

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062881.D
 Acq On : 13 Aug 2020 1:55
 Operator : JC/MD
 Sample : PB130908ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#11

Quant Time: Aug 13 05:28:53 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	139599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	244064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	243703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91785	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	116987	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	7.55	113	86223	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
50) Toluene-d8	10.06	98	313759	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.38	95	114035	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

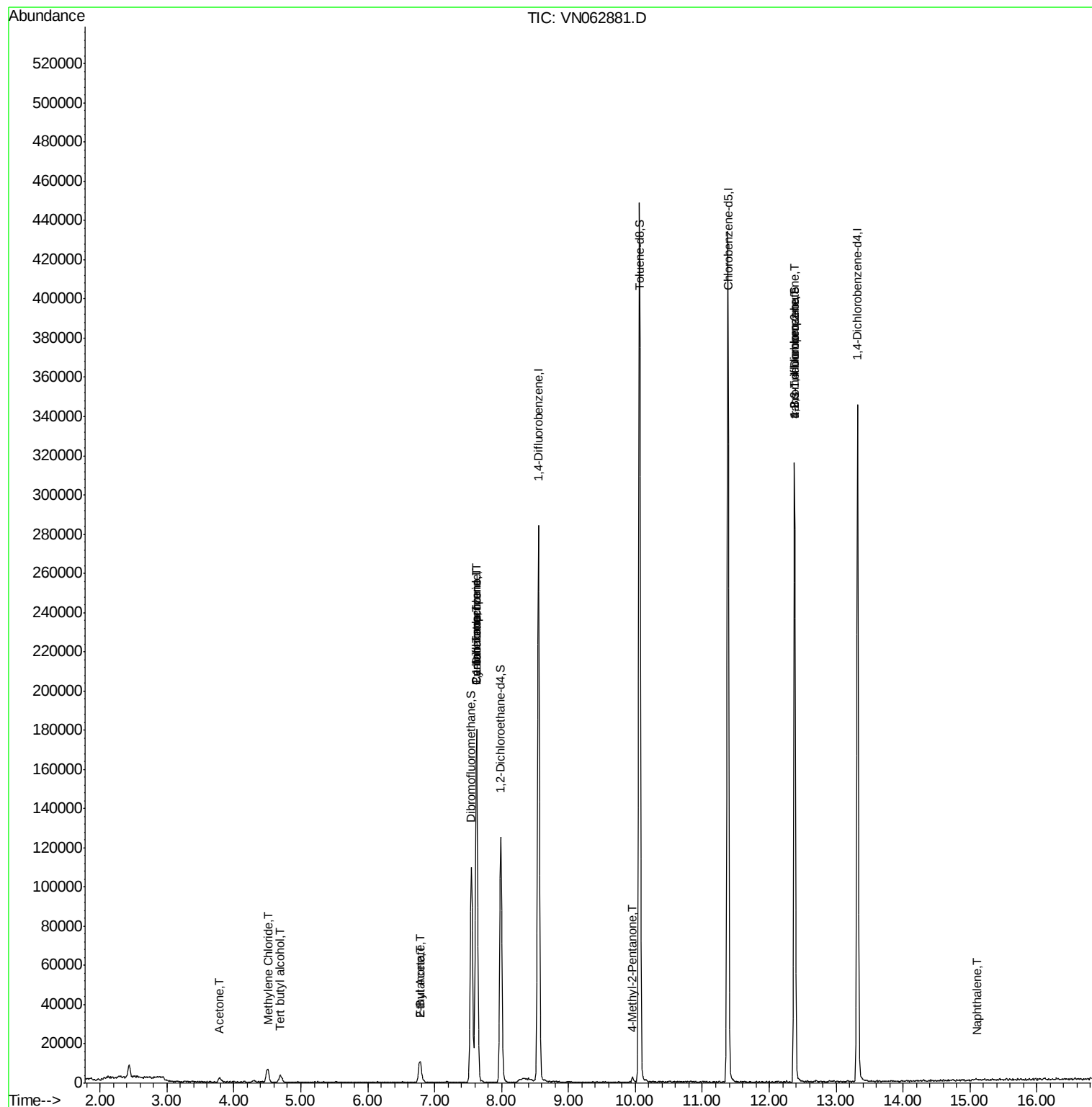
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	3007	7.947	ug/l #	72
16) Acetone	3.78	43	4415	5.293	ug/l	98
17) Carbon Disulfide	4.00	76	32	Below Cal	#	74
18) Methyl Acetate	4.28	43	336	Below Cal	#	52
20) Methylene Chloride	4.50	84	5402	2.821	ug/l	87
25) 2-Butanone	6.79	43	1102	0.933	ug/l #	81
31) Cyclohexane	7.63	56	3121	1.115	ug/l #	11
36) 1,1-Dichloropropene	7.62	75	11789	4.961	ug/l #	53
37) Ethyl Acetate	6.79	43	1102	0.444	ug/l #	78
38) Carbon Tetrachloride	7.63	117	14580	5.187	ug/l #	14
51) 4-Methyl-2-Pentanone	9.96	43	2841	1.060	ug/l #	70
76) 1,2,3-Trichloropropane	12.38	75	60489	24.437	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	60489	74.598	ug/l #	10
95) Naphthalene	15.11	128	211	3.754	ug/l #	68

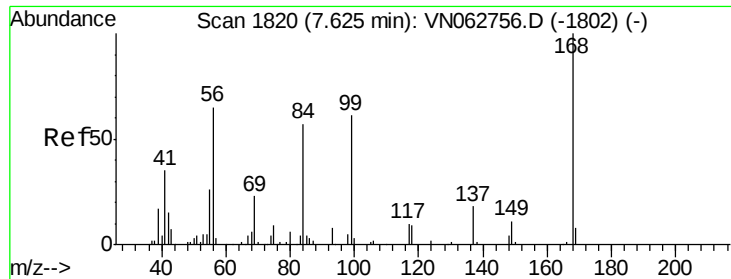
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062881.D

Acq: 13 Aug 2020 1:55

Instrument :

MSVOA_N

ClientSampleId :

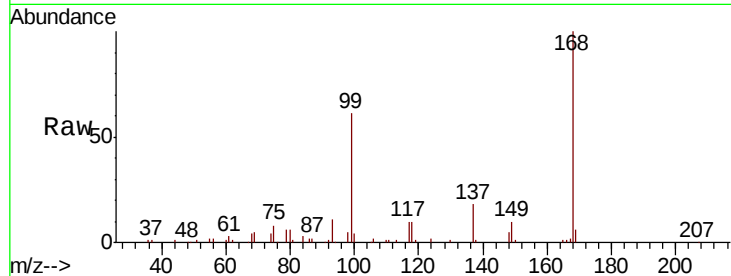
PB130908ZHE#11

Tot Ion:168 Resp: 139599

Ion Ratio Lower Upper

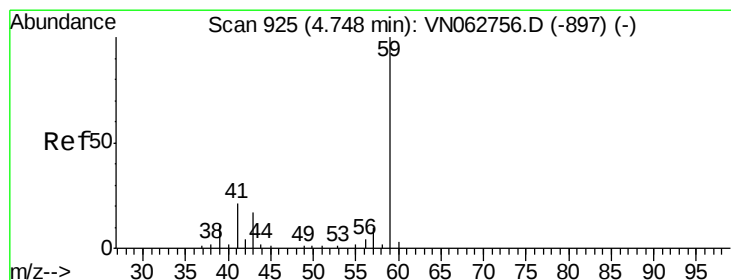
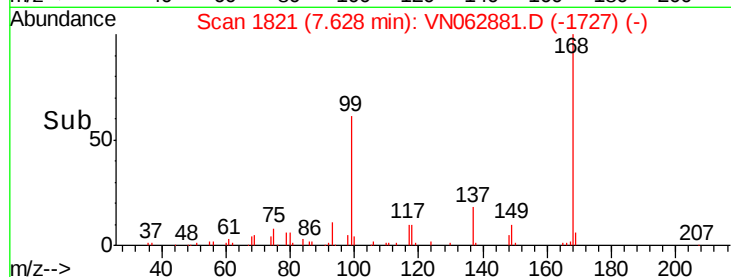
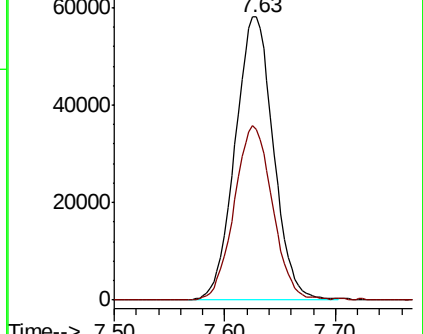
168 100

99 60.5 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 7.947 ug/l

RT: 4.69 min Scan# 908

Delta R.T. -0.05 min

Lab File: VN062881.D

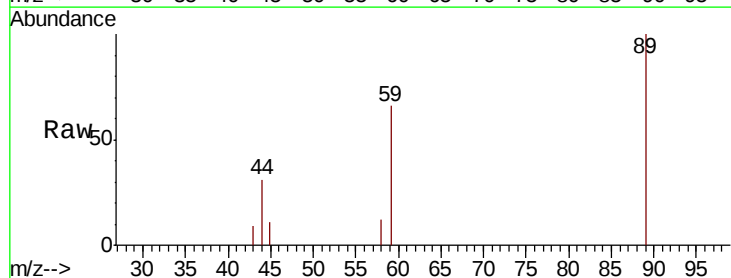
Acq: 13 Aug 2020 1:55

Tgt Ion: 59 Resp: 3007

Ion Ratio Lower Upper

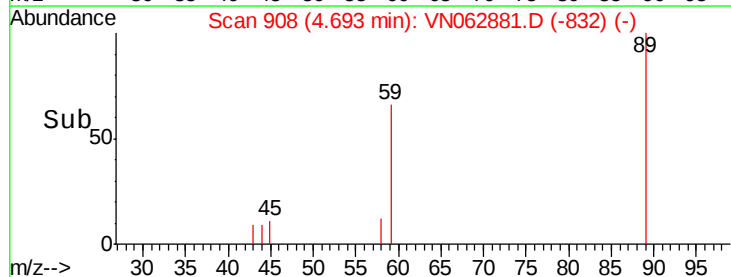
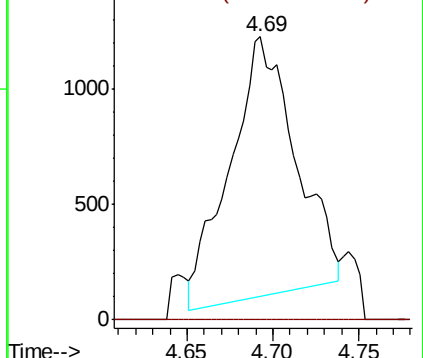
59 100

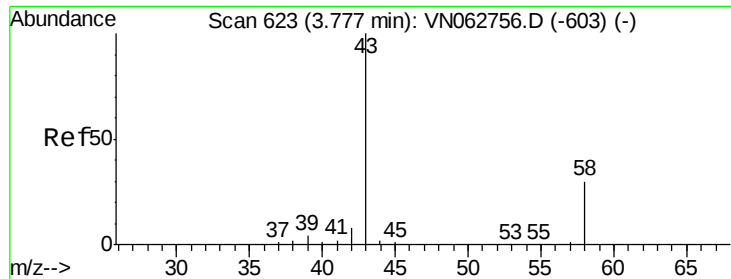
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 5.293 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062881.D

Acq: 13 Aug 2020 1:55

Instrument :

MSVOA_N

ClientSampleId :

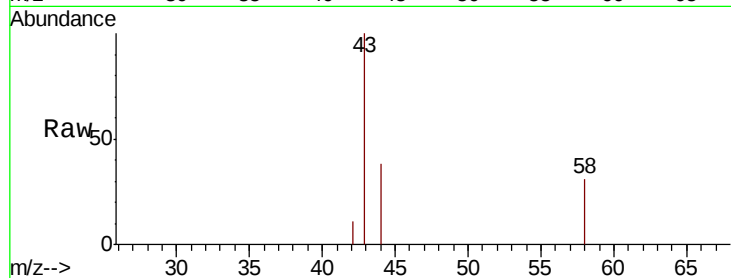
PB130908ZHE#11

Tot Ion: 43 Resp: 4415

Ion Ratio Lower Upper

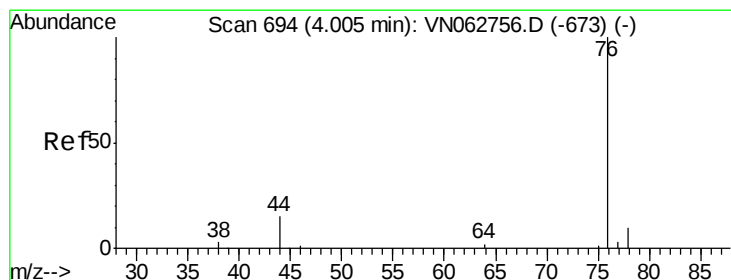
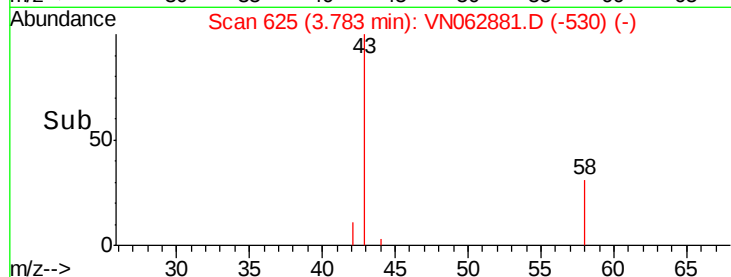
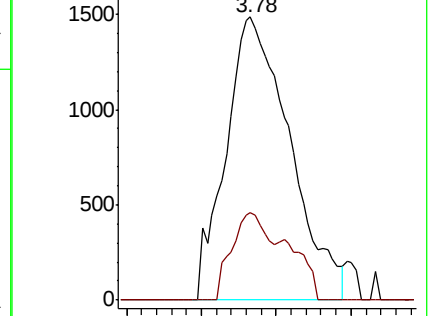
43 100

58 30.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062881.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062881.D (-530) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: VN062881.D

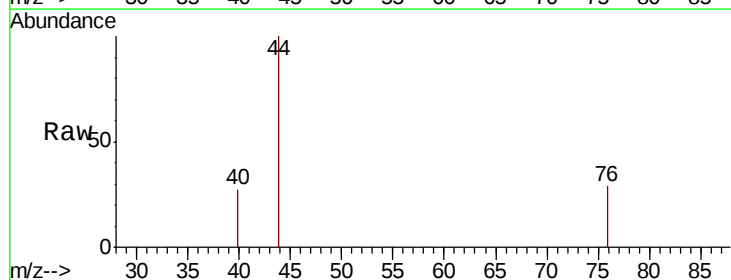
Acq: 13 Aug 2020 1:55

Tgt Ion: 76 Resp: 32

Ion Ratio Lower Upper

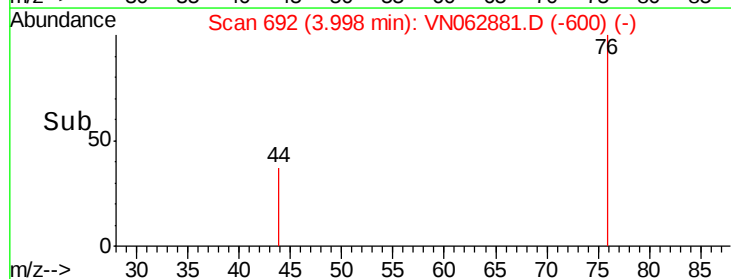
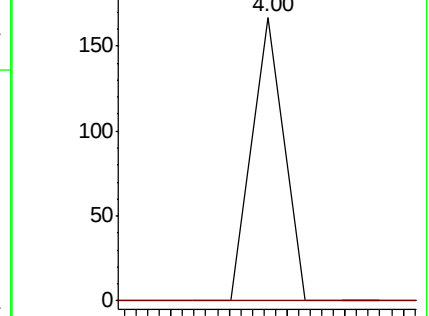
76 100

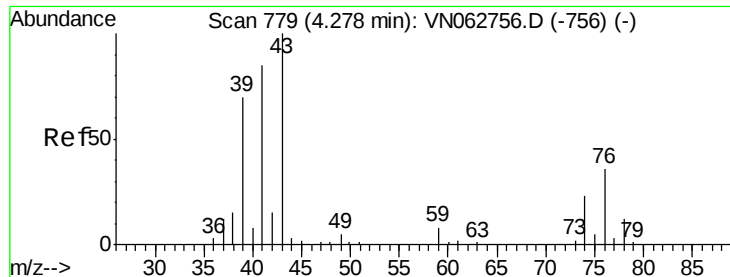
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062881.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062881.D (-600) (-)

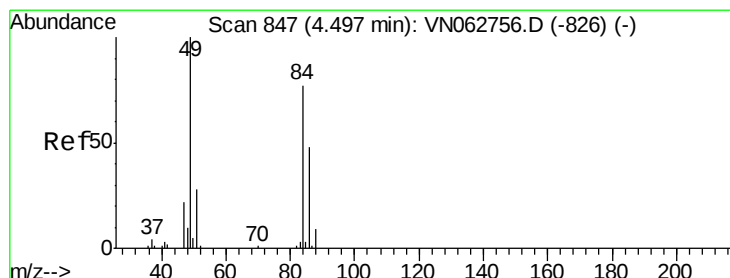
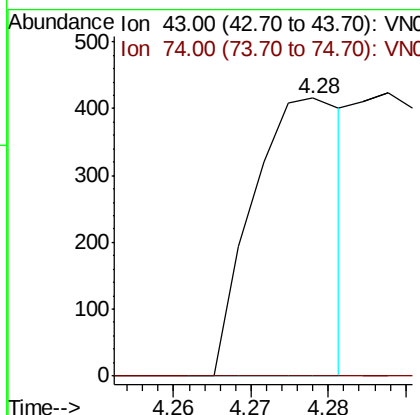
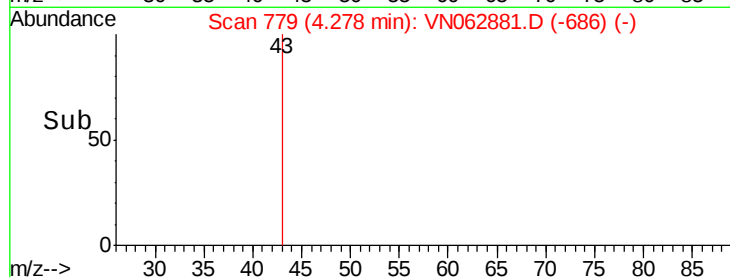
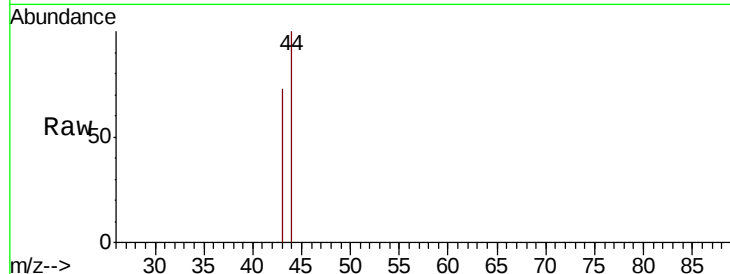




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062881.D
Acq: 13 Aug 2020 1:55

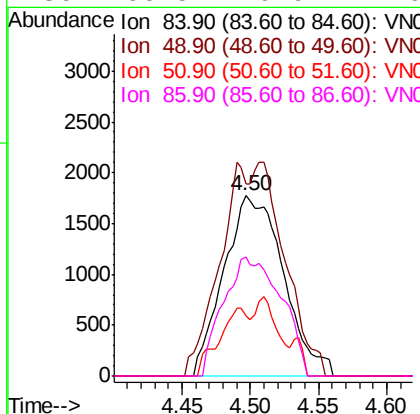
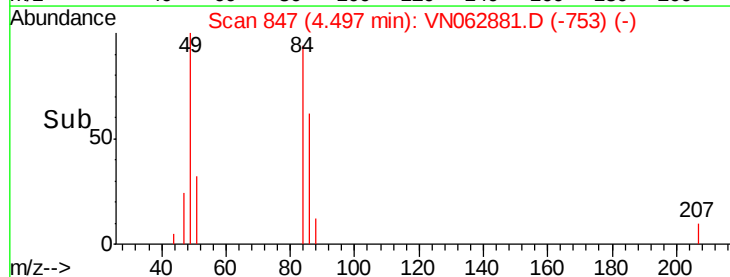
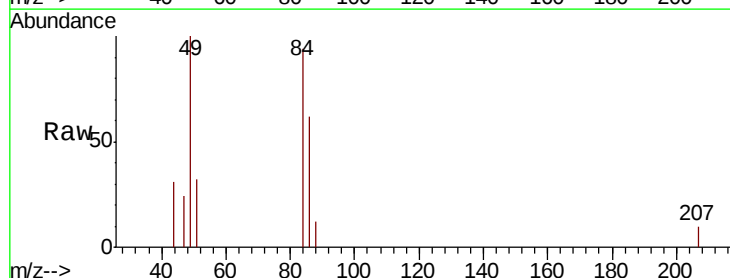
Instrument :
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ClientSampleId :
PB130908ZHE#11

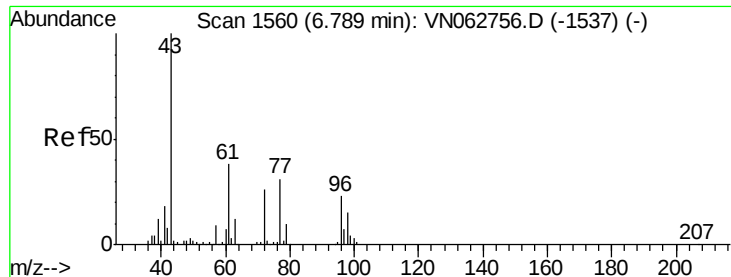
Tot Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 2.821 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062881.D
Acq: 13 Aug 2020 1:55

Tgt Ion: 84 Resp: 5402
Ion Ratio Lower Upper
84 100
49 106.8 103.4 155.2
51 33.8 29.3 43.9
86 66.5 49.9 74.9

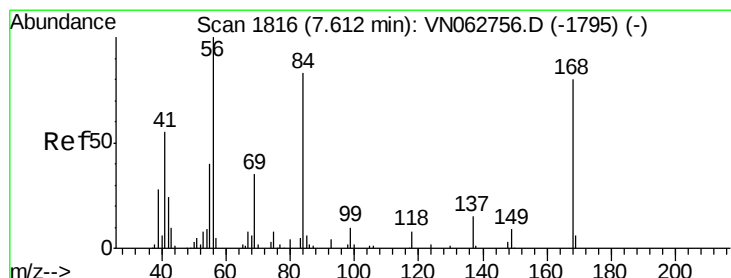
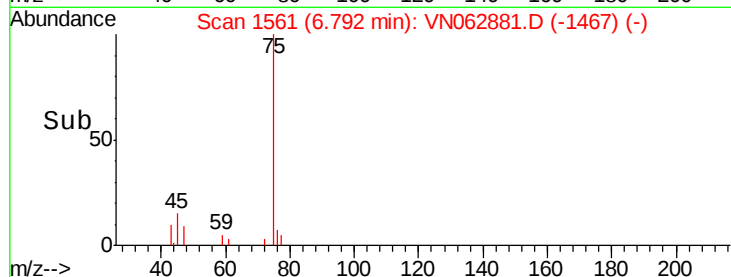
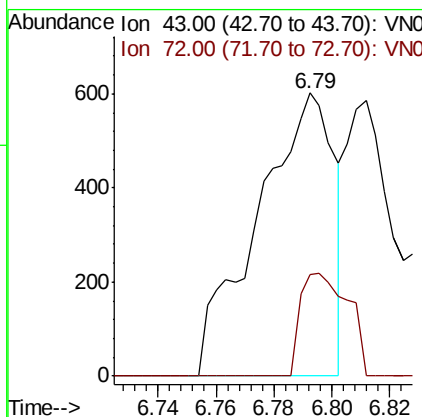
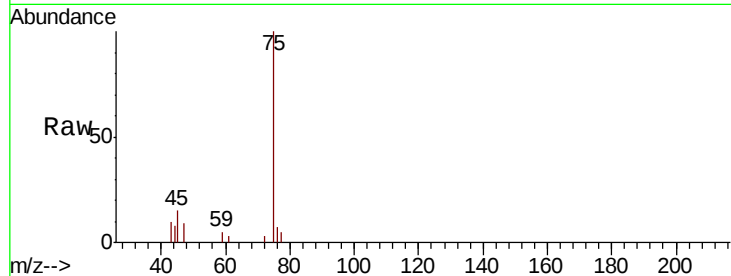




#25
 2-Butanone
 Concen: 0.933 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN062881.D
 Acq: 13 Aug 2020 1:55

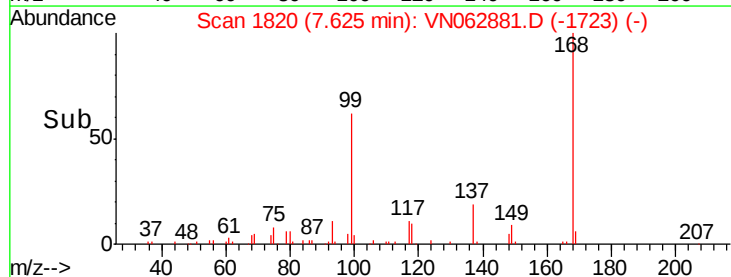
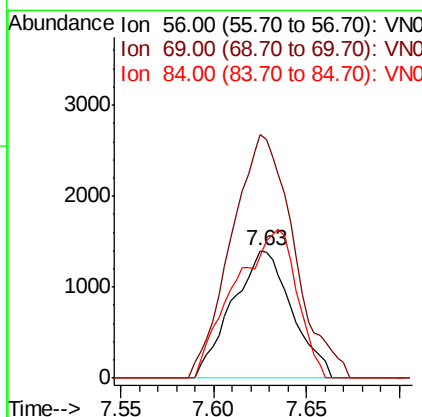
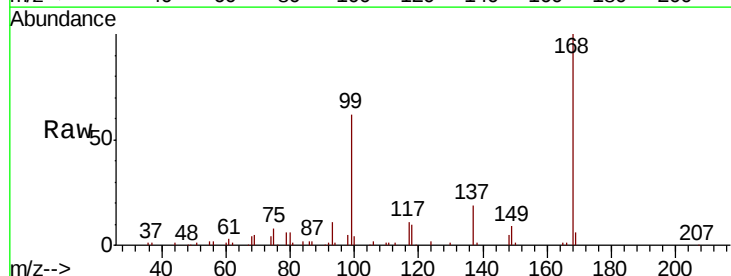
Instrument :
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 ClientSampleId :
 PB130908ZHE#11

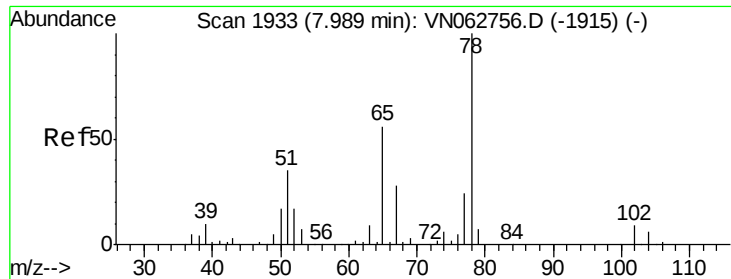
Tot Ion: 43 Resp: 1102
 Ion Ratio Lower Upper
 43 100
 72 36.0 21.1 31.7#



#31
 Cyclohexane
 Concen: 1.115 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: VN062881.D
 Acq: 13 Aug 2020 1:55

Tgt Ion: 56 Resp: 3121
 Ion Ratio Lower Upper
 56 100
 69 191.0 28.1 42.1#
 84 96.1 66.8 100.2

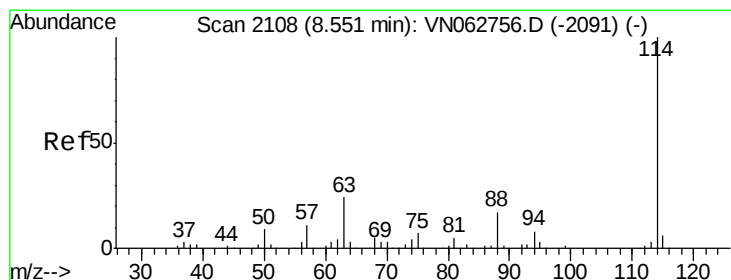
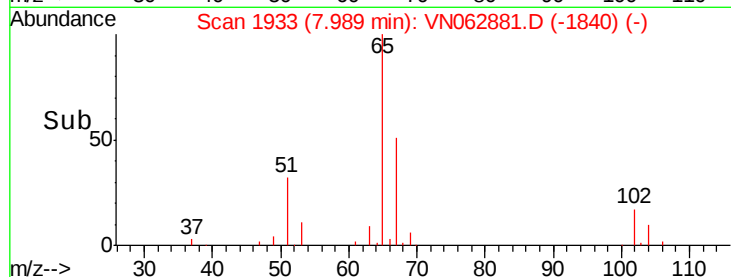
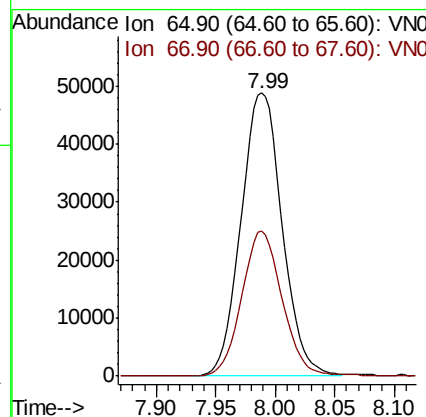
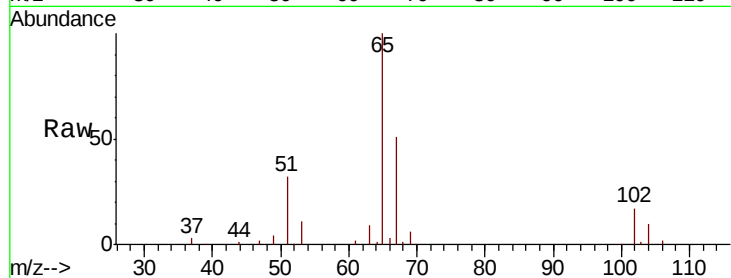




#33
 1,2-Dichloroethane-d4
 Concen: 50.676 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062881.D
 Acq: 13 Aug 2020 1:55

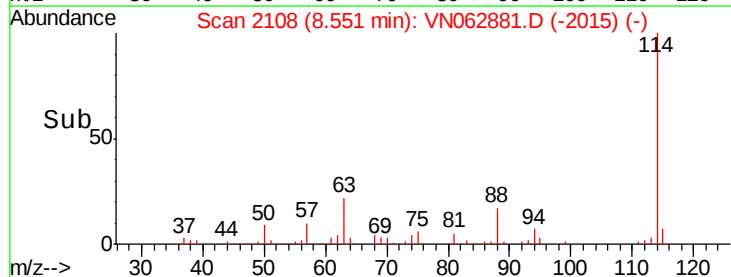
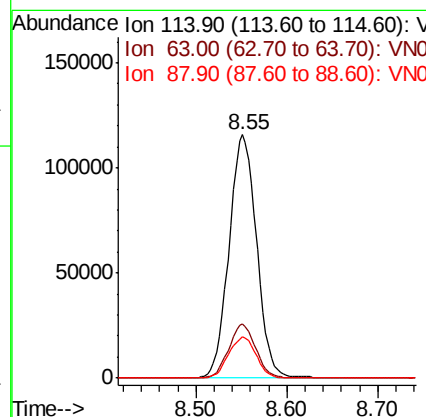
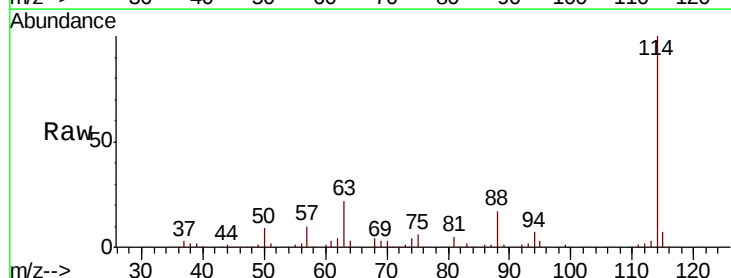
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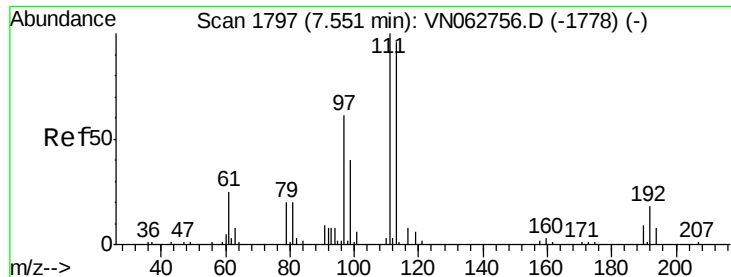
Tot Ion: 65 Resp: 116987
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062881.D
 Acq: 13 Aug 2020 1:55

Tgt Ion: 114 Resp: 244064
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.6
 88 16.8 0.0 34.4

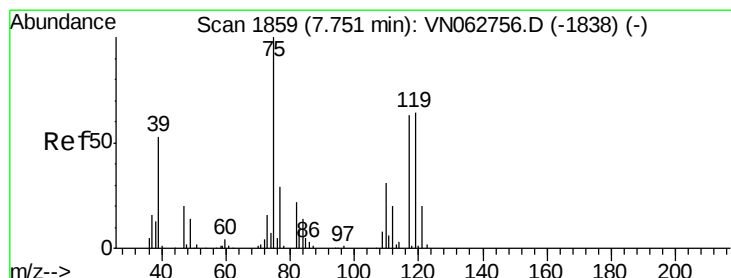
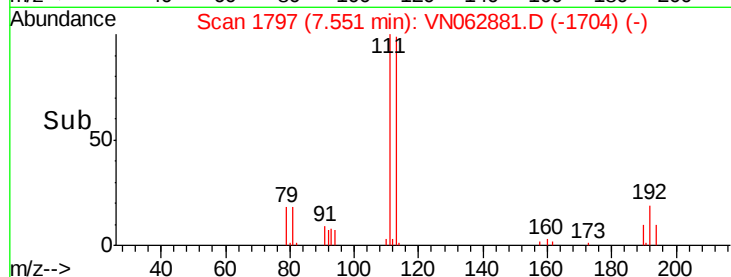
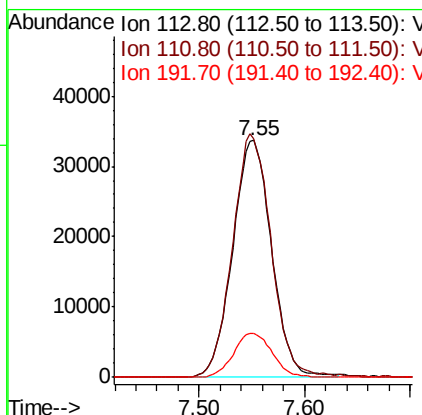
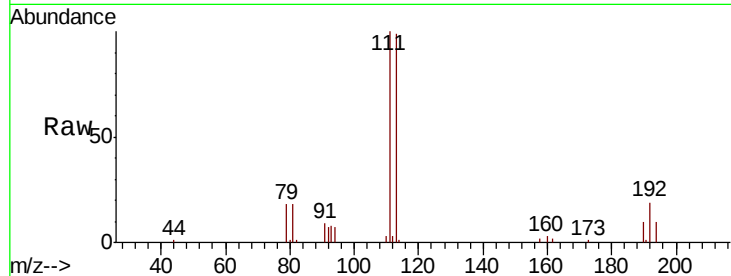




#35
 Dibromofluoromethane
 Concen: 51.645 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062881.D
 Acq: 13 Aug 2020 1:55

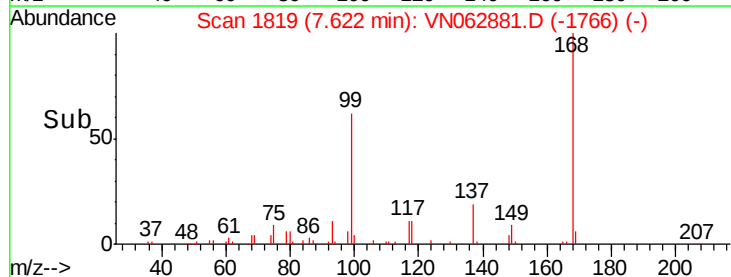
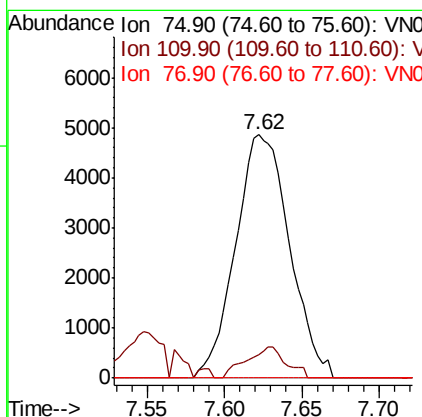
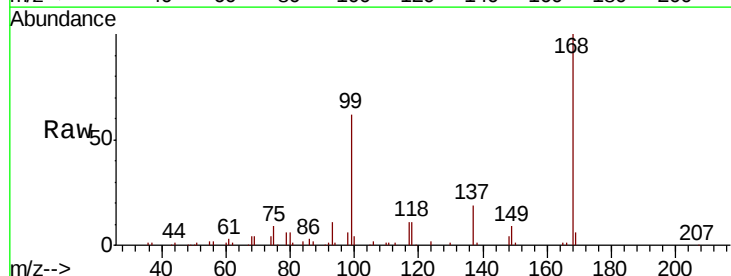
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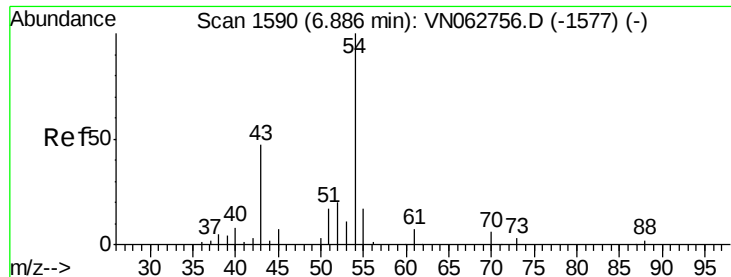
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.6
192	18.4	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 4.961 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062881.D
 Acq: 13 Aug 2020 1:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.6	46.7#
77	0.0	24.1	36.1#

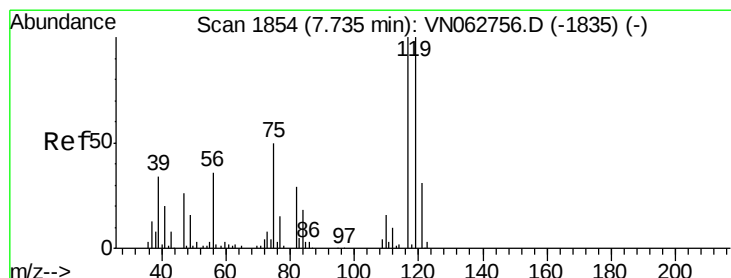
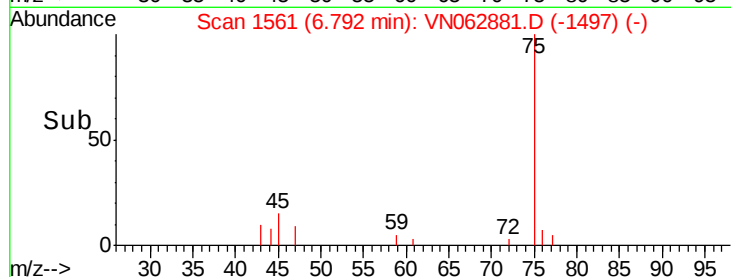
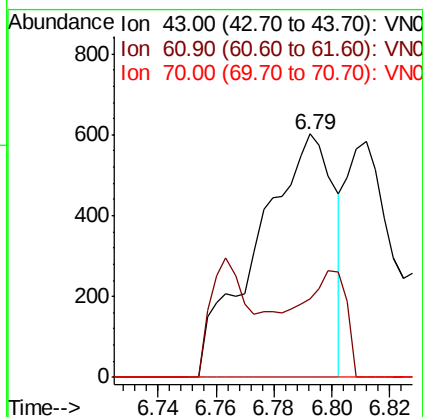
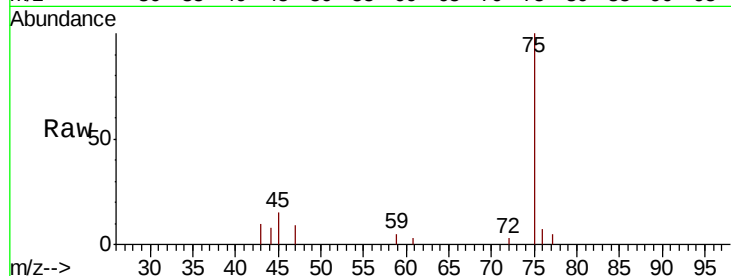




#37
Ethyl Acetate
Concen: 0.444 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.09 min
Lab File: VN062881.D
Acq: 13 Aug 2020 1:55

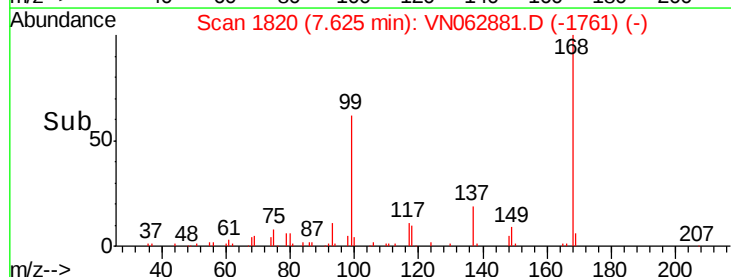
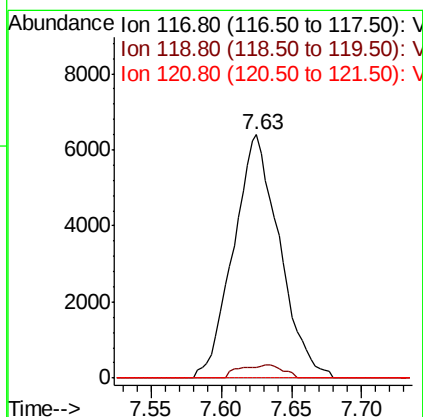
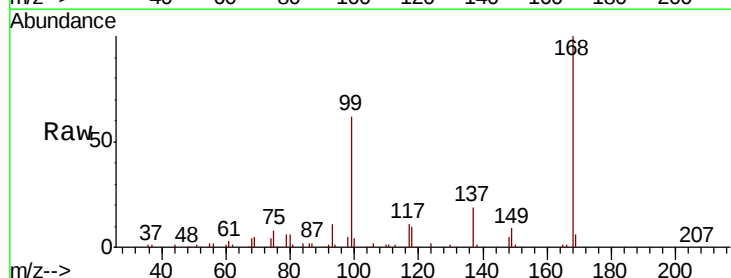
Instrument :
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PB130908ZHE#11

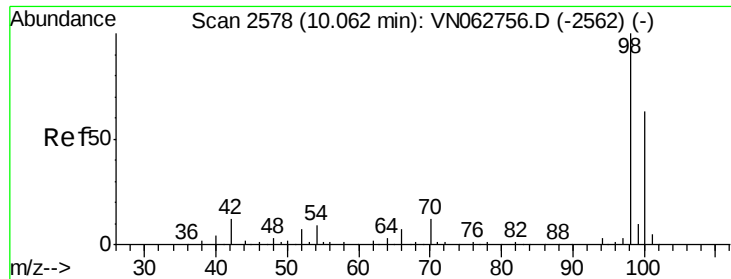
Tot Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
61 22.9 12.1 18.1#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.187 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062881.D
Acq: 13 Aug 2020 1:55

Tgt Ion: 117 Resp: 14580
Ion Ratio Lower Upper
117 100
119 4.2 79.4 119.2#
121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 48.137 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062881.D

Acq: 13 Aug 2020 1:55

Instrument :

MSVOA_N

ClientSampleId :

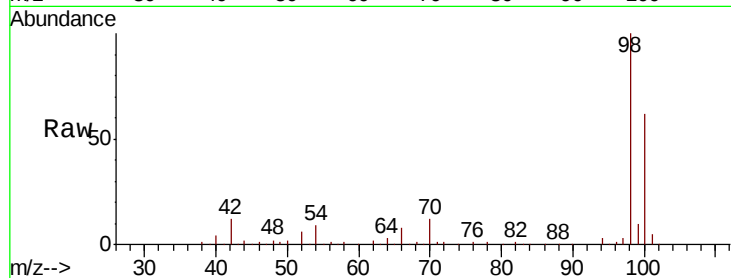
PB130908ZHE#11

Tot Ion: 98 Resp: 313759

Ion Ratio Lower Upper

98 100

100 62.8 50.9 76.3



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

Ion 100.00 (99.70 to 100.70): VN062881.D (-2485) (-)

200000

150000

100000

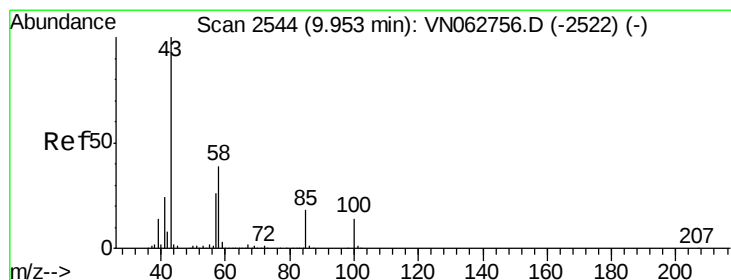
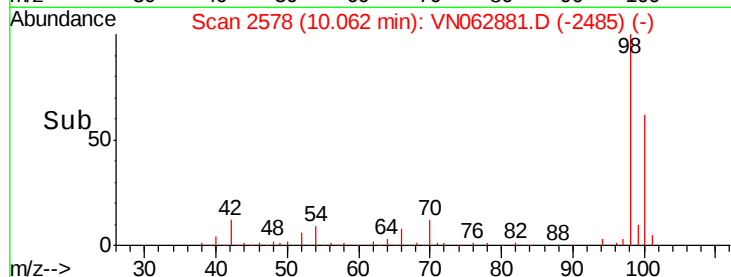
50000

0

10.06

10.00 10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.060 ug/l

RT: 9.96 min Scan# 2546

Delta R.T. 0.01 min

Lab File: VN062881.D

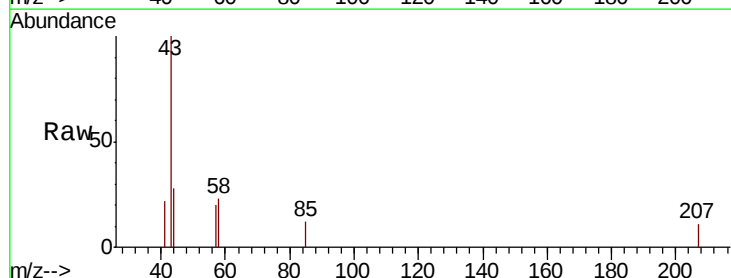
Acq: 13 Aug 2020 1:55

Tgt Ion: 43 Resp: 2841

Ion Ratio Lower Upper

43 100

58 20.8 31.1 46.7#



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

Ion 58.00 (57.70 to 58.70): VN062881.D (-2451) (-)

1500

1000

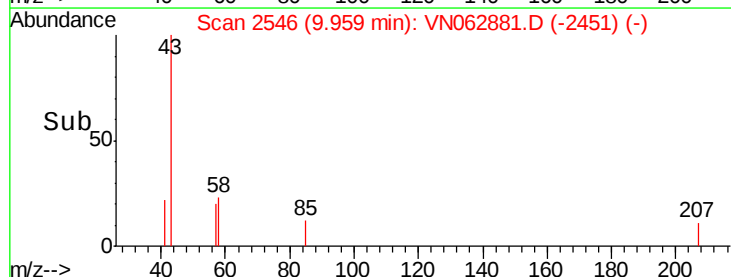
500

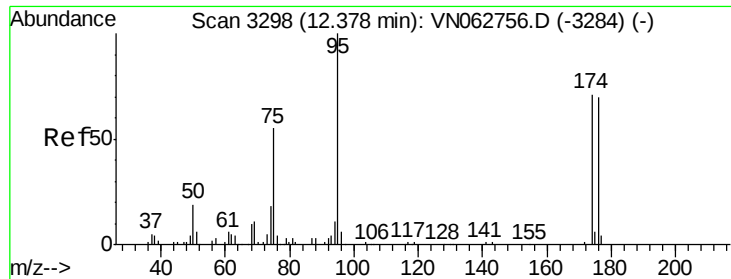
0

9.96

9.90 9.95 10.00

Time-->





#62

4-Bromofluorobenzene

Concen: 46.296 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062881.D

Acq: 13 Aug 2020 1:55

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#11

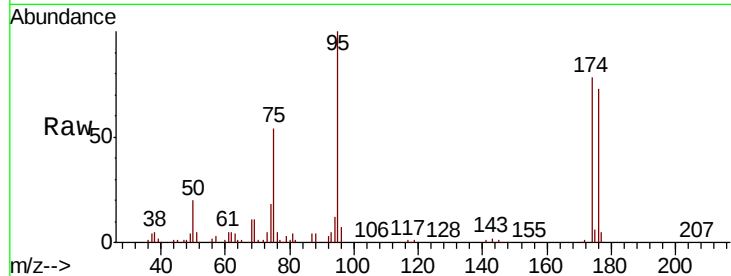
Tot Ion: 95 Resp: 114035

Ion Ratio Lower Upper

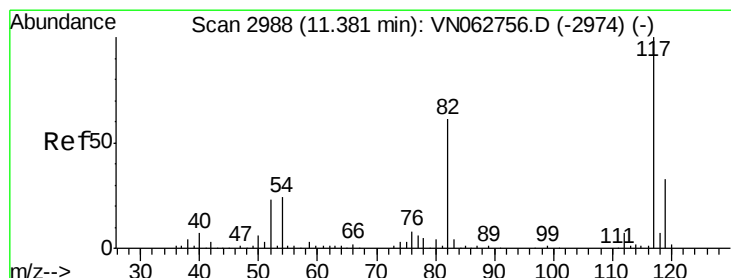
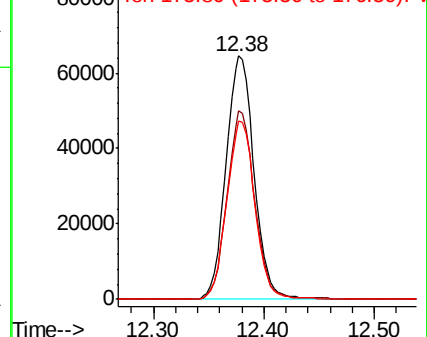
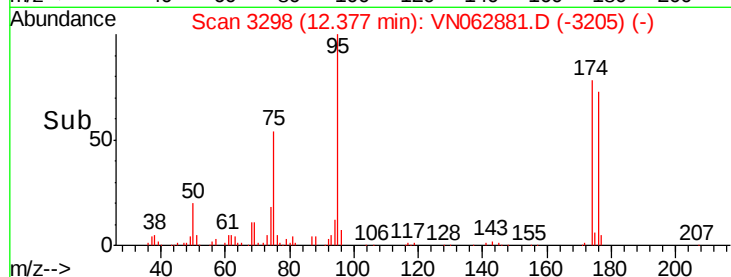
95 100

174 75.6 0.0 144.8

176 72.9 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062881.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062881.D

Acq: 13 Aug 2020 1:55

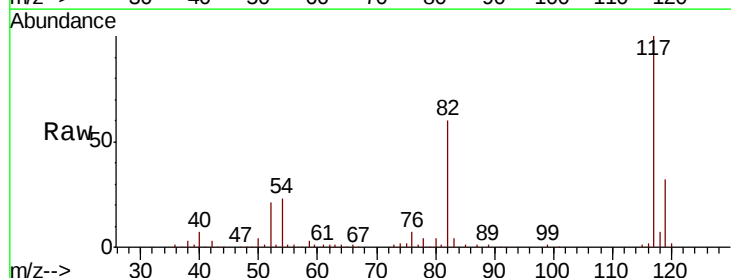
Tgt Ion: 117 Resp: 243703

Ion Ratio Lower Upper

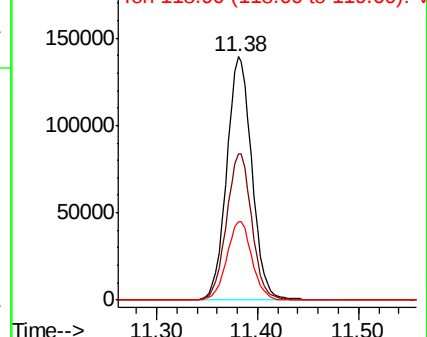
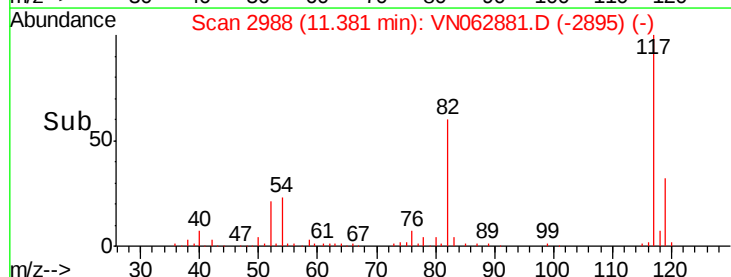
117 100

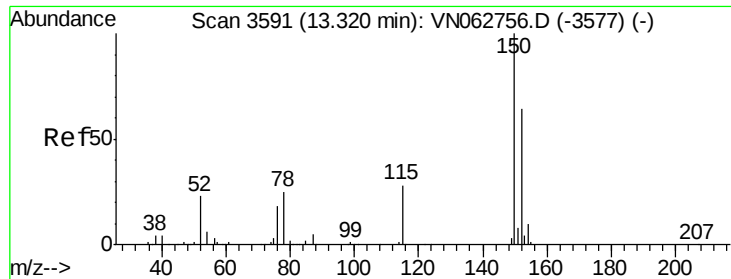
82 60.0 49.0 73.4

119 32.3 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN062881.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062881.D

Acq: 13 Aug 2020 1:55

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#11

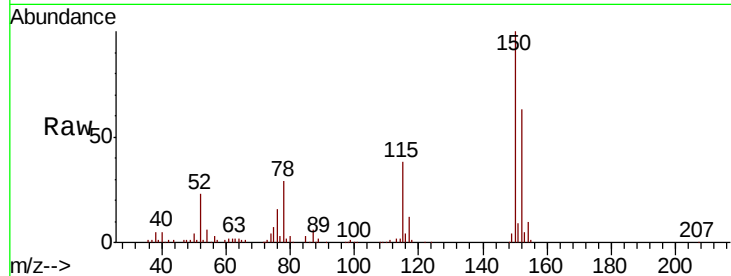
Tot Ion:152 Resp: 91785

Ion Ratio Lower Upper

152 100

115 61.9 31.6 94.8

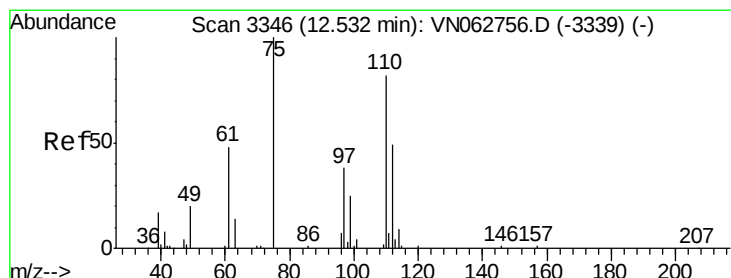
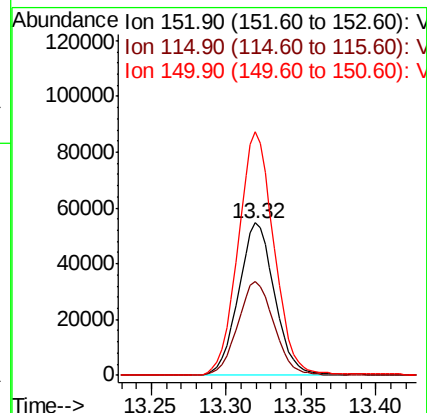
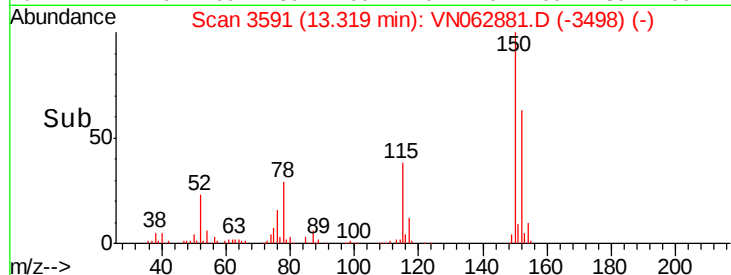
150 158.8 0.0 349.2



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: 24.437 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062881.D

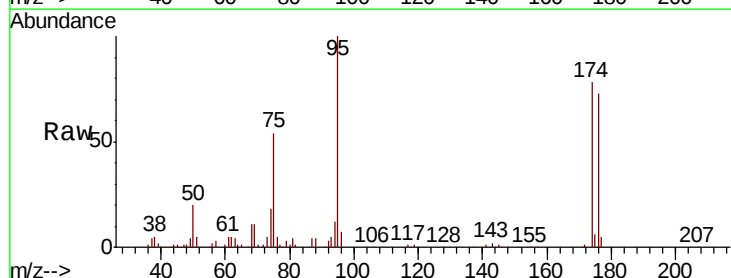
Acq: 13 Aug 2020 1:55

Tgt Ion: 75 Resp: 60489

Ion Ratio Lower Upper

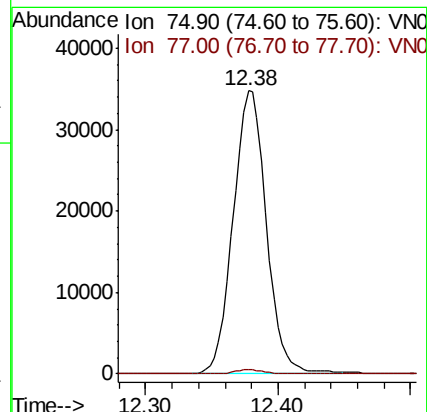
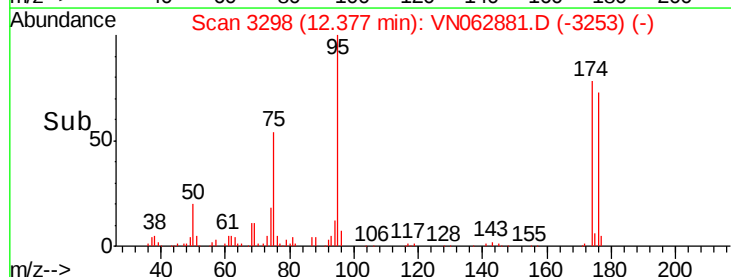
75 100

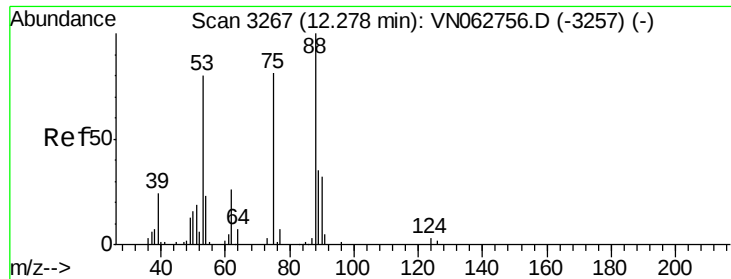
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

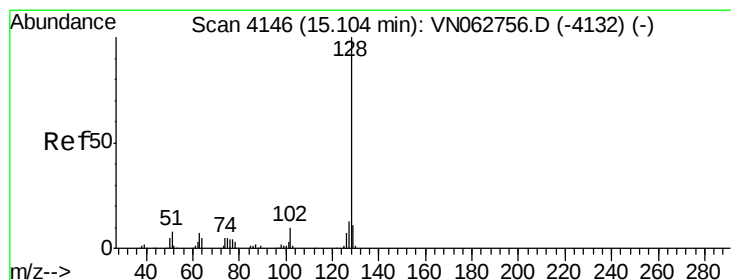
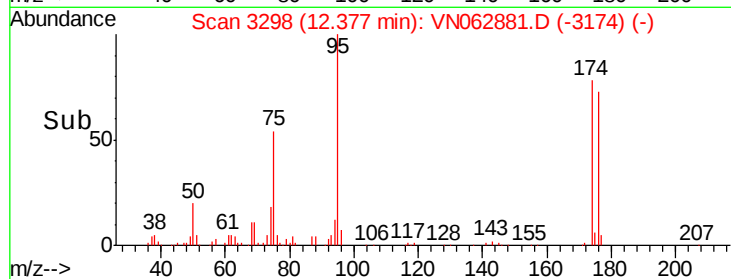
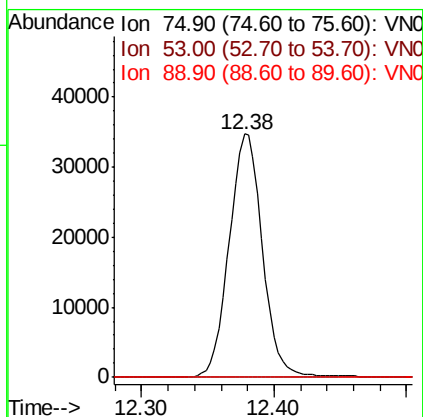
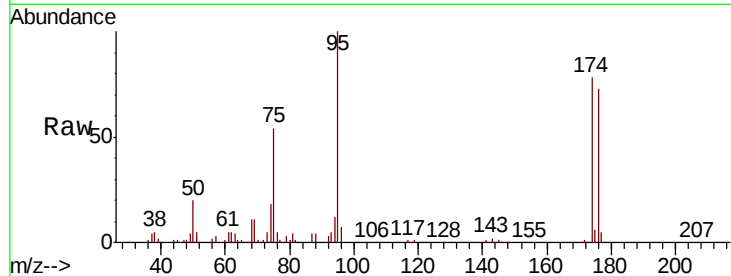




#81
trans-1,4-Dichloro-2-butene
Concen: 74.598 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062881.D
Acq: 13 Aug 2020 1:55

Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#11

Tot Ion: 75 Resp: 60489
Ion Ratio Lower Upper
75 100
53 0.0 79.1 118.7#
89 0.0 36.2 54.2#



#95
Naphthalene
Concen: 3.754 ug/l
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062881.D
Acq: 13 Aug 2020 1:55

Tgt Ion: 128 Resp: 211
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.8 13.2#

