

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062879.D
 Acq On : 13 Aug 2020 1:06
 Operator : JC/MD
 Sample : PB130908ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#09

Quant Time: Aug 13 05:28:25 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	144246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	256126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	255606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	94706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	118105	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.55	113	86559	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	10.06	98	329092	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.38	95	118514	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	

Target Compounds

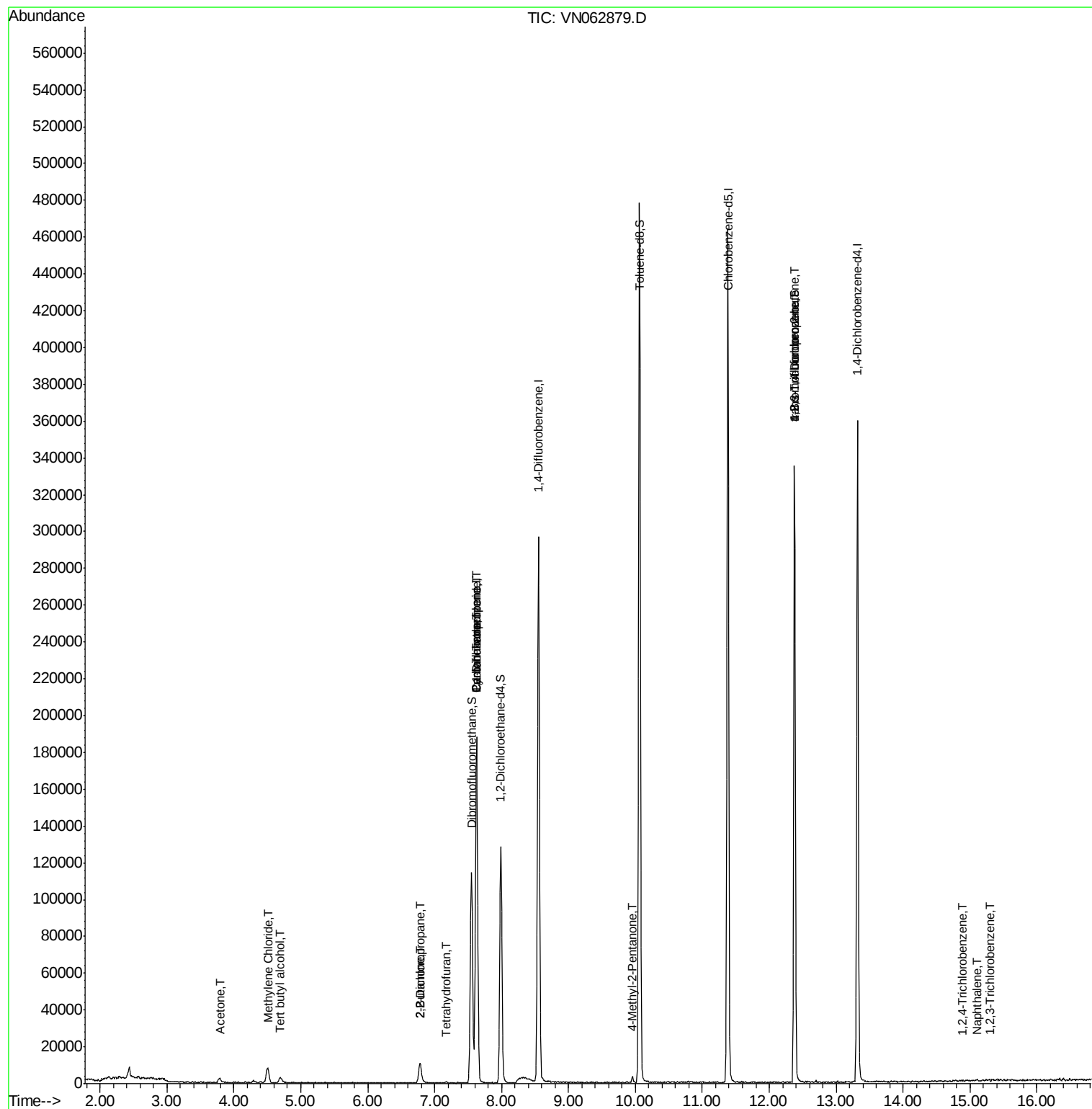
						Qvalue
11) Tert butyl alcohol	4.70	59	1643	4.203	ug/l #	72
16) Acetone	3.79	43	4561	5.292	ug/l	96
17) Carbon Disulfide	4.00	76	280	Below Cal	#	74
18) Methyl Acetate	4.30	43	1135	Below Cal	#	70
20) Methylene Chloride	4.51	84	6344	3.312	ug/l	94
25) 2-Butanone	6.79	43	1350	1.106	ug/l #	49
26) 2,2-Dichloropropane	6.78	77	638	0.220	ug/l #	55
29) Tetrahydrofuran	7.17	42	522	0.658	ug/l #	33
31) Cyclohexane	7.63	56	3257	1.126	ug/l #	10
36) 1,1-Dichloropropene	7.62	75	12322	4.941	ug/l #	53
38) Carbon Tetrachloride	7.63	117	15708	5.326	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	3102	1.103	ug/l #	67
76) 1,2,3-Trichloropropane	12.38	75	63690	24.936	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	63690	76.123	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	97	3.379	ug/l #	59
95) Naphthalene	15.11	128	990	3.919	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.29	180	249	2.890	ug/l #	74

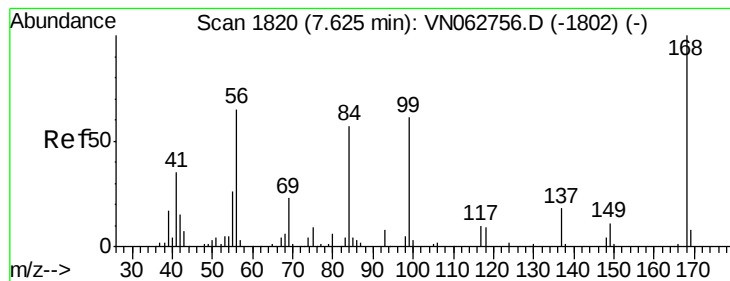
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062879.D

Acq: 13 Aug 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

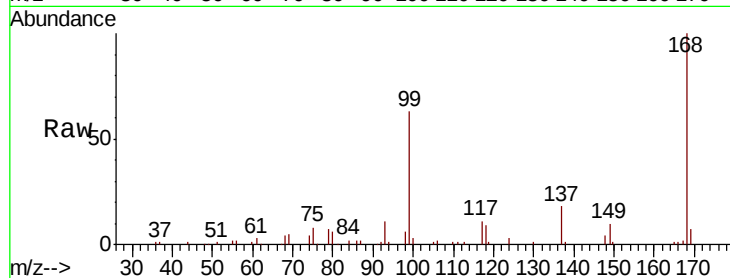
PB130908ZHE#09

Tot Ion:168 Resp: 144246

Ion Ratio Lower Upper

168 100

99 62.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062879.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062879.D (-1727) (-)

60000

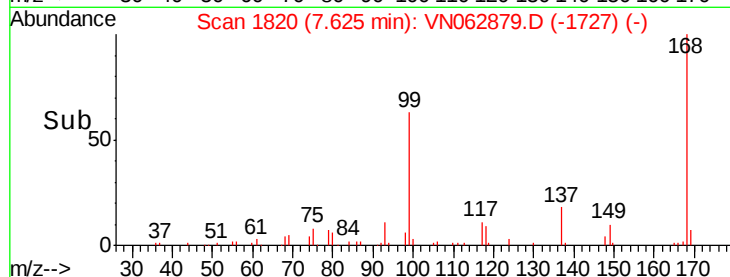
40000

20000

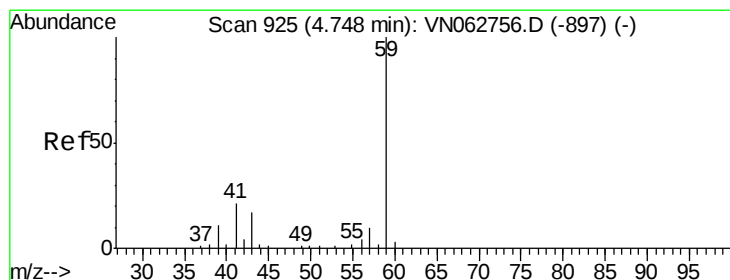
0

7.50 7.60 7.70

7.63



Time-->



#11

Tert butyl alcohol

Concen: 4.203 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.05 min

Lab File: VN062879.D

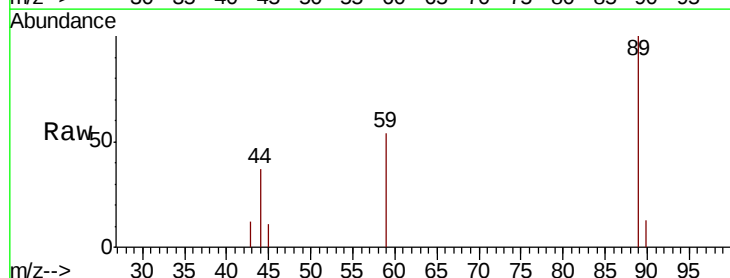
Acq: 13 Aug 2020 1:06

Tgt Ion: 59 Resp: 1643

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN062879.D (-832) (-)

Ion 57.00 (56.70 to 57.70): VN062879.D (-832) (-)

800

600

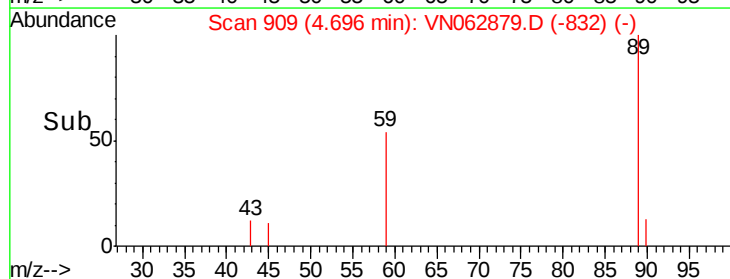
400

200

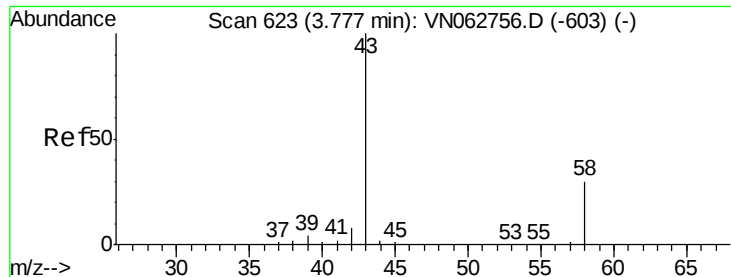
0

4.65 4.70

4.70



Time-->



#16

Acetone

Concen: 5.292 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN062879.D

Acq: 13 Aug 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

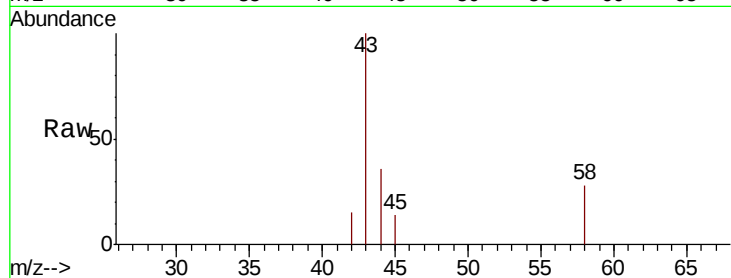
PB130908ZHE#09

Tot Ion: 43 Resp: 4561

Ion Ratio Lower Upper

43 100

58 27.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062879.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062879.D (-530) (-)

3.79

1500

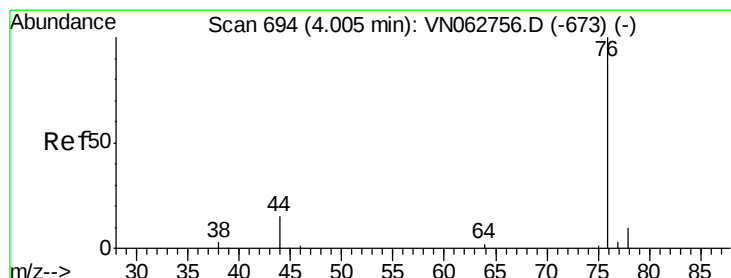
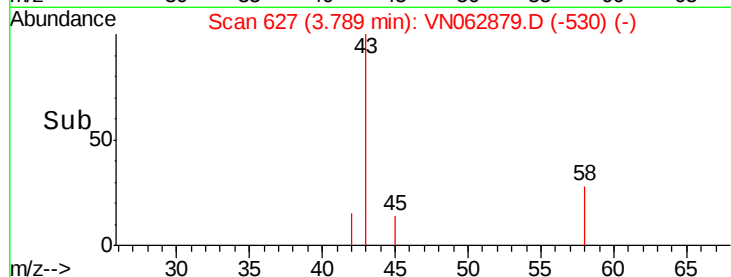
1000

500

0

Time-->

3.70 3.75 3.80 3.85



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062879.D

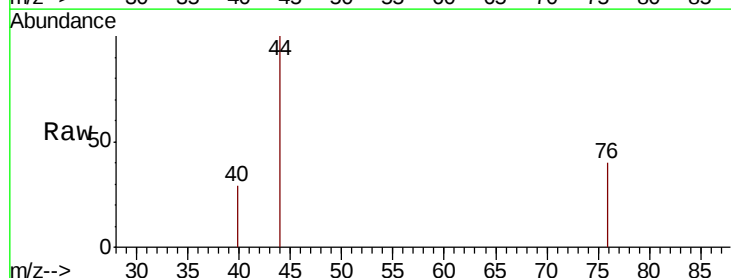
Acq: 13 Aug 2020 1:06

Tgt Ion: 76 Resp: 280

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062879.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062879.D (-600) (-)

4.00

250

200

150

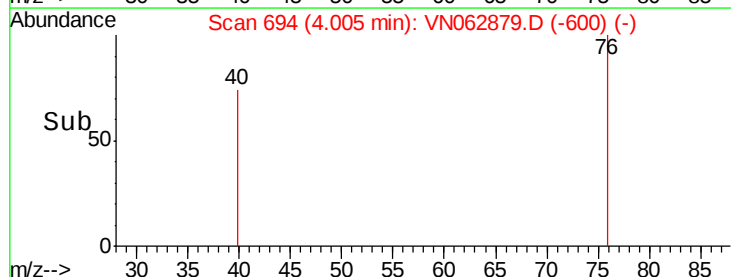
100

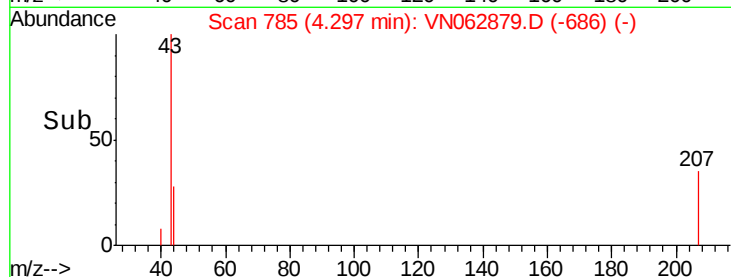
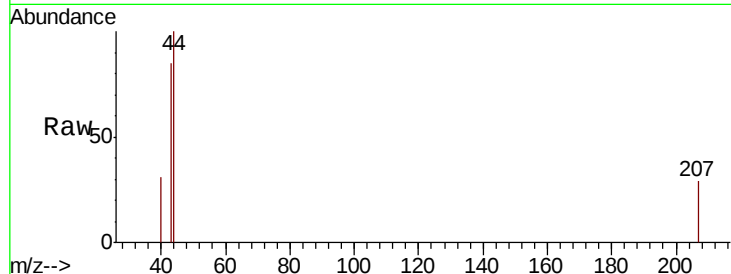
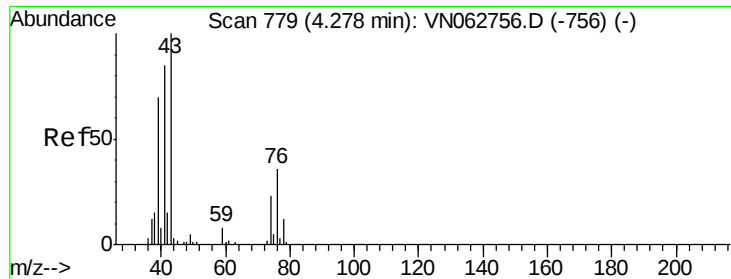
50

0

Time-->

3.98 4.00 4.02

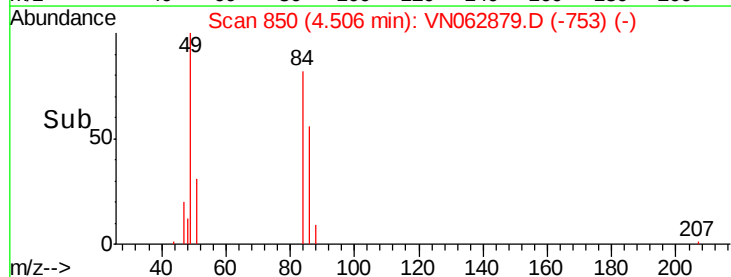
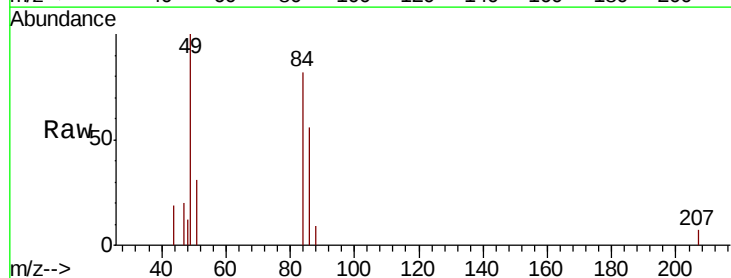
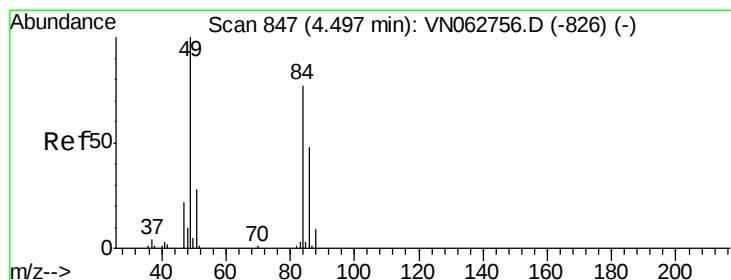
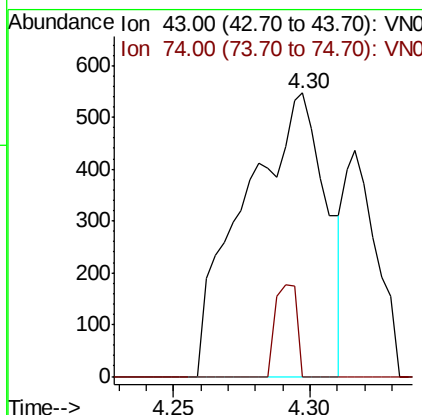




#18
Methyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 785
Delta R.T. 0.02 min
Lab File: VN062879.D
Acq: 13 Aug 2020 1:06

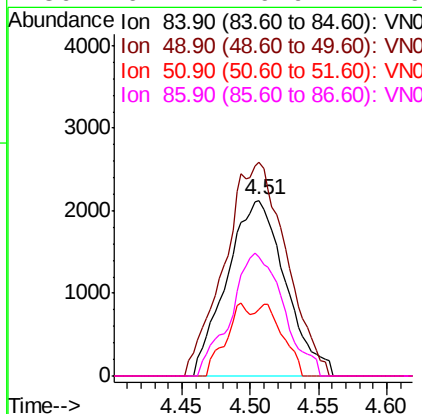
Tot Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
74 8.6 18.6 28.0#

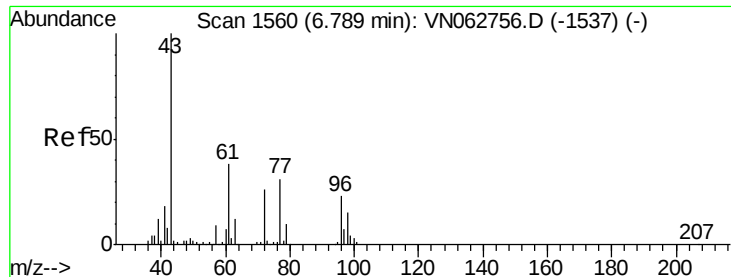
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#09



#20
Methylene Chloride
Concen: 3.312 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062879.D
Acq: 13 Aug 2020 1:06

Tgt Ion: 84 Resp: 6344
Ion Ratio Lower Upper
84 100
49 121.6 103.4 155.2
51 38.1 29.3 43.9
86 67.7 49.9 74.9

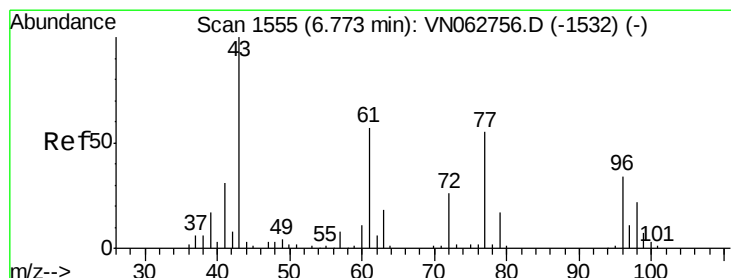
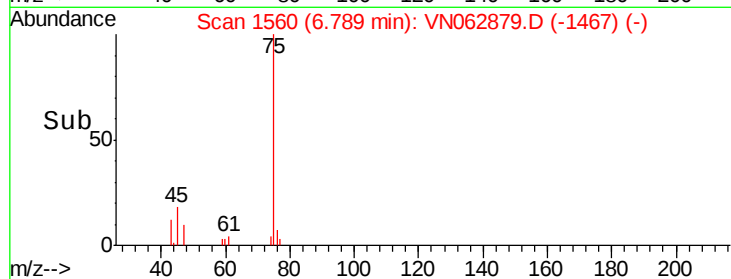
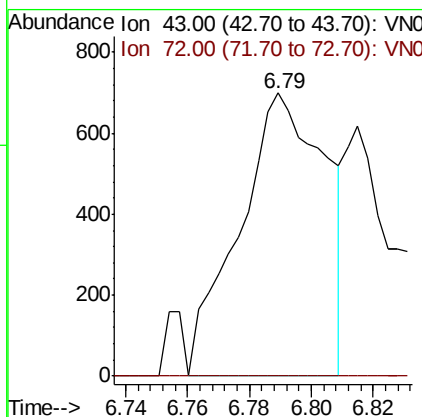
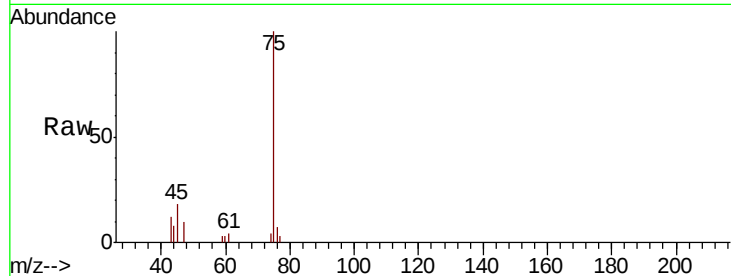




#25
 2-Butanone
 Concen: 1.106 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VN062879.D
 Acq: 13 Aug 2020 1:06

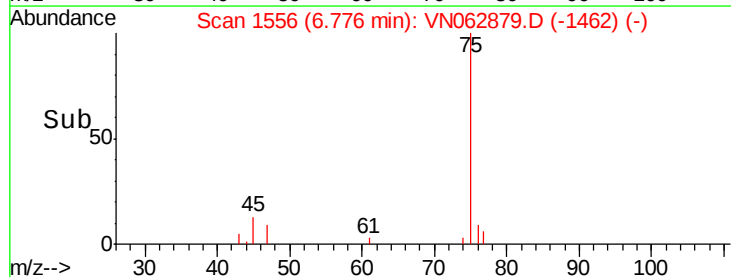
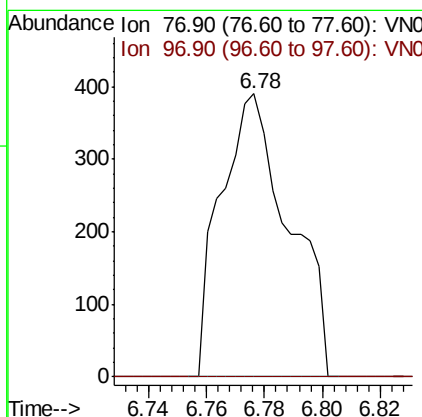
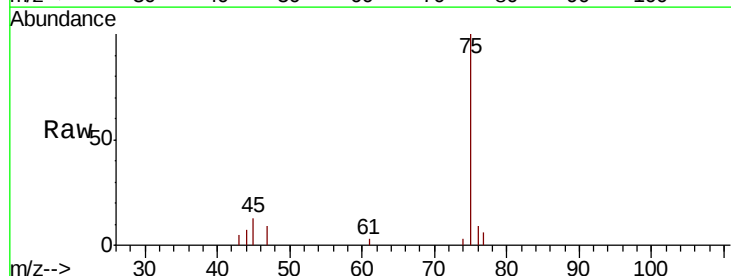
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#09

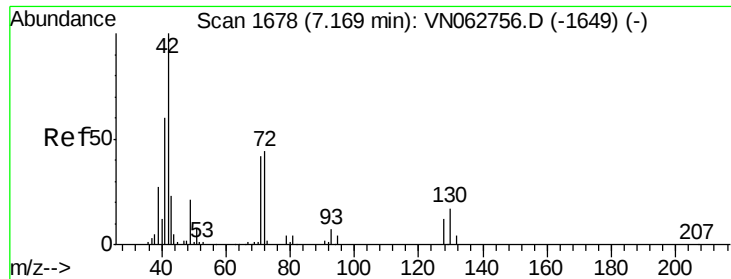
Tot Ion: 43 Resp: 1350
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.1 31.7#



#26
 2,2-Dichloropropane
 Concen: 0.220 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN062879.D
 Acq: 13 Aug 2020 1:06

Tgt Ion: 77 Resp: 638
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.6#

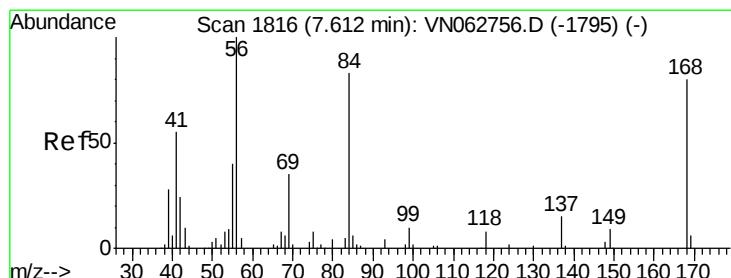
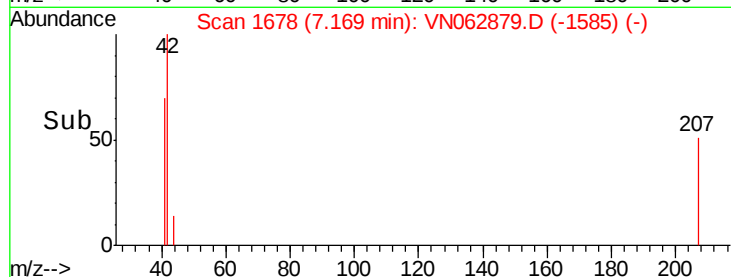
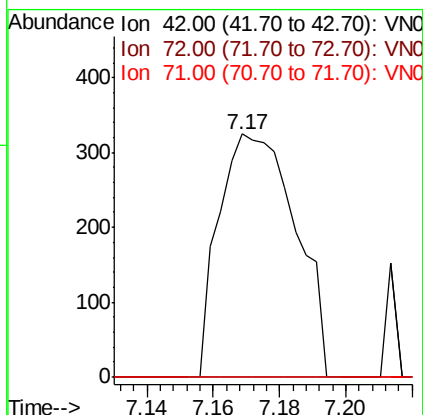
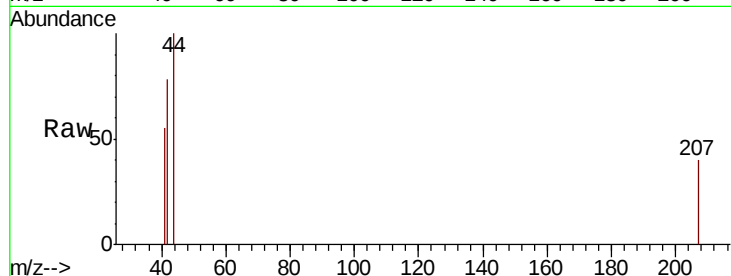




#29
Tetrahydrofuran
Concen: 0.658 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062879.D
Acq: 13 Aug 2020 1:06

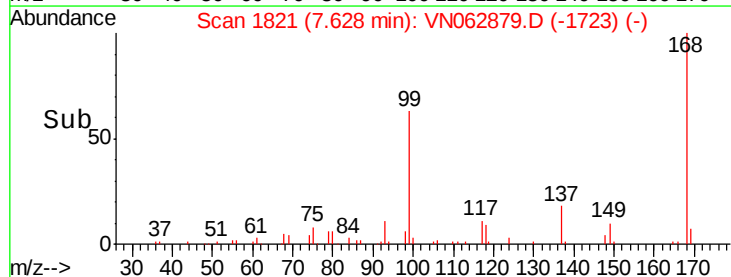
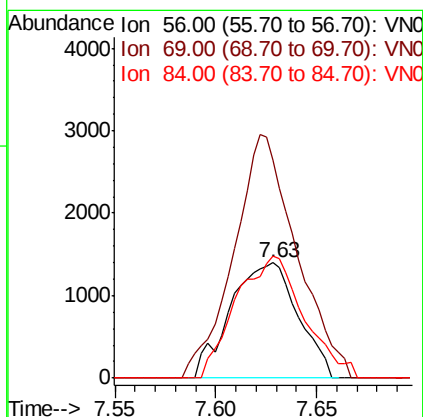
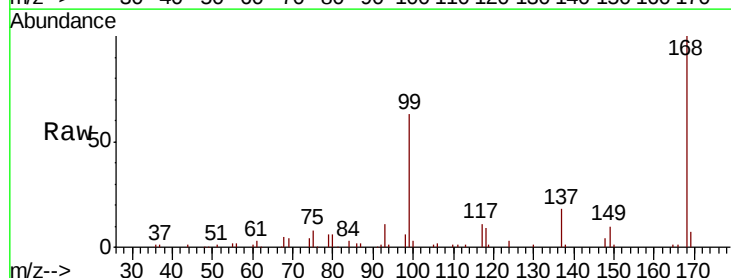
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#09

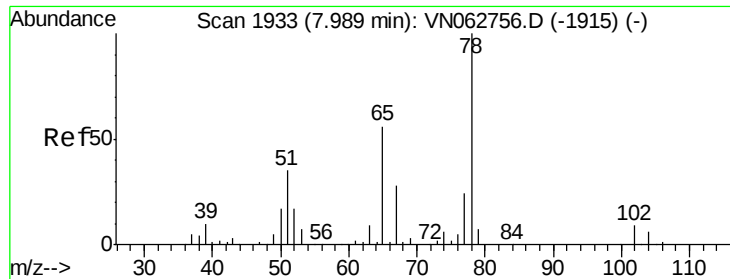
Tot Ion: 42 Resp: 522
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 33.2 49.8#



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062879.D
Acq: 13 Aug 2020 1:06

Tgt Ion: 56 Resp: 3257
Ion Ratio Lower Upper
56 100
69 176.6 28.1 42.1#
84 106.4 66.8 100.2#





#33

1,2-Dichloroethane-d4

Concen: 49.512 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062879.D

Acq: 13 Aug 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

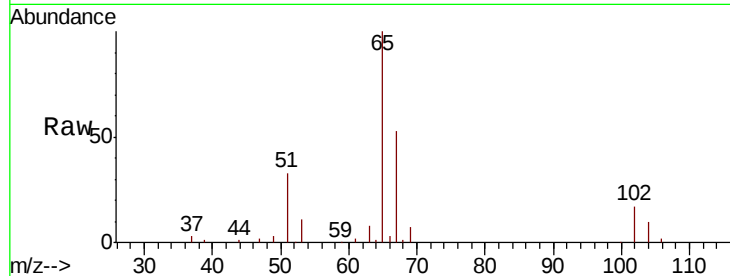
PB130908ZHE#09

Tot Ion: 65 Resp: 118105

Ion Ratio Lower Upper

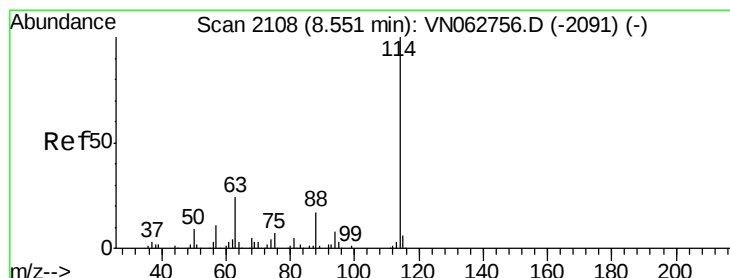
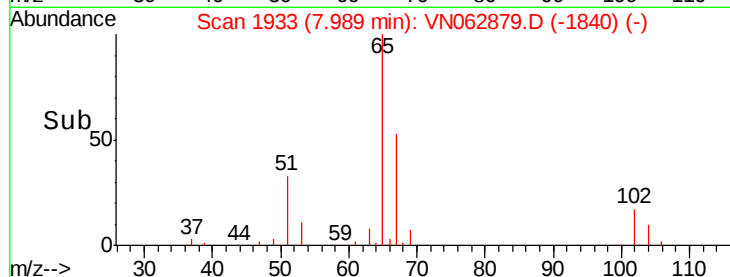
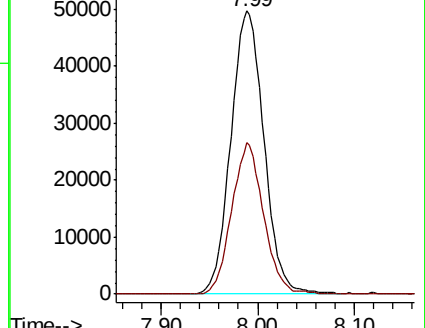
65 100

67 51.5 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062879.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062879.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062879.D

Acq: 13 Aug 2020 1:06

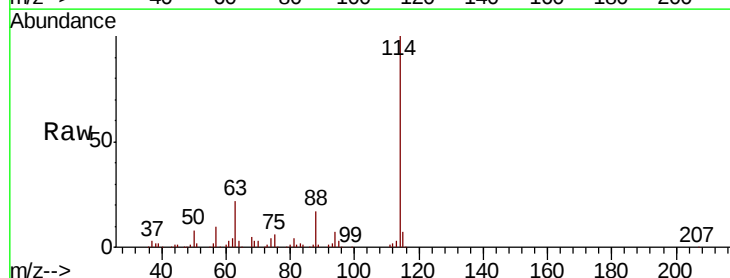
Tgt Ion: 114 Resp: 256126

Ion Ratio Lower Upper

114 100

63 21.9 0.0 47.6

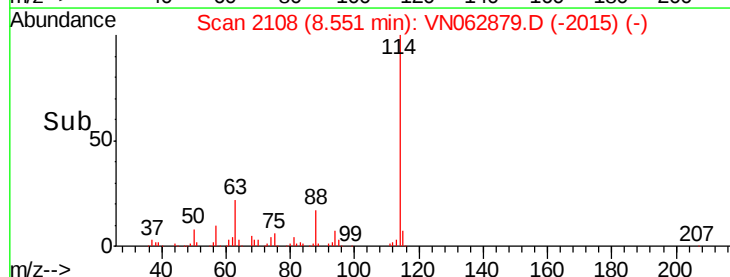
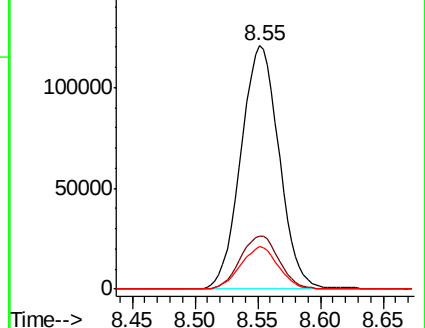
88 17.4 0.0 34.4

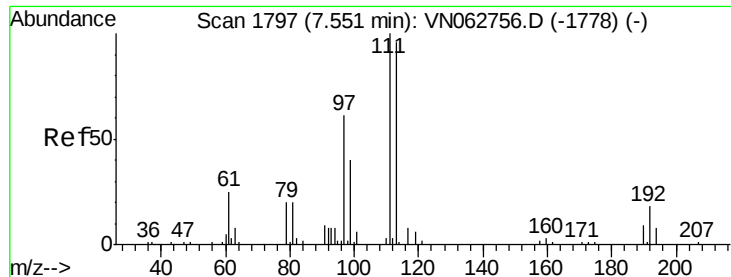


Abundance Ion 113.90 (113.60 to 114.60): VN062879.D (-2155) (-)

Ion 63.00 (62.70 to 63.70): VN062879.D (-2155) (-)

Ion 87.90 (87.60 to 88.60): VN062879.D (-2155) (-)

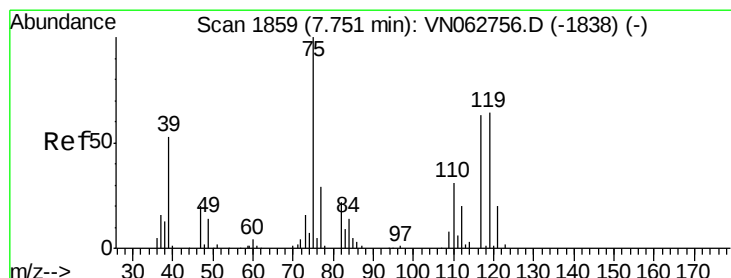
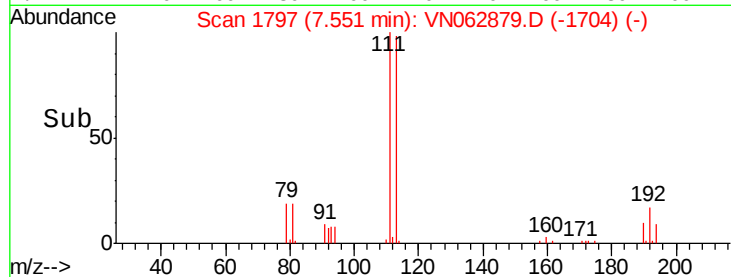
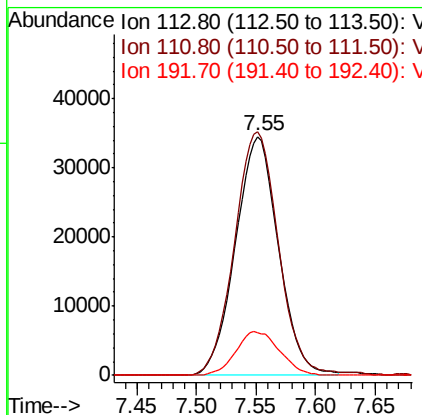
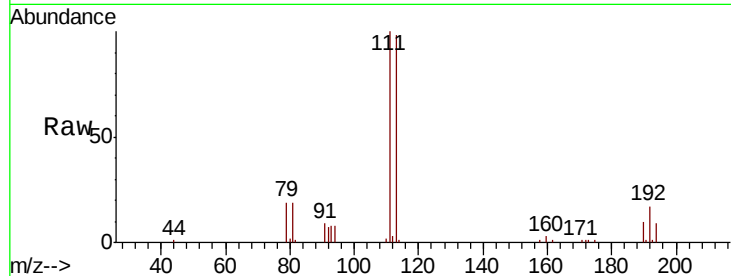




#35
 Dibromofluoromethane
 Concen: 49.405 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062879.D
 Acq: 13 Aug 2020 1:06

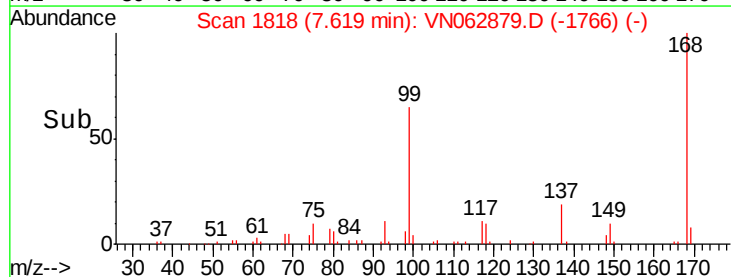
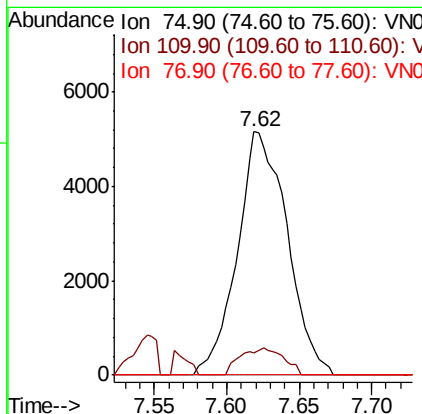
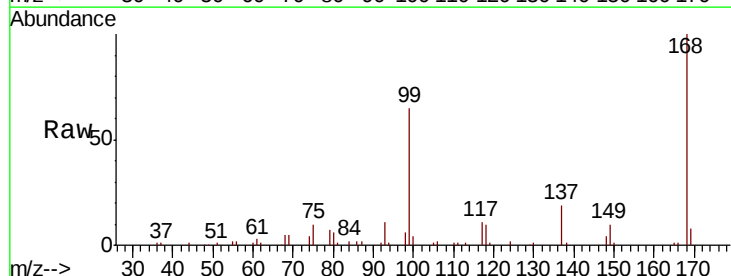
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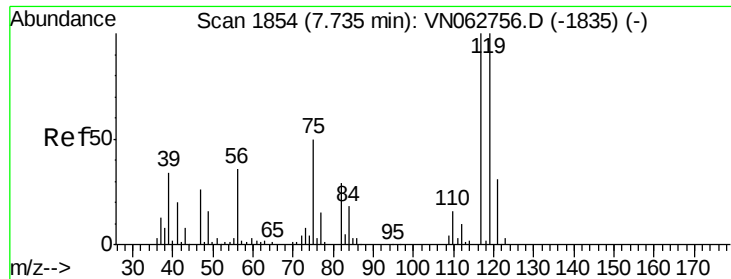
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.8	122.6
192	18.6	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.13 min
 Lab File: VN062879.D
 Acq: 13 Aug 2020 1:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	15.6	46.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.326 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062879.D

Acq: 13 Aug 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#09

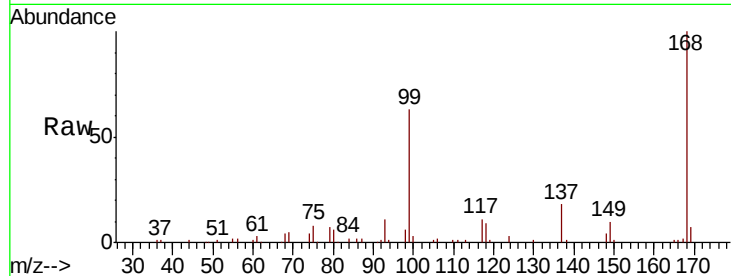
Tot Ion:117 Resp: 15708

Ion Ratio Lower Upper

117 100

119 5.5 79.4 119.2#

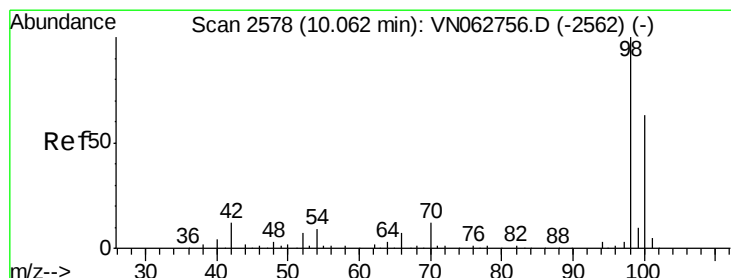
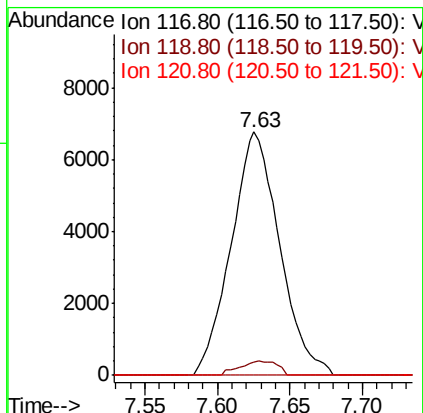
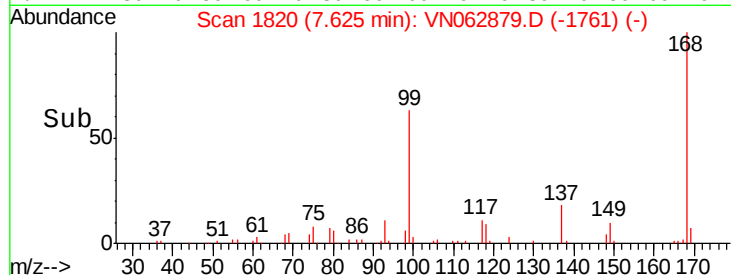
121 0.0 24.9 37.3#



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: 48.112 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062879.D

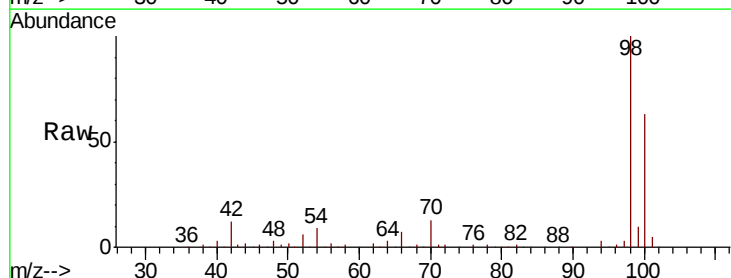
Acq: 13 Aug 2020 1:06

Tgt Ion: 98 Resp: 329092

Ion Ratio Lower Upper

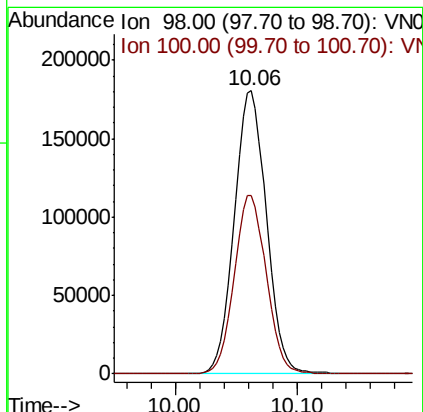
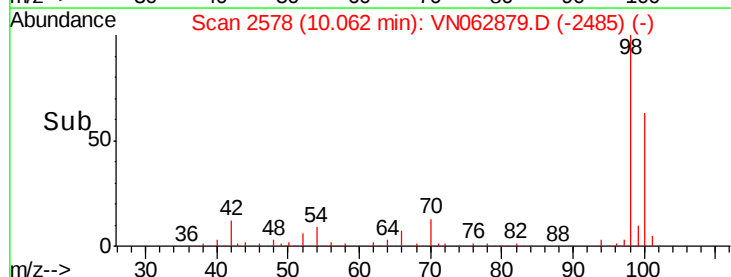
98 100

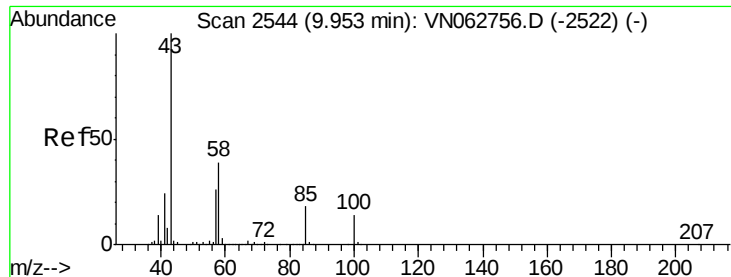
100 63.1 50.9 76.3



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: 1.103 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062879.D

Acq: 13 Aug 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

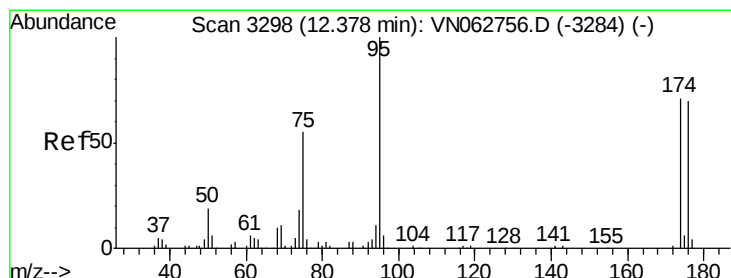
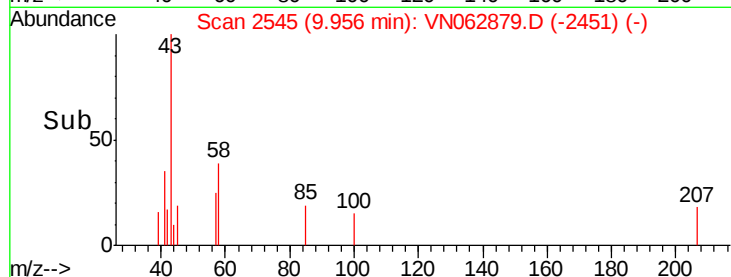
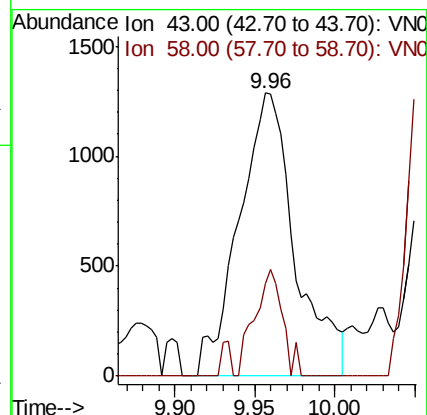
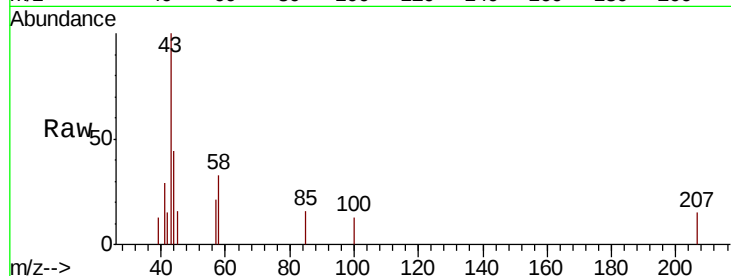
PB130908ZHE#09

Tot Ion: 43 Resp: 3102

Ion Ratio Lower Upper

43 100

58 18.6 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 45.849 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062879.D

Acq: 13 Aug 2020 1:06

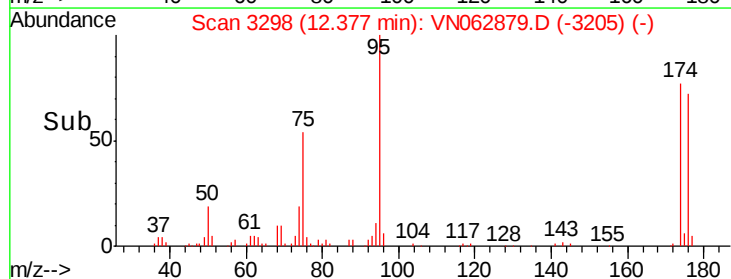
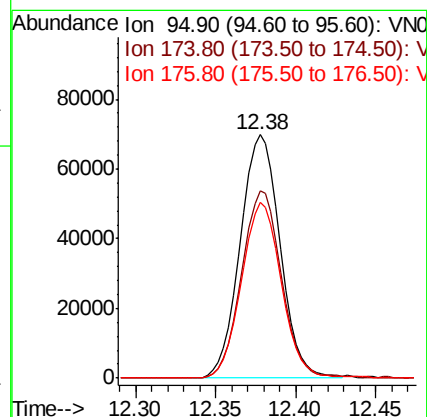
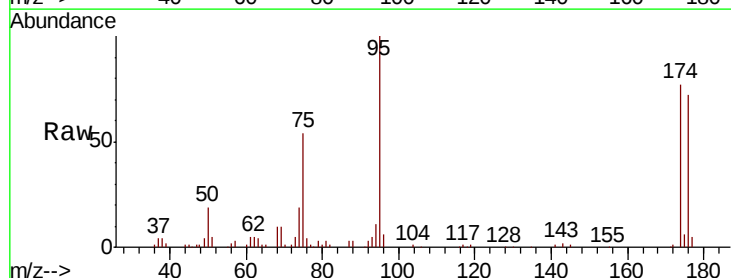
Tgt Ion: 95 Resp: 118514

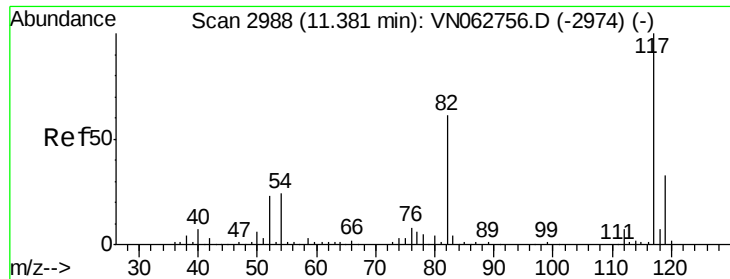
Ion Ratio Lower Upper

95 100

174 77.3 0.0 144.8

176 72.4 0.0 142.2

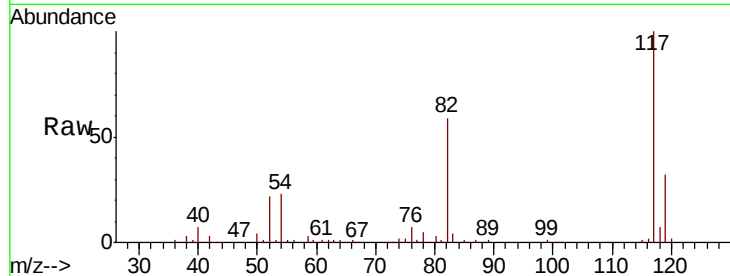




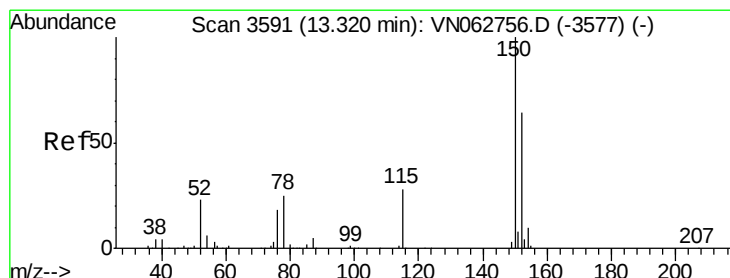
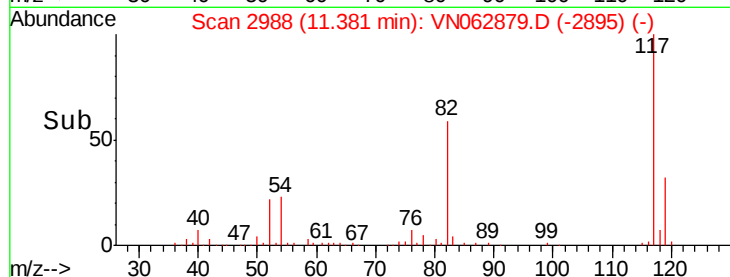
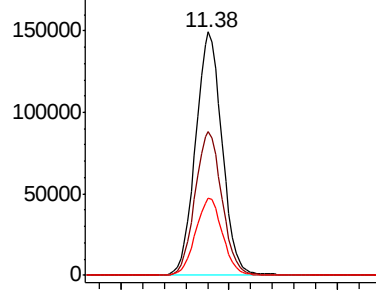
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062879.D
Acq: 13 Aug 2020 1:06

Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#09

Tot Ion:117 Resp: 255606
Ion Ratio Lower Upper
117 100
82 59.2 49.0 73.4
119 31.7 26.2 39.2

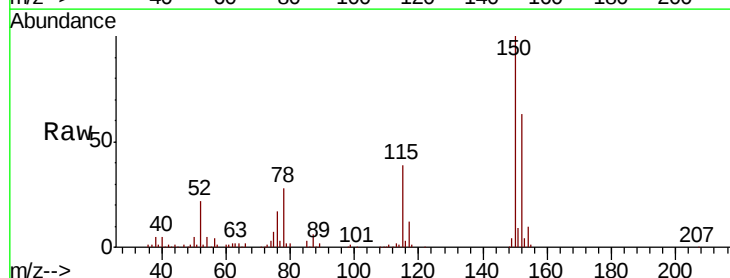


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

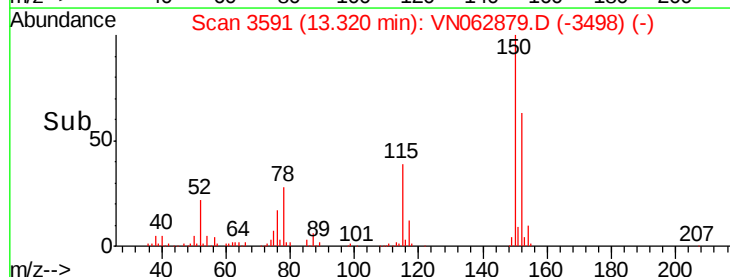
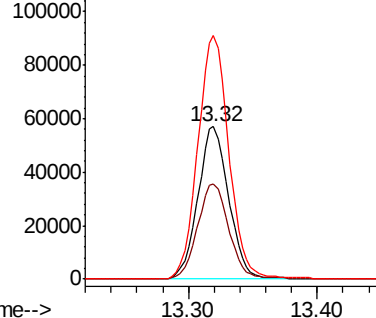


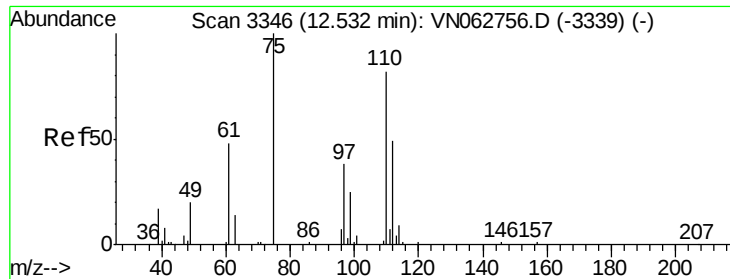
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062879.D
Acq: 13 Aug 2020 1:06

Tgt Ion:152 Resp: 94706
Ion Ratio Lower Upper
152 100
115 63.6 31.6 94.8
150 160.4 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: 24.936 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062879.D

Acq: 13 Aug 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

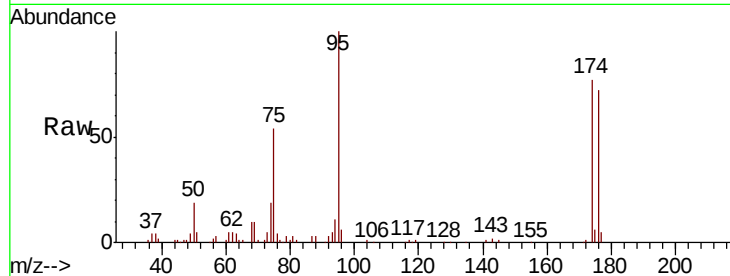
PB130908ZHE#09

Tot Ion: 75 Resp: 63690

Ion Ratio Lower Upper

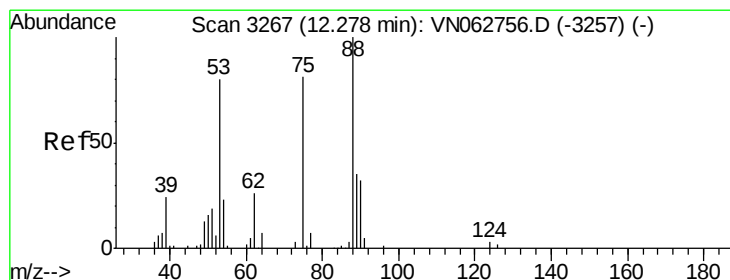
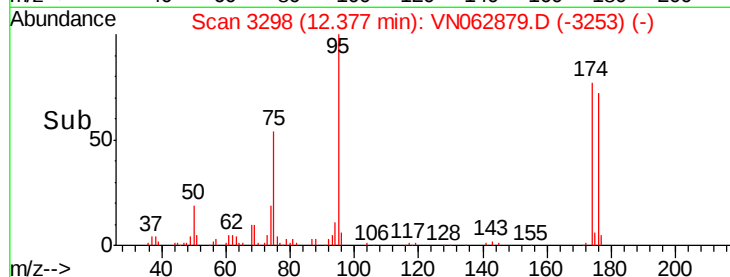
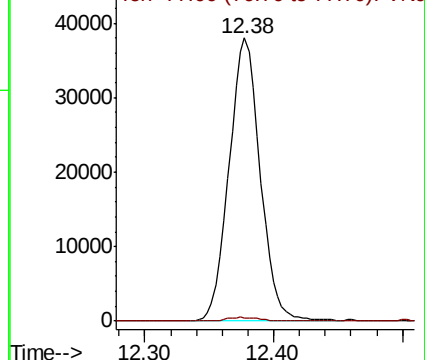
75 100

77 1.3 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: 76.123 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062879.D

Acq: 13 Aug 2020 1:06

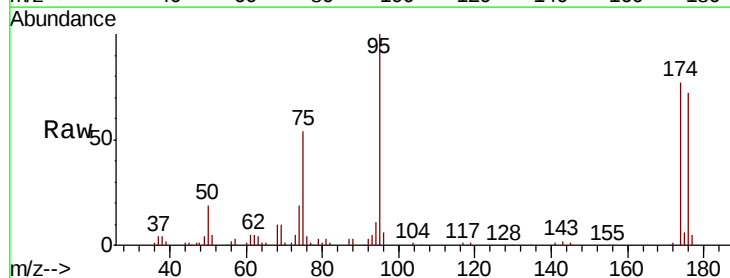
Tgt Ion: 75 Resp: 63690

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

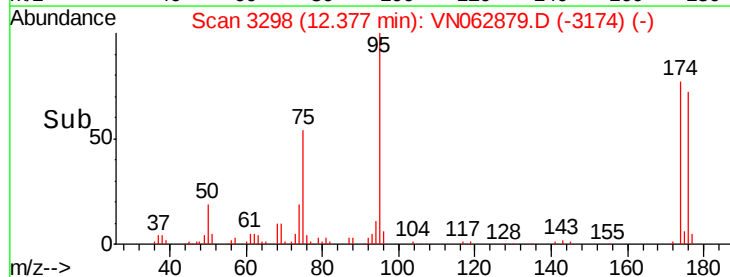
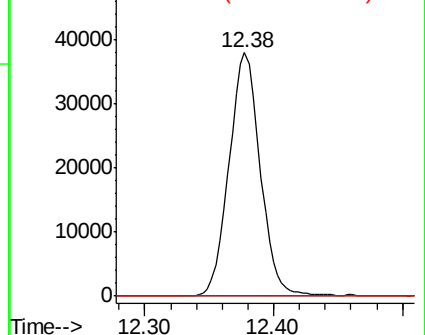
89 0.0 36.2 54.2#

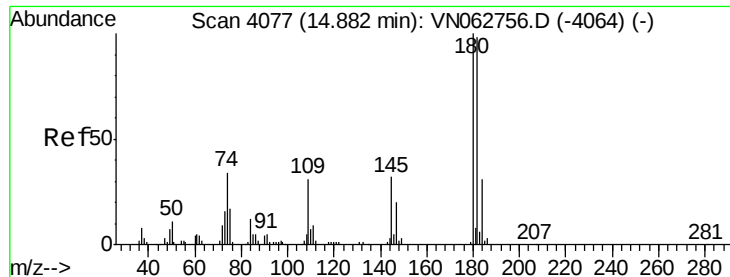


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

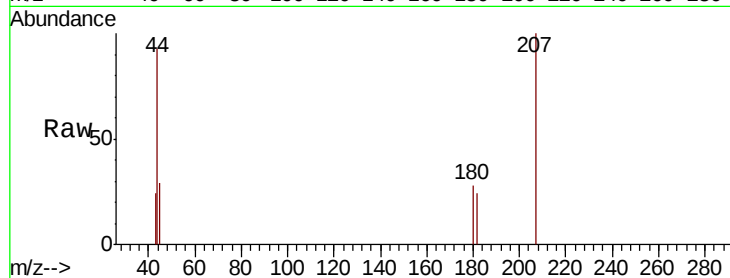




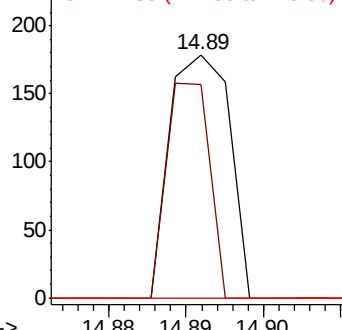
#93
 1,2,4-Trichlorobenzene
 Concen: 3.379 ug/l
 RT: 14.89 min Scan# 4080
 Delta R.T. 0.01 min
 Lab File: VN062879.D
 Acq: 13 Aug 2020 1:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#09

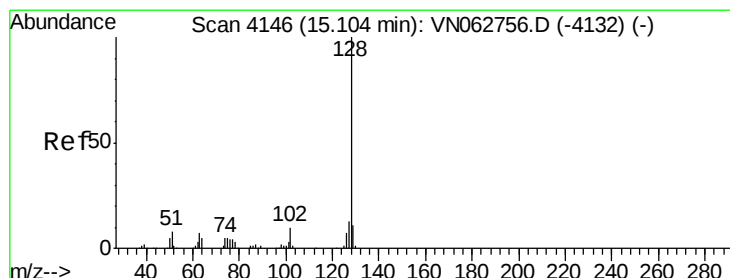
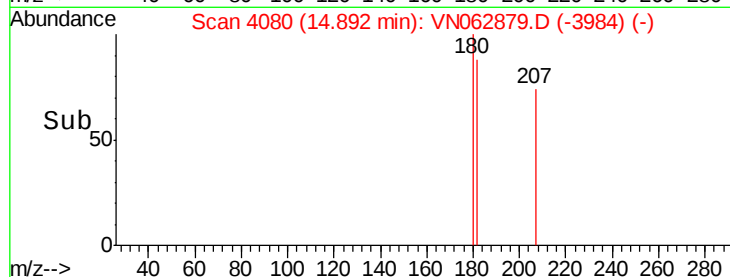
Tot Ion	Ratio	Lower	Upper
180	100		
182	62.9	49.1	147.4
145	0.0	16.3	48.8#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

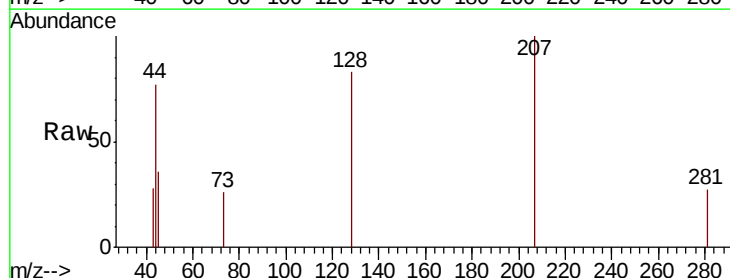


Time-->

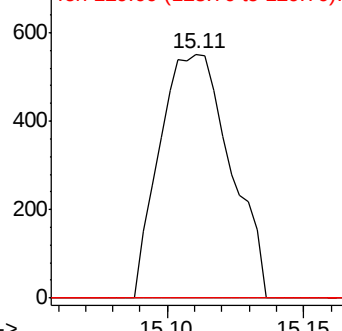


#95
 Naphthalene
 Concen: 3.919 ug/l
 RT: 15.11 min Scan# 4148
 Delta R.T. 0.01 min
 Lab File: VN062879.D
 Acq: 13 Aug 2020 1:06

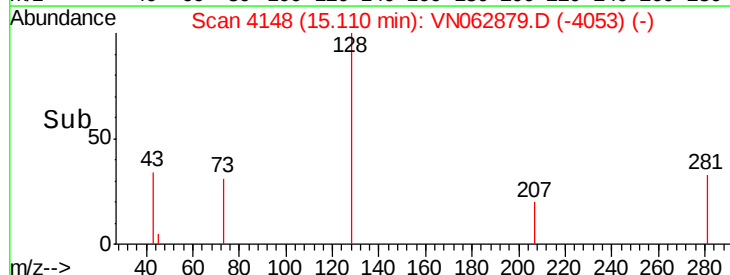
Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.8	13.2#

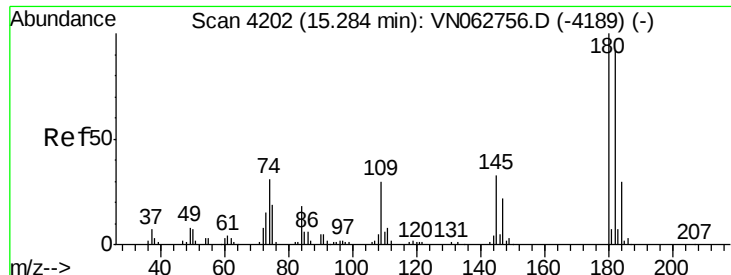


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 2.890 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.01 min
 Lab File: VN062879.D
 Acq: 13 Aug 2020 1:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#09

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.7	47.9	143.6
145	0.0	17.3	51.7

