

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076003.D
 Acq On : 28 Dec 2022 16:33
 Operator : JC\MD
 Sample : N6213-05 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-5

Quant Time: Dec 29 04:53:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

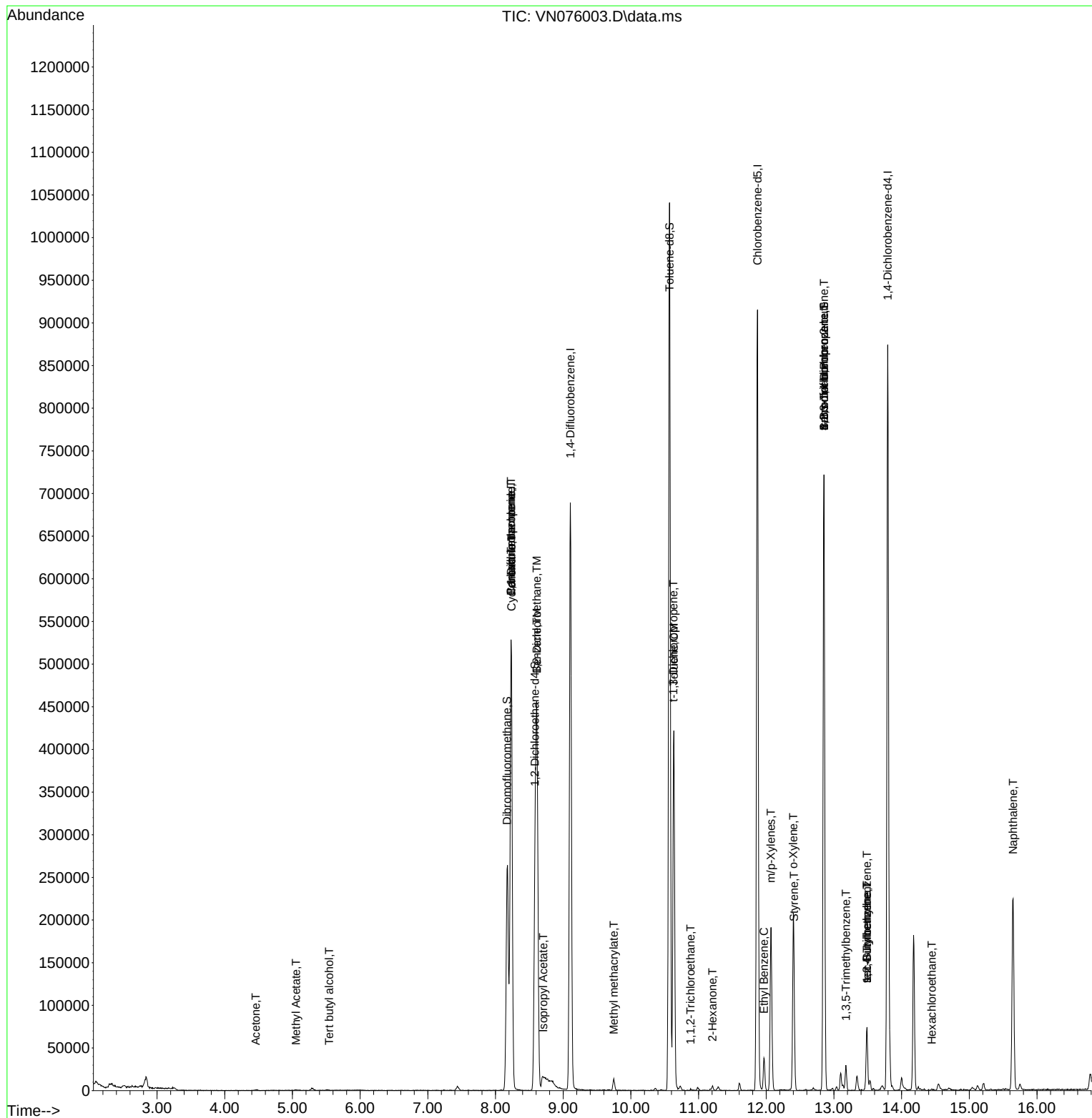
Internal Standards						
1) Pentafluorobenzene	8.230	168	419301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	653607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	565719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	250886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	208629	45.736	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.480%		
35) Dibromofluoromethane	8.171	113	189026	46.700	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.400%		
50) Toluene-d8	10.571	98	742566	49.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.140%		
62) 4-Bromofluorobenzene	12.853	95	238714	47.624	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.240%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.542	59	148	0.229	ug/l #	72
16) Acetone	4.459	43	1625	1.033	ug/l	98
18) Methyl Acetate	5.053	43	1053	0.227	ug/l #	55
20) Methylene Chloride	5.289	84	1832	Below Cal	#	65
31) Cyclohexane	8.236	56	7935	1.215	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	29114	5.415	ug/l #	50
38) Carbon Tetrachloride	8.230	117	41778	6.942	ug/l #	15
40) Benzene	8.612	78	418068	25.200	ug/l	99
42) 1,2-Dichloroethane	8.612	62	3762	0.682	ug/l	83
43) Isopropyl Acetate	8.706	43	14116	1.981	ug/l #	50
48) Methyl methacrylate	9.747	41	1312	0.409	ug/l #	32
52) Toluene	10.635	92	195414	18.086	ug/l	100
53) t-1,3-Dichloropropene	10.629	75	2299	0.400	ug/l #	1
55) 1,1,2-Trichloroethane	10.882	97	1294	0.305	ug/l #	16
59) 2-Hexanone	11.206	43	677	0.215	ug/l #	33
67) Ethyl Benzene	11.965	91	29133	1.487	ug/l	99
68) m/p-Xylenes	12.071	106	63782	8.223	ug/l	100
69) o-Xylene	12.400	106	58722	7.650	ug/l	99
70) Styrene	12.412	104	13410	1.099	ug/l #	41
71) Bromoform	12.853	173	1970	0.629	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	121480	24.021	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	14727	0.971	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.853	75	121480	86.463	ug/l #	12
83) tert-Butylbenzene	13.488	119	5283	0.395	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.488	105	44341	2.946	ug/l	98
85) sec-Butylbenzene	13.488	105	44341	2.401	ug/l #	56
90) Hexachloroethane	14.447	117	968	0.352	ug/l #	11
95) Naphthalene	15.647	128	226674	18.056	ug/l	99

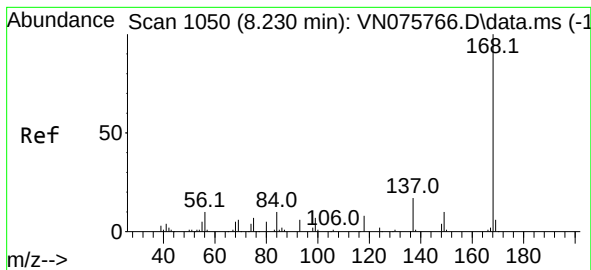
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
Data File : VN076003.D
Acq On : 28 Dec 2022 16:33
Operator : JC\MD
Sample : N6213-05 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SB-5

Quant Time: Dec 29 04:53:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

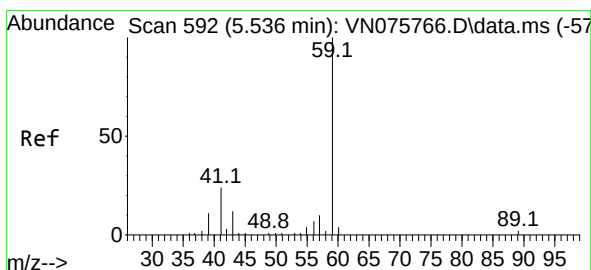
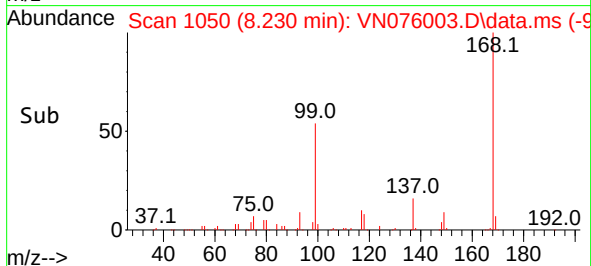
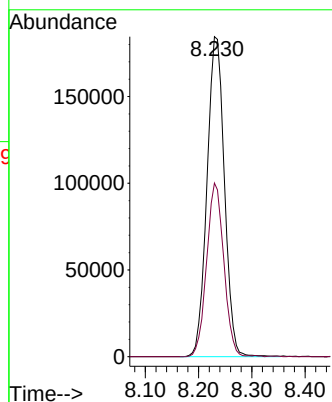
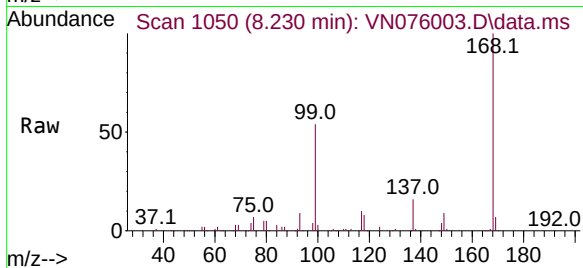




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

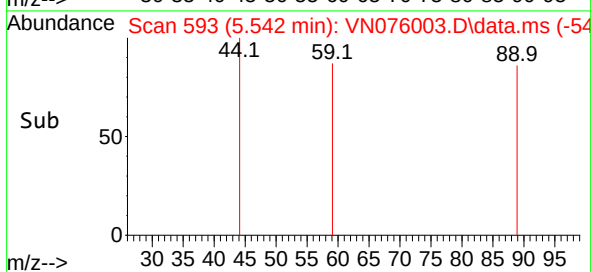
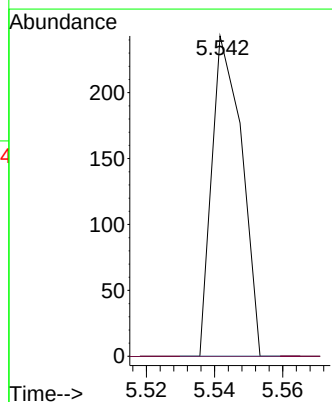
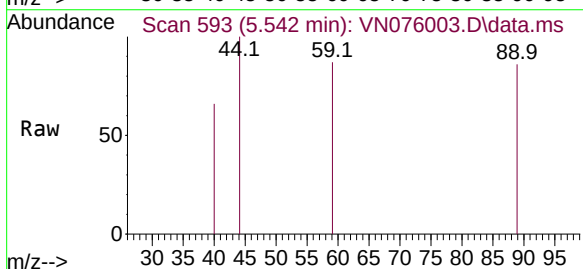
Instrument :
MSVOA_N
ClientSampleId :
SB-5

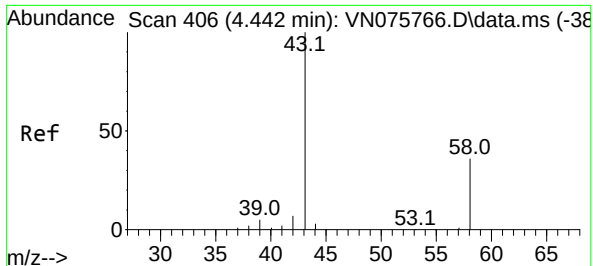
Tgt Ion:168 Resp: 419301
Ion Ratio Lower Upper
168 100
99 54.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.229 ug/l
RT: 5.542 min Scan# 593
Delta R.T. 0.006 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion: 59 Resp: 148
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

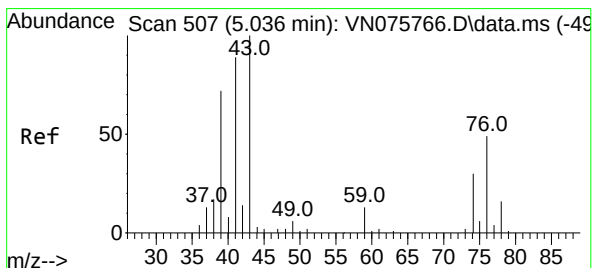
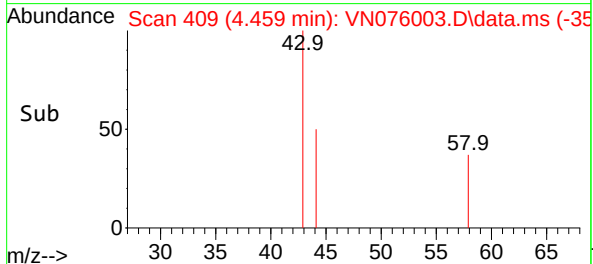
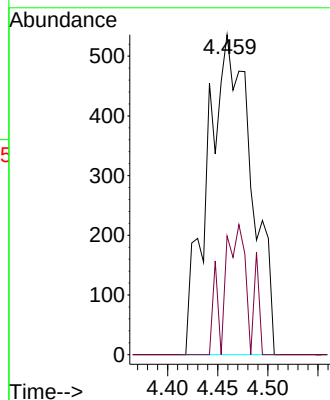
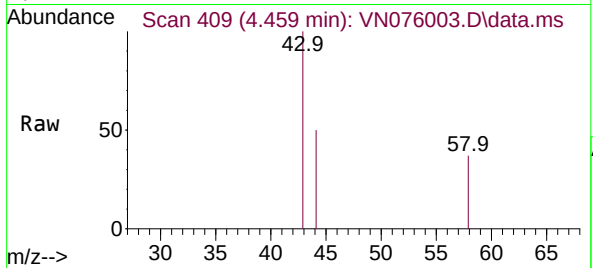




#16
Acetone
Concen: 1.033 ug/l
RT: 4.459 min Scan# 406
Delta R.T. 0.018 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

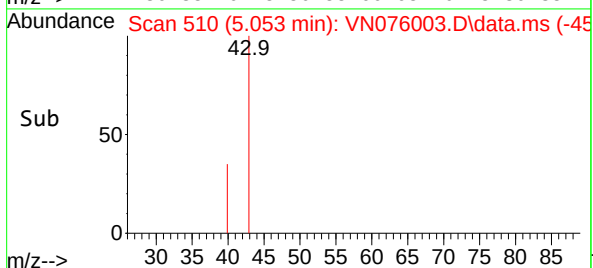
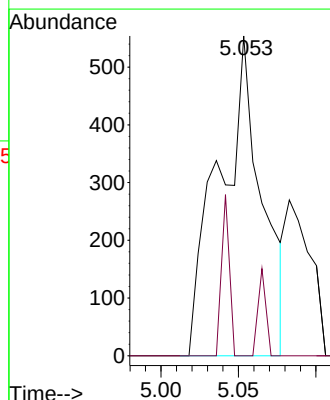
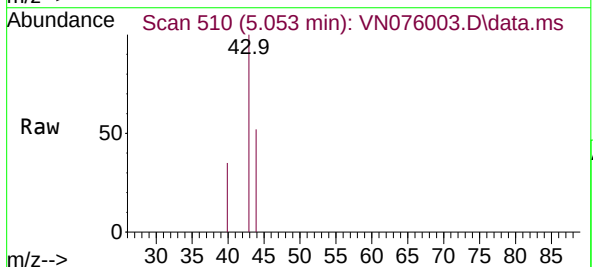
Instrument :
MSVOA_N
ClientSampleId :
SB-5

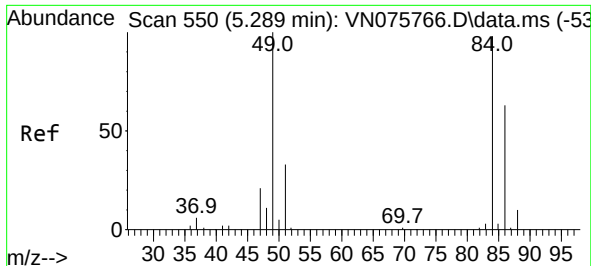
Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
58 37.1 28.6 43.0



#18
Methyl Acetate
Concen: 0.227 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
74 5.0 23.6 35.4#

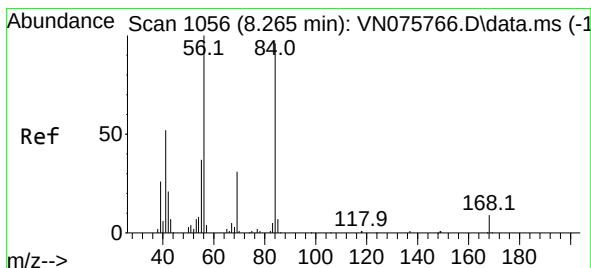
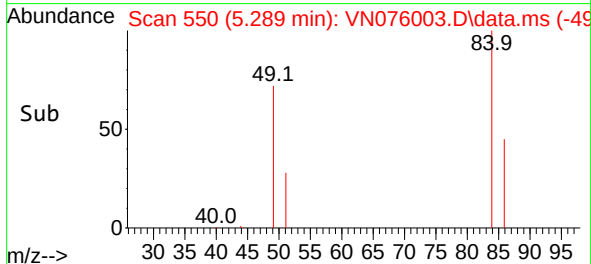
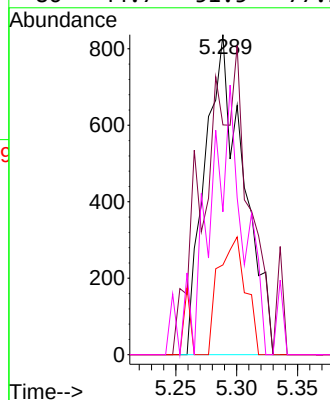
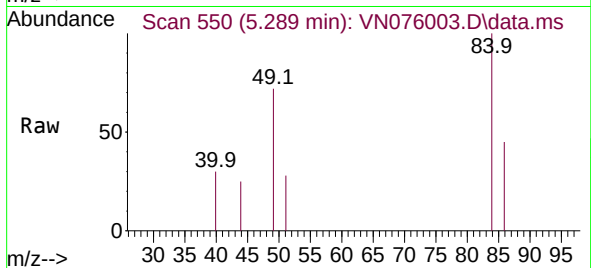




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

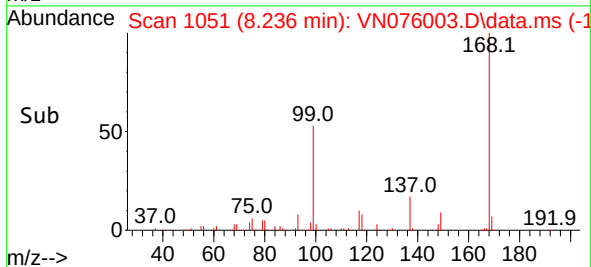
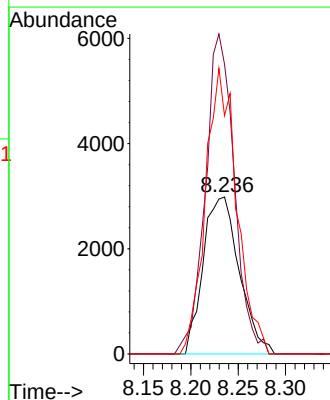
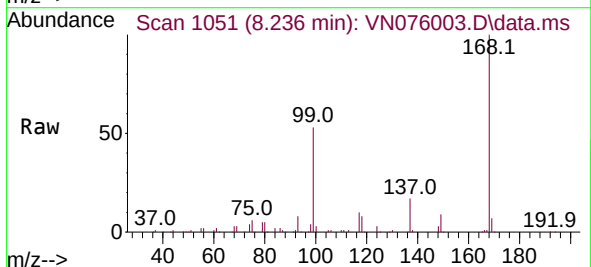
Instrument :
MSVOA_N
ClientSampleId :
SB-5

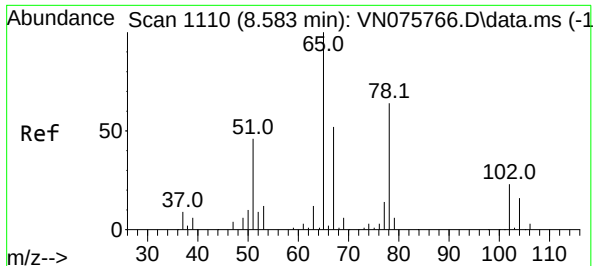
Tgt Ion:	84	Resp:	1832
Ion	Ratio	Lower	Upper
84	100		
49	51.1	81.8	122.6#
51	28.1	26.7	40.1
86	44.7	51.5	77.3#



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion:	56	Resp:	7935
Ion	Ratio	Lower	Upper
56	100		
69	184.6	24.7	37.1#
84	151.8	76.5	114.7#





#33

1,2-Dichloroethane-d4

Concen: 45.736 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

Instrument :

MSVOA_N

ClientSampleId :

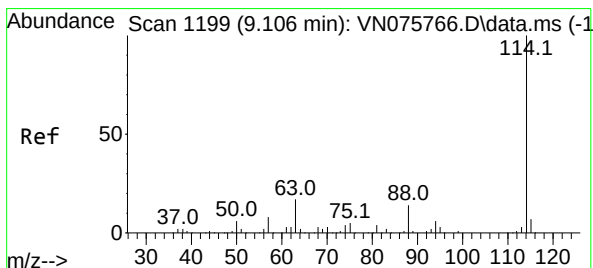
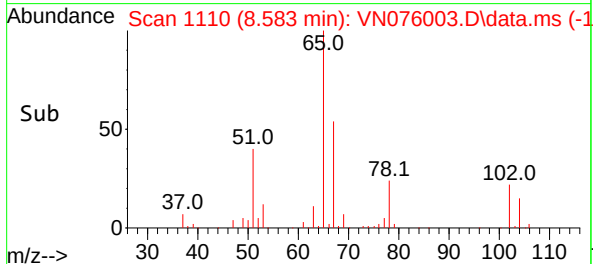
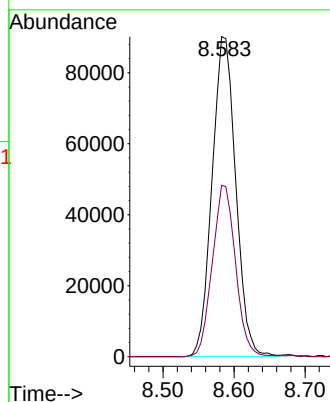
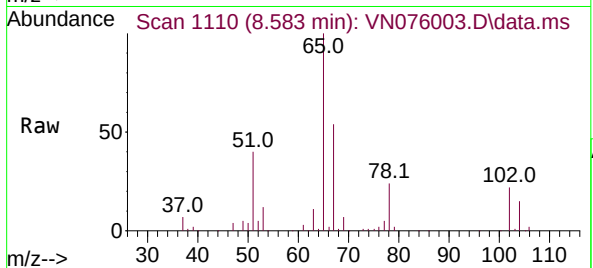
SB-5

Tgt Ion: 65 Resp: 208629

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

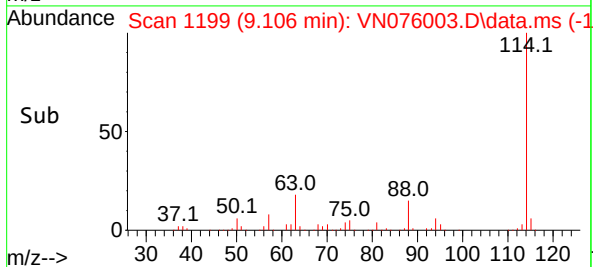
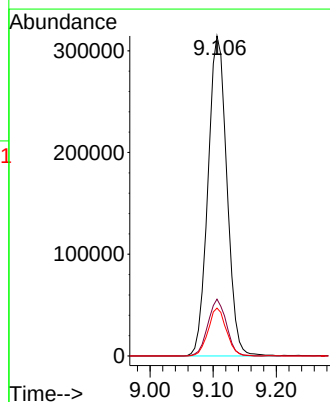
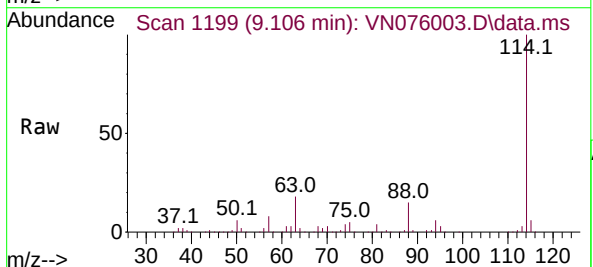
Tgt Ion: 114 Resp: 653607

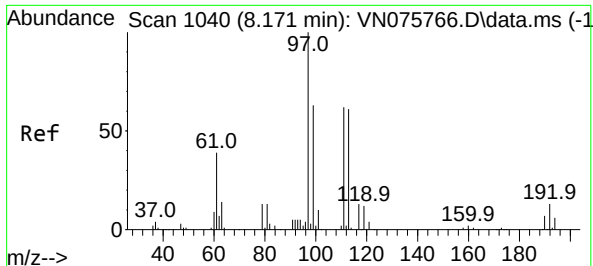
Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 15.0 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.700 ug/l

RT: 8.171 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

Instrument :

MSVOA_N

ClientSampleId :

SB-5

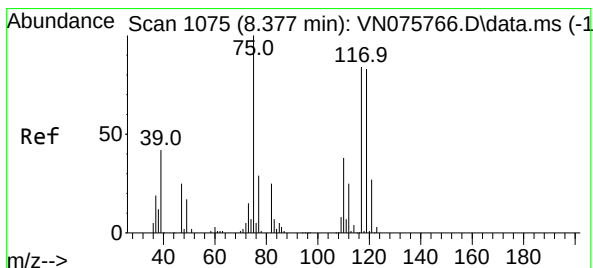
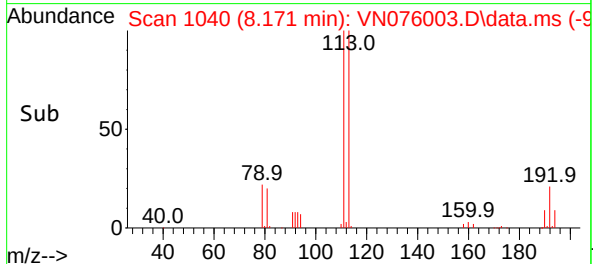
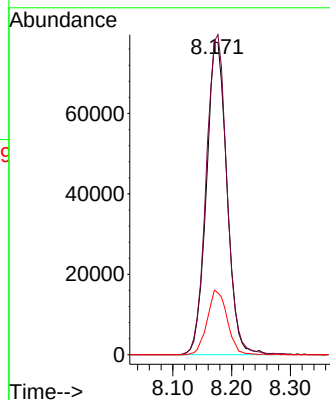
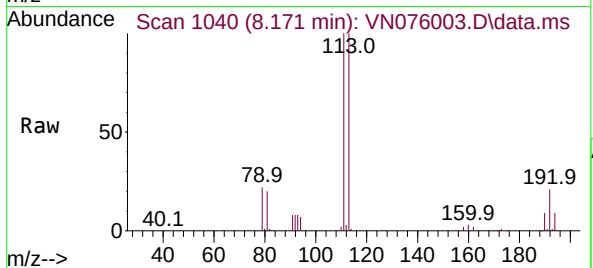
Tgt Ion:113 Resp: 189026

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

192 20.0 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.415 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

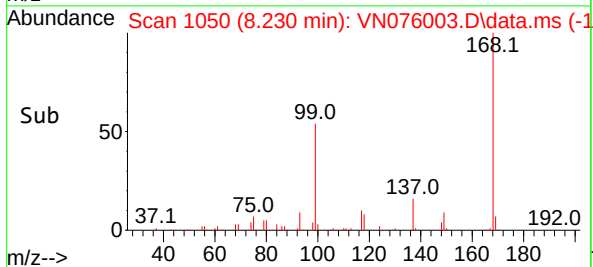
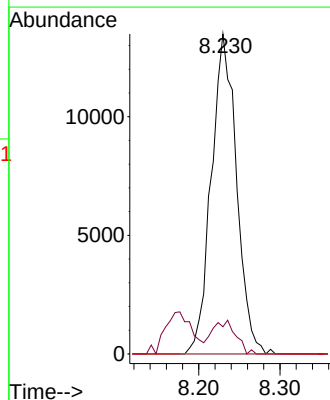
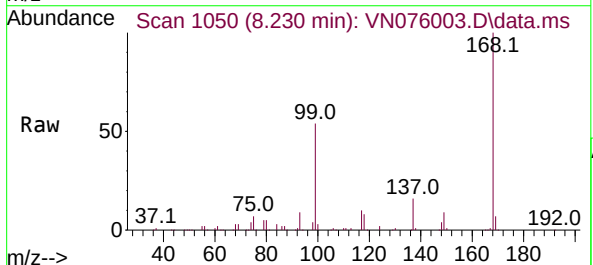
Tgt Ion: 75 Resp: 29114

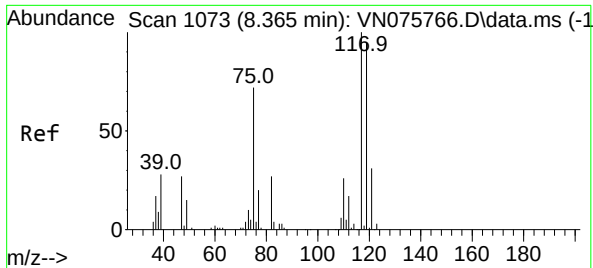
Ion Ratio Lower Upper

75 100

110 9.8 18.8 56.4#

77 0.0 24.1 36.1#

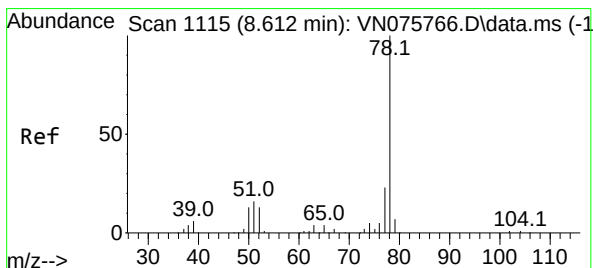
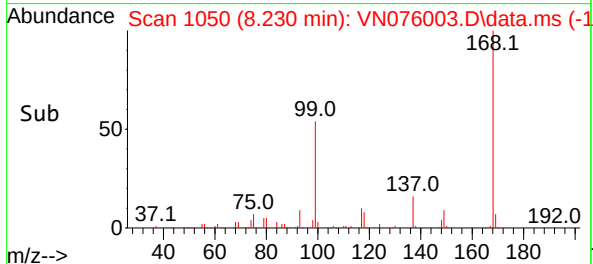
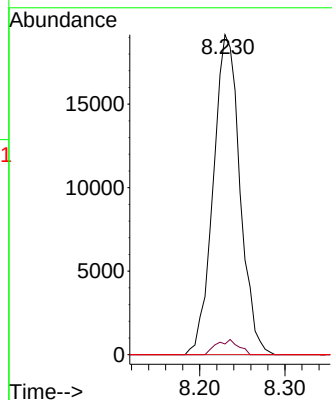
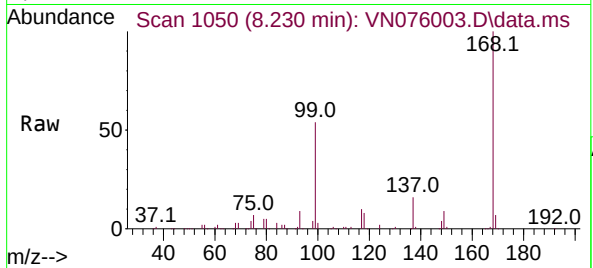




#38
Carbon Tetrachloride
Concen: 6.942 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

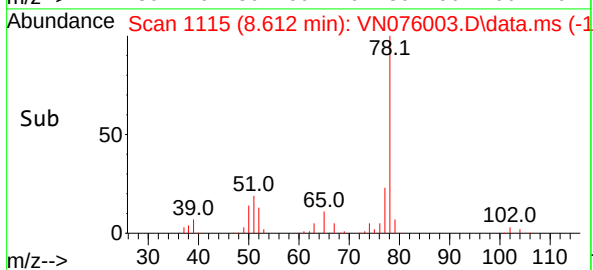
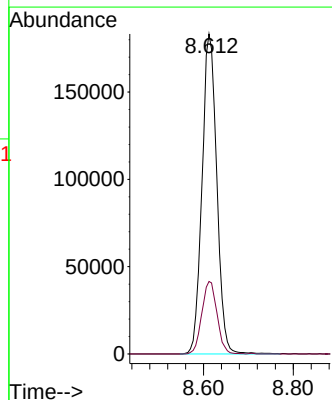
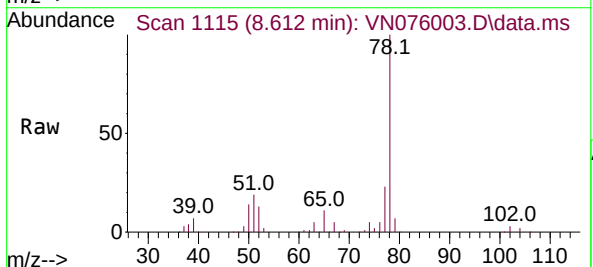
Instrument :
MSVOA_N
ClientSampleId :
SB-5

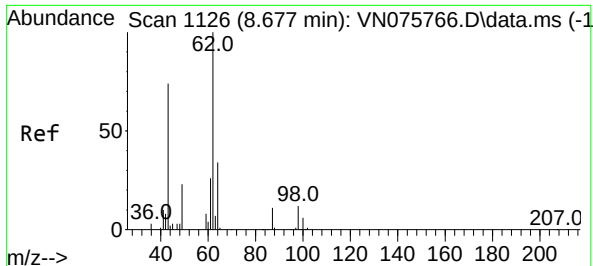
Tgt Ion:117 Resp: 41778
Ion Ratio Lower Upper
117 100
119 3.3 76.1 114.1#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 25.200 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion: 78 Resp: 418068
Ion Ratio Lower Upper
78 100
77 22.6 18.5 27.7





#42

1,2-Dichloroethane

Concen: 0.682 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.065 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

Instrument :

MSVOA_N

ClientSampleId :

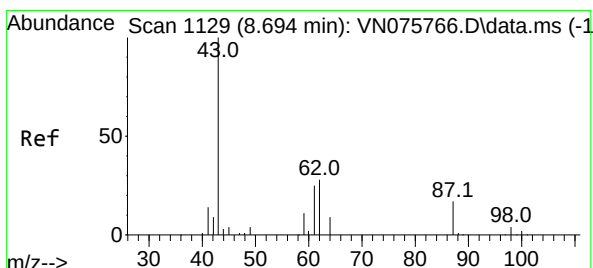
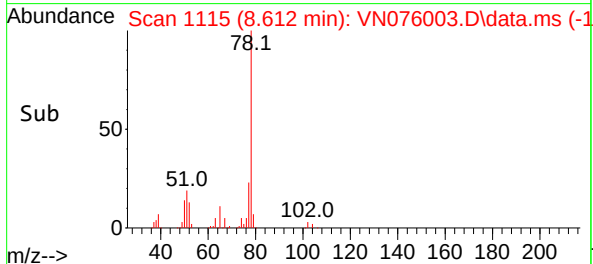
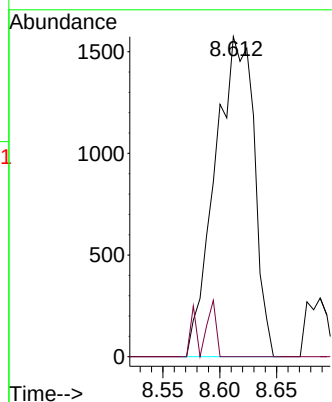
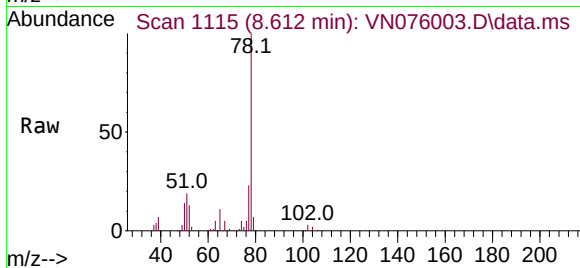
SB-5

Tgt Ion: 62 Resp: 3762

Ion Ratio Lower Upper

62 100

98 4.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 1.981 ug/l

RT: 8.706 min Scan# 1131

Delta R.T. 0.012 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

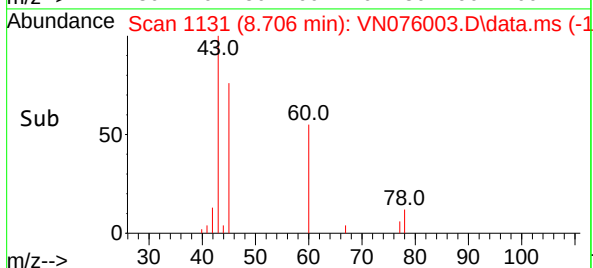
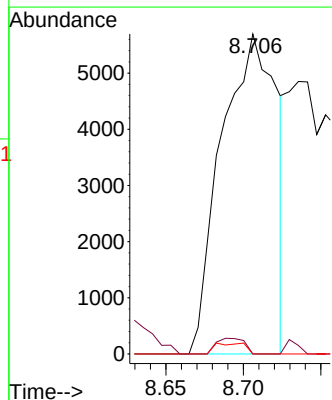
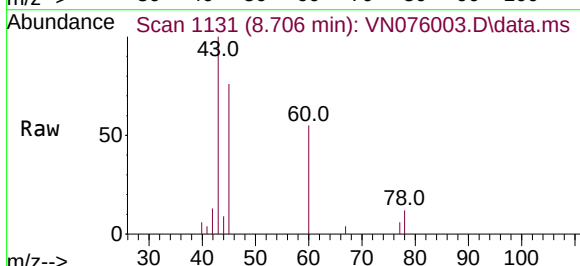
Tgt Ion: 43 Resp: 14116

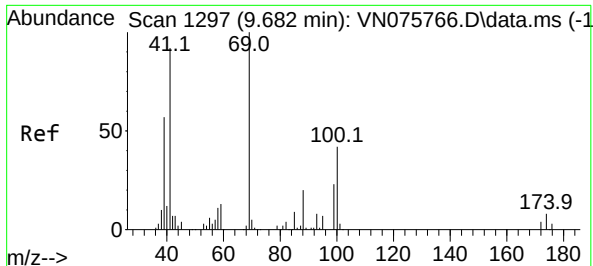
Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.4#

87 0.0 13.3 19.9#





#48

Methyl methacrylate

Concen: 0.409 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

Instrument :

MSVOA_N

ClientSampleId :

SB-5

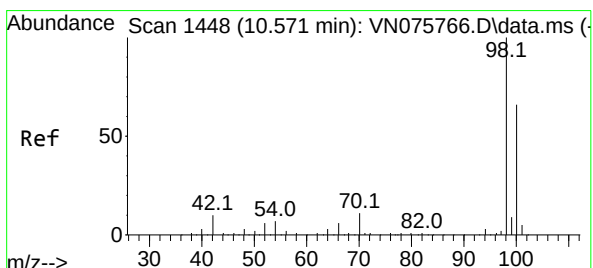
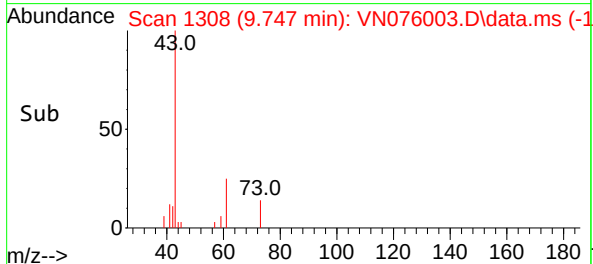
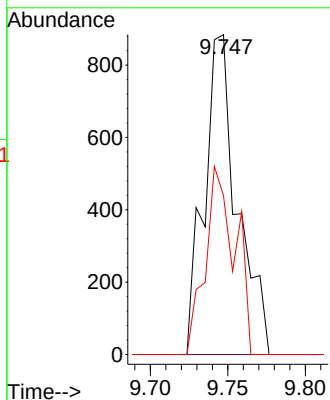
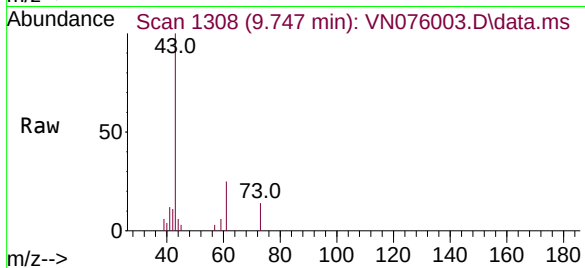
Tgt Ion: 41 Resp: 1312

Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 52.8 51.6 77.4



#50

Toluene-d8

Concen: 49.066 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN076003.D

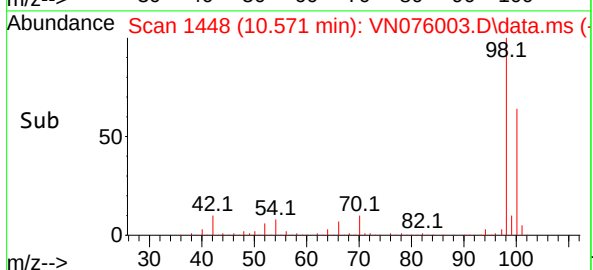
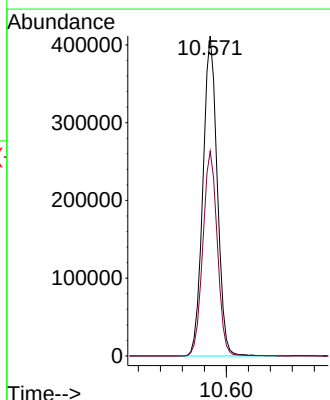
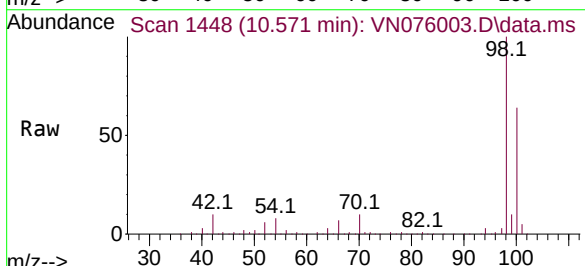
Acq: 28 Dec 2022 16:33

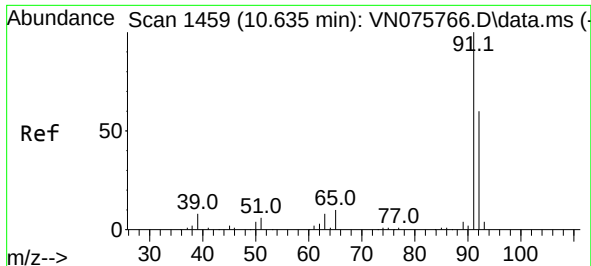
Tgt Ion: 98 Resp: 742566

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1

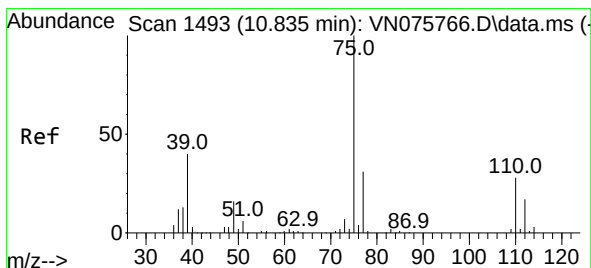
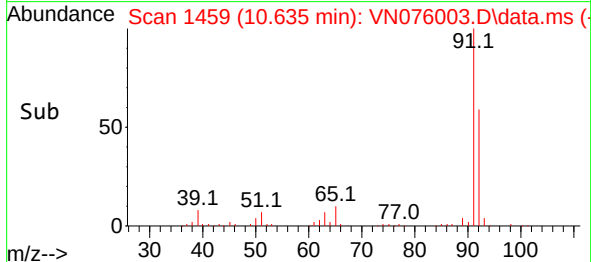
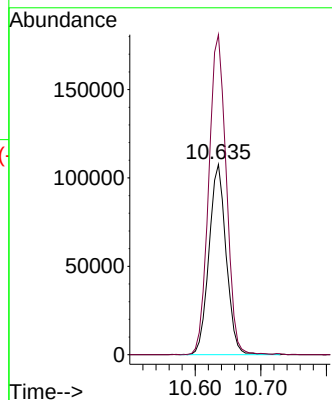
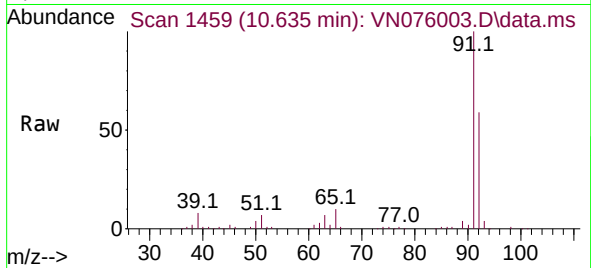




#52
Toluene
Concen: 18.086 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

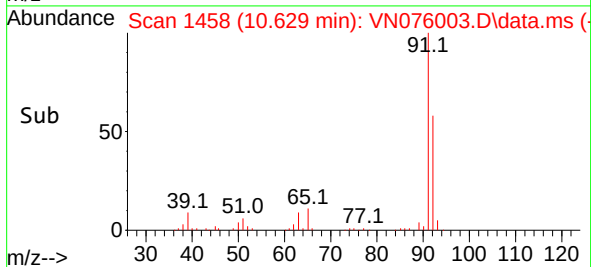
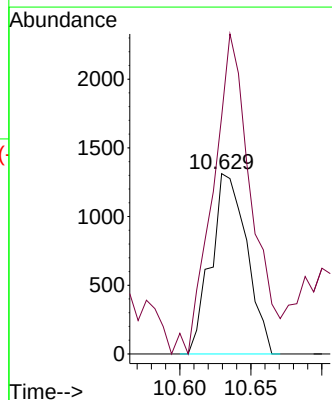
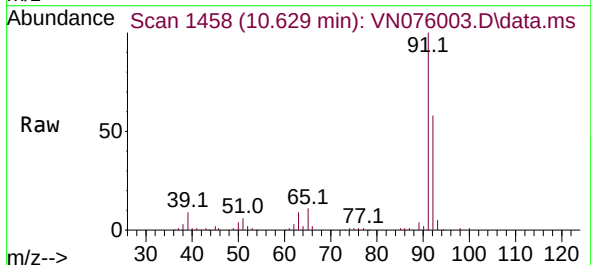
Instrument :
MSVOA_N
ClientSampleId :
SB-5

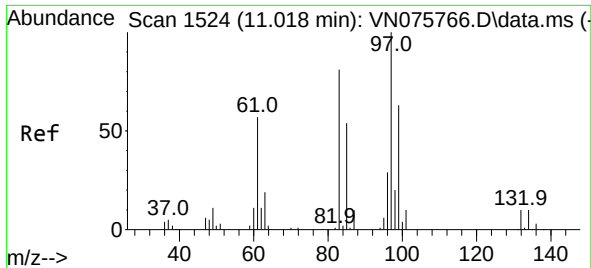
Tgt Ion: 92 Resp: 195414
Ion Ratio Lower Upper
92 100
91 171.8 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.400 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.206 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion: 75 Resp: 2299
Ion Ratio Lower Upper
75 100
77 120.3 24.9 37.3#

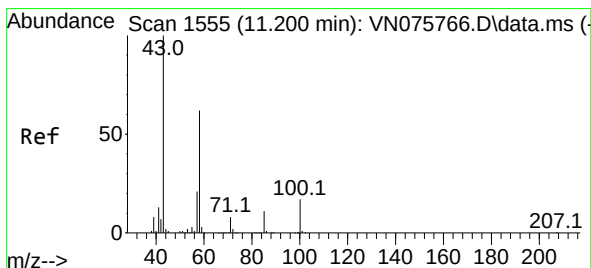
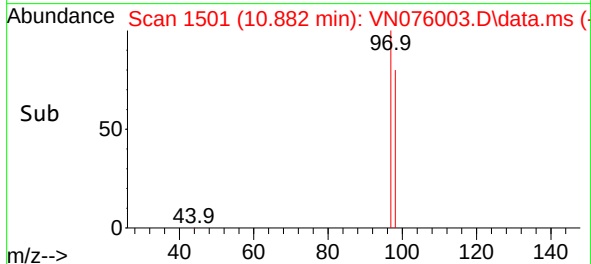
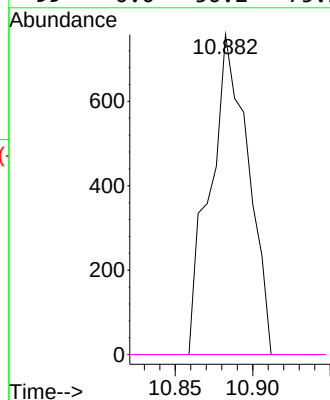
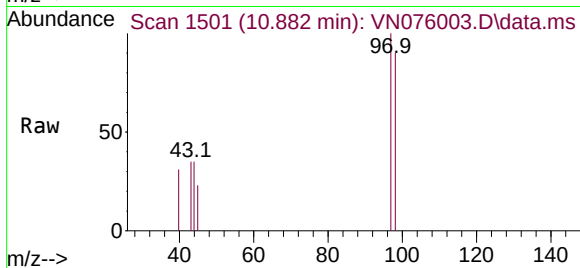




#55
 1,1,2-Trichloroethane
 Concen: 0.305 ug/l
 RT: 10.882 min Scan# 11
 Delta R.T. -0.135 min
 Lab File: VN076003.D
 Acq: 28 Dec 2022 16:33

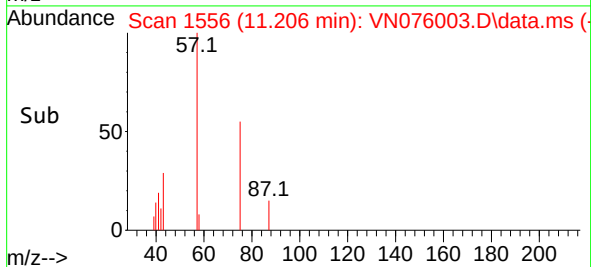
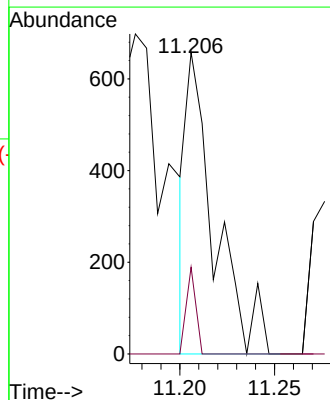
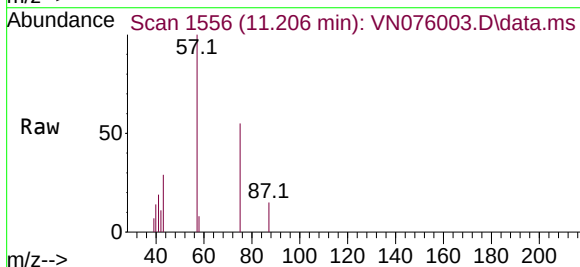
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-5

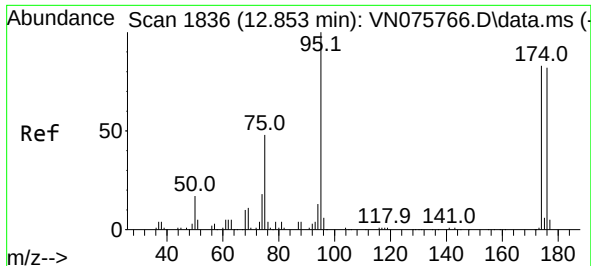
Tgt Ion: 97	Resp:	1294
Ion	Ratio	Lower Upper
97	100	
83	0.0	65.0 97.4#
85	0.0	43.0 64.6#
99	0.0	50.2 75.2#



#59
 2-Hexanone
 Concen: 0.215 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.006 min
 Lab File: VN076003.D
 Acq: 28 Dec 2022 16:33

Tgt Ion: 43	Resp:	677
Ion	Ratio	Lower Upper
43	100	
58	9.9	30.6 92.0#





#62

4-Bromofluorobenzene

Concen: 47.624 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

Instrument :

MSVOA_N

ClientSampleId :

SB-5

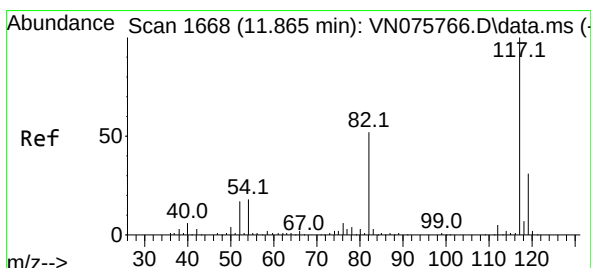
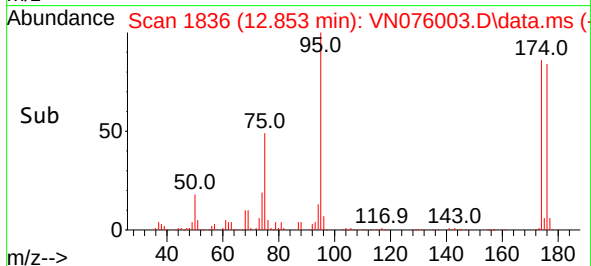
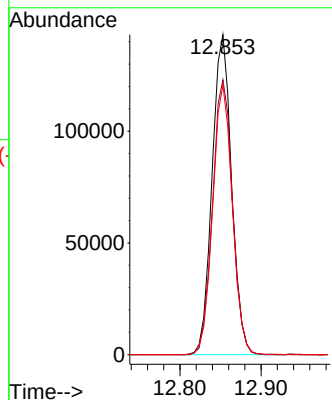
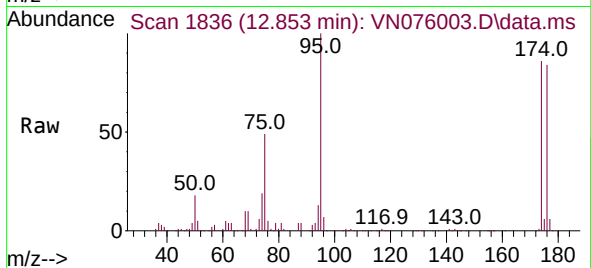
Tgt Ion: 95 Resp: 238714

Ion Ratio Lower Upper

95 100

174 87.9 0.0 171.6

176 84.9 0.0 169.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1669

Delta R.T. 0.006 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

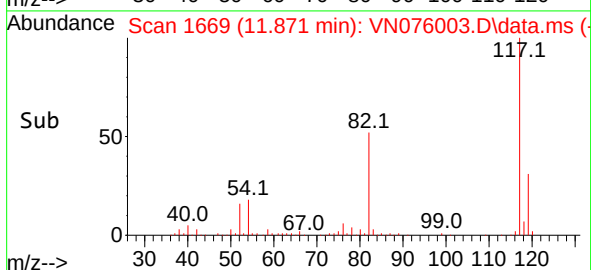
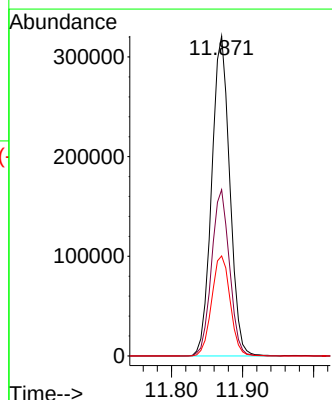
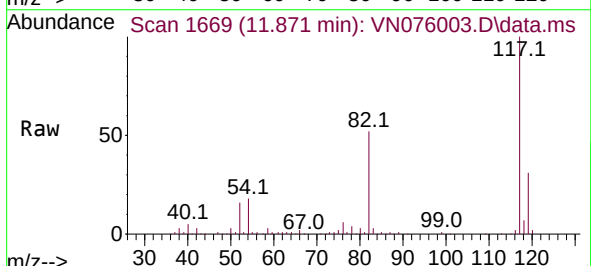
Tgt Ion: 117 Resp: 565719

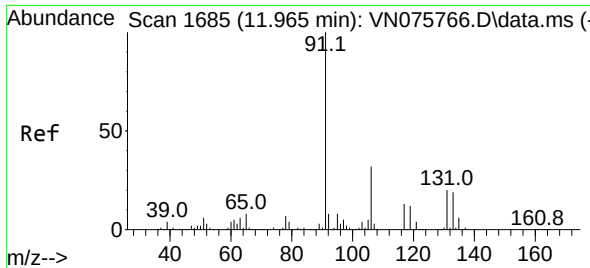
Ion Ratio Lower Upper

117 100

82 52.0 41.3 61.9

119 31.2 24.6 37.0

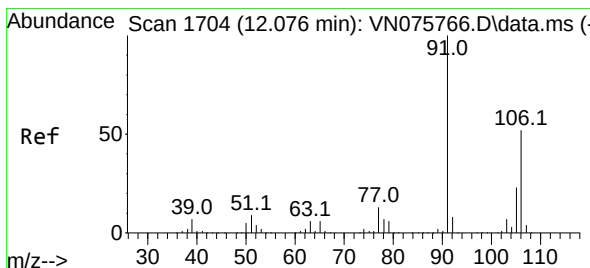
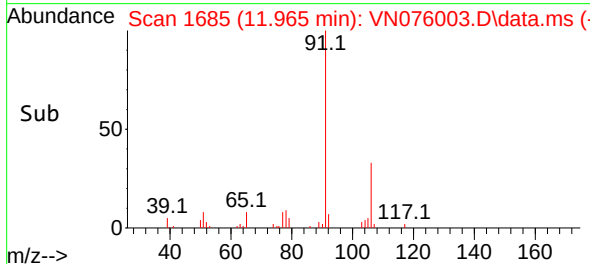
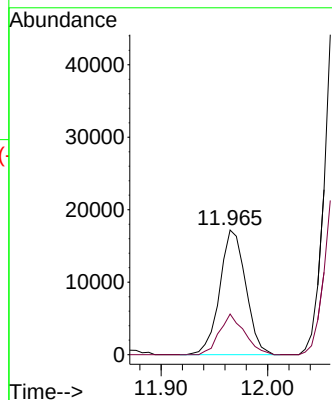
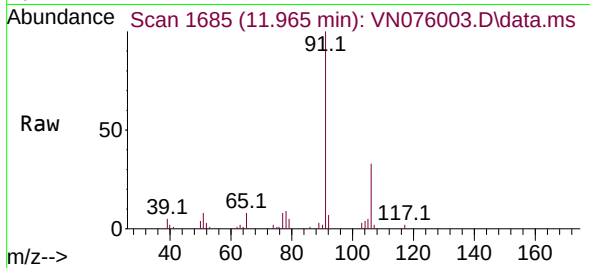




#67
Ethyl Benzene
Concen: 1.487 ug/l
RT: 11.965 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

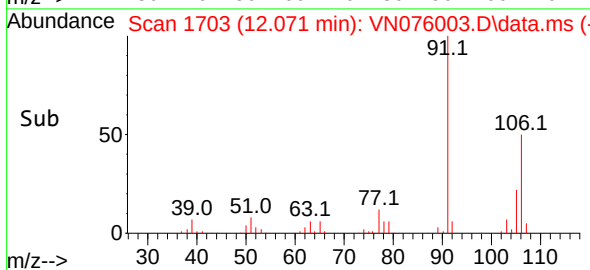
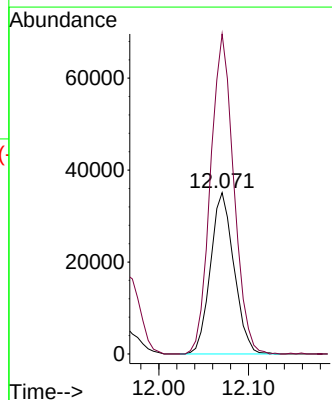
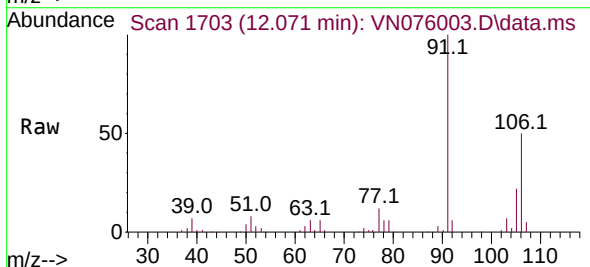
Instrument :
MSVOA_N
ClientSampleId :
SB-5

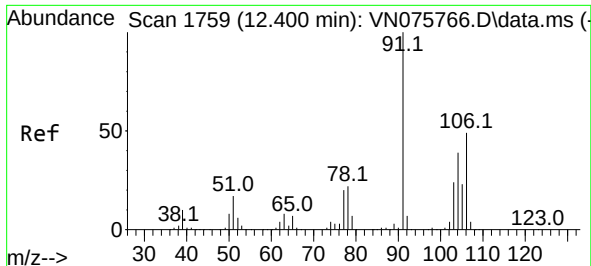
Tgt Ion: 91 Resp: 29133
Ion Ratio Lower Upper
91 100
106 32.6 25.7 38.5



#68
m/p-Xylenes
Concen: 8.223 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion: 106 Resp: 63782
Ion Ratio Lower Upper
106 100
91 196.5 156.6 235.0

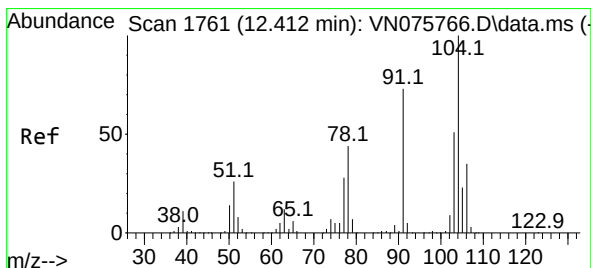
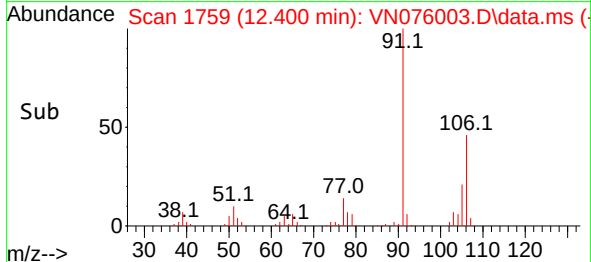
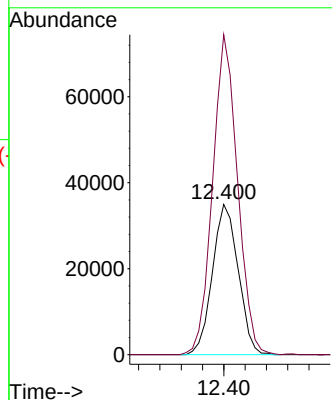
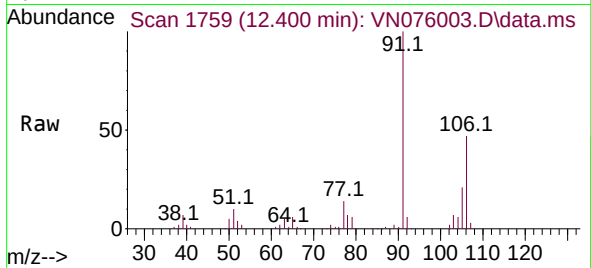




#69
o-Xylene
Concen: 7.650 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

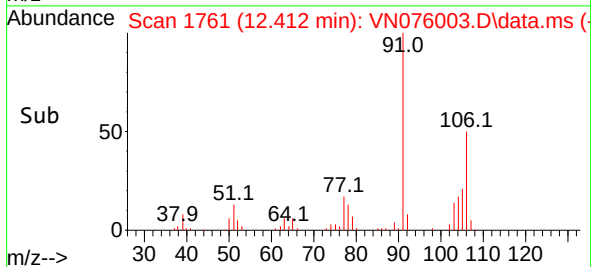
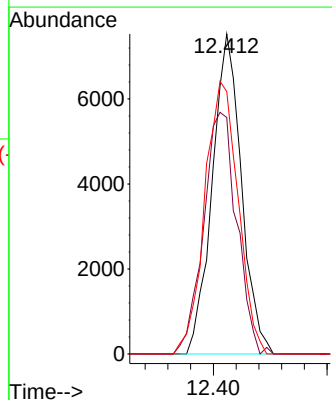
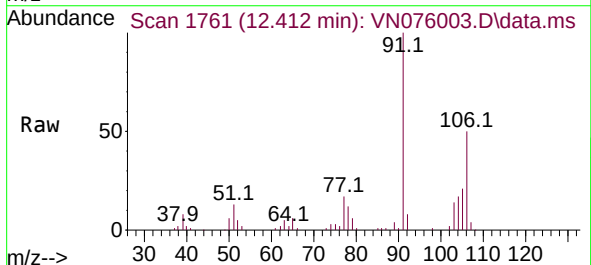
Instrument :
MSVOA_N
ClientSampleId :
SB-5

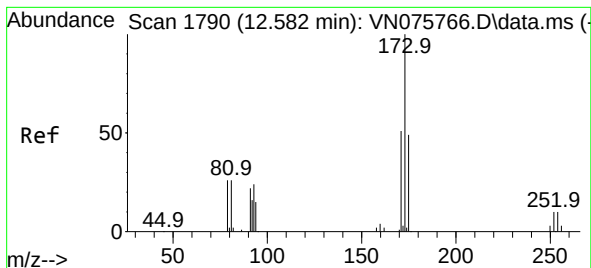
Tgt Ion:106 Resp: 58722
Ion Ratio Lower Upper
106 100
91 205.5 103.8 311.6



#70
Styrene
Concen: 1.099 ug/l
RT: 12.412 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion:104 Resp: 13410
Ion Ratio Lower Upper
104 100
78 86.1 37.5 56.3#
103 97.3 43.5 65.3#





#71

Bromoform

Concen: 0.629 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

Instrument :

MSVOA_N

ClientSampleId :

SB-5

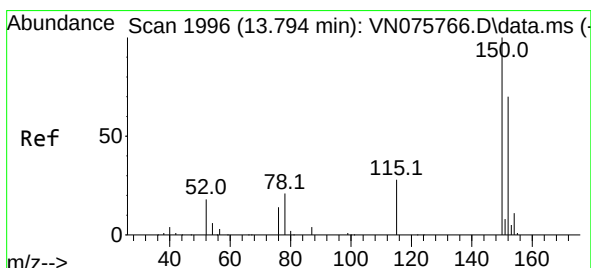
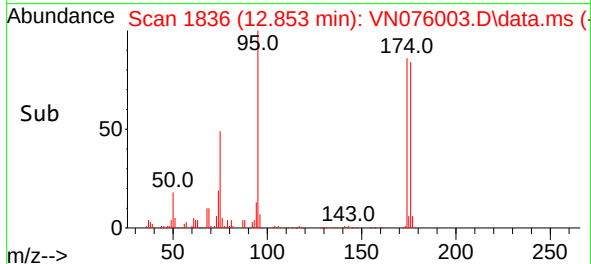
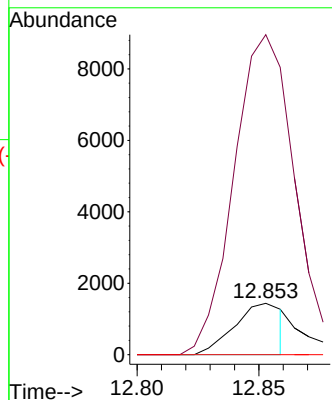
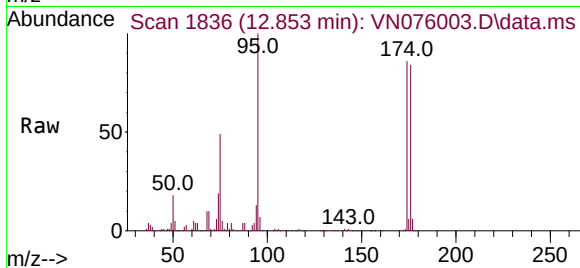
Tgt Ion:173 Resp: 1970

Ion Ratio Lower Upper

173 100

175 631.2 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076003.D

Acq: 28 Dec 2022 16:33

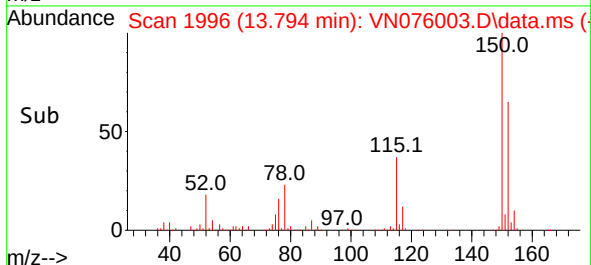
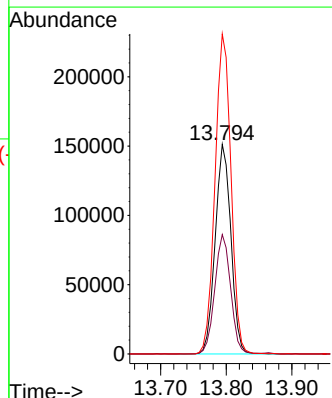
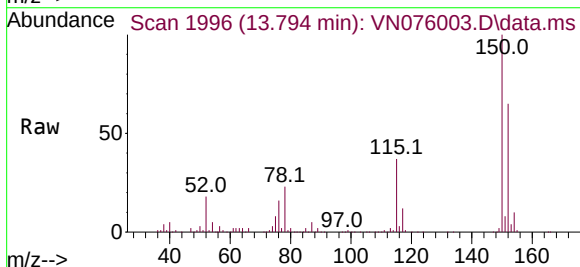
Tgt Ion:152 Resp: 250886

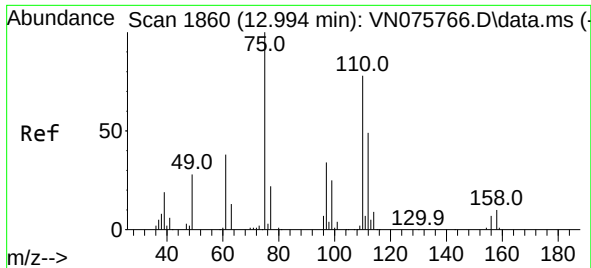
Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.4

150 155.0 0.0 347.0

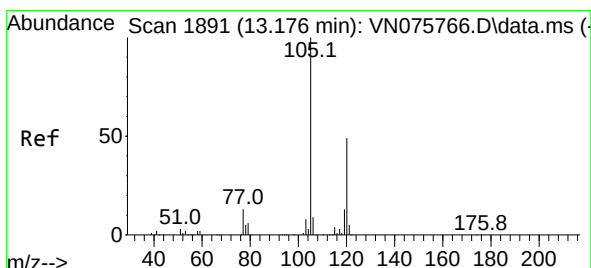
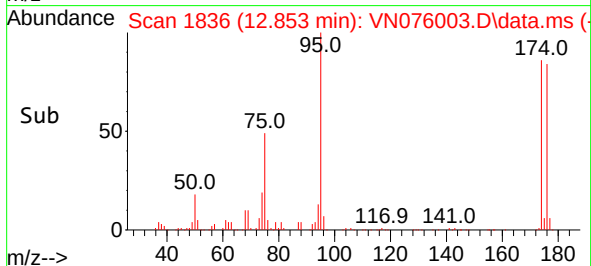
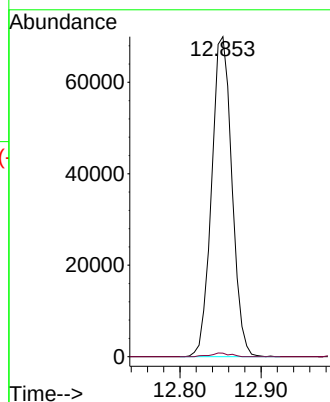
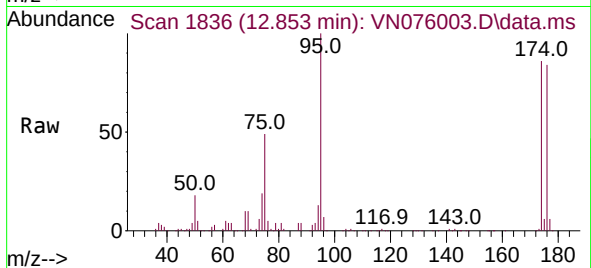




#76
1,2,3-Trichloropropane
Concen: 24.021 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

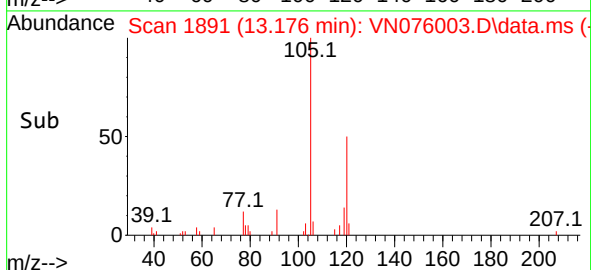
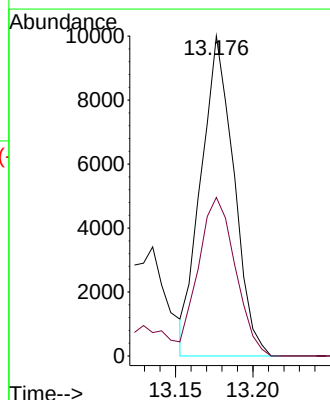
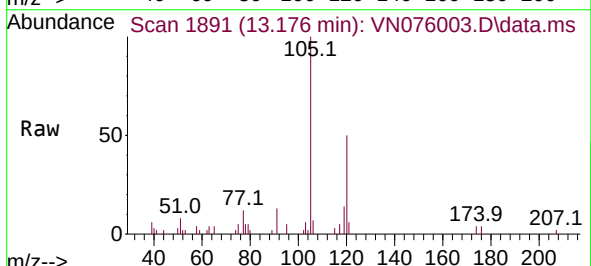
Instrument :
MSVOA_N
ClientSampleId :
SB-5

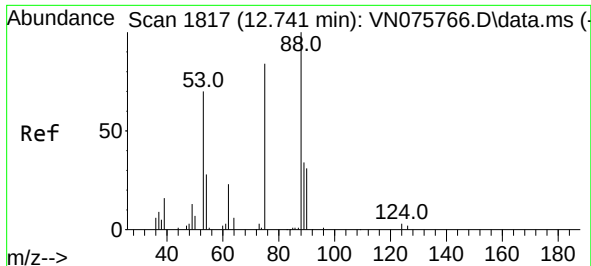
Tgt Ion: 75 Resp: 121480
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.971 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion: 105 Resp: 14727
Ion Ratio Lower Upper
105 100
120 55.5 24.7 74.1

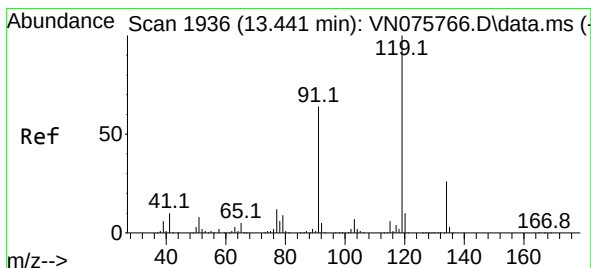
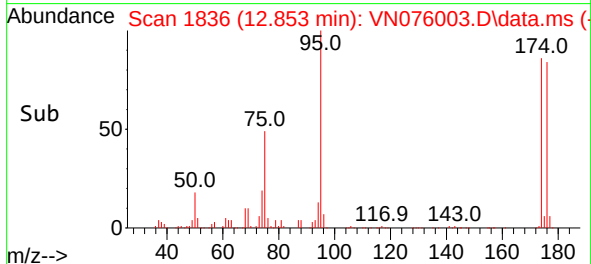
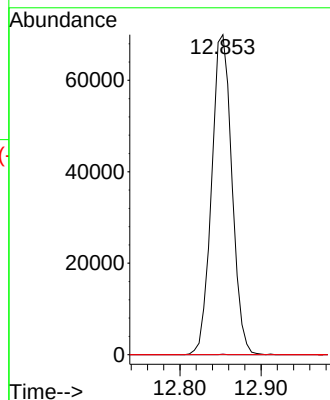
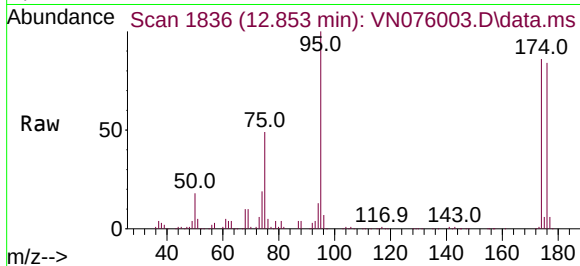




#81
trans-1,4-Dichloro-2-butene
Concen: 86.463 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

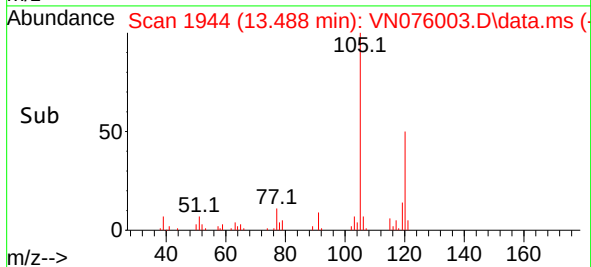
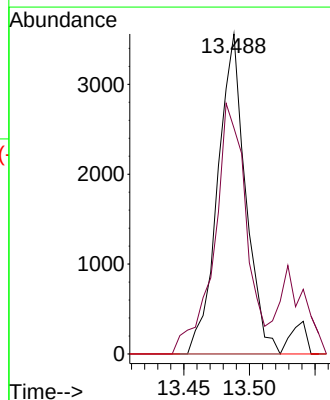
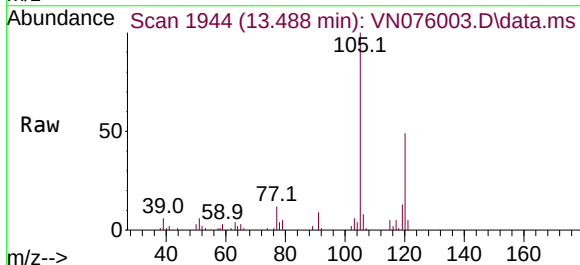
Instrument :
MSVOA_N
ClientSampleId :
SB-5

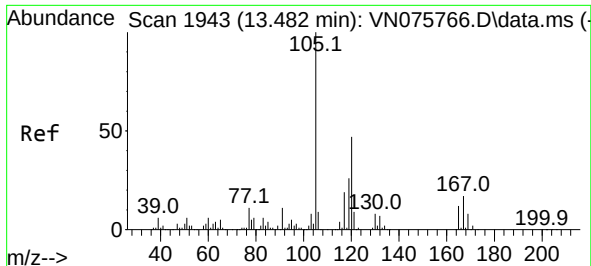
Tgt Ion: 75 Resp: 121480
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#83
tert-Butylbenzene
Concen: 0.395 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.047 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion: 119 Resp: 5283
Ion Ratio Lower Upper
119 100
91 88.8 31.9 95.5
134 0.0 13.8 41.4#

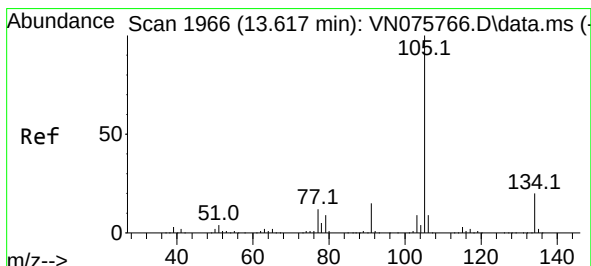
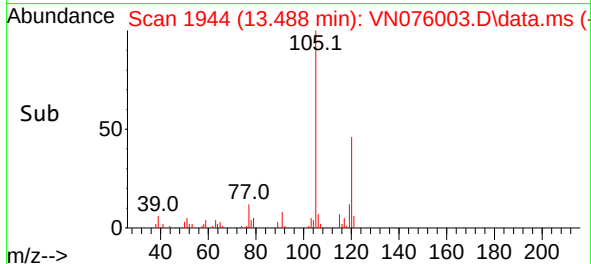
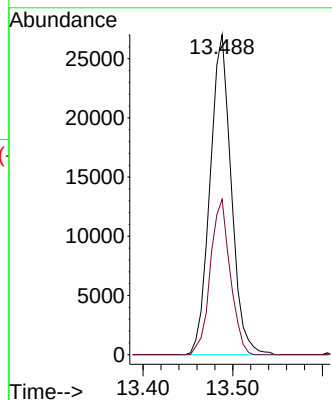
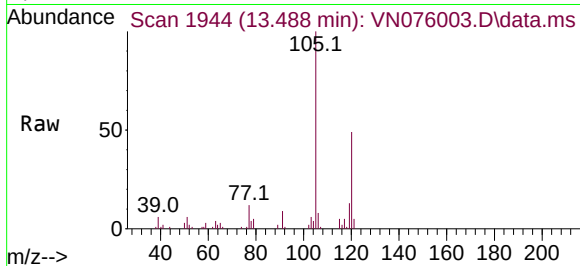




#84
1,2,4-Trimethylbenzene
Concen: 2.946 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

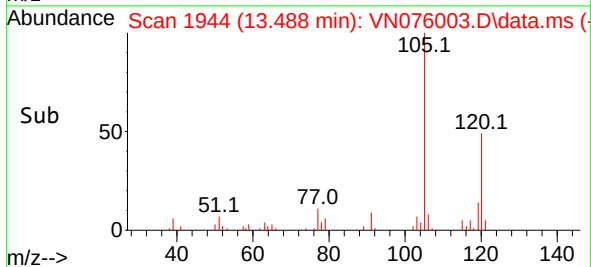
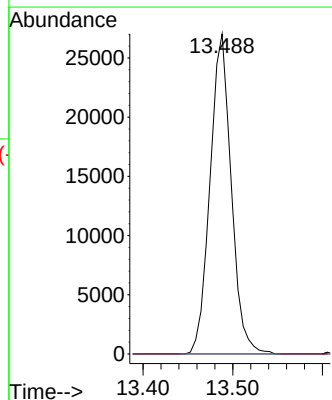
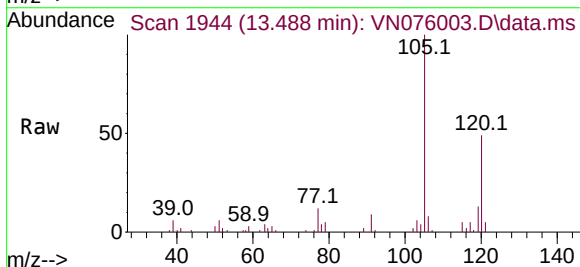
Instrument :
MSVOA_N
ClientSampleId :
SB-5

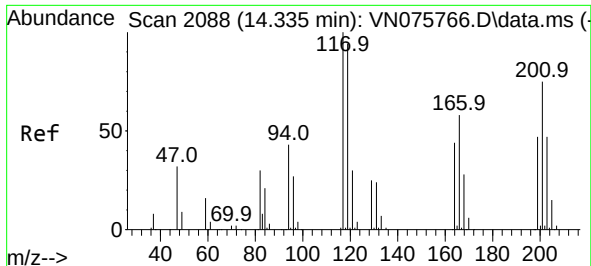
Tgt Ion:105 Resp: 44341
Ion Ratio Lower Upper
105 100
120 45.4 23.3 69.8



#85
sec-Butylbenzene
Concen: 2.401 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. -0.129 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion:105 Resp: 44341
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

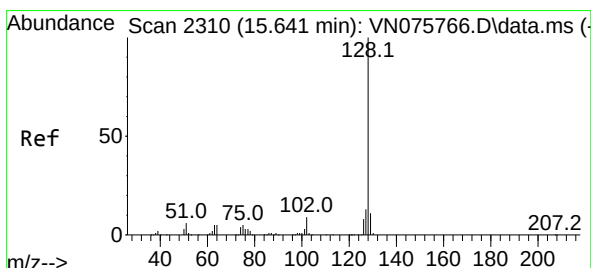
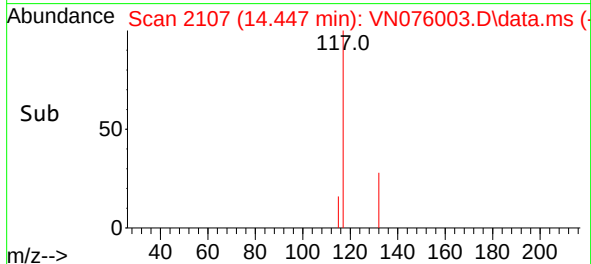
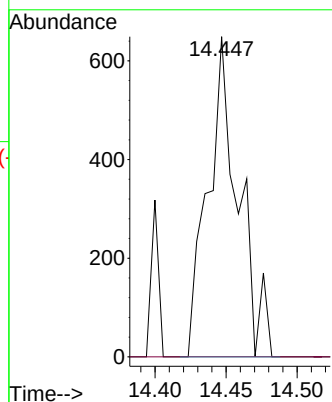
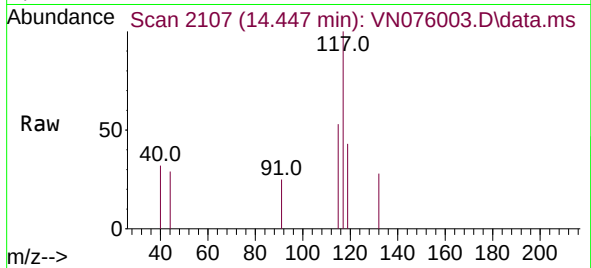




#90
Hexachloroethane
Concen: 0.352 ug/l
RT: 14.447 min Scan# 2107
Delta R.T. 0.112 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Instrument :
MSVOA_N
ClientSampleId :
SB-5

Tgt Ion:117 Resp: 968
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.1#



#95
Naphthalene
Concen: 18.056 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076003.D
Acq: 28 Dec 2022 16:33

Tgt Ion:128 Resp: 226674
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.9 8.7 13.1

