

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062917.D
 Acq On : 13 Aug 2020 18:05
 Operator : JC/MD
 Sample : PB130937TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130937TB

Quant Time: Aug 14 05:09:49 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	121908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	207827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	210025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85477	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	102410	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
35) Dibromofluoromethane	7.55	113	73498	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
50) Toluene-d8	10.06	98	269854	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.38	95	102227	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	

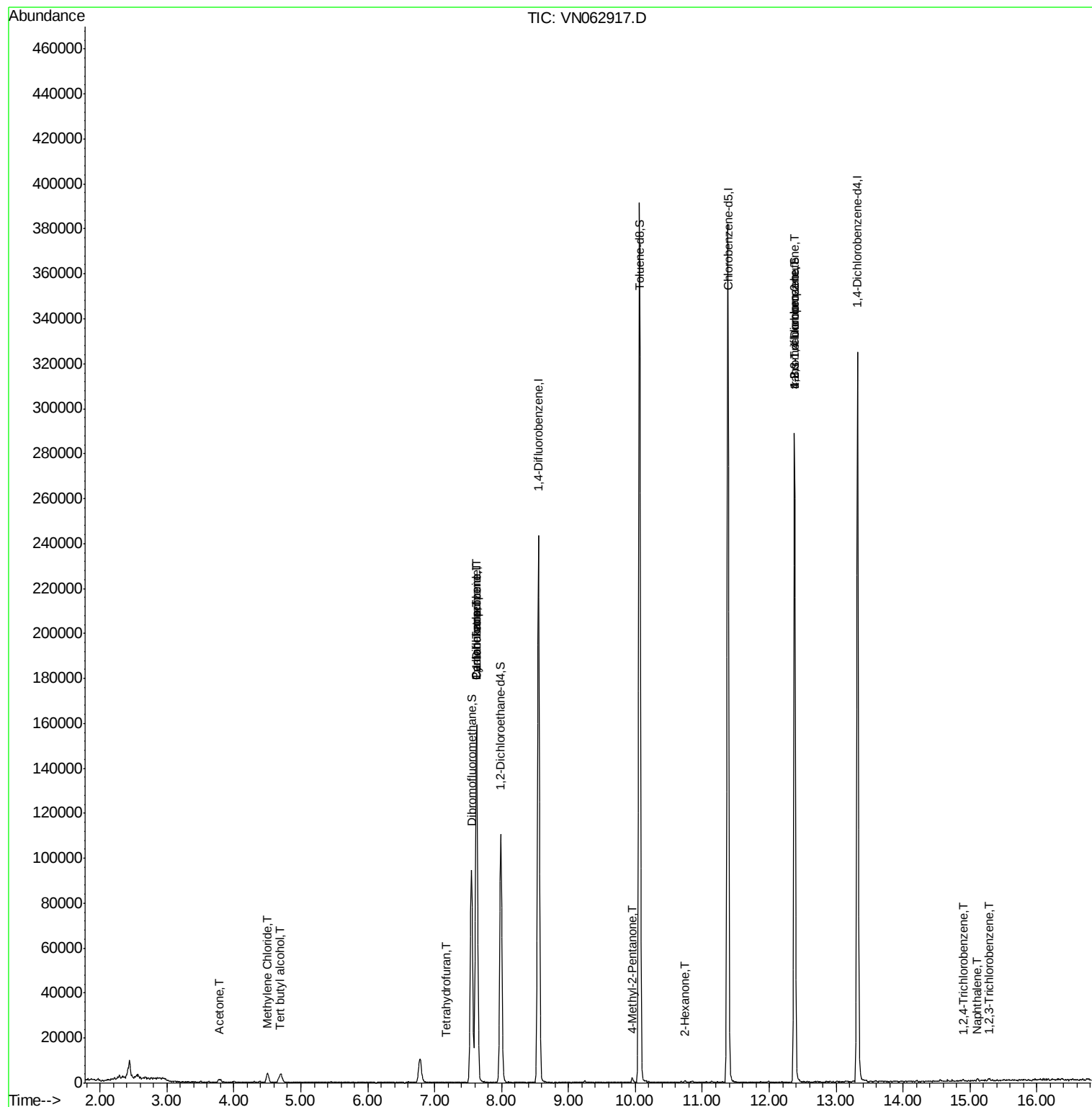
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	4127	12.490	ug/l #	72
16) Acetone	3.78	43	1713	2.352	ug/l	94
17) Carbon Disulfide	4.00	76	341	Below Cal	#	74
18) Methyl Acetate	4.28	43	216	Below Cal	#	52
20) Methylene Chloride	4.50	84	2971	1.491	ug/l #	79
29) Tetrahydrofuran	7.18	42	304	0.454	ug/l #	33
31) Cyclohexane	7.62	56	2592	1.060	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	10272	5.076	ug/l #	52
38) Carbon Tetrachloride	7.63	117	13227	5.527	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	1684	0.738	ug/l #	72
59) 2-Hexanone	10.74	43	359	0.211	ug/l #	25
76) 1,2,3-Trichloropropane	12.38	75	56088	24.331	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56088	74.275	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	212	3.460	ug/l #	33
95) Naphthalene	15.11	128	1259	4.005	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.28	180	448	3.039	ug/l #	71

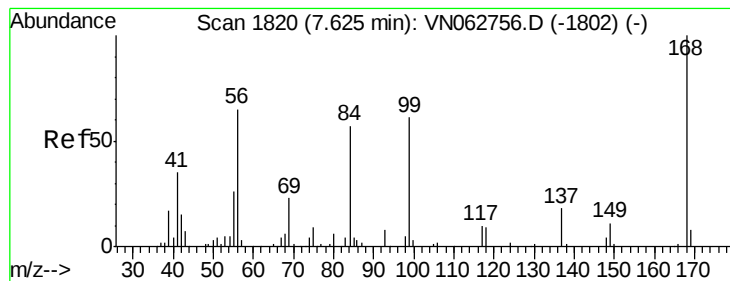
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

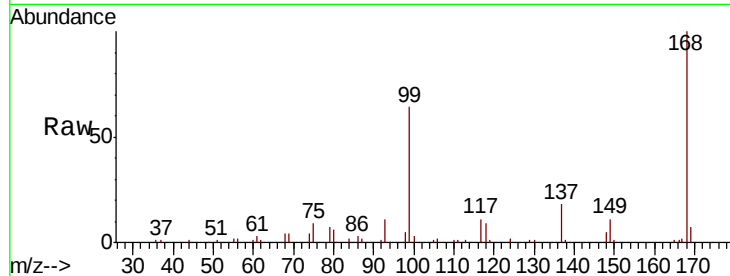
PB130937TB

Tot Ion:168 Resp: 121908

Ion Ratio Lower Upper

168 100

99 63.5 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

30000

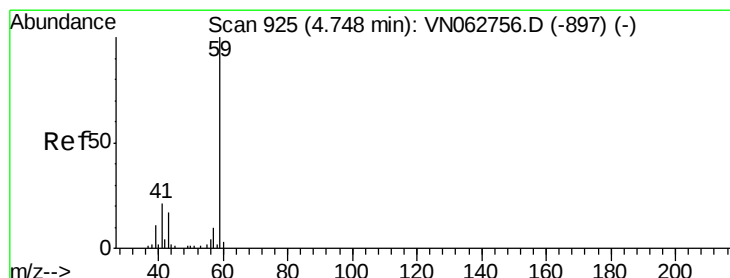
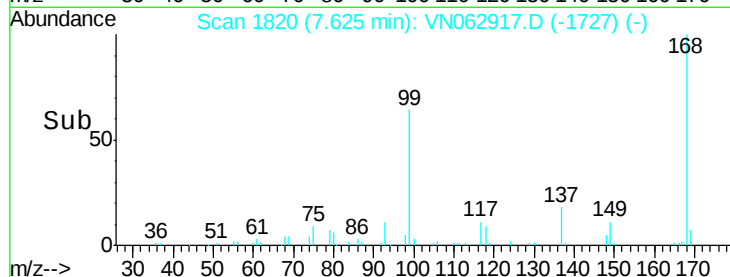
20000

10000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 12.490 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.05 min

Lab File: VN062917.D

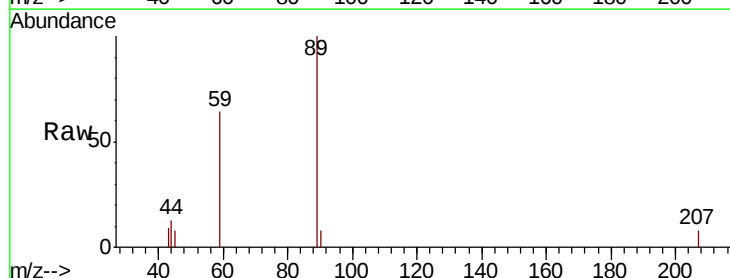
Acq: 13 Aug 2020 18:05

Tgt Ion: 59 Resp: 4127

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.70

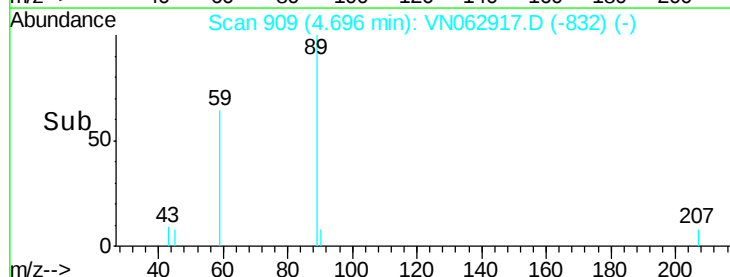
1000

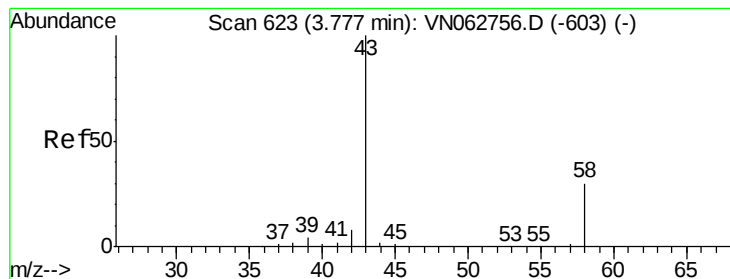
500

0

Time-->

4.60 4.65 4.70 4.75 4.80





#16

Acetone

Concen: 2.352 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

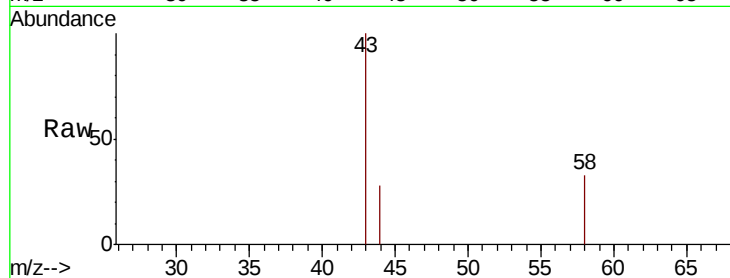
PB130937TB

Tot Ion: 43 Resp: 1713

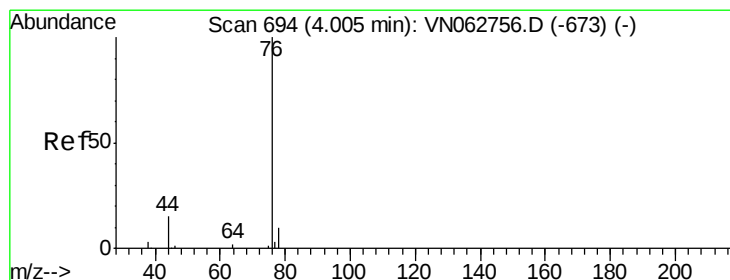
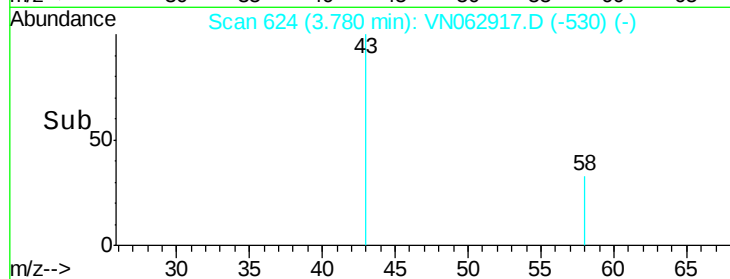
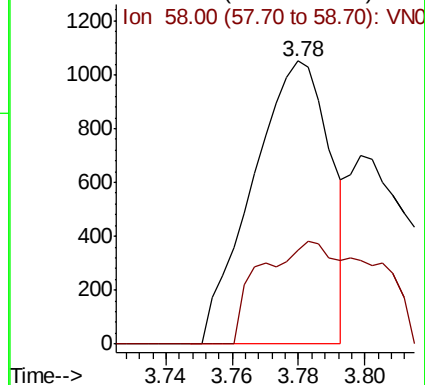
Ion Ratio Lower Upper

43 100

58 33.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062917.D (-530) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN062917.D

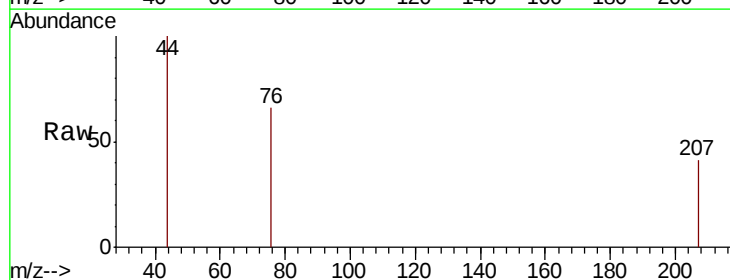
Acq: 13 Aug 2020 18:05

Tgt Ion: 76 Resp: 341

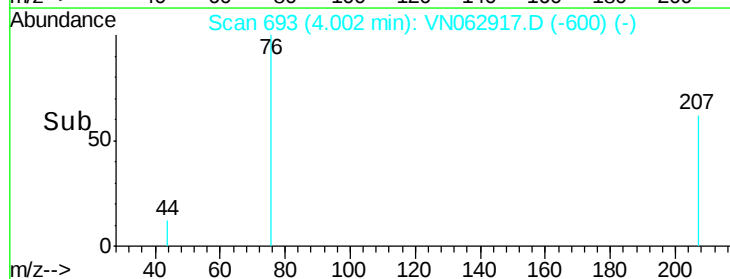
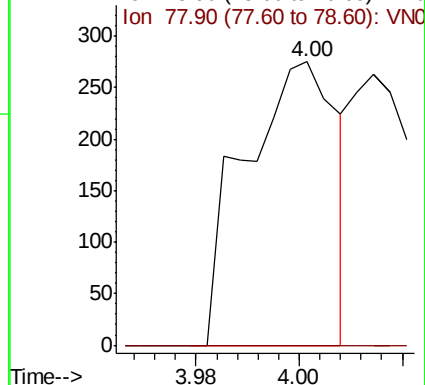
Ion Ratio Lower Upper

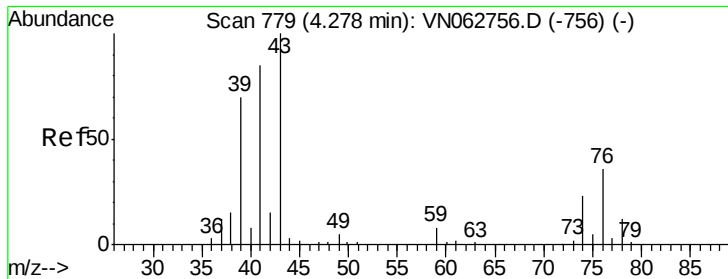
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062917.D (-600) (-)

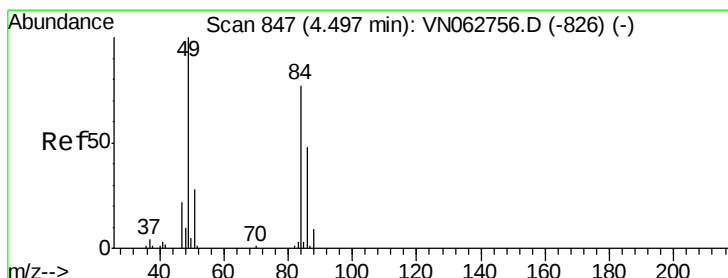
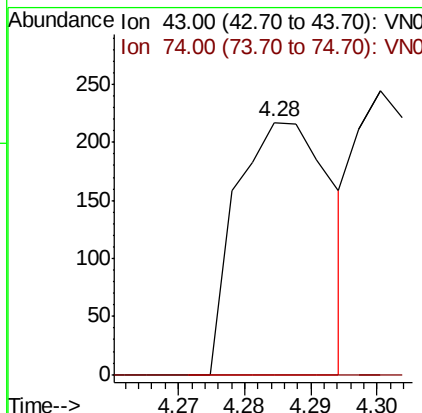
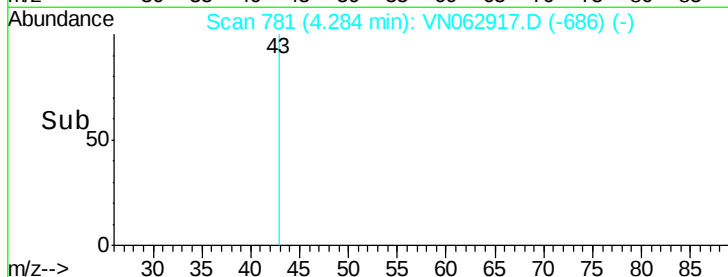
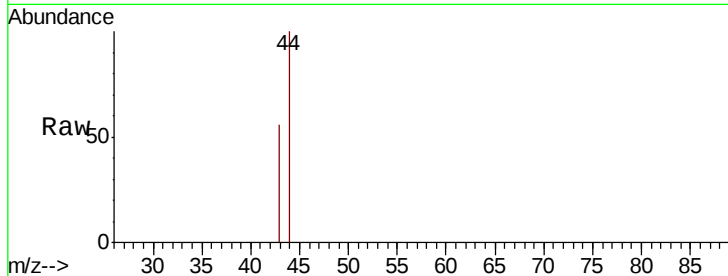




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062917.D
Acq: 13 Aug 2020 18:05

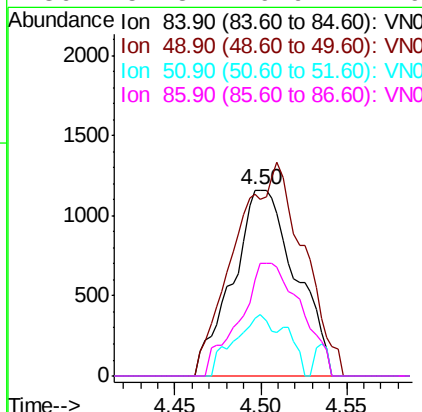
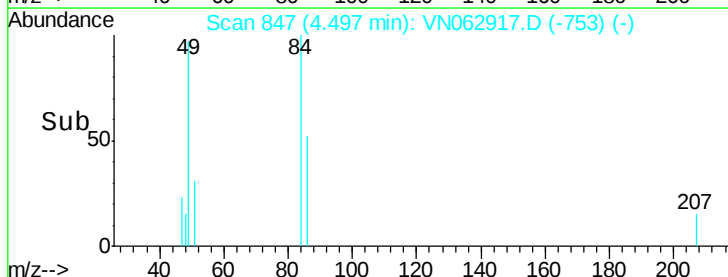
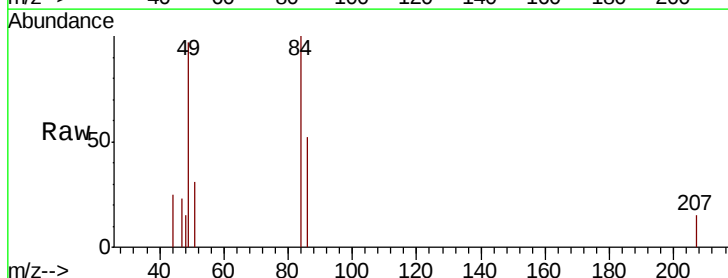
Instrument :
MSVOA_N
ClientSampled :
PB130937TB

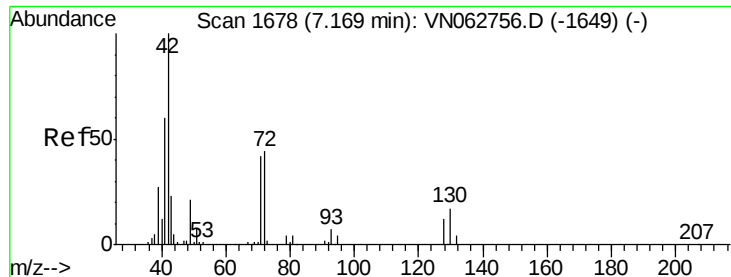
Tot Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 1.491 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062917.D
Acq: 13 Aug 2020 18:05

Tgt Ion: 84 Resp: 2971
Ion Ratio Lower Upper
84 100
49 97.4 103.4 155.2#
51 31.0 29.3 43.9
86 51.8 49.9 74.9





#29

Tetrahydrofuran

Concen: 0.454 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

PB130937TB

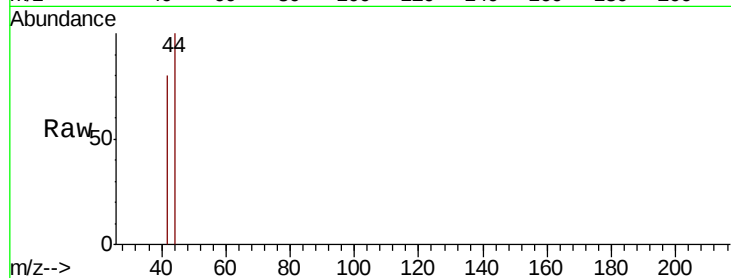
Tot Ion: 42 Resp: 304

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

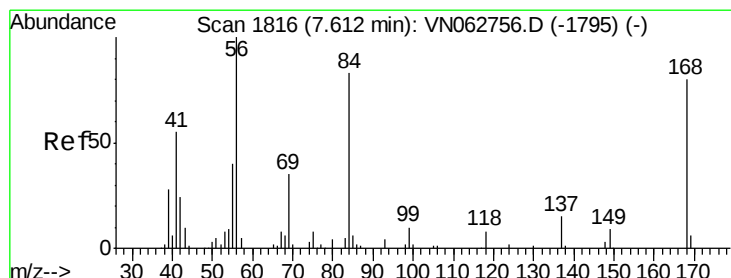
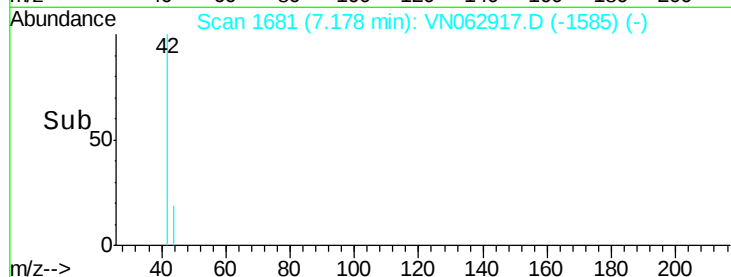
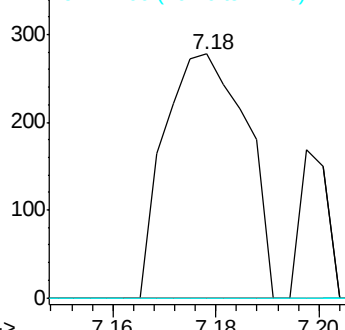
71 0.0 33.2 49.8#



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: 1.060 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

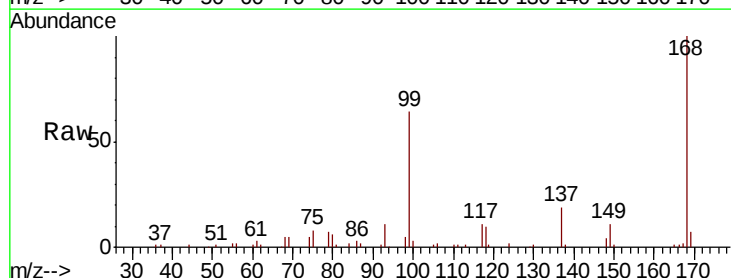
Tgt Ion: 56 Resp: 2592

Ion Ratio Lower Upper

56 100

69 189.1 28.1 42.1#

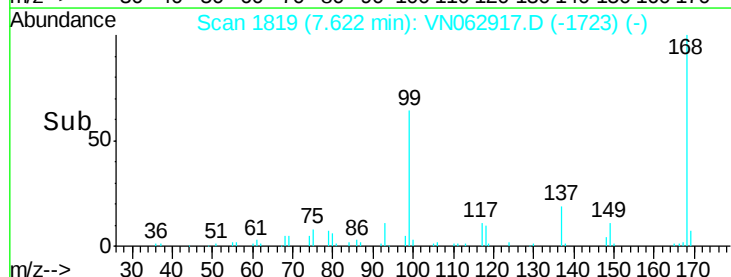
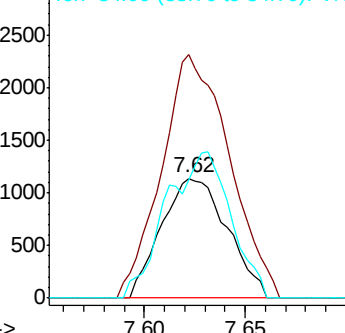
84 98.5 66.8 100.2

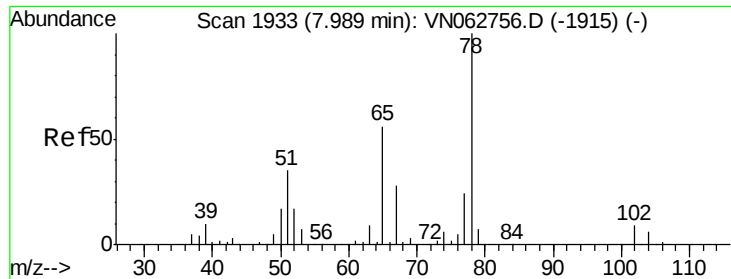


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.799 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

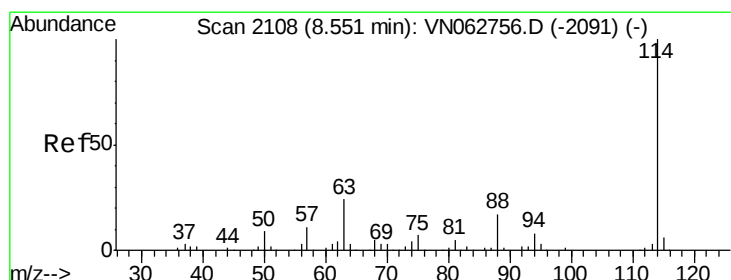
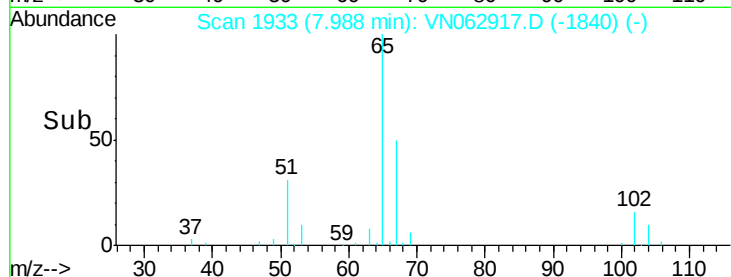
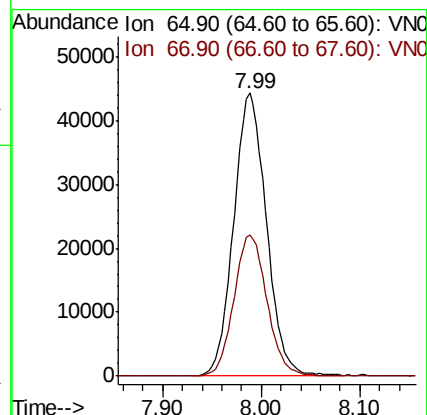
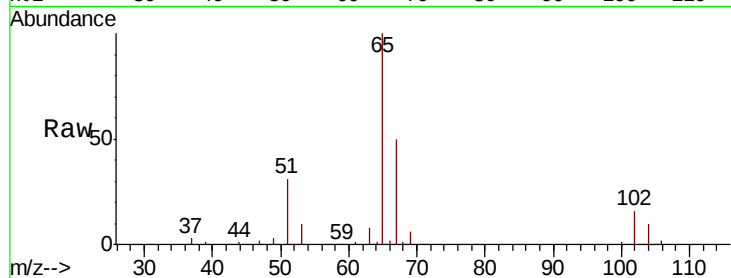
PB130937TB

Tot Ion: 65 Resp: 102410

Ion Ratio Lower Upper

65 100

67 50.3 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: VN062917.D

Acq: 13 Aug 2020 18:05

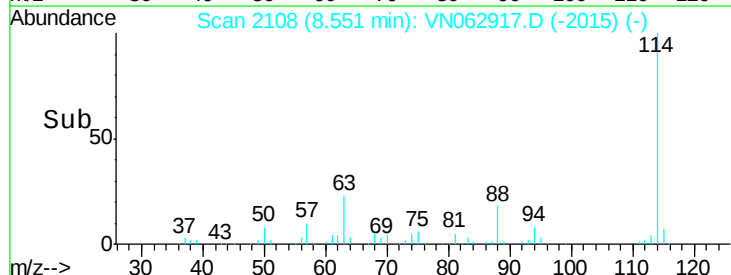
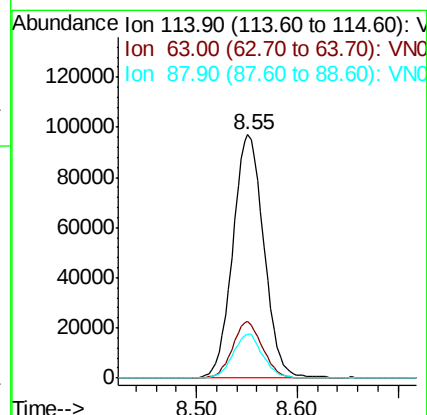
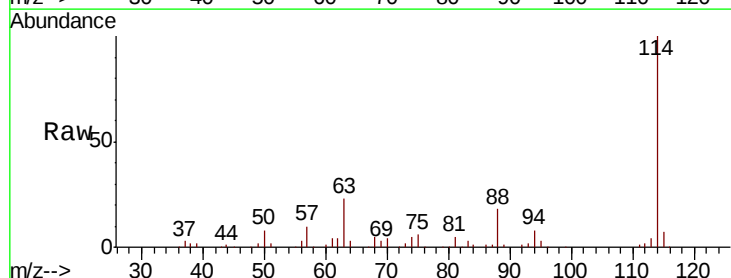
Tgt Ion: 114 Resp: 207827

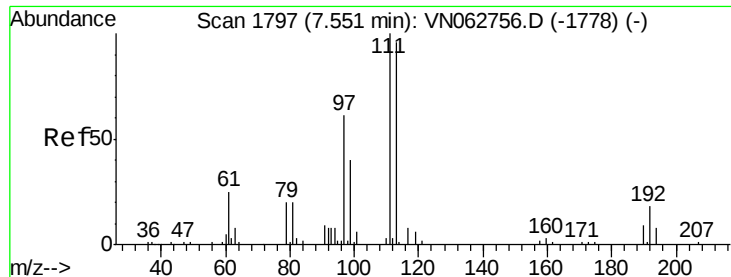
Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.6

88 18.2 0.0 34.4

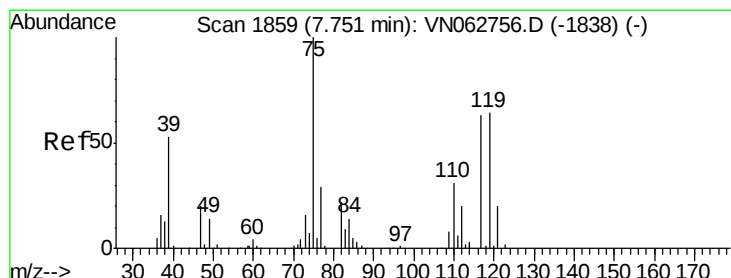
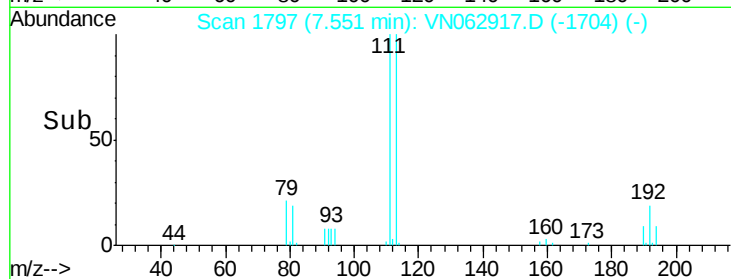
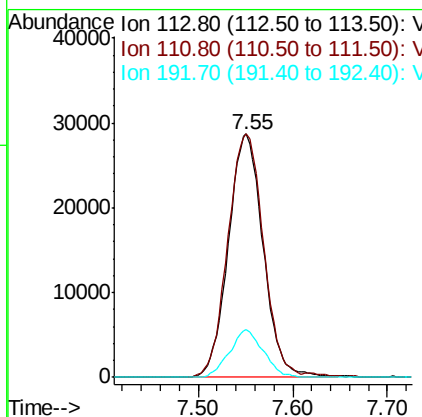
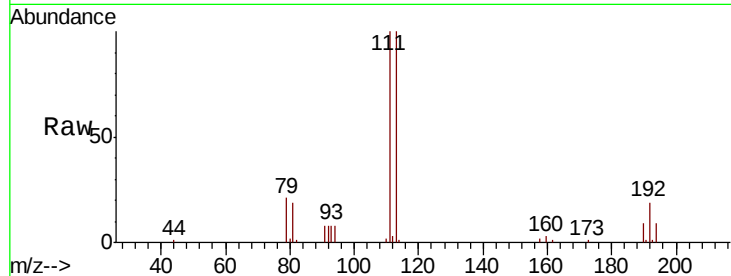




#35
 Dibromofluoromethane
 Concen: 51.699 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062917.D
 Acq: 13 Aug 2020 18:05

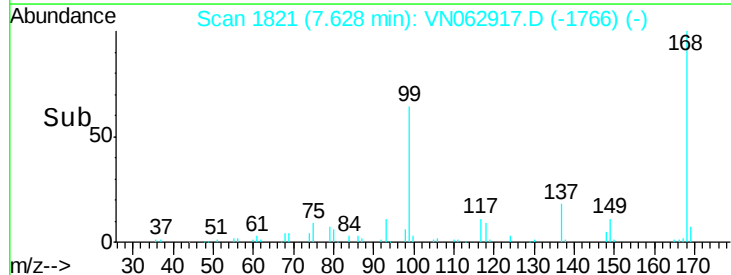
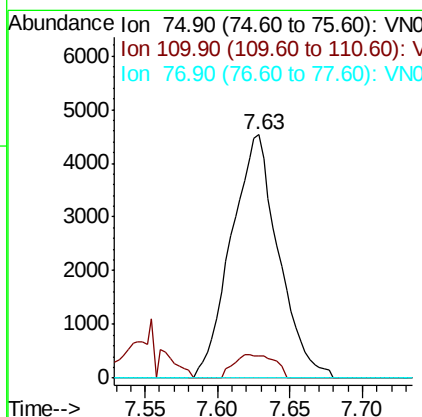
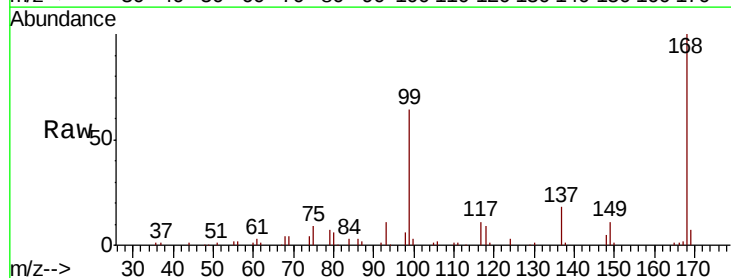
Instrument :
 MSVOA_N
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 PB130937TB

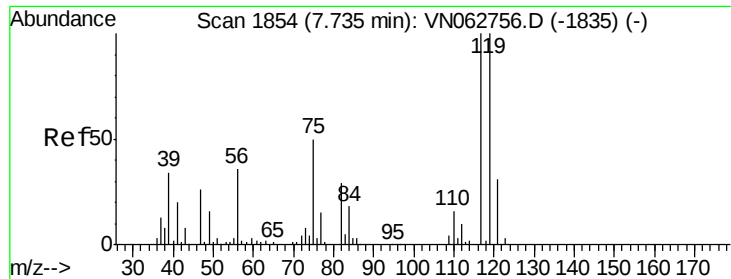
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	18.9	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062917.D
 Acq: 13 Aug 2020 18:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.527 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

PB130937TB

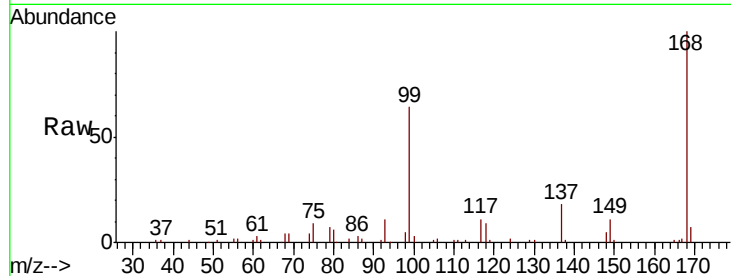
Tot Ion:117 Resp: 13227

Ion Ratio Lower Upper

117 100

119 5.4 79.4 119.2#

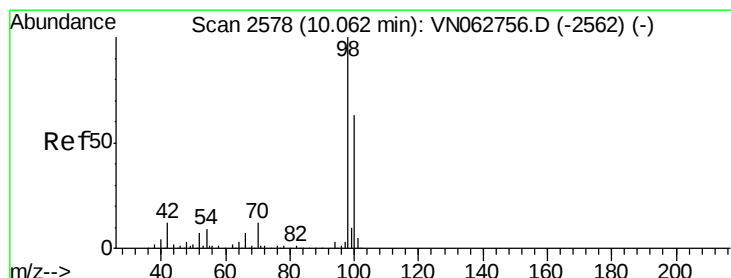
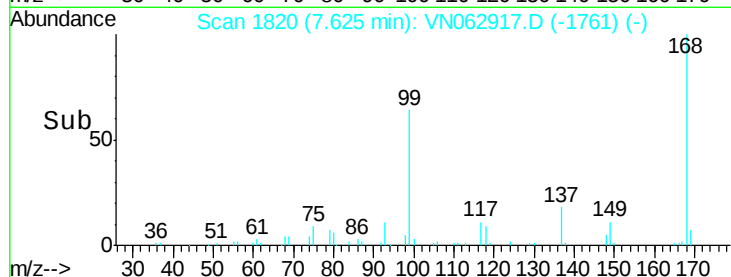
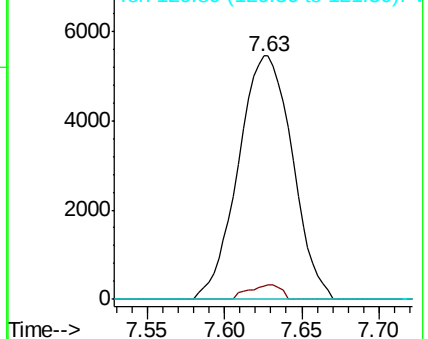
121 0.0 24.9 37.3#



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: 48.620 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062917.D

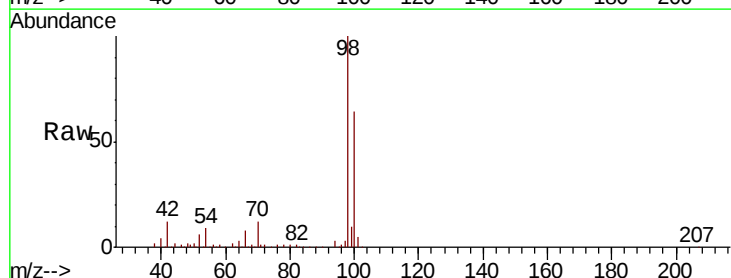
Acq: 13 Aug 2020 18:05

Tgt Ion: 98 Resp: 269854

Ion Ratio Lower Upper

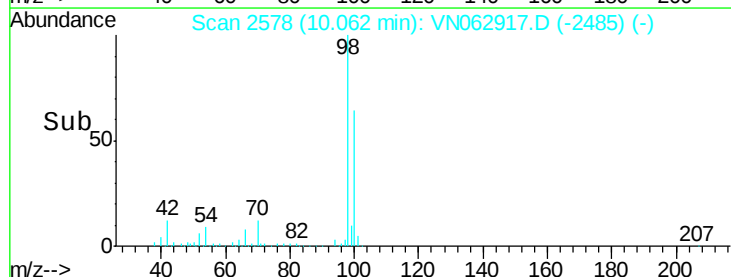
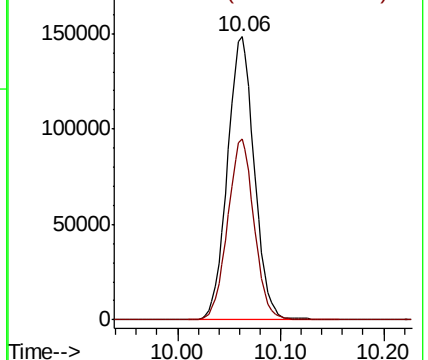
98 100

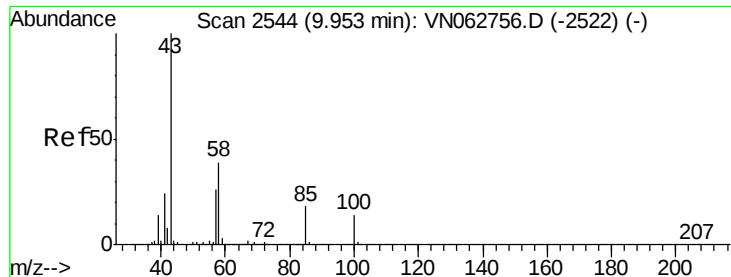
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.738 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

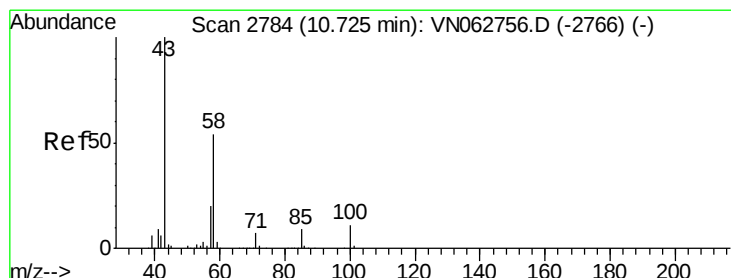
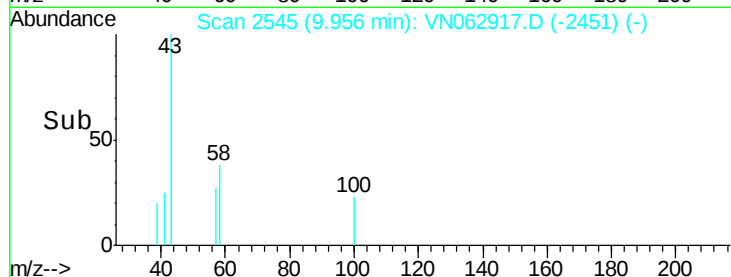
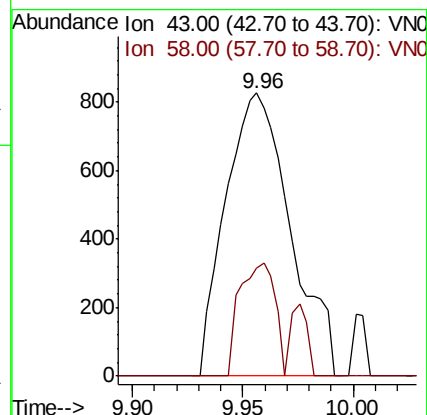
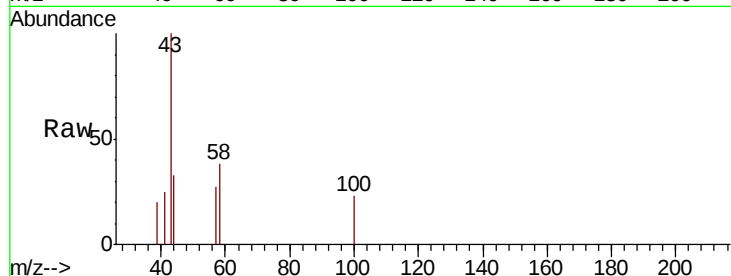
PB130937TB

Tot Ion: 43 Resp: 1684

Ion Ratio Lower Upper

43 100

58 22.0 31.1 46.7#



#59

2-Hexanone

Concen: 0.211 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.01 min

Lab File: VN062917.D

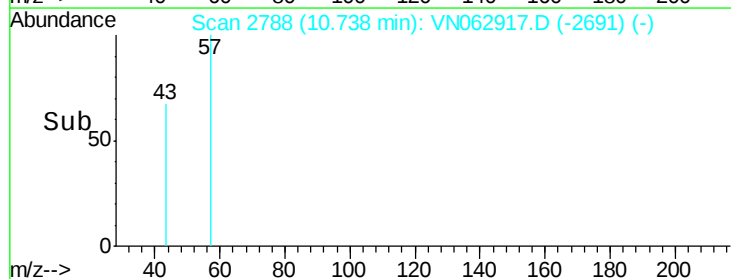
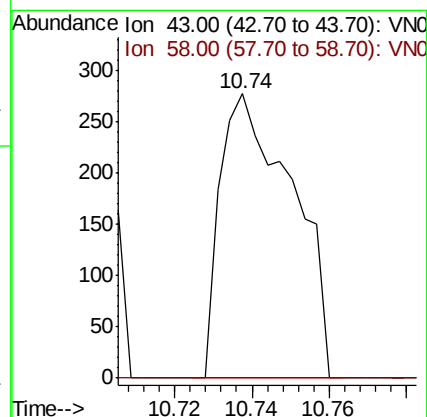
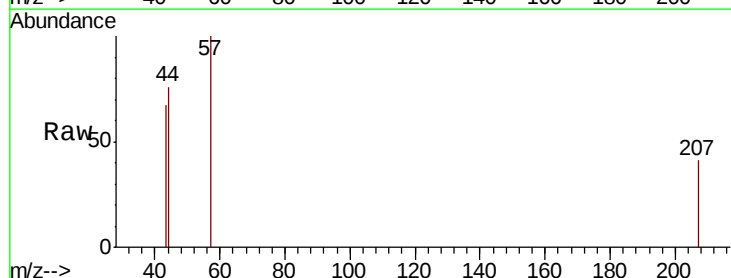
Acq: 13 Aug 2020 18:05

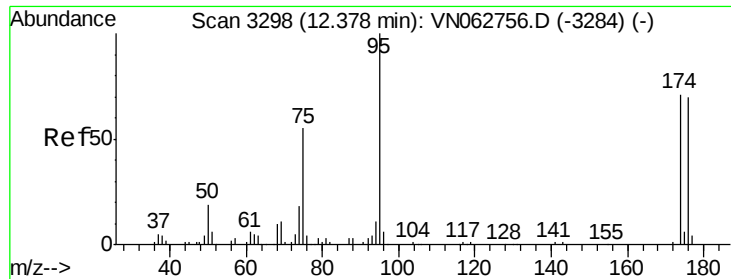
Tgt Ion: 43 Resp: 359

Ion Ratio Lower Upper

43 100

58 0.0 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 48.739 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

PB130937TB

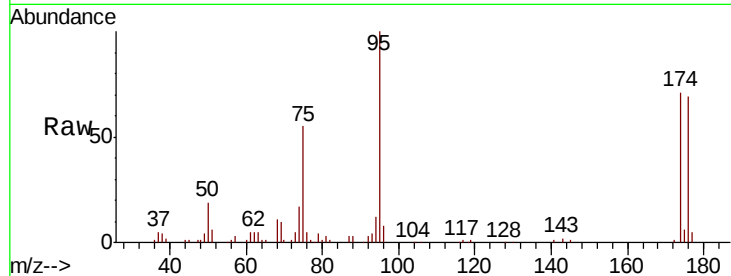
Tot Ion: 95 Resp: 102227

Ion Ratio Lower Upper

95 100

174 73.8 0.0 144.8

176 71.9 0.0 142.2

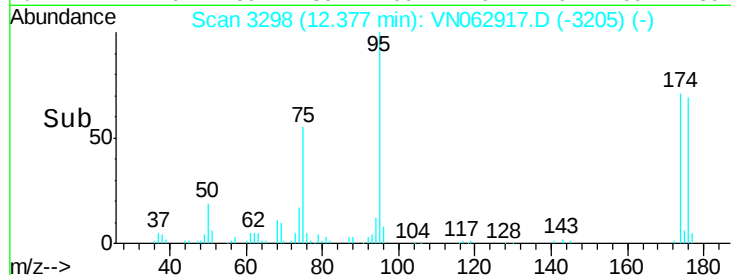


Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)

Time-->

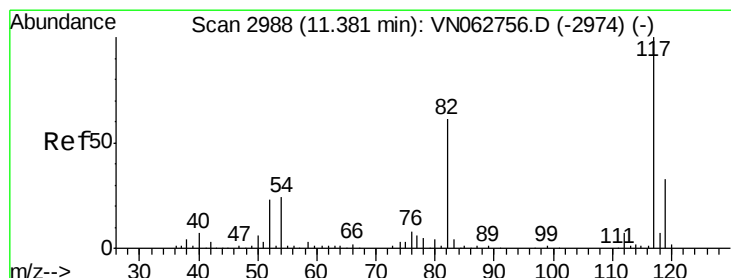


Abundance Ion 94.90 (94.60 to 95.60): VN062917.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062917.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062917.D (-3205) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

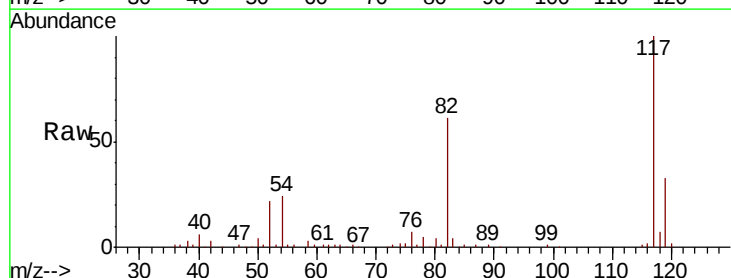
Tgt Ion: 117 Resp: 210025

Ion Ratio Lower Upper

117 100

82 61.1 49.0 73.4

119 32.6 26.2 39.2

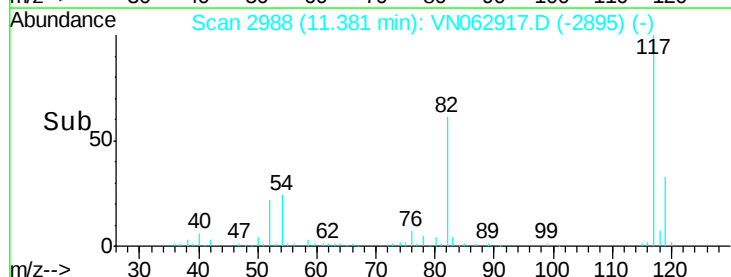


Abundance Ion 116.90 (116.60 to 117.60): VN062756.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062756.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062756.D (-2974) (-)

Time-->

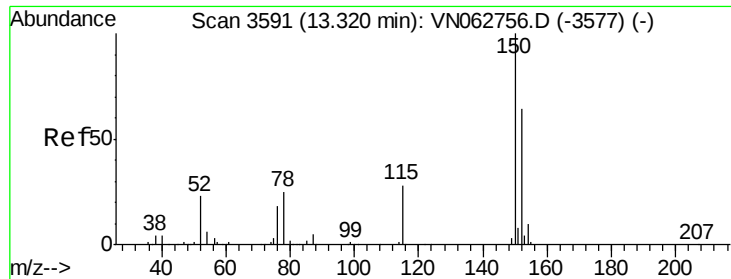


Abundance Ion 116.90 (116.60 to 117.60): VN062917.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062917.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062917.D (-2895) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

PB130937TB

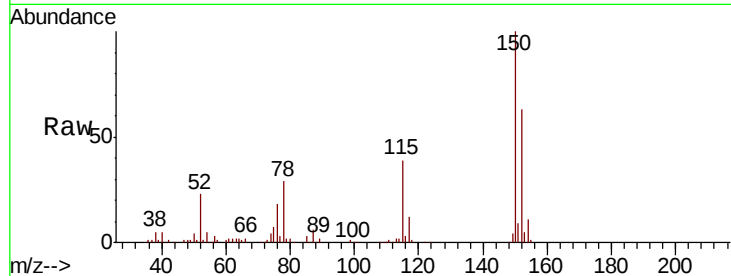
Tot Ion:152 Resp: 85477

Ion Ratio Lower Upper

152 100

115 62.9 31.6 94.8

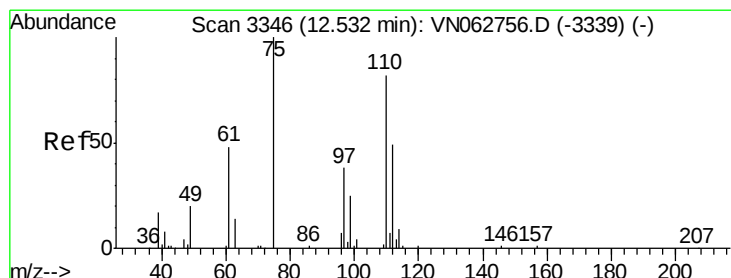
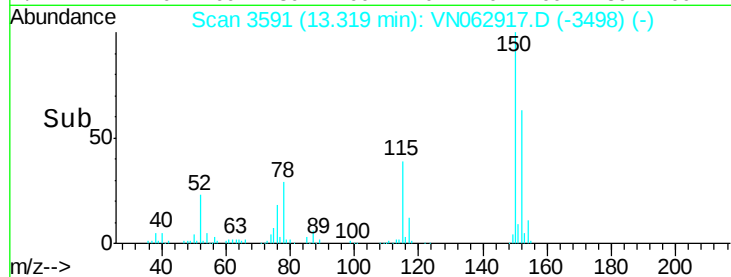
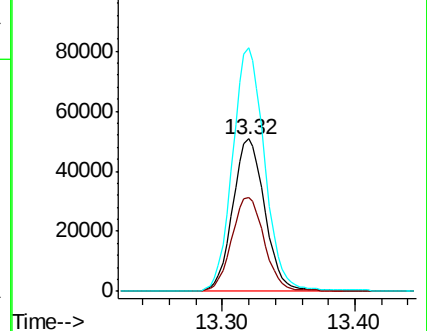
150 159.5 0.0 349.2



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: 24.331 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062917.D

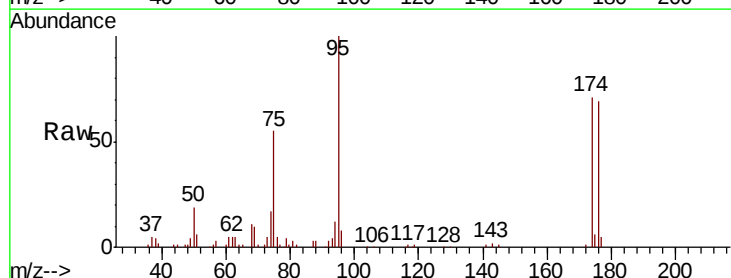
Acq: 13 Aug 2020 18:05

Tgt Ion: 75 Resp: 56088

Ion Ratio Lower Upper

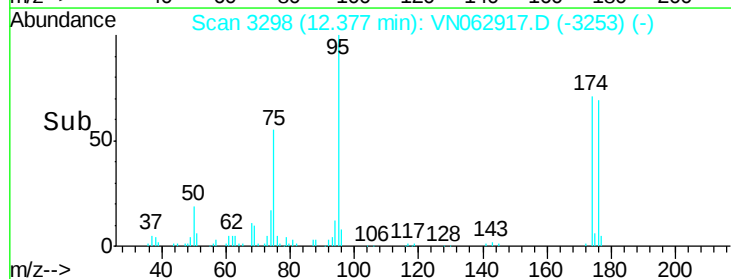
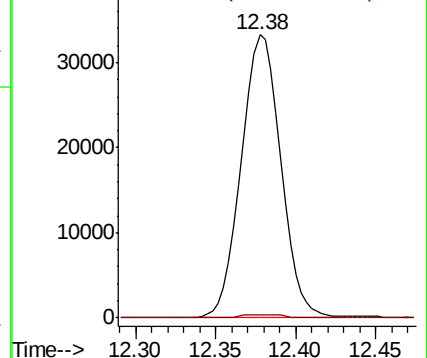
75 100

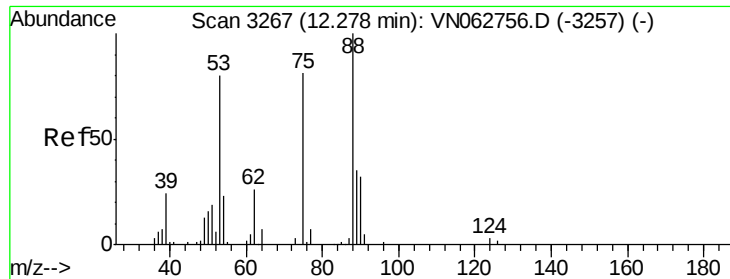
77 0.6 0.0 0.0#



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: 74.275 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

PB130937TB

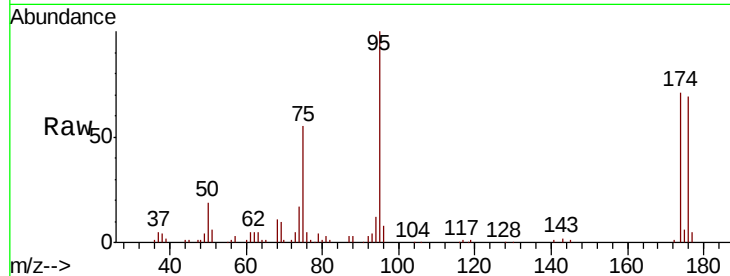
Tot Ion: 75 Resp: 56088

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

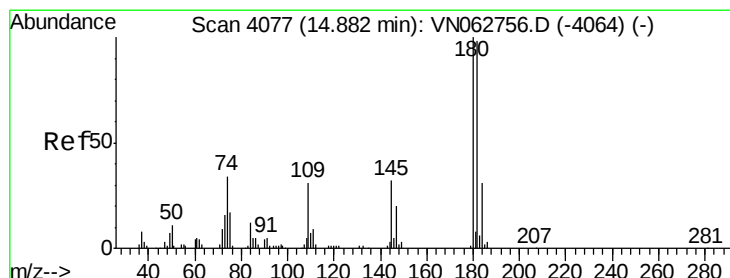
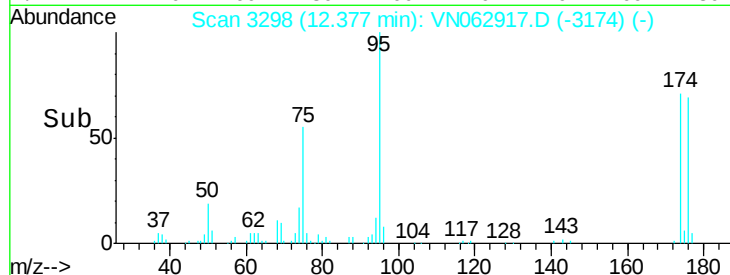
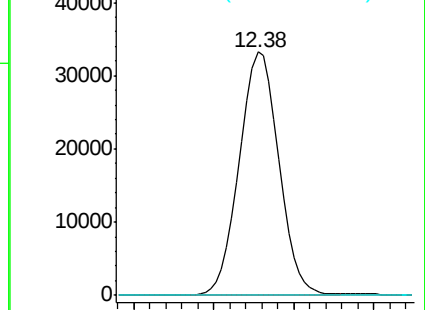
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062917.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN062917.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN062917.D (-3174) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.460 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

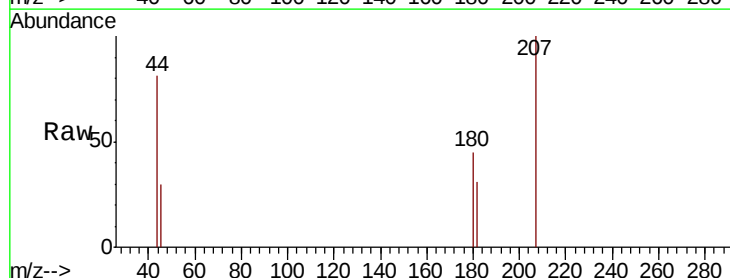
Tgt Ion:180 Resp: 212

Ion Ratio Lower Upper

180 100

182 29.2 49.1 147.4#

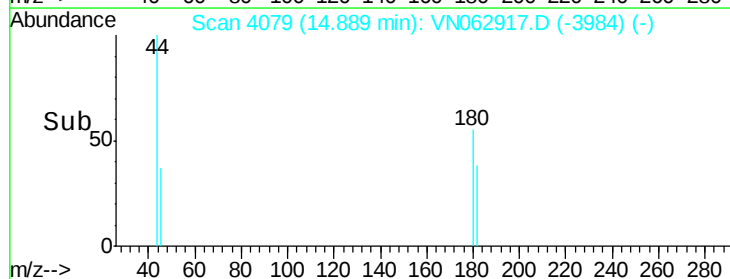
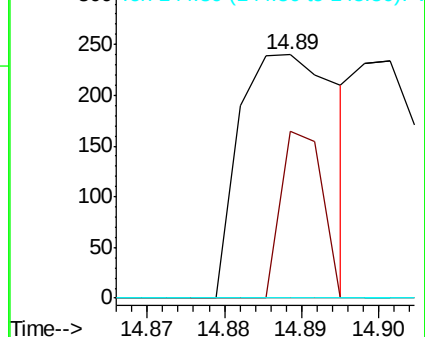
145 0.0 16.3 48.8#

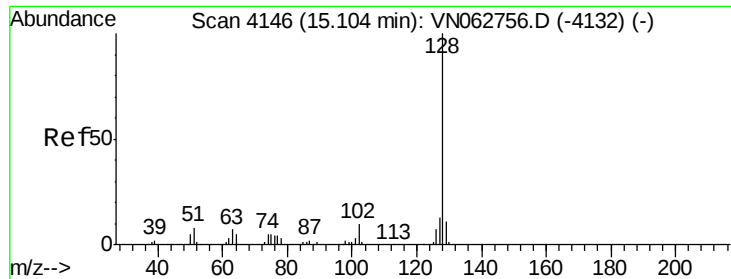


Abundance Ion 179.80 (179.50 to 180.50): VN062917.D (-3984) (-)

Ion 181.80 (181.50 to 182.50): VN062917.D (-3984) (-)

Ion 144.80 (144.50 to 145.50): VN062917.D (-3984) (-)





#95

Naphthalene

Concen: 4.005 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

PB130937TB

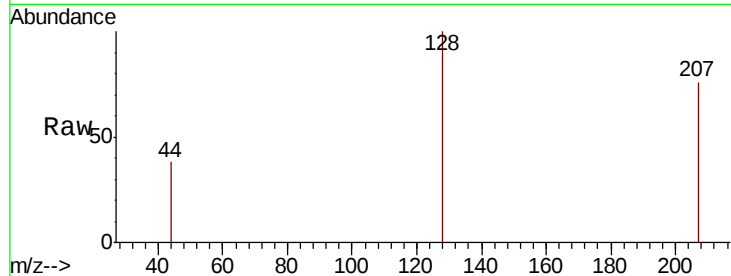
Tot Ion:128 Resp: 1259

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

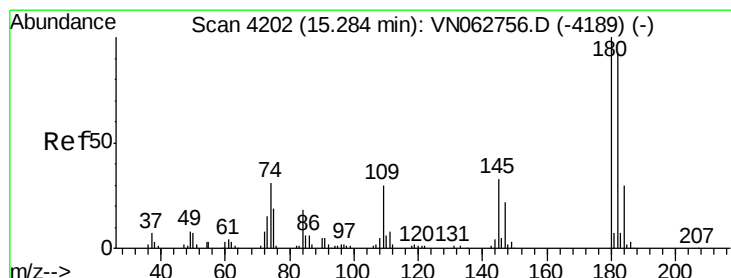
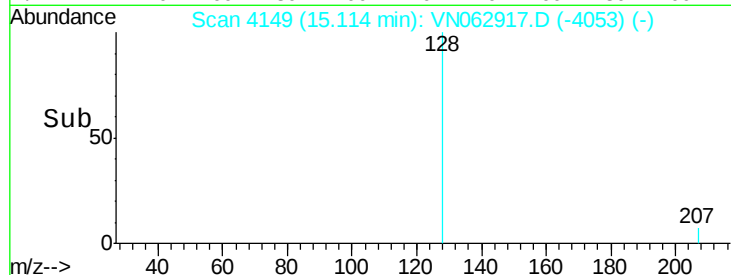
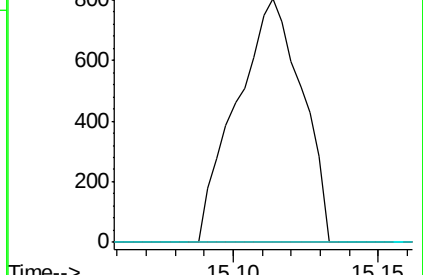
129 0.0 8.8 13.2#



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: 3.039 ug/l

RT: 15.28 min Scan# 4201

Delta R.T. -0.00 min

Lab File: VN062917.D

Acq: 13 Aug 2020 18:05

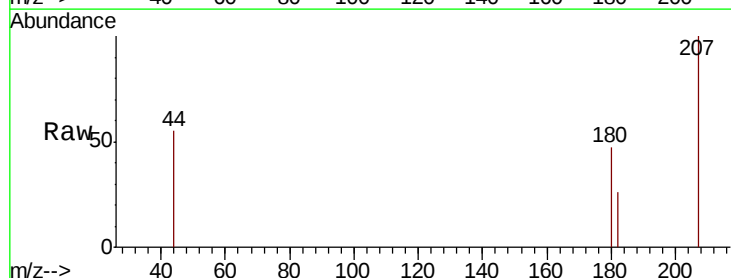
Tgt Ion:180 Resp: 448

Ion Ratio Lower Upper

180 100

182 78.6 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

