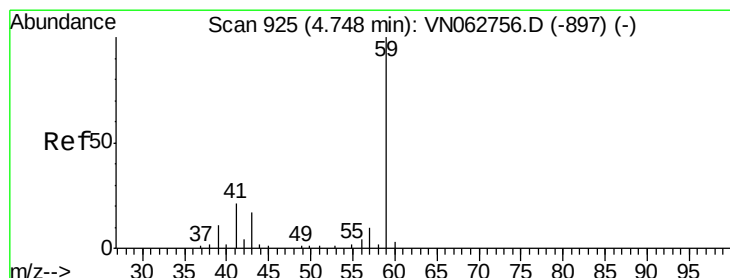
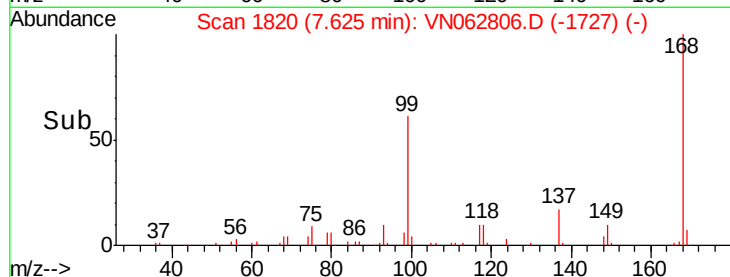
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 6.744 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.05 min

Lab File: VN062806.D

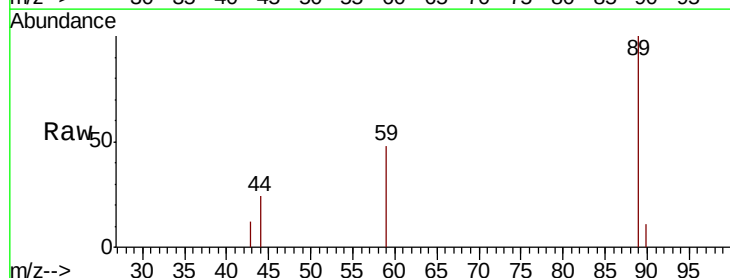
Acq: 10 Aug 2020 14:07

Tgt Ion: 59 Resp: 2913

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.70

1200

1000

800

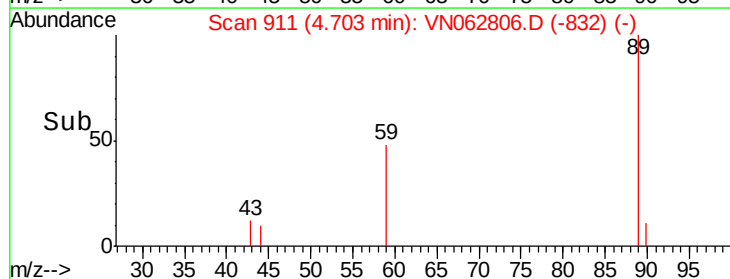
600

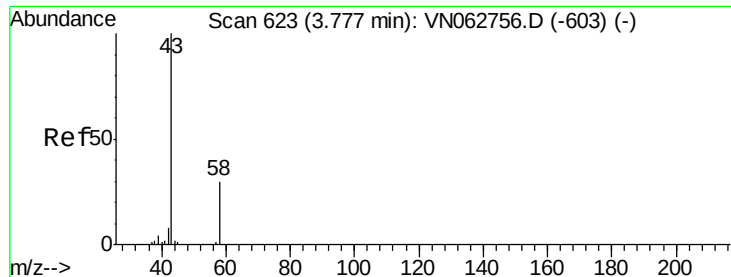
400

200

0

Time--> 4.65 4.70





#16

Acetone

Concen: 15.485 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062806.D

Acq: 10 Aug 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

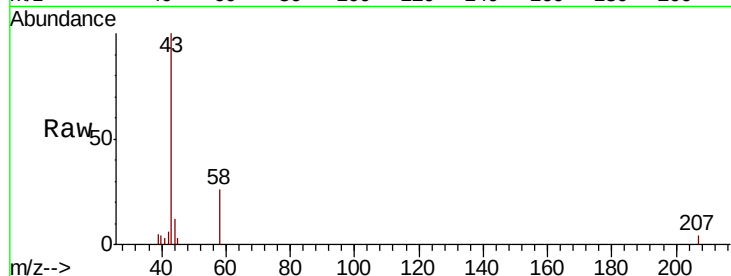
BP-VPB179-GW-478-480

Tot Ion: 43 Resp: 14745

Ion Ratio Lower Upper

43 100

58 25.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-603) (-)

3.78

6000

5000

4000

3000

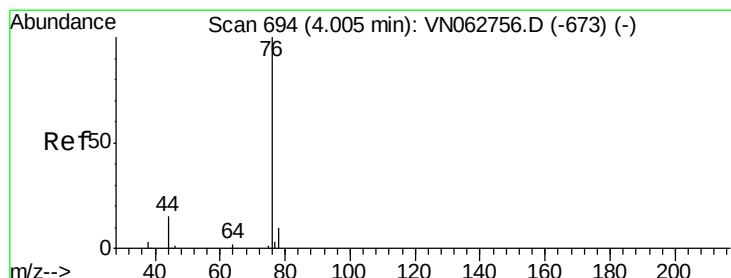
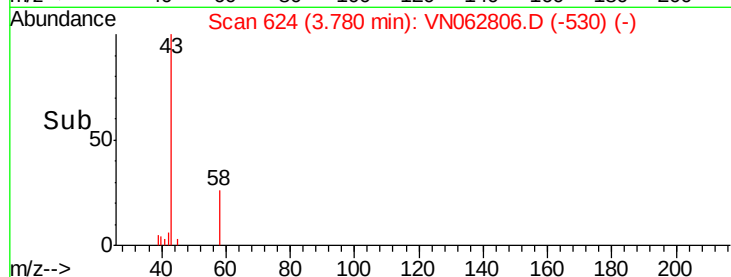
2000

1000

0

3.70 3.75 3.80 3.85 3.90

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062806.D

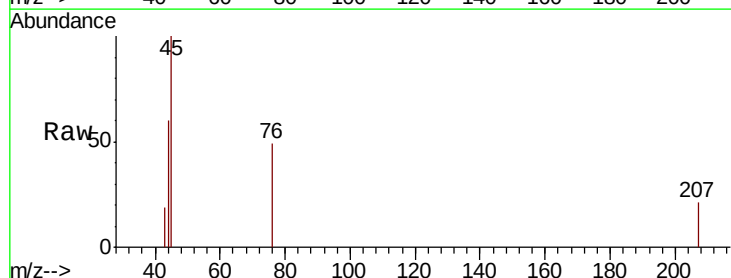
Acq: 10 Aug 2020 14:07

Tgt Ion: 76 Resp: 729

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062756.D (-673) (-)

4.00

500

400

300

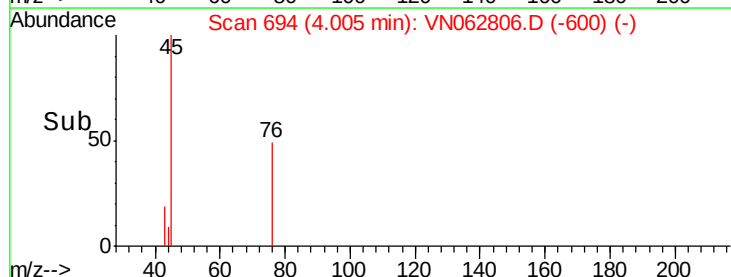
200

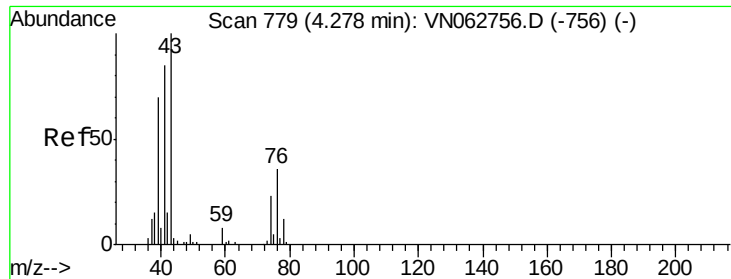
100

0

3.98 4.00 4.02 4.04

Time-->

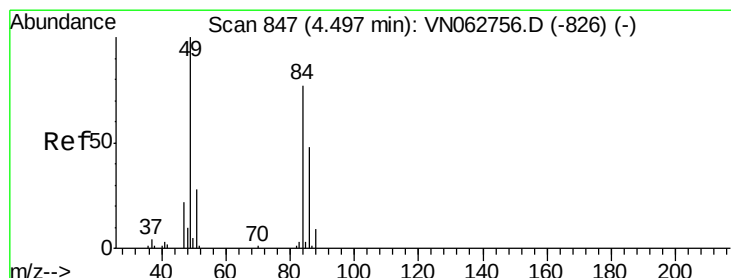
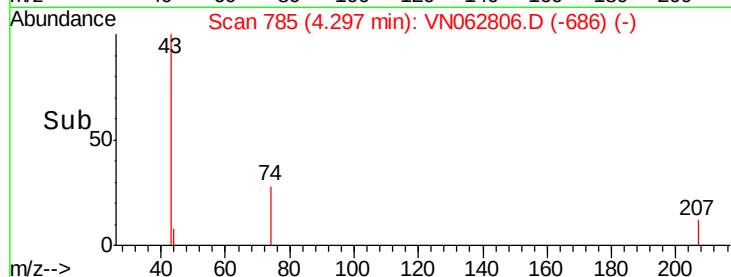
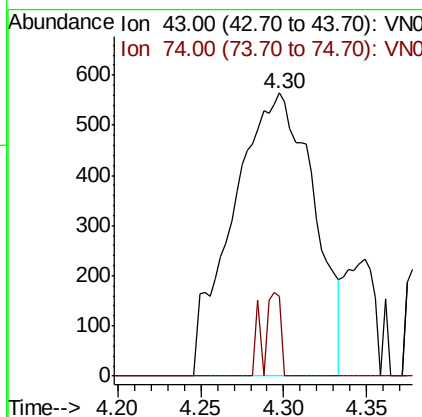
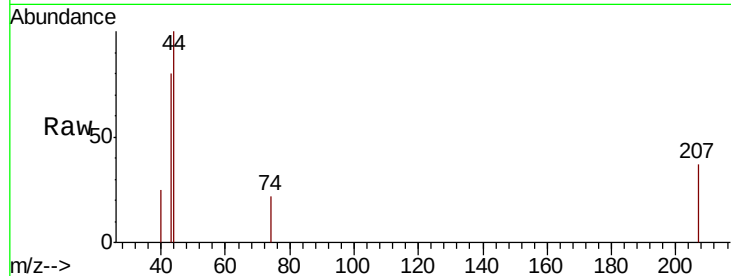




#18
Methyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 785
Delta R.T. 0.02 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

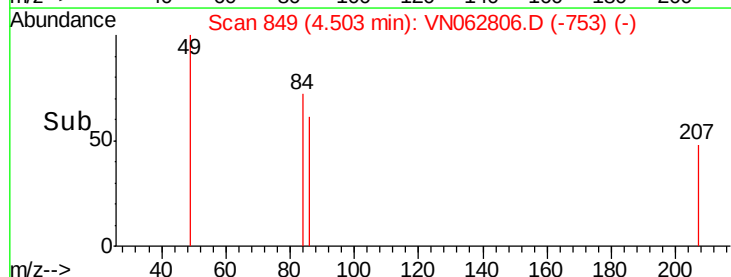
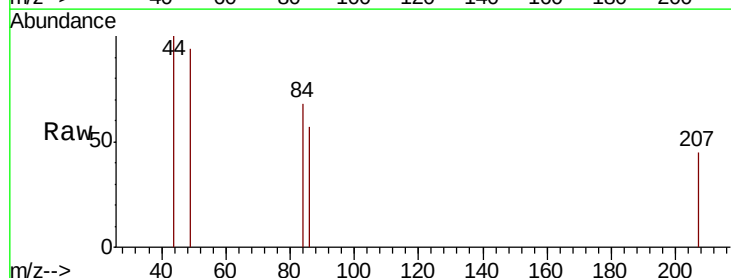
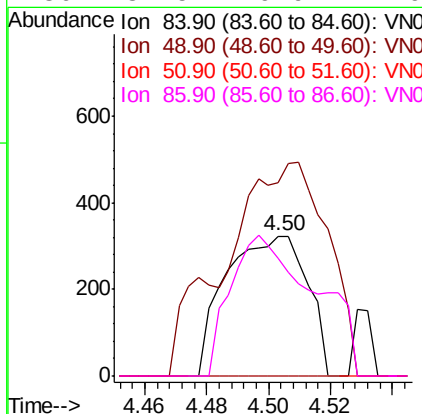
Instrument :
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ClientSampleId :
BP-VPB179-GW-478-480

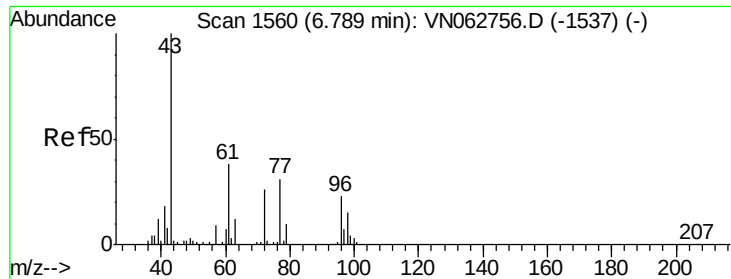
Tot Ion: 43 Resp: 1907
Ion Ratio Lower Upper
43 100
74 6.3 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

Tgt Ion: 84 Resp: 590
Ion Ratio Lower Upper
84 100
49 74.0 103.4 155.2#
51 0.0 29.3 43.9#
86 84.5 49.9 74.9#

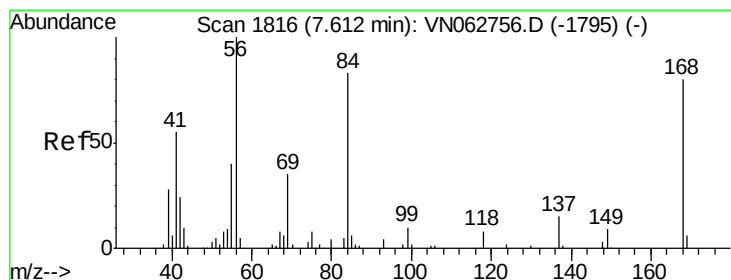
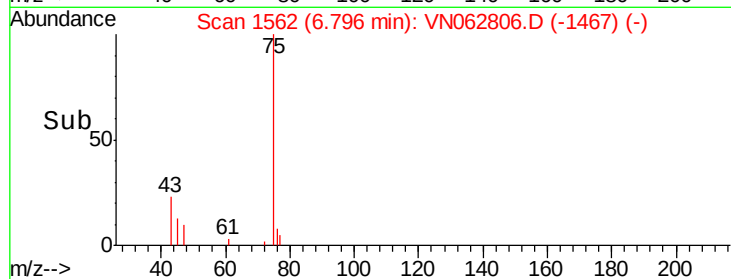
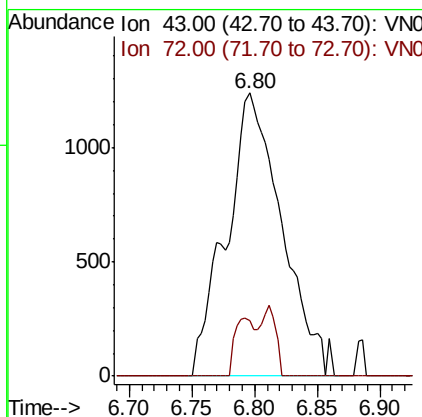
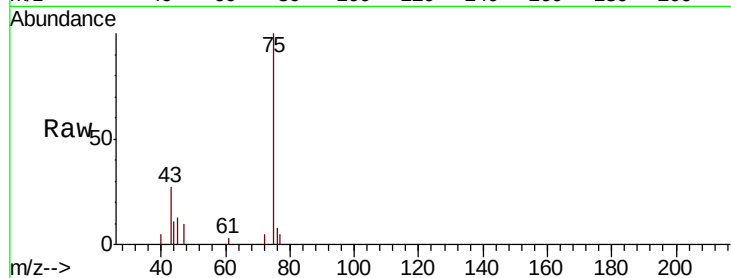




#25
2-Butanone
Concen: 2.837 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

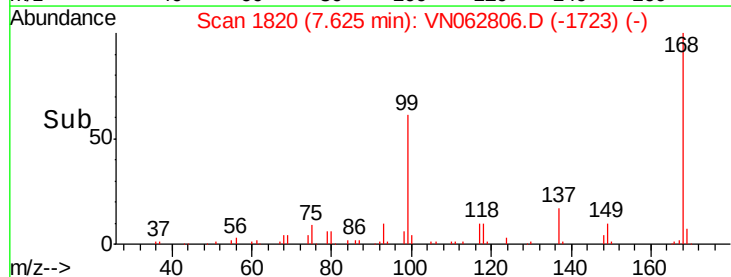
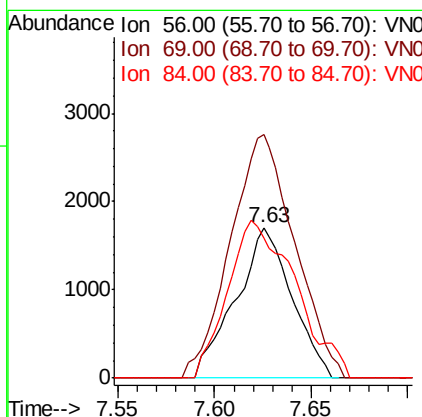
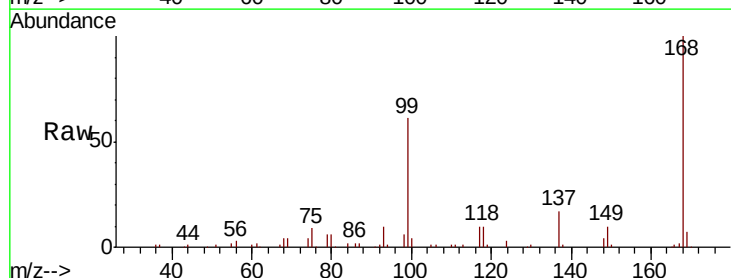
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-478-480

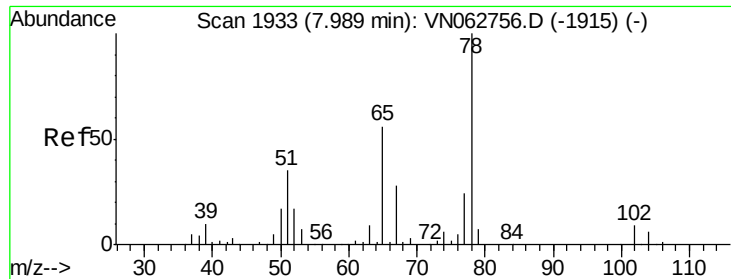
Tot Ion: 43 Resp: 3826
Ion Ratio Lower Upper
43 100
72 19.8 21.1 31.7#



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

Tgt Ion: 56 Resp: 3442
Ion Ratio Lower Upper
56 100
69 151.7 28.1 42.1#
84 92.6 66.8 100.2

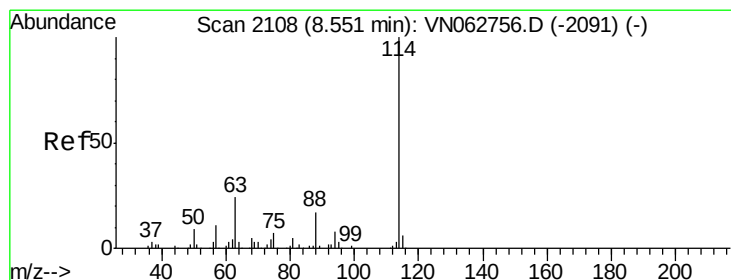
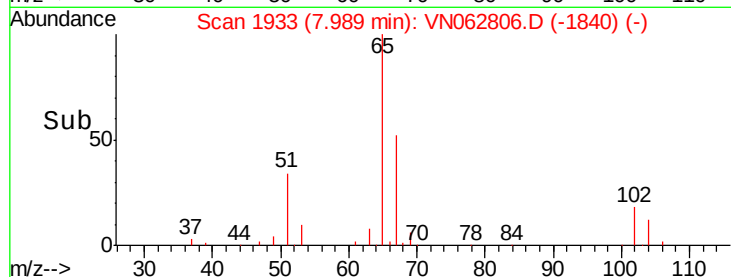
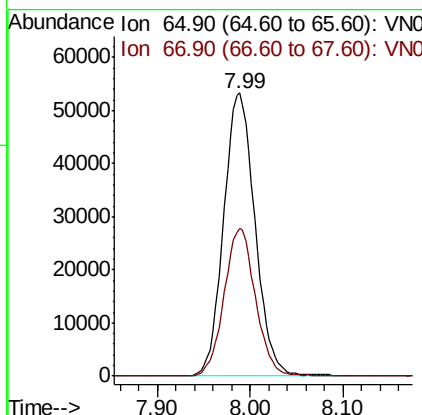
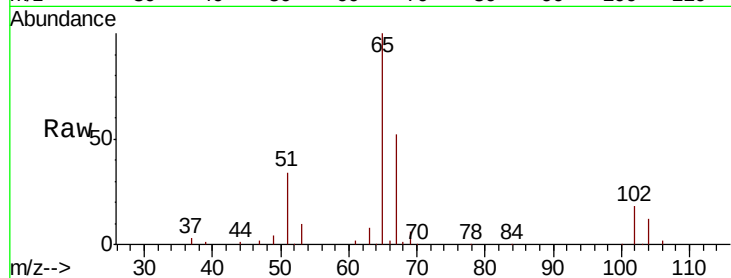




#33
 1,2-Dichloroethane-d4
 Concen: 47.482 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062806.D
 Acq: 10 Aug 2020 14:07

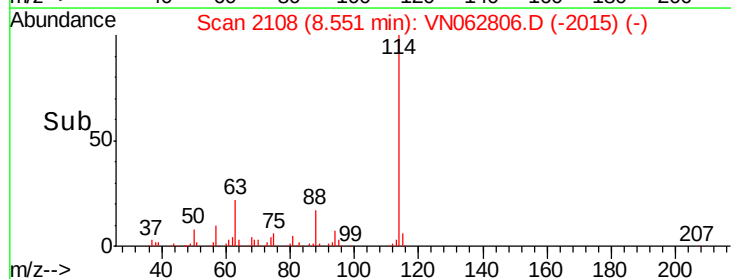
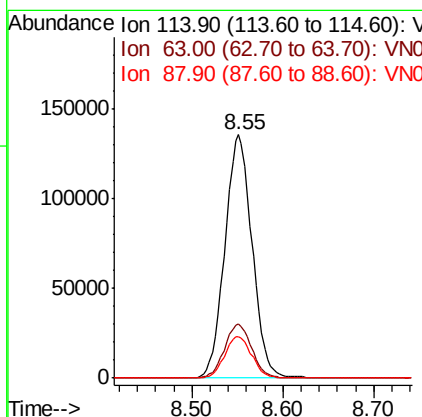
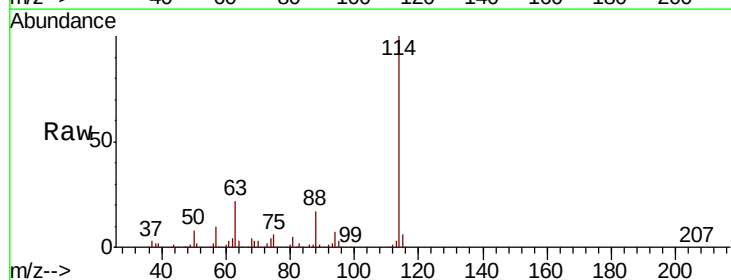
Instrument :
 MSVOA_N
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 BP-VPB179-GW-478-480

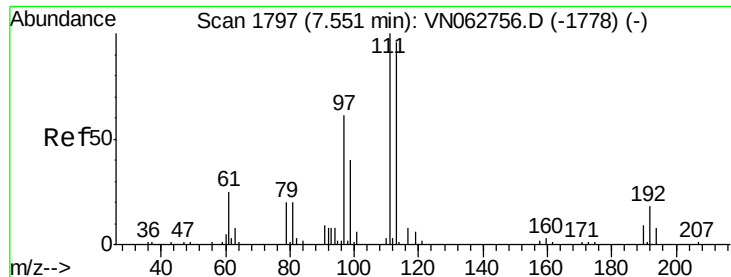
Tot Ion: 65 Resp: 125125
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062806.D
 Acq: 10 Aug 2020 14:07

Tgt Ion: 114 Resp: 281413
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 47.6
 88 17.1 0.0 34.4

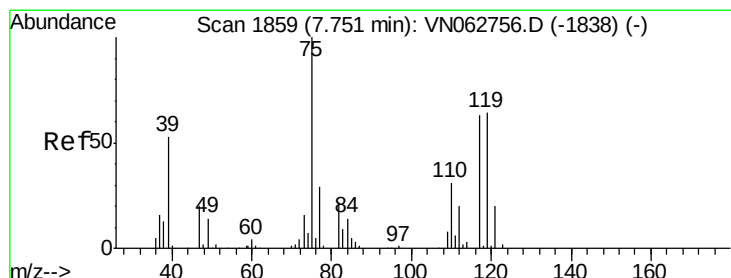
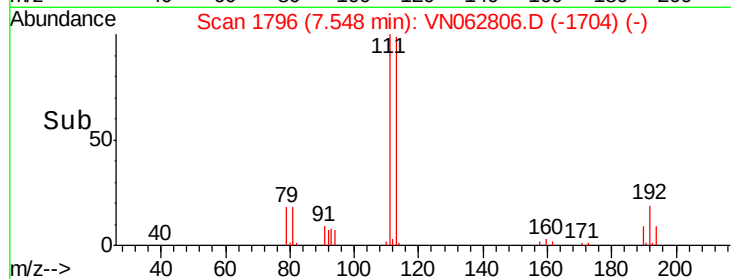
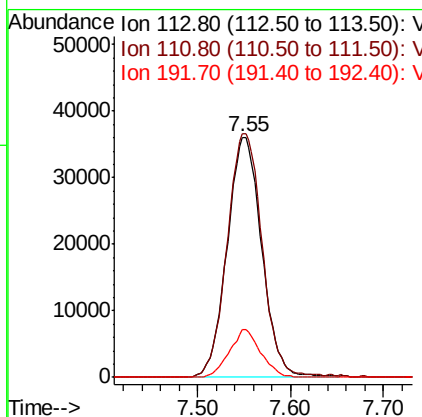
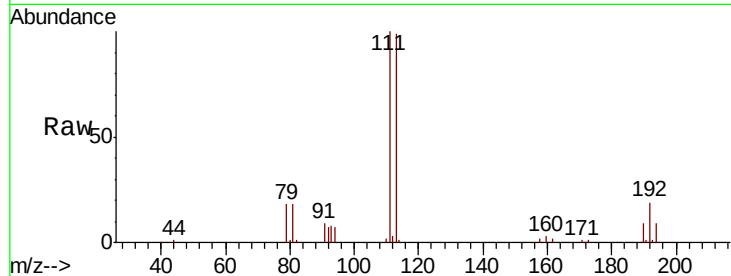




#35
Dibromofluoromethane
Concen: 48.484 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

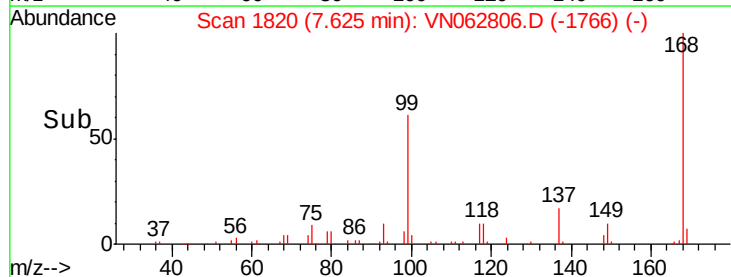
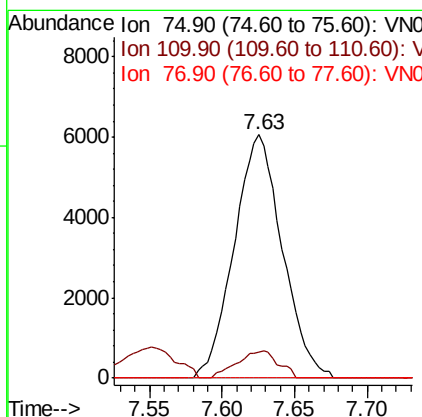
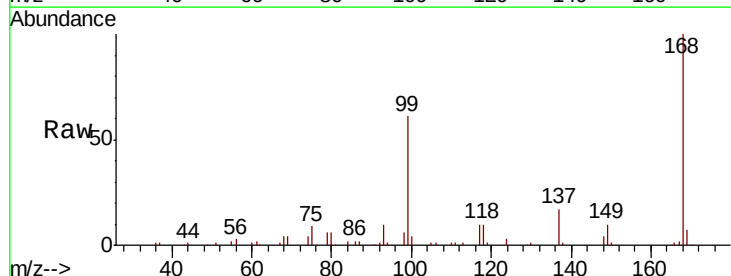
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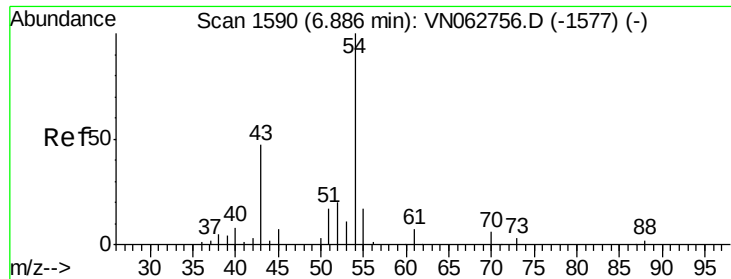
Tot Ion:113 Resp: 93333
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 17.9 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.105 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

Tgt Ion: 75 Resp: 13988
Ion Ratio Lower Upper
75 100
110 9.5 15.6 46.7#
77 0.0 24.1 36.1#

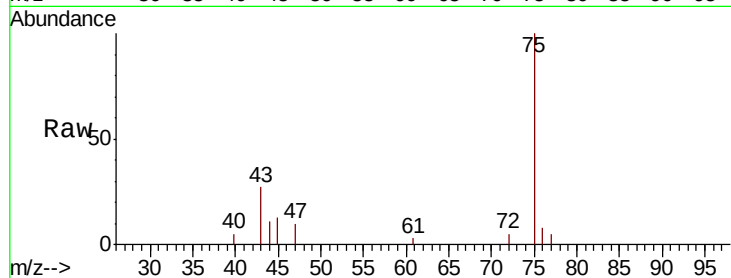




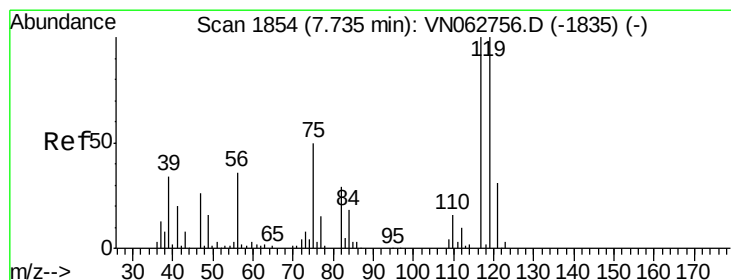
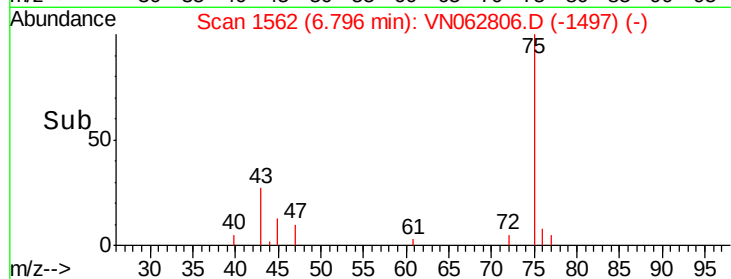
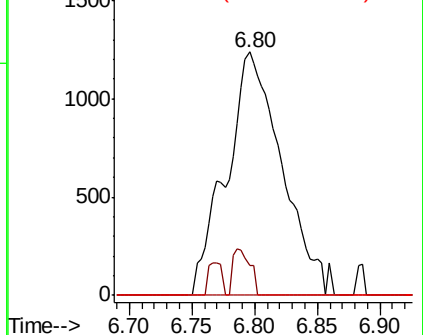
#37
Ethyl Acetate
Concen: 1.337 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.09 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-478-480

Tot Ion: 43 Resp: 3826
Ion Ratio Lower Upper
43 100
61 5.9 12.1 18.1#
70 0.0 8.3 12.5#

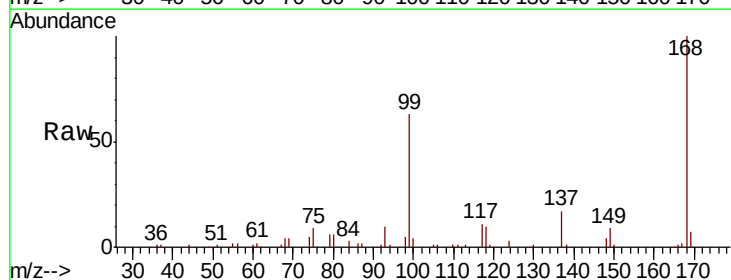


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

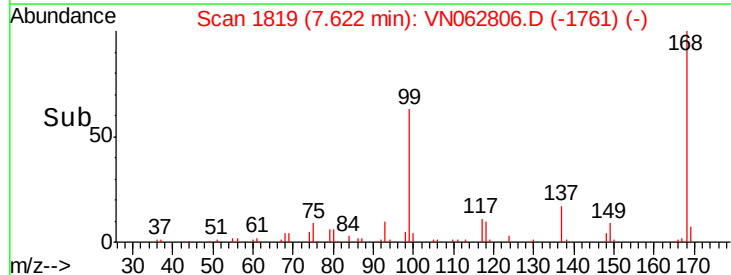
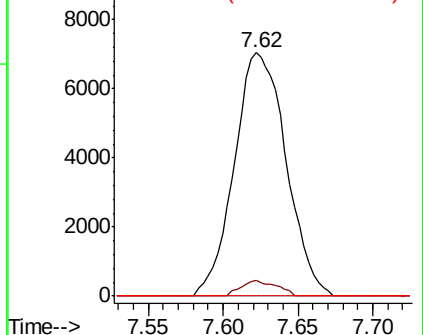


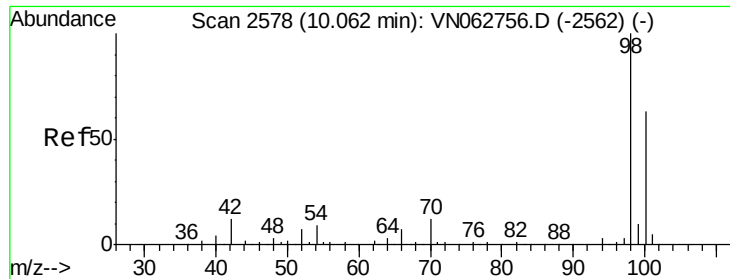
#38
Carbon Tetrachloride
Concen: 5.242 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

Tgt Ion: 117 Resp: 16987
Ion Ratio Lower Upper
117 100
119 6.3 79.4 119.2#
121 0.0 24.9 37.3#



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





#50

Toluene-d8

Concen: 47.448 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062806.D

Acq: 10 Aug 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

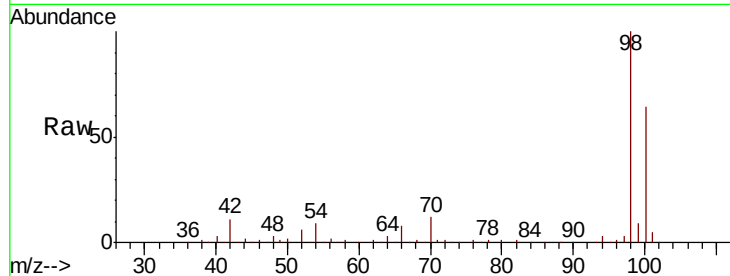
BP-VPB179-GW-478-480

Tot Ion: 98 Resp: 356592

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062756.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062756.D (-2562) (-)

10.06

200000

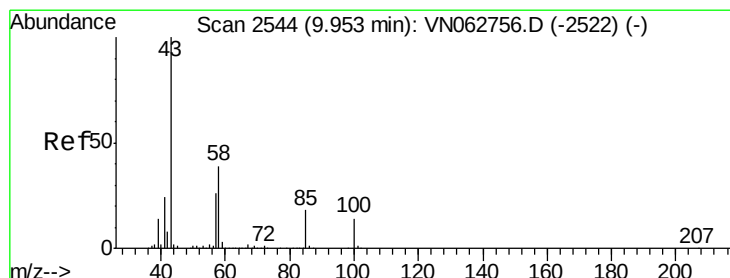
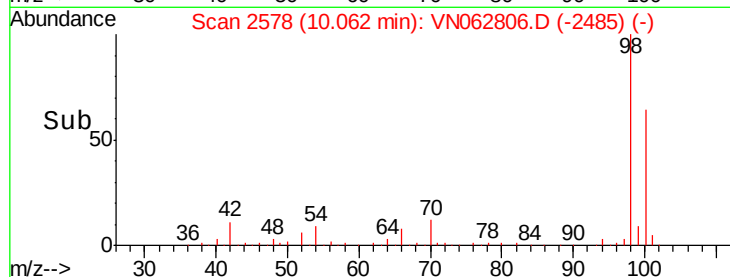
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.242 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062806.D

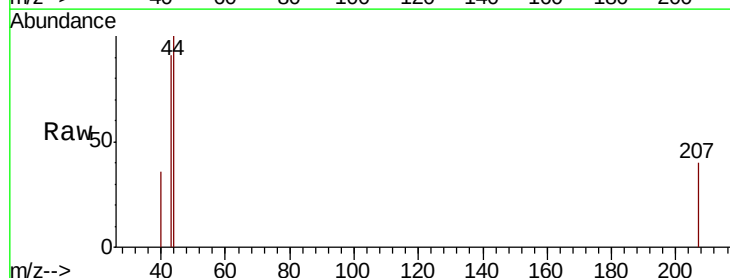
Acq: 10 Aug 2020 14:07

Tgt Ion: 43 Resp: 748

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)

9.95

500

400

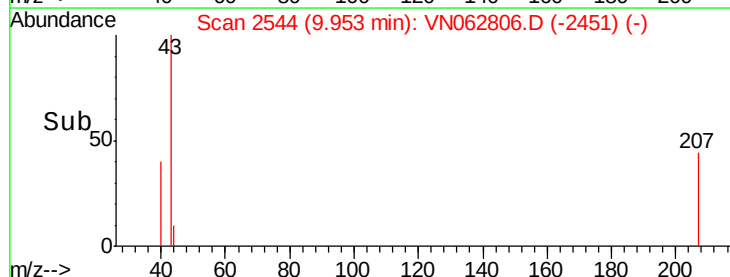
300

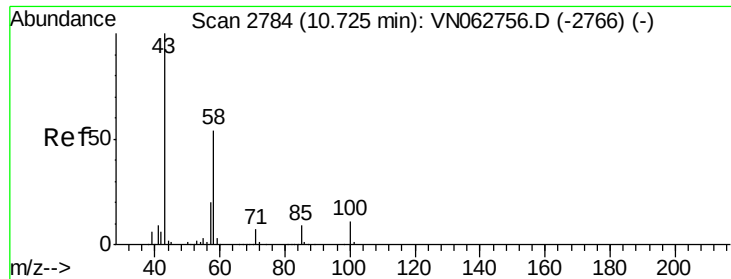
200

100

0

Time-->

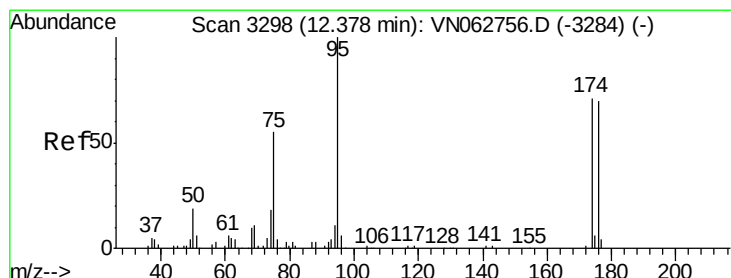
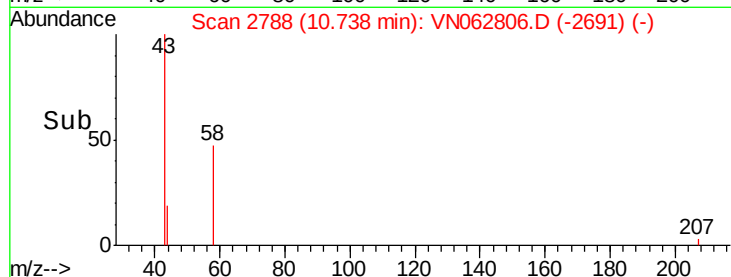
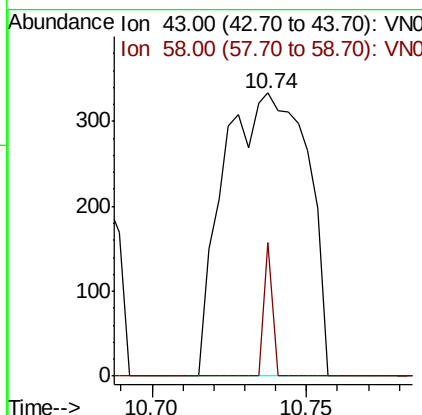
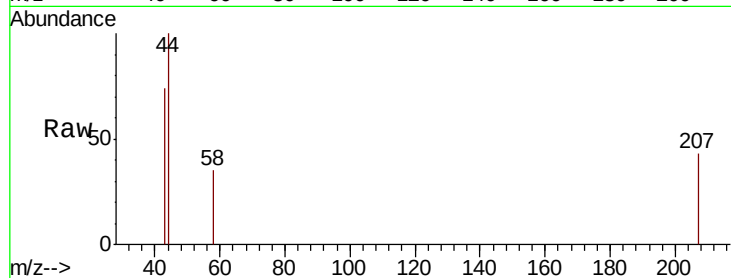




#59
2-Hexanone
Concen: 0.274 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

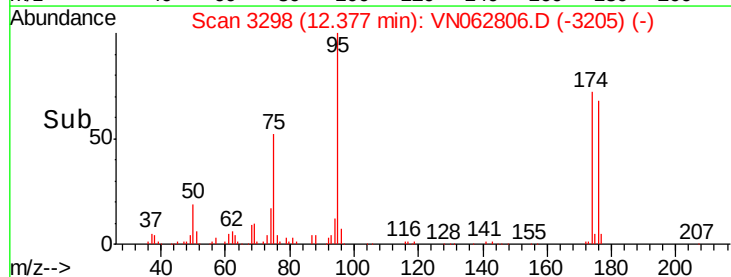
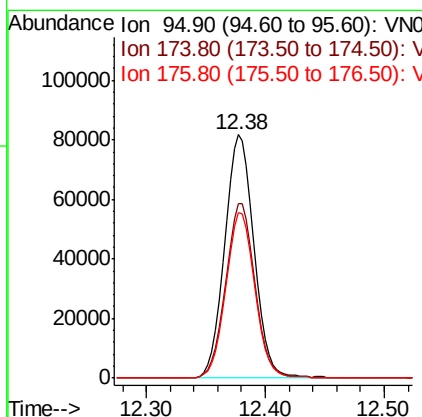
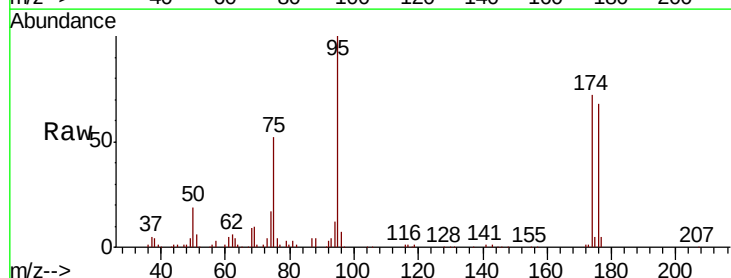
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-478-480

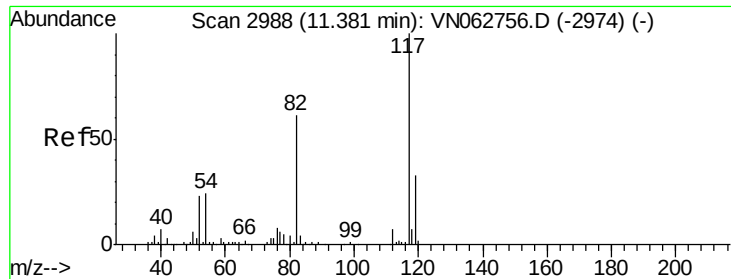
Tot Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
58 4.8 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 49.058 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

Tgt Ion: 95 Resp: 139329
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.8
176 67.8 0.0 142.2

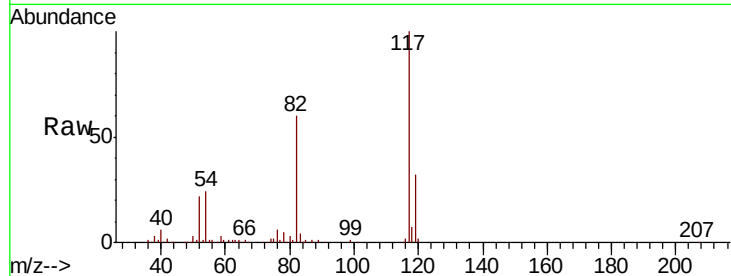




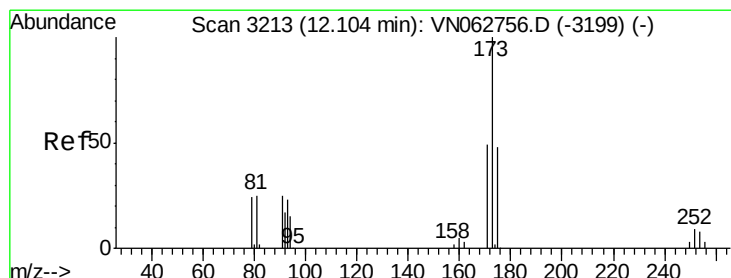
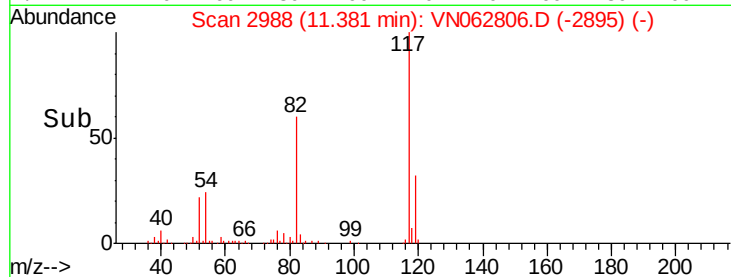
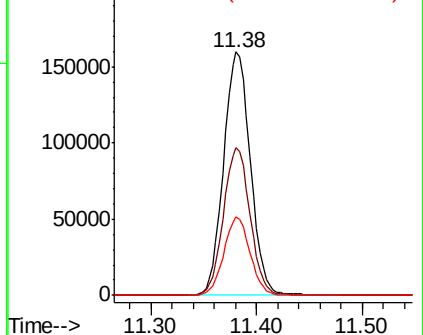
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-478-480

Tot Ion:117 Resp: 280617
Ion Ratio Lower Upper
117 100
82 60.5 49.0 73.4
119 32.0 26.2 39.2

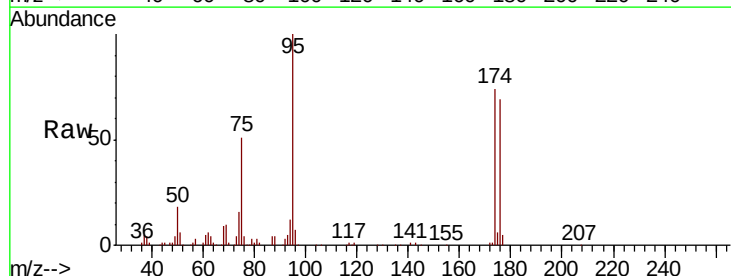


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

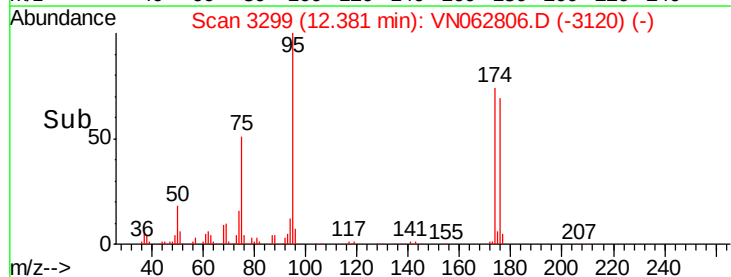
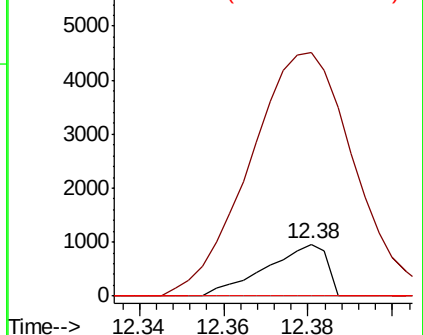


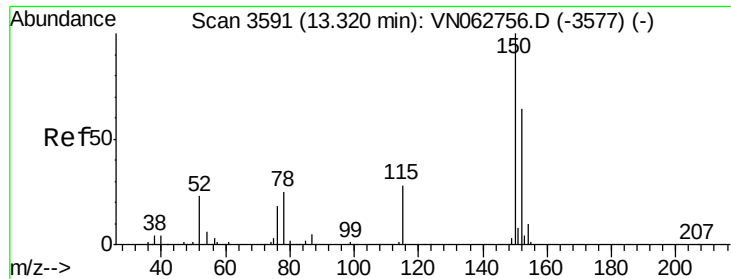
#71
Bromoform
Concen: 0.500 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062806.D
Acq: 10 Aug 2020 14:07

Tgt Ion:173 Resp: 964
Ion Ratio Lower Upper
173 100
175 711.7 24.0 72.0#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN062806.D

Acq: 10 Aug 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-478-480

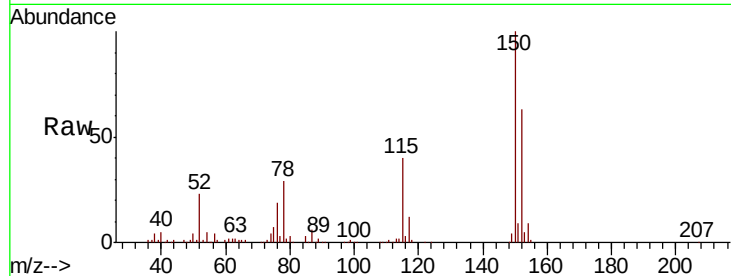
Tot Ion:152 Resp: 108906

Ion Ratio Lower Upper

152 100

115 63.1 31.6 94.8

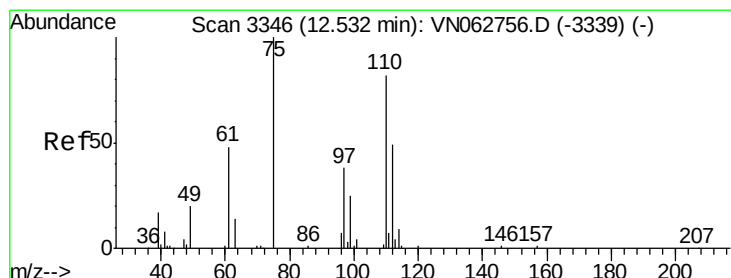
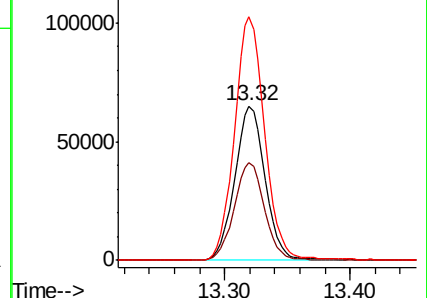
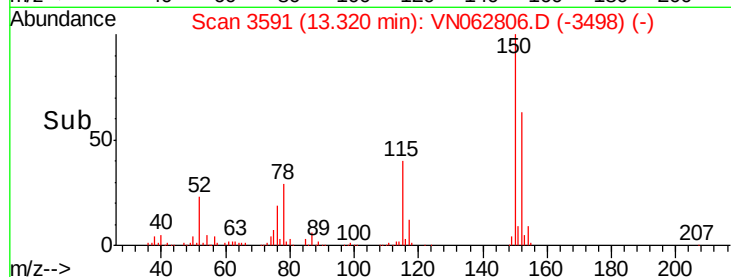
150 156.5 0.0 349.2



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: 24.336 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062806.D

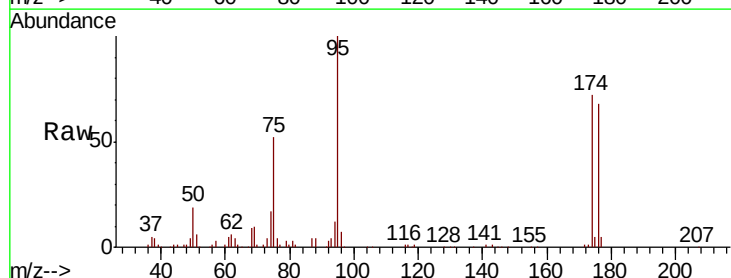
Acq: 10 Aug 2020 14:07

Tgt Ion: 75 Resp: 71476

Ion Ratio Lower Upper

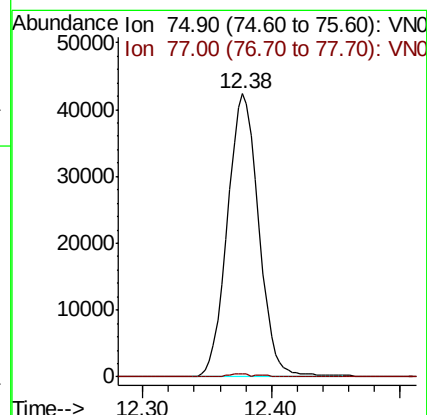
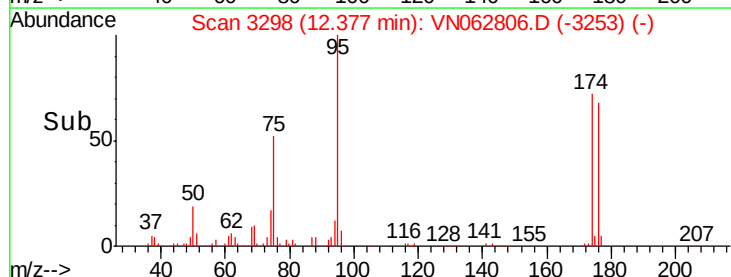
75 100

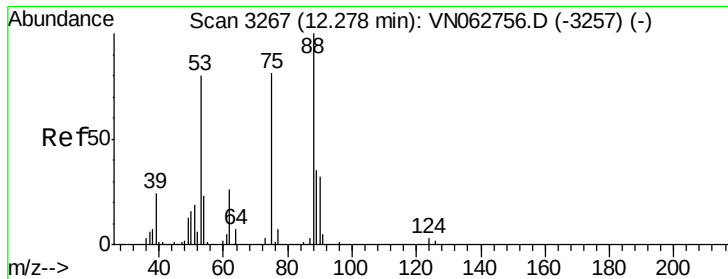
77 0.6 0.0 0.0#



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: 74.290 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062806.D

Acq: 10 Aug 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-478-480

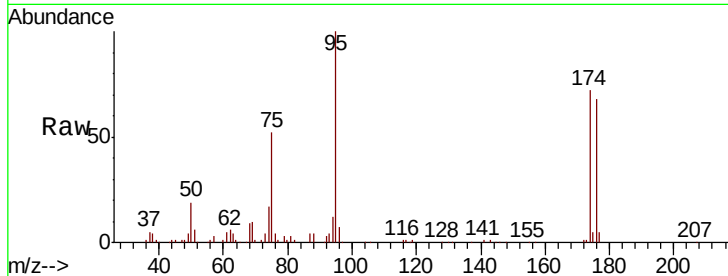
Tot Ion: 75 Resp: 71476

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

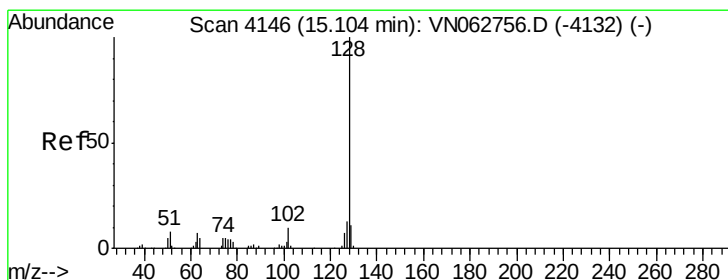
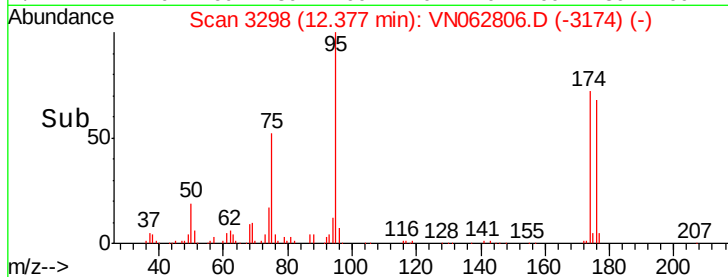
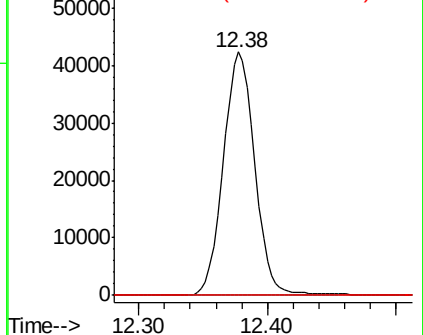
89 0.0 36.2 54.2#



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: 3.903 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062806.D

Acq: 10 Aug 2020 14:07

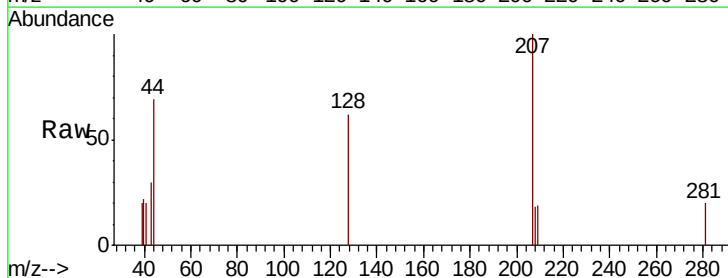
Tgt Ion: 128 Resp: 1056

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

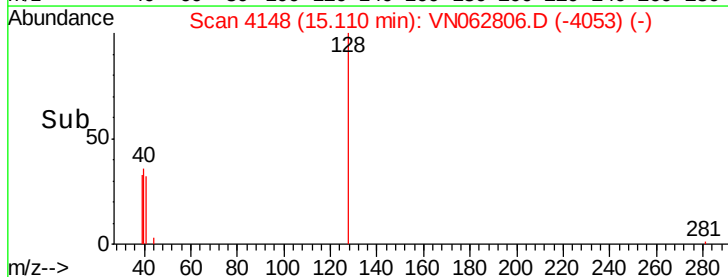
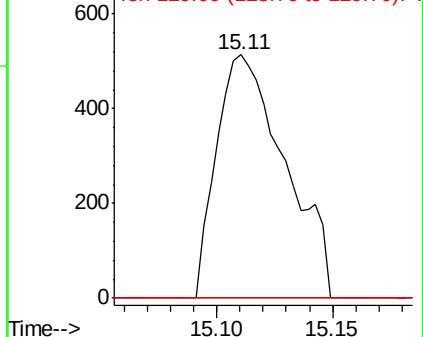
129 0.0 8.8 13.2#

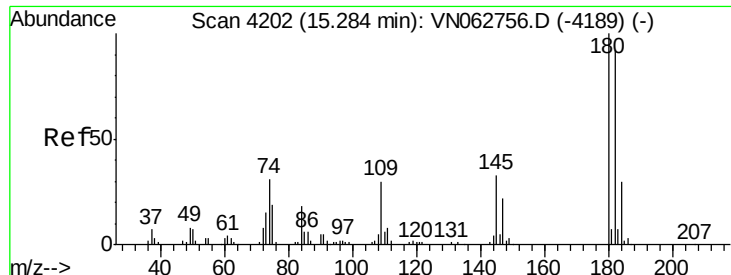


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

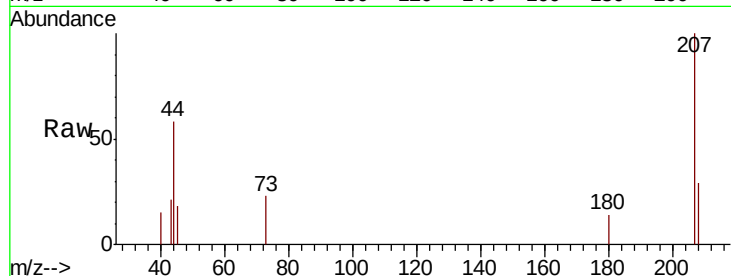




#96
 1,2,3-Trichlorobenzene
 Concen: 2.756 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.02 min
 Lab File: VN062806.D
 Acq: 10 Aug 2020 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-478-480

Tot 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

