

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081621\
 Data File : VN068126.D
 Acq On : 16 Aug 2021 19:28
 Operator : JC/MD
 Sample : PB138399ZHE#15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138399ZHE#15

Quant Time: Aug 17 07:17:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

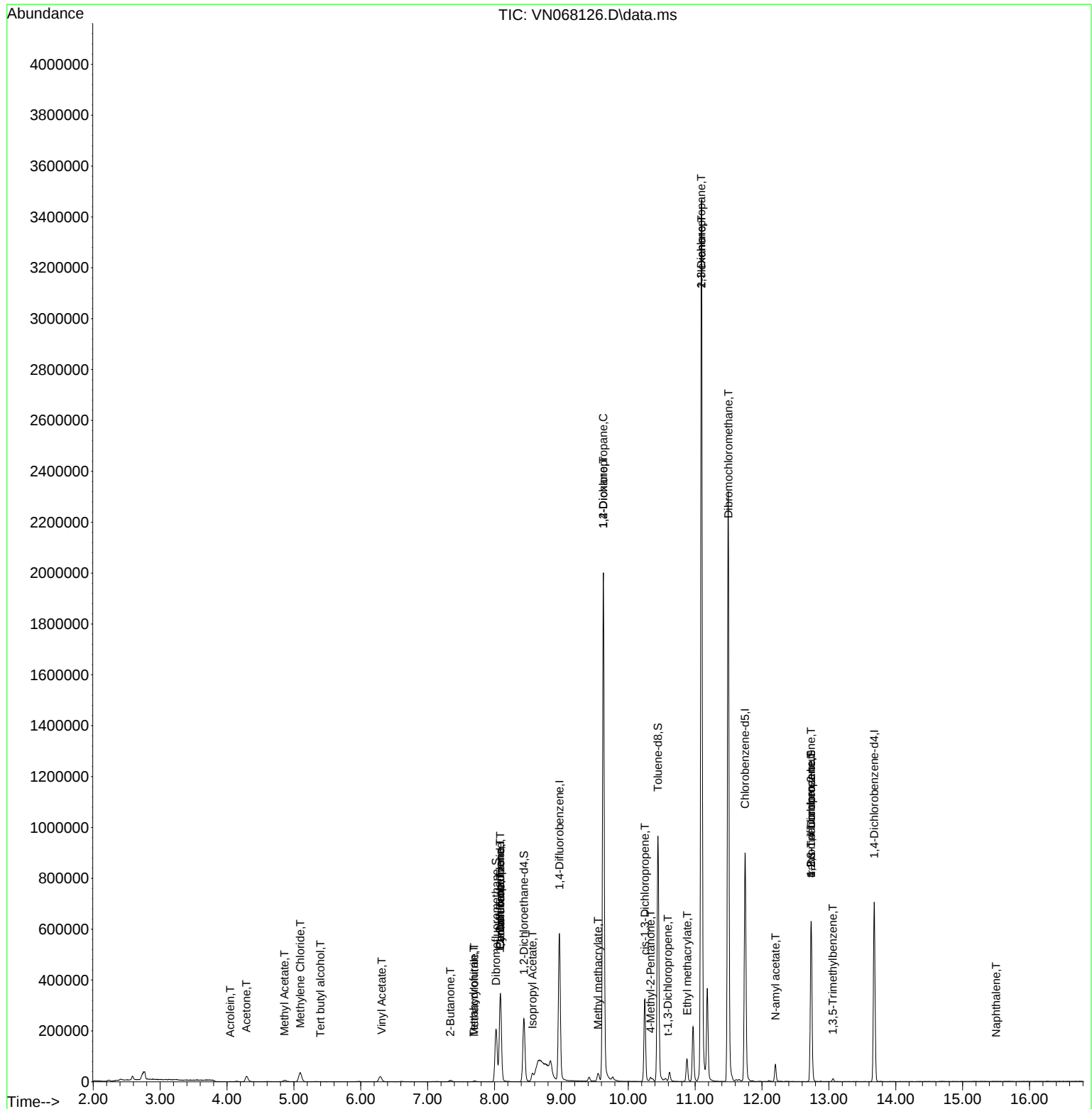
Internal Standards						
1) Pentafluorobenzene	8.088	168	244901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	500641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	510898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	180060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	207769	59.928	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 119.860%			
35) Dibromofluoromethane	8.024	113	152953	52.423	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.840%			
50) Toluene-d8	10.443	98	685575	50.844	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.733	95	221875	45.513	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.020%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.396	59	209	0.450	ug/l #	71
13) Acrolein	4.046	56	144	0.457	ug/l #	80
16) Acetone	4.291	43	40441	31.969	ug/l	96
18) Methyl Acetate	4.856	43	5722	1.783	ug/l #	64
20) Methylene Chloride	5.095	84	28265	9.446	ug/l	90
23) Vinyl Acetate	6.313	43	163	8.819	ug/l #	75
25) 2-Butanone	7.340	43	3138	1.710	ug/l #	88
29) Tetrahydrofuran	7.691	42	2369	2.016	ug/l #	77
31) Cyclohexane	8.088	56	6765	1.323	ug/l #	24
36) 1,1-Dichloropropene	8.083	75	22795	4.922	ug/l #	45
38) Carbon Tetrachloride	8.088	117	28052	6.160	ug/l #	16
41) Methacrylonitrile	7.697	41	686	0.330	ug/l #	39
43) Isopropyl Acetate	8.568	43	36657	5.047	ug/l #	92
45) 1,2-Dichloropropane	9.628	63	2018	0.591	ug/l #	44
48) Methyl methacrylate	9.550	41	7950	4.399	ug/l #	12
49) 1,4-Dioxane	9.628	88	213	3.687	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	10636	14.475	ug/l	100
53) t-1,3-Dichloropropene	10.593	75	25	2.837	ug/l #	43
54) cis-1,3-Dichloropropene	10.247	75	57416	11.186	ug/l #	60
56) Ethyl methacrylate	10.880	69	1013	3.252	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	35982	6.389	ug/l #	43
59) 2-Hexanone	11.095	43	537890	148.308	ug/l #	54
60) Dibromochloromethane	11.500	129	370	3.383	ug/l #	11
74) N-amyl acetate	12.200	43	20340	3.983	ug/l #	58
76) 1,2,3-Trichloropropane	12.733	75	126897	35.092	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.061	105	6278	0.527	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.733	75	126897	93.951	ug/l #	6
95) Naphthalene	15.501	128	182	3.143	ug/l #	69

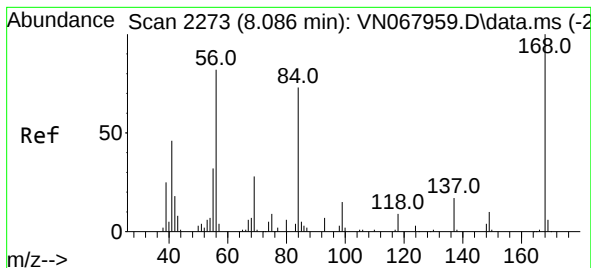
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN068126.D

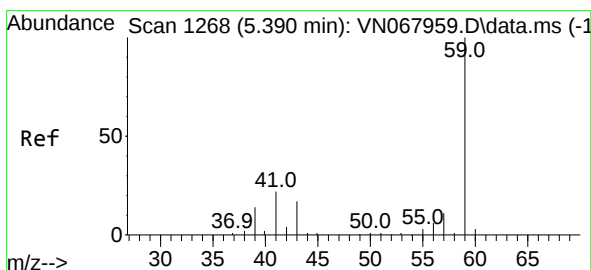
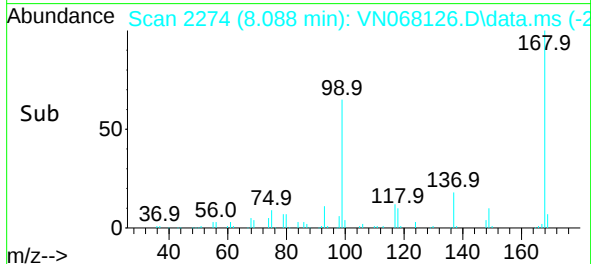
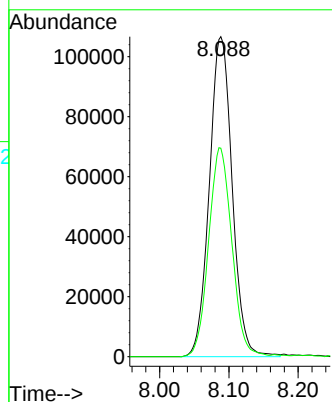
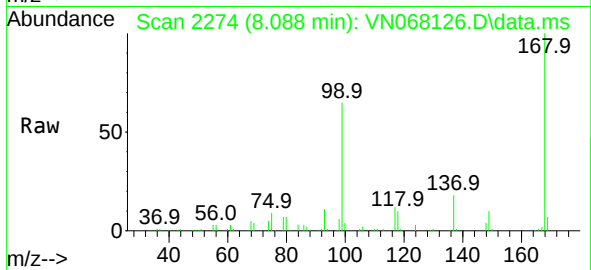
Acq: 16 Aug 2021 19:28

Tgt Ion:168 Resp: 244901

Ion Ratio Lower Upper

168 100

99 65.2 62.9 94.3



#11

Tert butyl alcohol

Concen: 0.450 ug/l

RT: 5.396 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VN068126.D

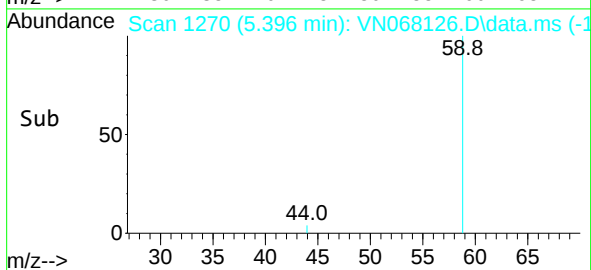
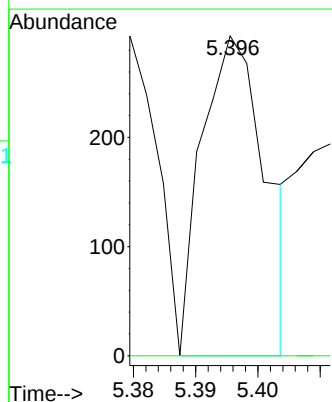
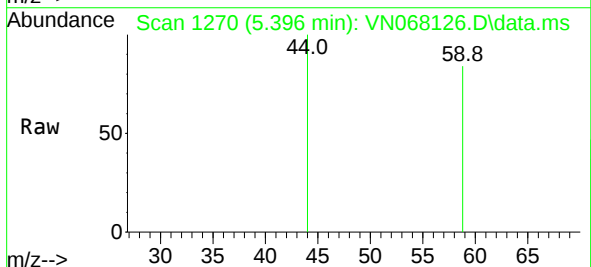
Acq: 16 Aug 2021 19:28

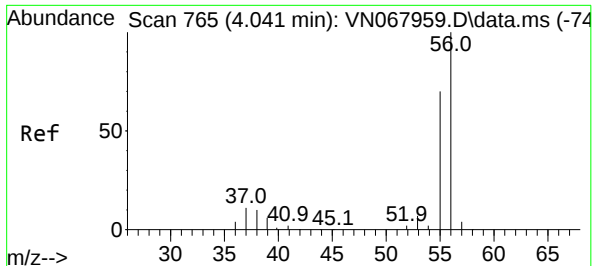
Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

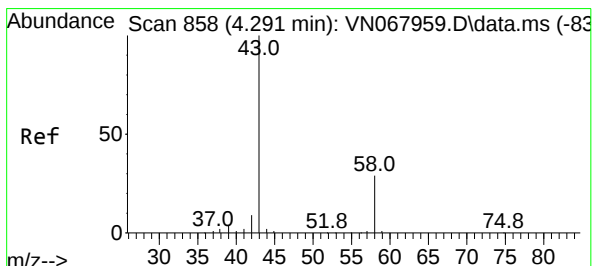
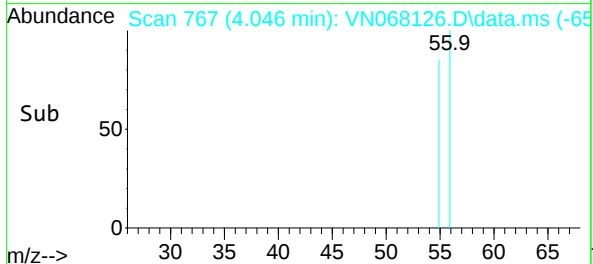
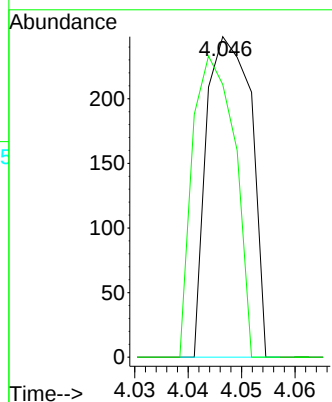
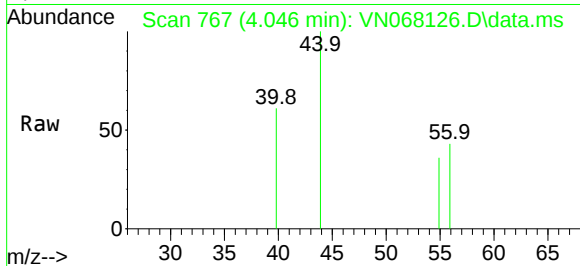




#13
Acrolein
Concen: 0.457 ug/l
RT: 4.046 min Scan# 767
Delta R.T. 0.005 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

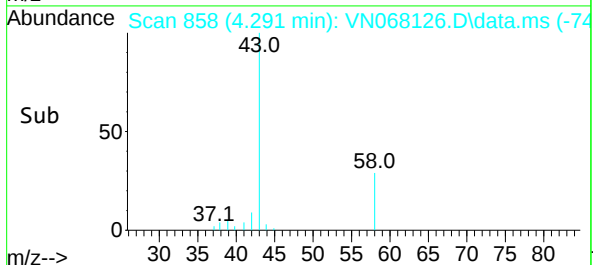
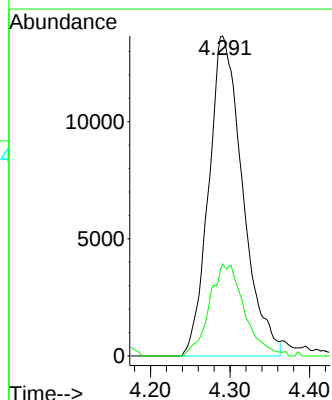
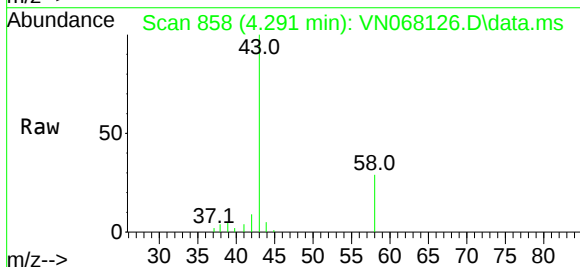
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

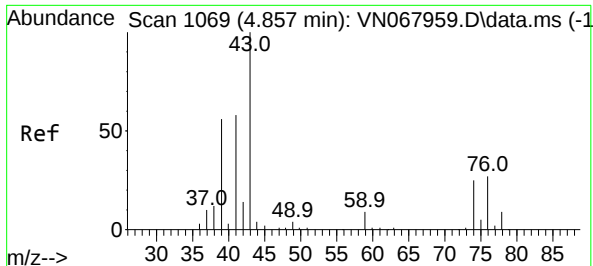
Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 88.2 57.4 86.0#



#16
Acetone
Concen: 31.969 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 43 Resp: 40441
Ion Ratio Lower Upper
43 100
58 28.7 21.2 31.8





#18

Methyl Acetate

Concen: 1.783 ug/l

RT: 4.856 min Scan# 1069

Delta R.T. -0.001 min

Lab File: VN068126.D

Acq: 16 Aug 2021 19:28

Instrument :

MSVOA_N

ClientSampleId :

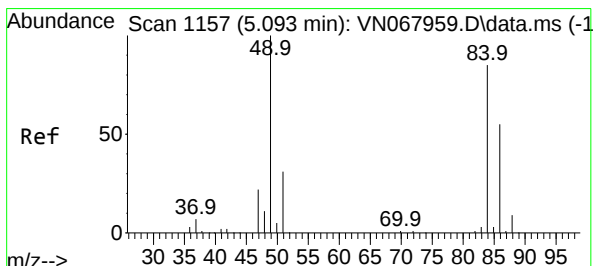
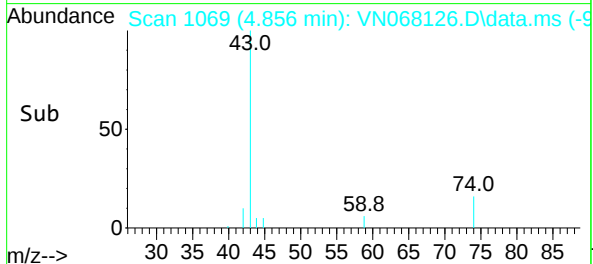
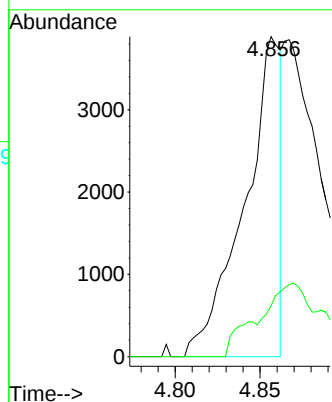
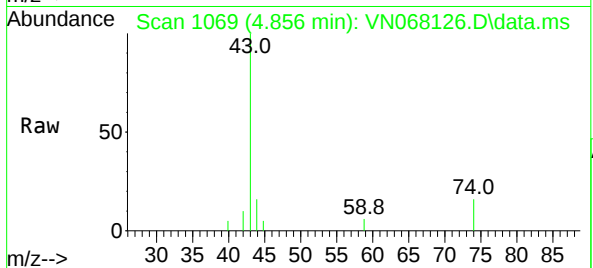
PB138399ZHE#15

Tgt Ion: 43 Resp: 5722

Ion Ratio Lower Upper

43 100

74 38.9 17.4 26.0#



#20

Methylene Chloride

Concen: 9.446 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.002 min

Lab File: VN068126.D

Acq: 16 Aug 2021 19:28

Tgt Ion: 84 Resp: 28265

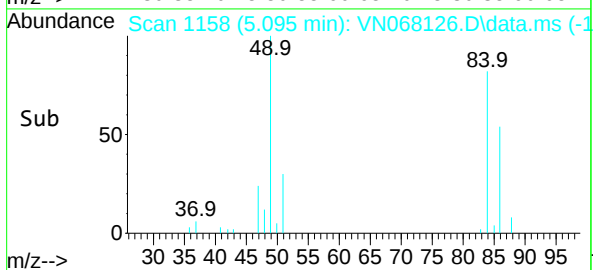
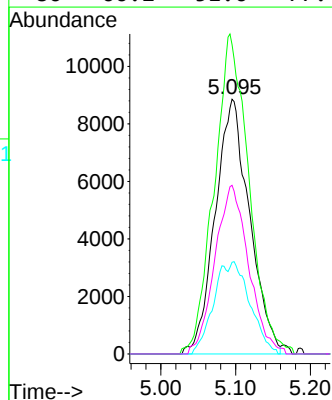
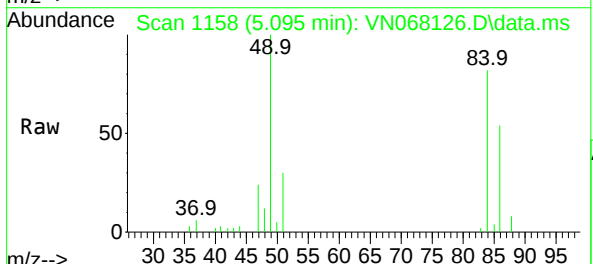
Ion Ratio Lower Upper

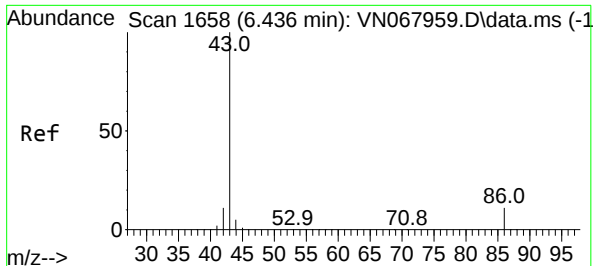
84 100

49 121.5 110.9 166.3

51 36.0 32.6 49.0

86 66.2 51.6 77.4

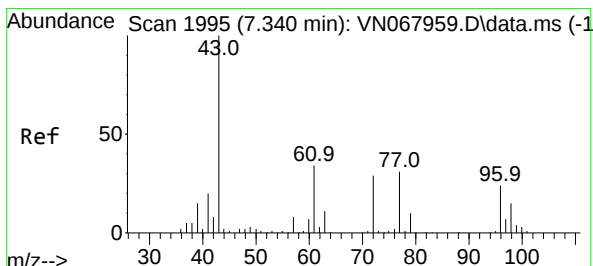
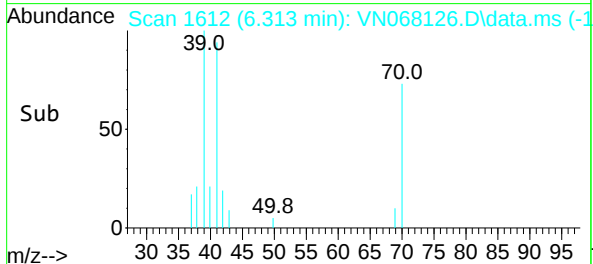
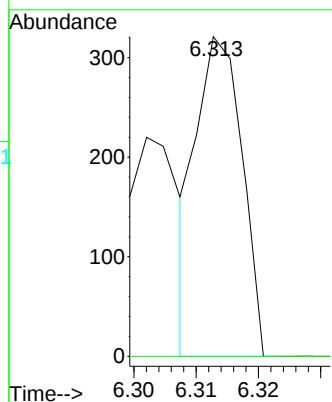
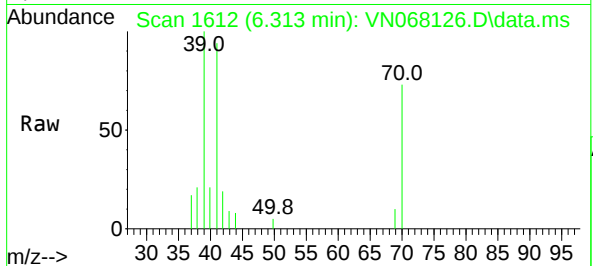




#23
 Vinyl Acetate
 Concen: 8.819 ug/l
 RT: 6.313 min Scan# 1612
 Delta R.T. -0.123 min
 Lab File: VN068126.D
 Acq: 16 Aug 2021 19:28

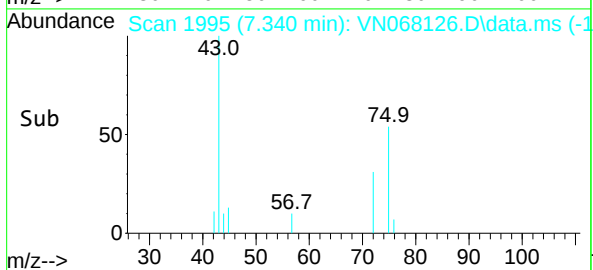
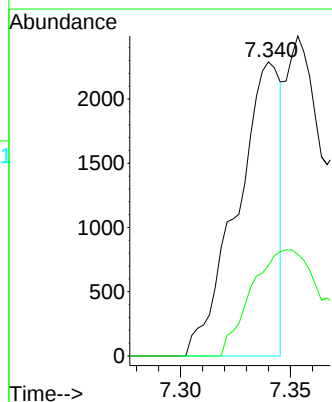
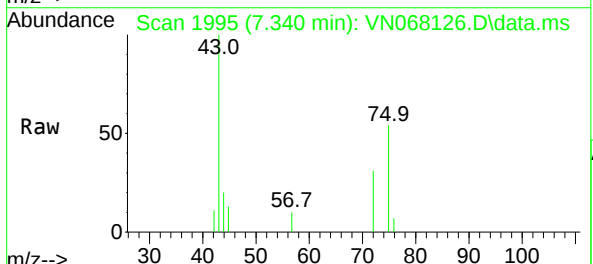
Instrument :
 MSVOA_N
 ClientSampleId :
 PB138399ZHE#15

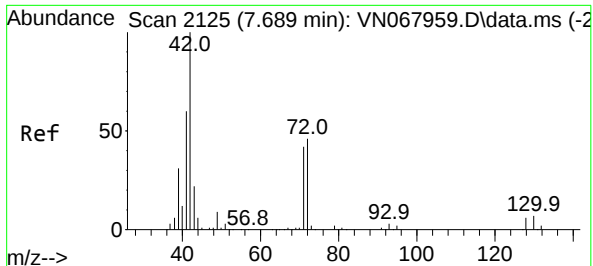
Tgt Ion: 43 Resp: 163
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.3 10.9#



#25
 2-Butanone
 Concen: 1.710 ug/l
 RT: 7.340 min Scan# 1995
 Delta R.T. -0.000 min
 Lab File: VN068126.D
 Acq: 16 Aug 2021 19:28

Tgt Ion: 43 Resp: 3138
 Ion Ratio Lower Upper
 43 100
 72 30.7 19.7 29.5#





#29

Tetrahydrofuran

Concen: 2.016 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.002 min

Lab File: VN068126.D

Acq: 16 Aug 2021 19:28

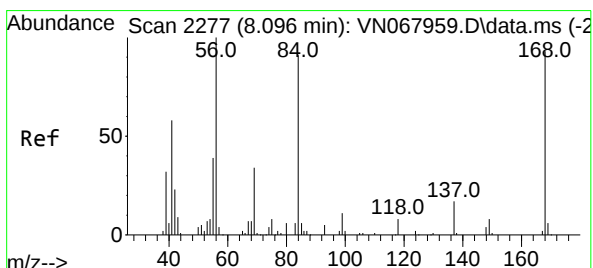
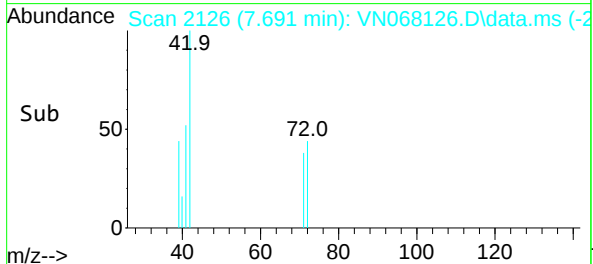
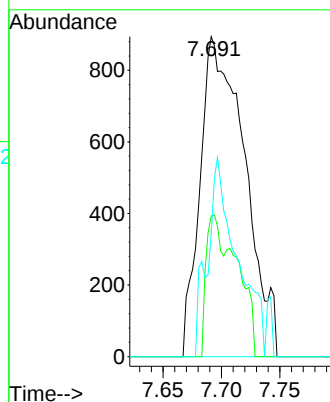
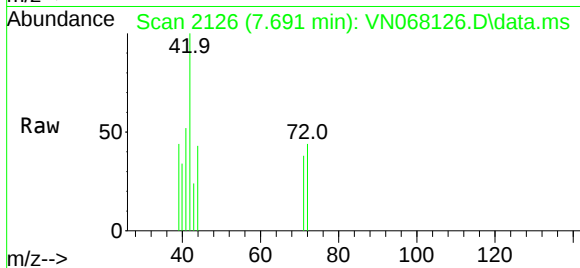
Instrument :

MSVOA_N

ClientSampleId :

PB138399ZHE#15

Tgt Ion:	42	Resp:	2369
Ion	Ratio	Lower	Upper
42	100		
72	15.7	32.8	49.2#
71	36.6	31.2	46.8



#31

Cyclohexane

Concen: 1.323 ug/l

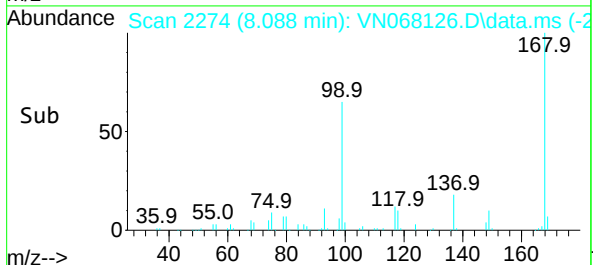
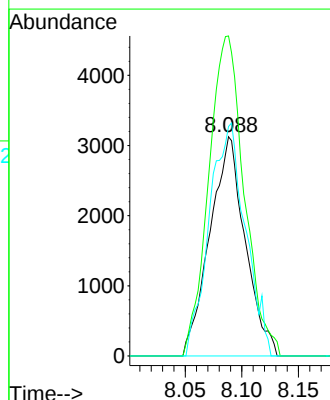
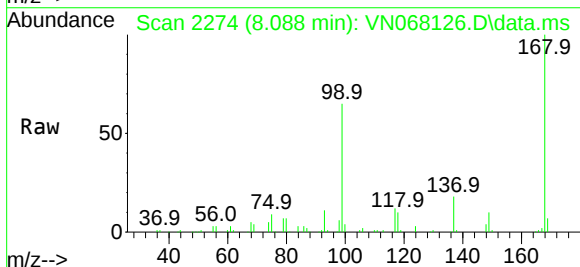
RT: 8.088 min Scan# 2274

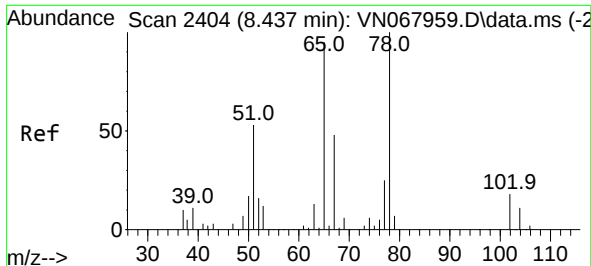
Delta R.T. -0.008 min

Lab File: VN068126.D

Acq: 16 Aug 2021 19:28

Tgt Ion:	56	Resp:	6765
Ion	Ratio	Lower	Upper
56	100		
69	146.0	27.3	40.9#
84	104.7	64.9	97.3#



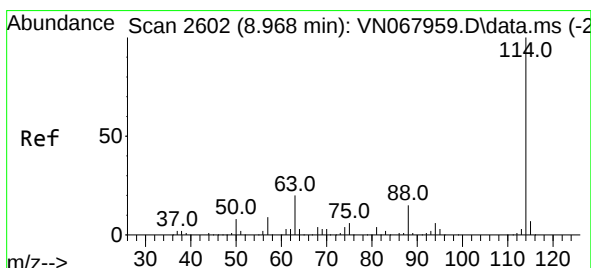
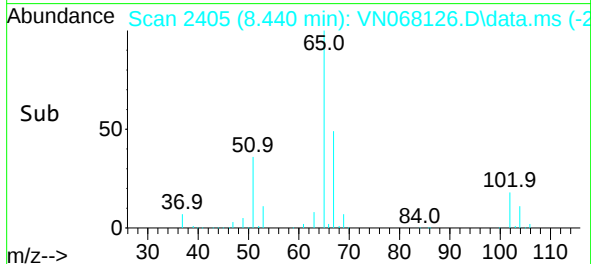
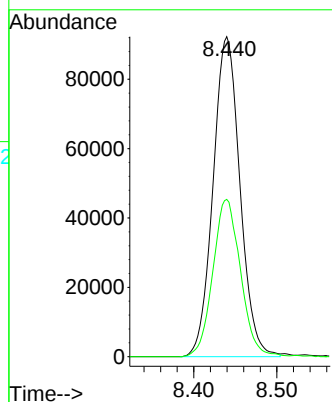
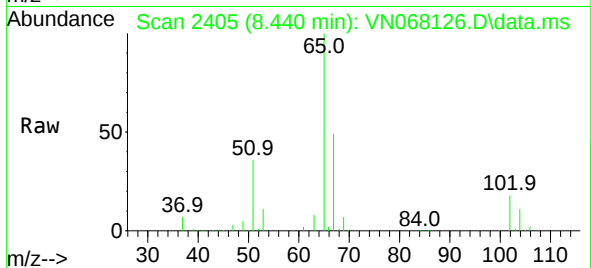


#33

1,2-Dichloroethane-d4
Concen: 59.928 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068126.D
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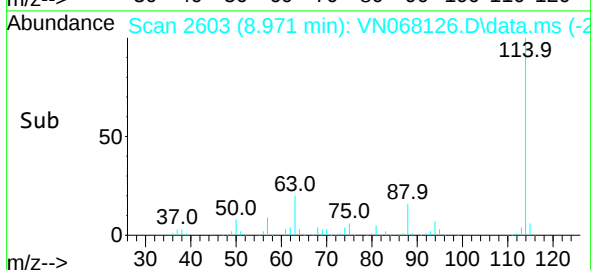
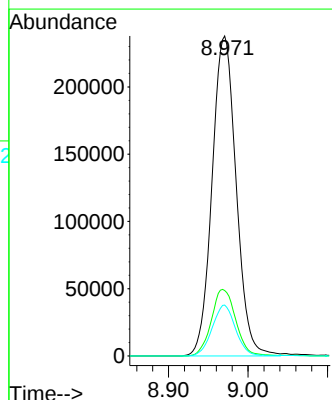
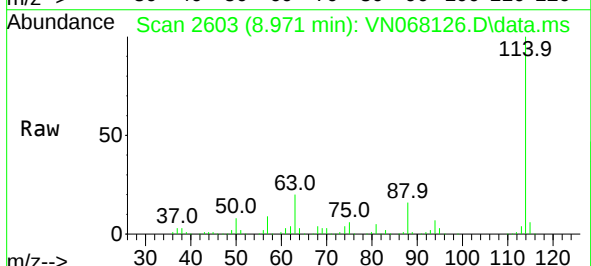
Tgt Ion: 65 Resp: 207769
Ion Ratio Lower Upper
65 100
67 50.5 0.0 98.6

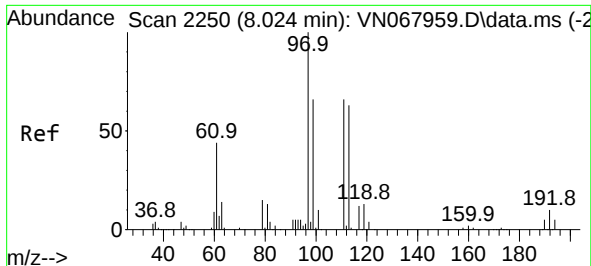


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 114 Resp: 500641
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 15.9 0.0 36.6

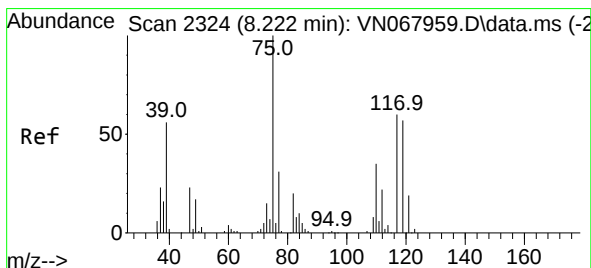
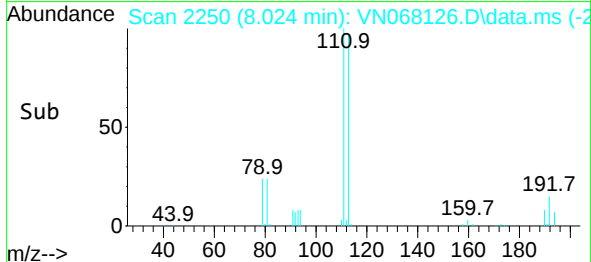
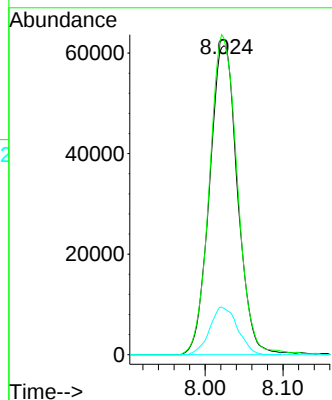
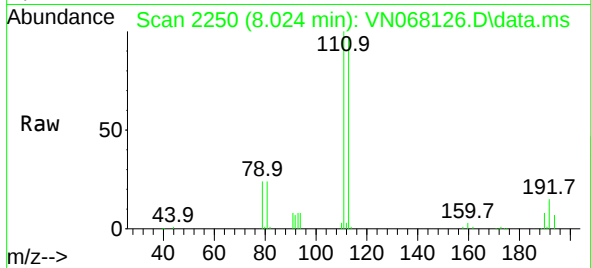




#35
Dibromofluoromethane
Concen: 52.423 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

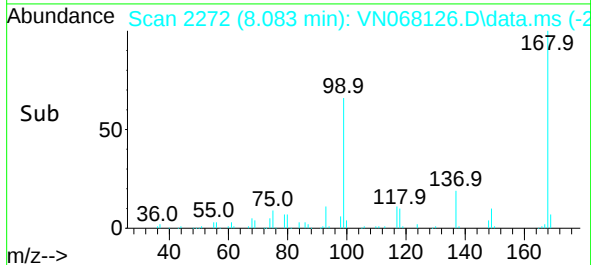
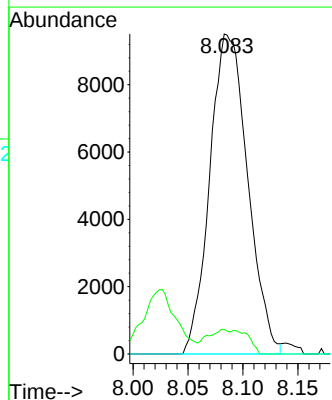
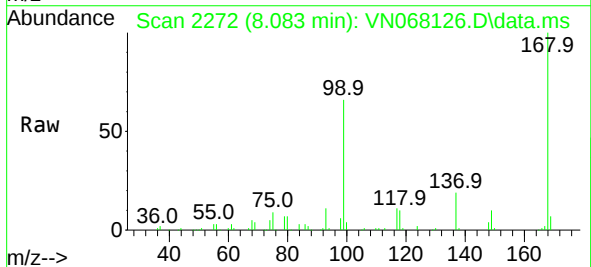
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

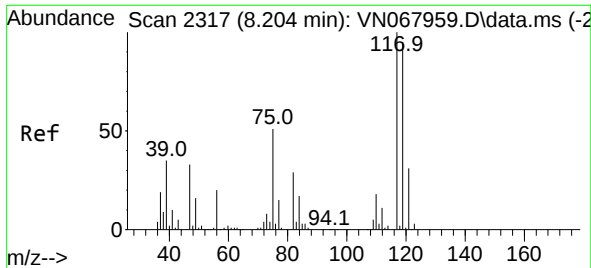
Tgt Ion:113 Resp: 152953
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 15.4 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.922 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

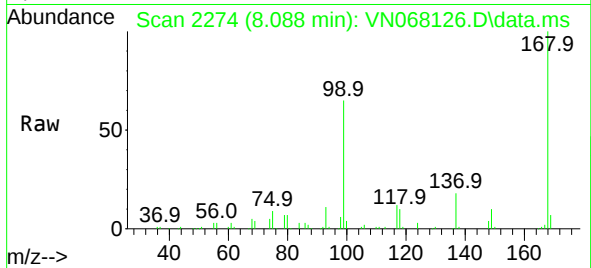
Tgt Ion: 75 Resp: 22795
Ion Ratio Lower Upper
75 100
110 2.1 15.7 47.0#
77 0.0 24.6 37.0#



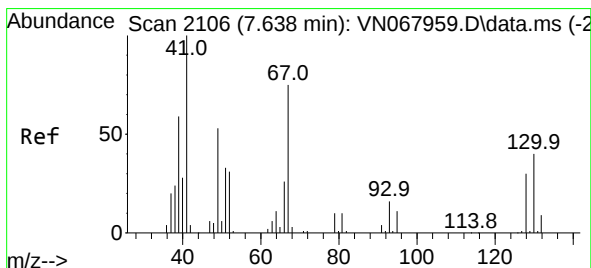
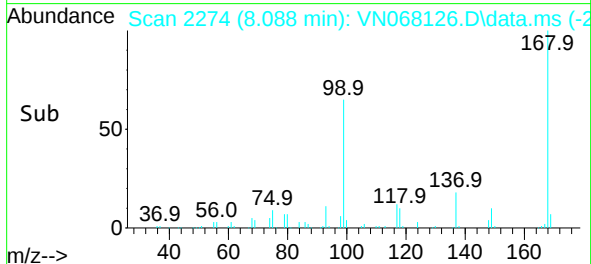
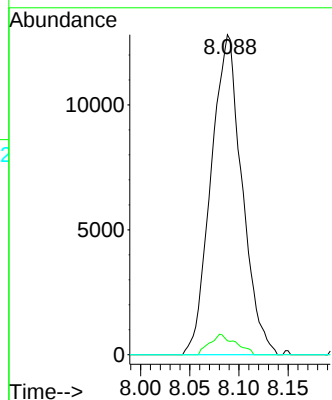


#38
Carbon Tetrachloride
Concen: 6.160 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

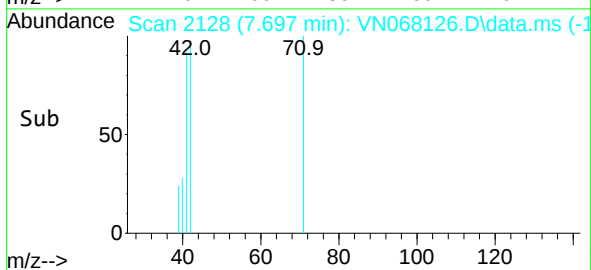
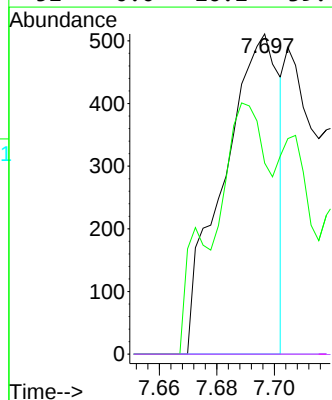
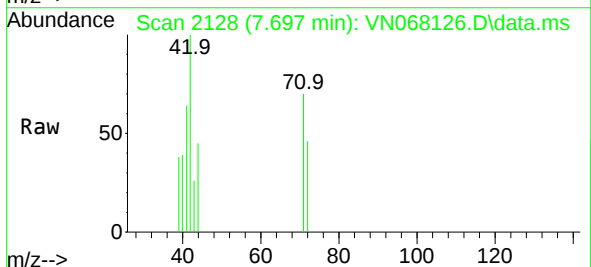


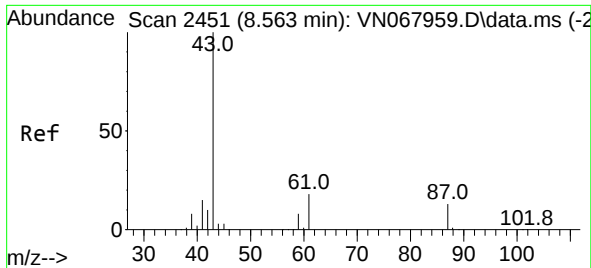
Tgt Ion: 117 Resp: 28052
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.330 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 41 Resp: 686
Ion Ratio Lower Upper
41 100
39 35.3 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

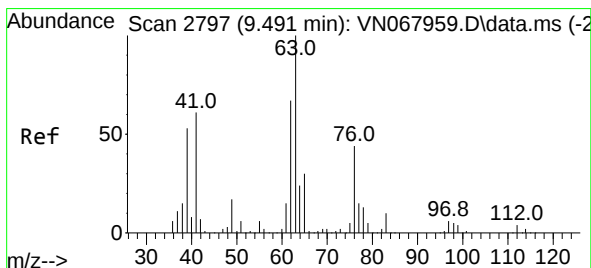
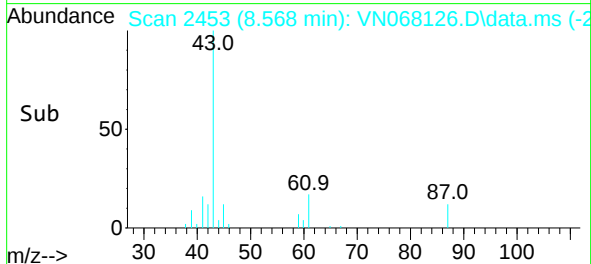
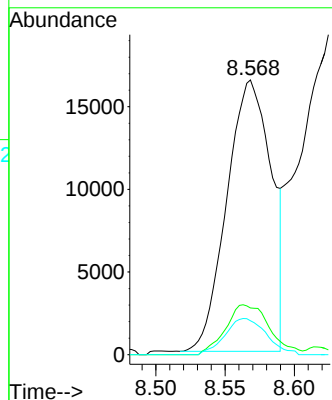
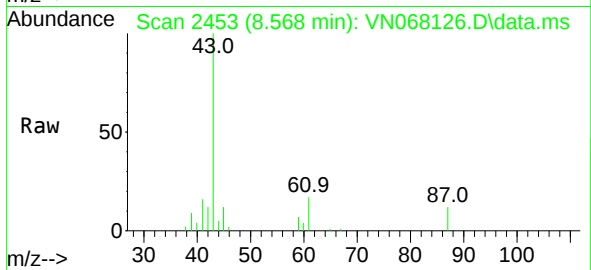




#43
Isopropyl Acetate
Concen: 5.047 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.005 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

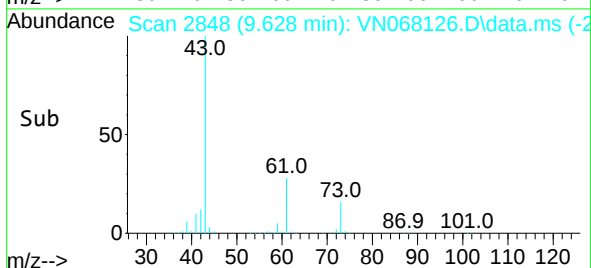
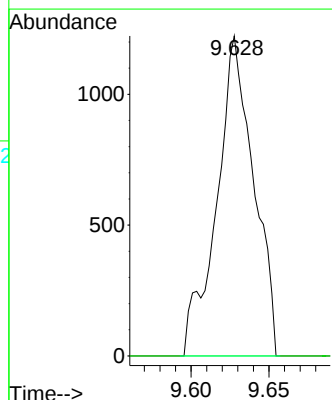
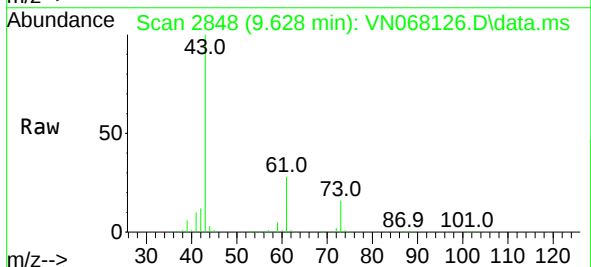
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

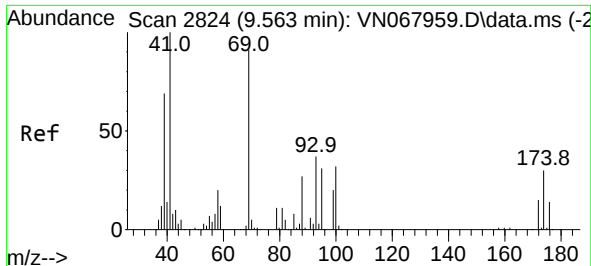
Tgt Ion: 43 Resp: 36657
Ion Ratio Lower Upper
43 100
61 18.1 19.0 28.4#
87 12.4 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.591 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 63 Resp: 2018
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

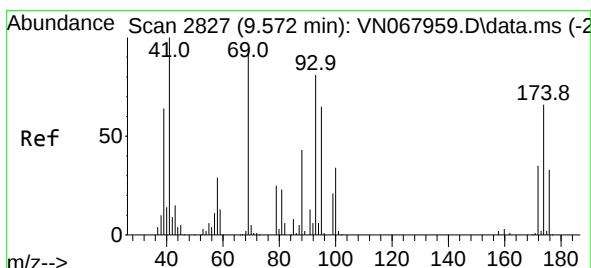
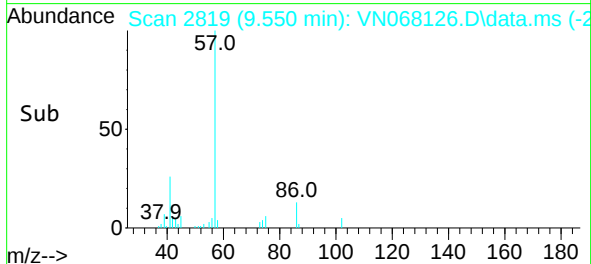
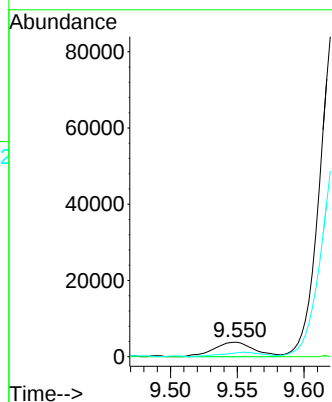
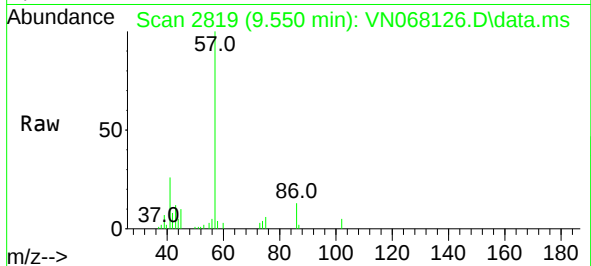




#48
Methyl methacrylate
Concen: 4.399 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

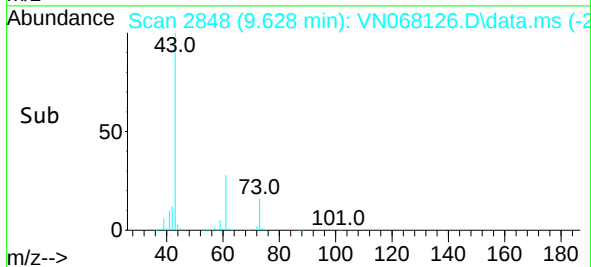
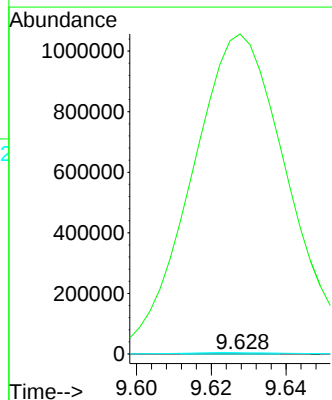
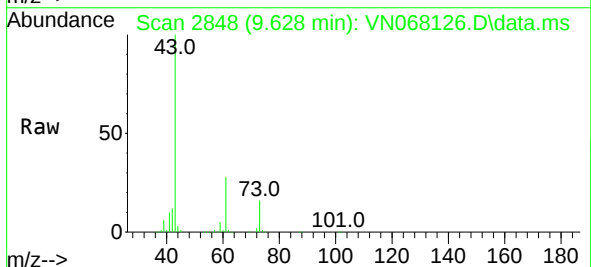
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

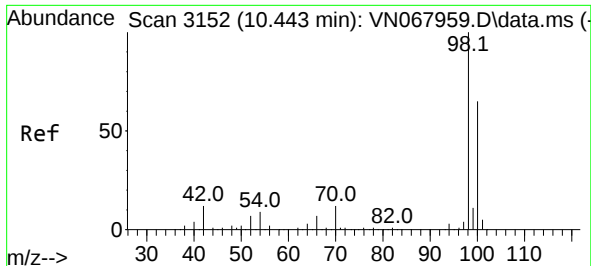
Tgt Ion: 41 Resp: 7950
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 3.687 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.056 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 88 Resp: 213
Ion Ratio Lower Upper
88 100
43 918132.9 28.8 43.2#
58 4174.2 60.4 90.6#

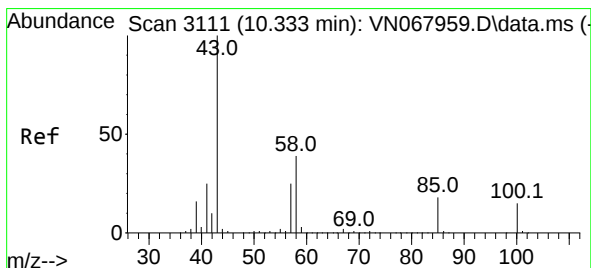
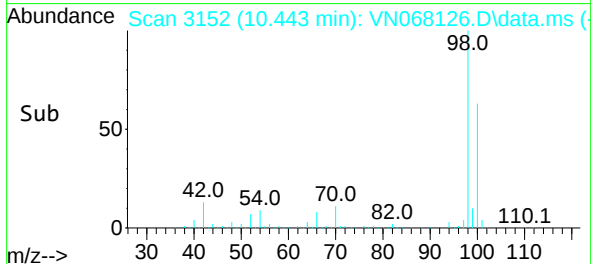
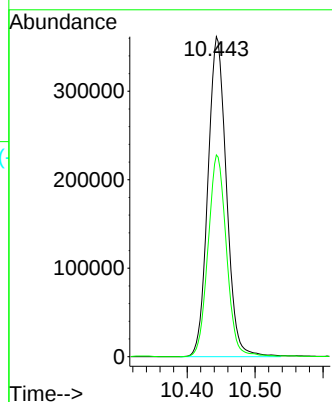
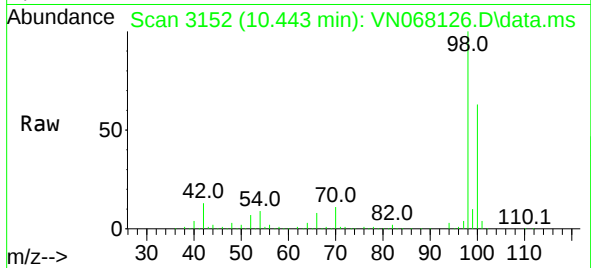




#50
Toluene-d8
Concen: 50.844 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

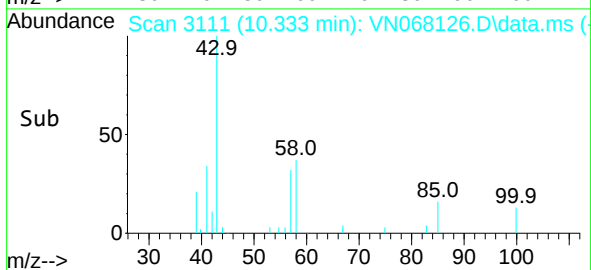
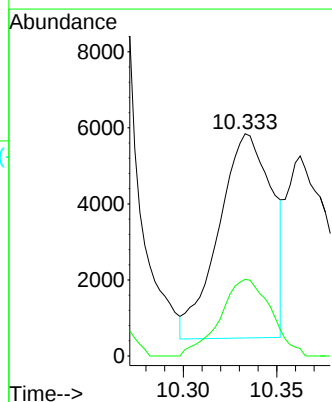
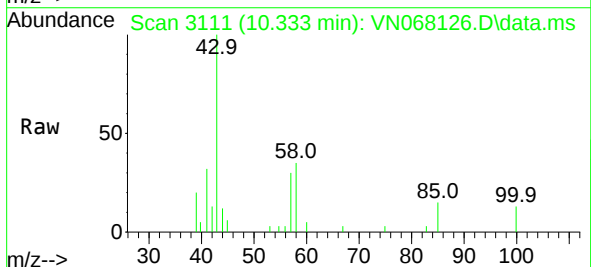
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

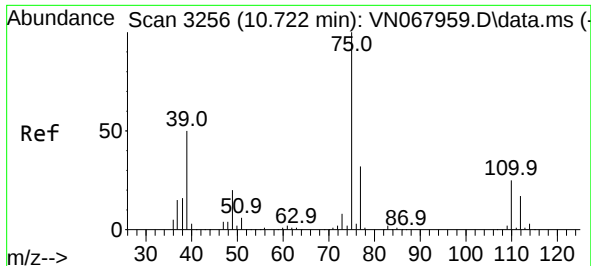
Tgt Ion: 98 Resp: 685575
Ion Ratio Lower Upper
98 100
100 62.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 14.475 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 43 Resp: 10636
Ion Ratio Lower Upper
43 100
58 35.9 28.6 43.0

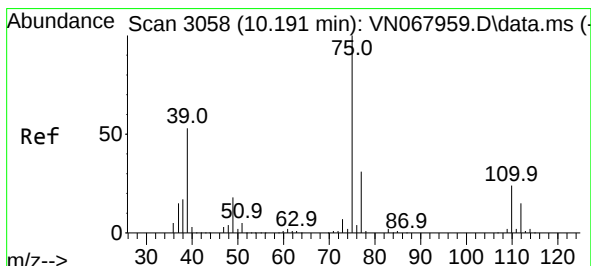
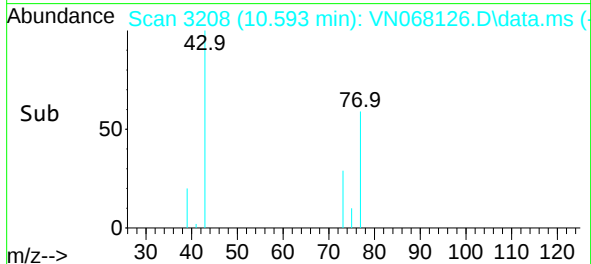
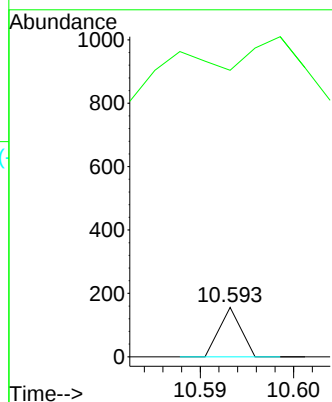
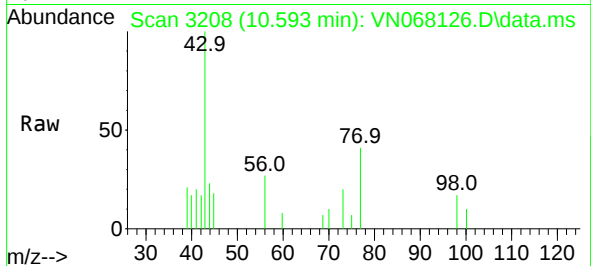




#53
t-1,3-Dichloropropene
Concen: 2.837 ug/l
RT: 10.593 min Scan# 3208
Delta R.T. -0.129 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

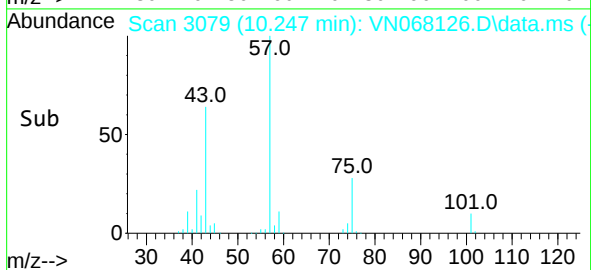
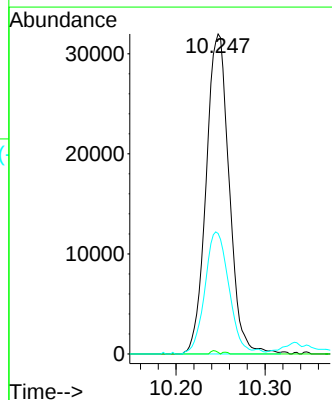
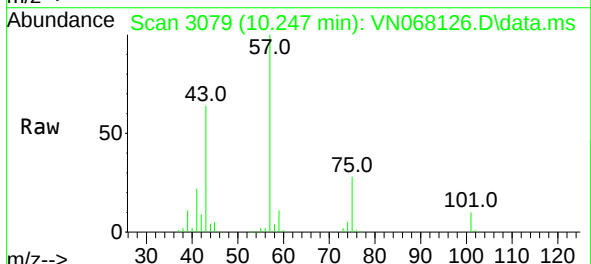
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

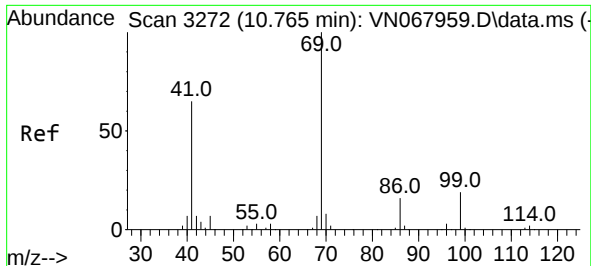
Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 11.186 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 75 Resp: 57416
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 37.7 50.7 76.1#

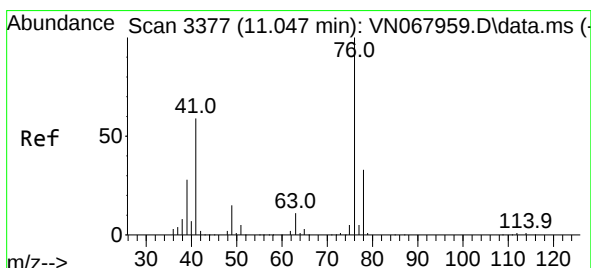
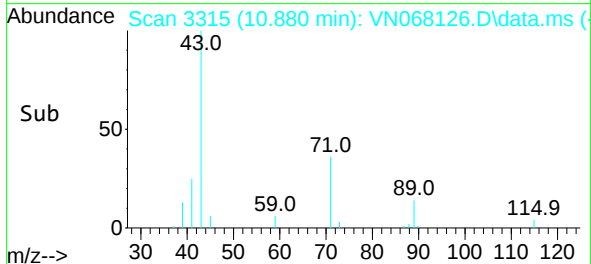
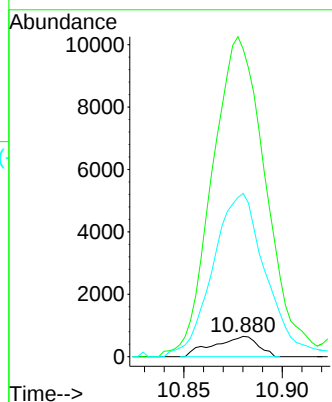
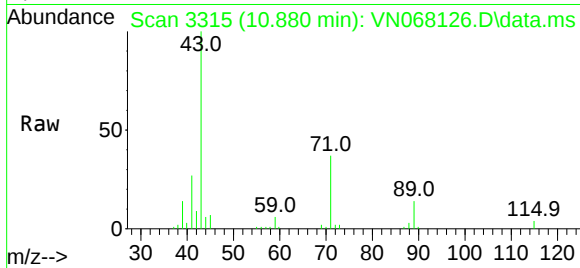




#56
Ethyl methacrylate
Concen: 3.252 ug/l
RT: 10.880 min Scan# 3315
Delta R.T. 0.115 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

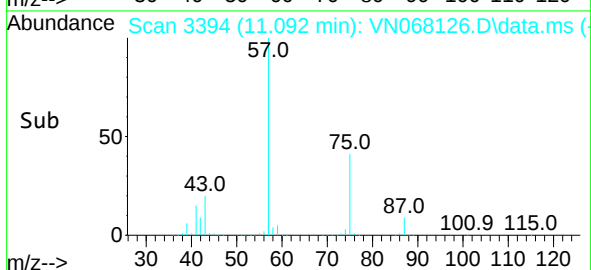
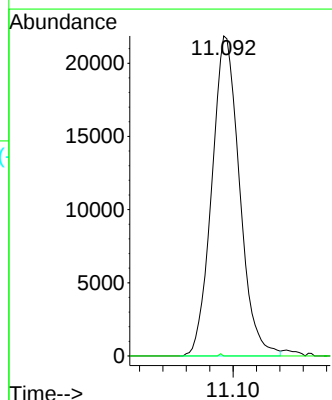
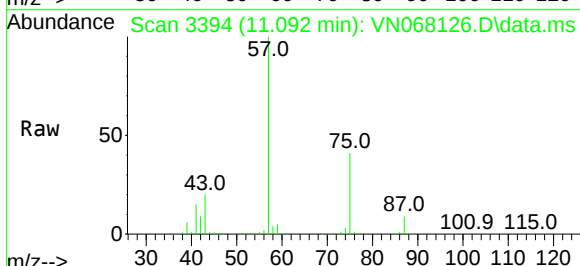
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

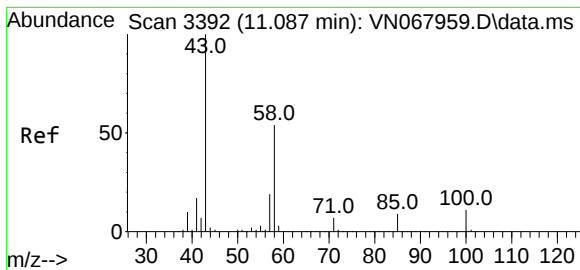
Tgt Ion: 69 Resp: 1013
Ion Ratio Lower Upper
69 100
41 1910.1 58.6 88.0#
39 969.5 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 6.389 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 76 Resp: 35982
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

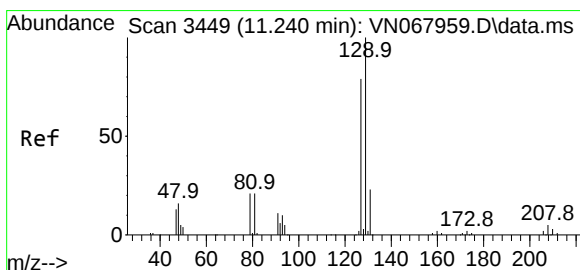
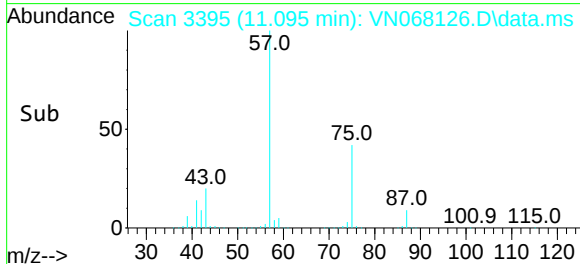
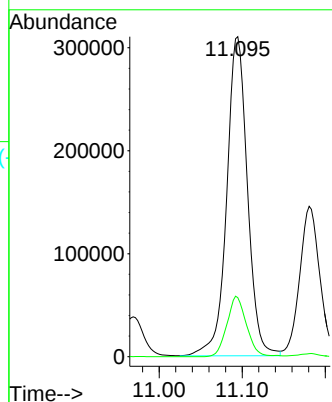
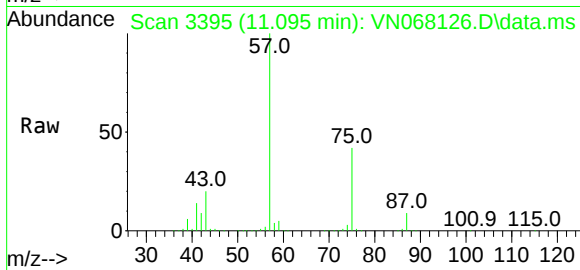




#59
2-Hexanone
Concen: 148.308 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

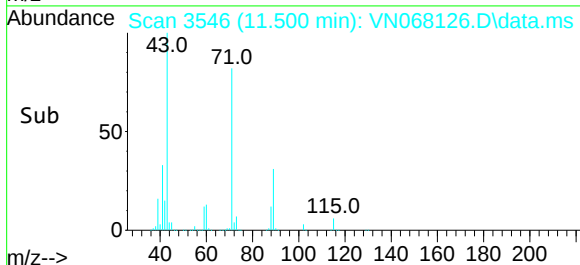
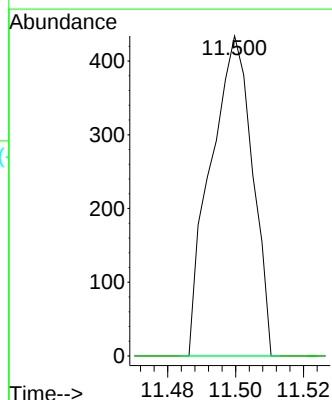
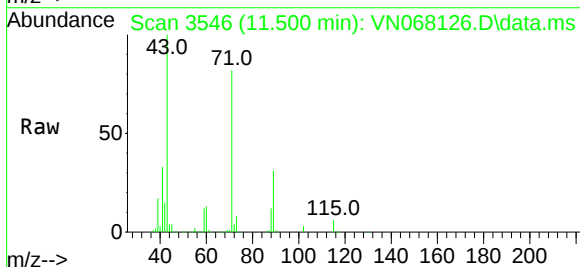
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

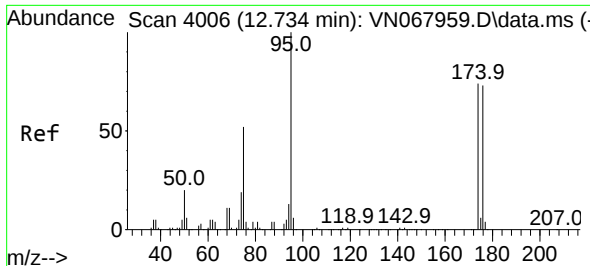
Tgt Ion: 43 Resp: 537890
Ion Ratio Lower Upper
43 100
58 17.8 24.7 74.1#



#60
Dibromochloromethane
Concen: 3.383 ug/l
RT: 11.500 min Scan# 3546
Delta R.T. 0.260 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion:129 Resp: 370
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

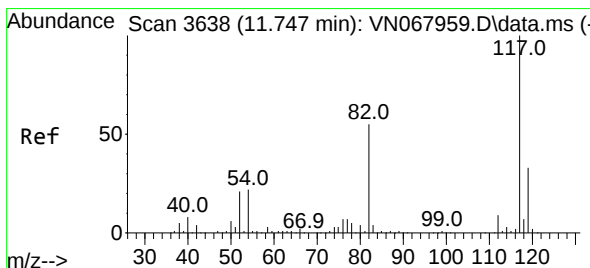
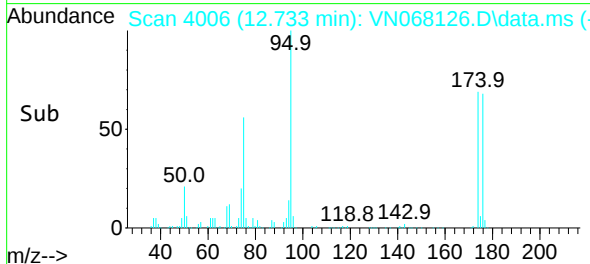
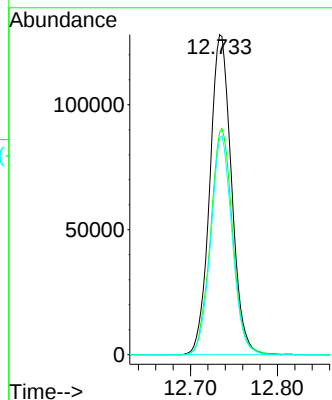
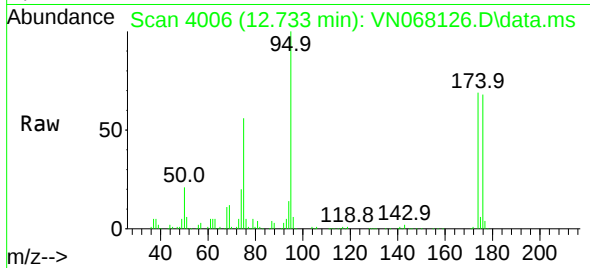




#62
4-Bromofluorobenzene
Concen: 45.513 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

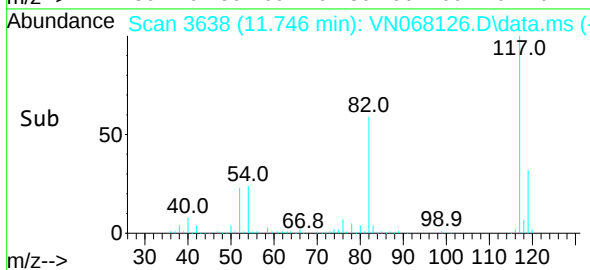
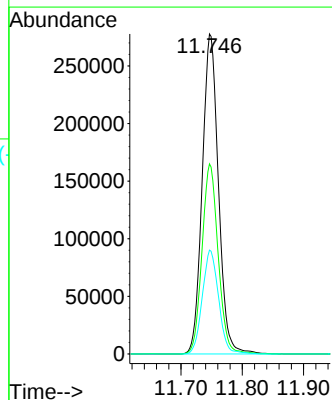
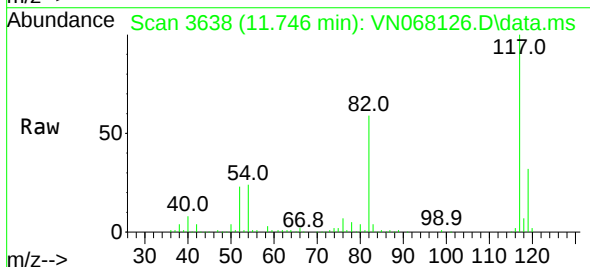
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

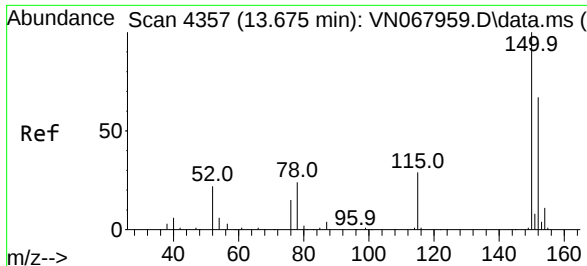
Tgt Ion: 95 Resp: 221875
Ion Ratio Lower Upper
95 100
174 72.1 0.0 122.0
176 67.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 117 Resp: 510898
Ion Ratio Lower Upper
117 100
82 59.4 53.1 79.7
119 32.5 25.5 38.3

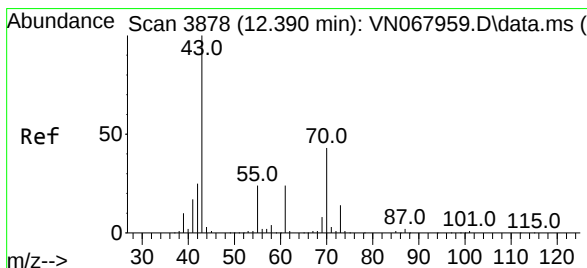
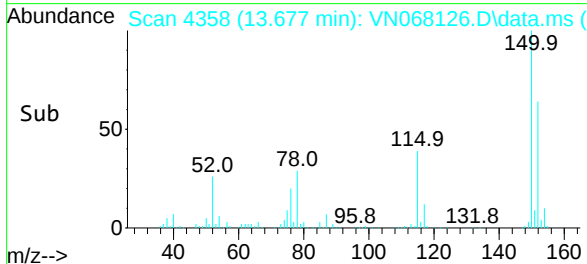
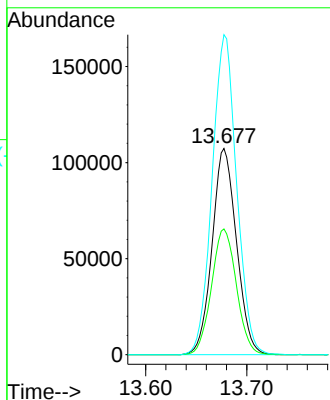
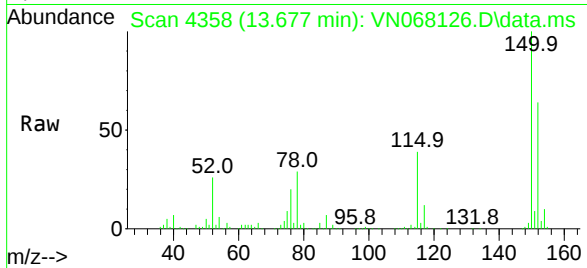




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

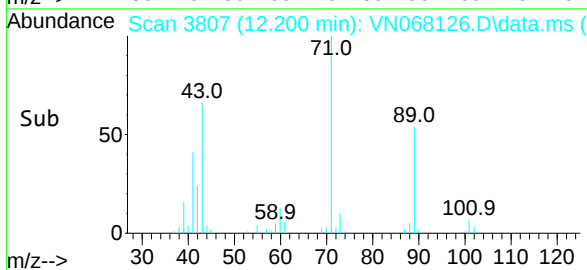
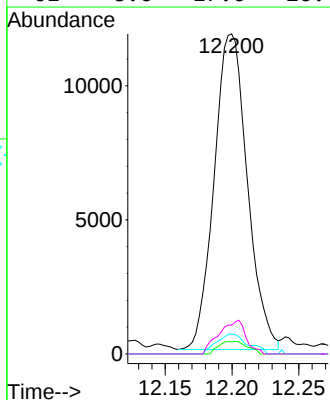
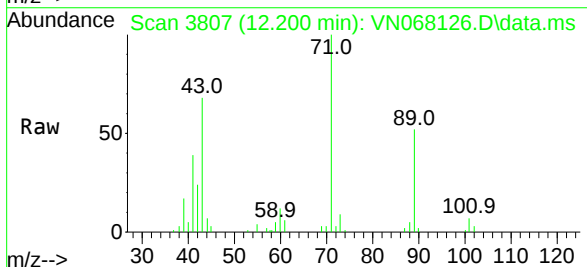
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

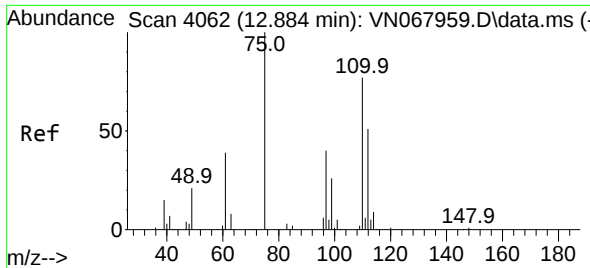
Tgt Ion:152 Resp: 180060
Ion Ratio Lower Upper
152 100
115 62.3 36.1 108.5
150 155.9 0.0 351.8



#74
N-ethyl acetate
Concen: 3.983 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 43 Resp: 20340
Ion Ratio Lower Upper
43 100
70 3.4 29.4 44.2#
55 6.0 17.0 25.4#
61 8.6 17.6 26.4#

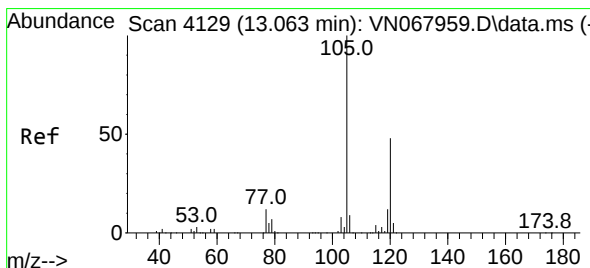
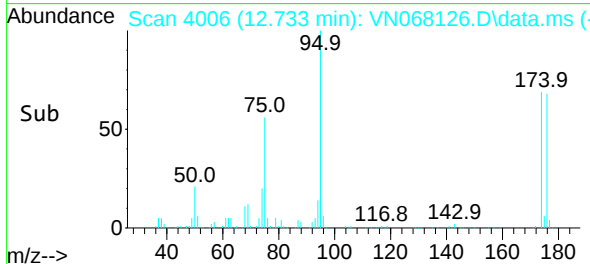
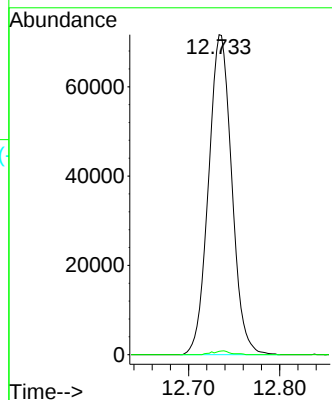
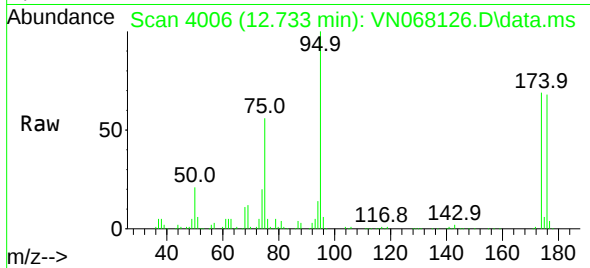




#76
1,2,3-Trichloropropane
Concen: 35.092 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

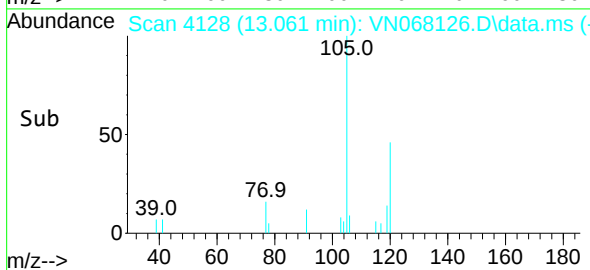
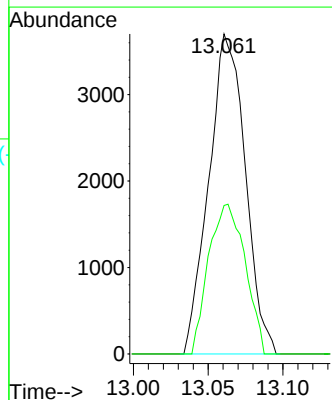
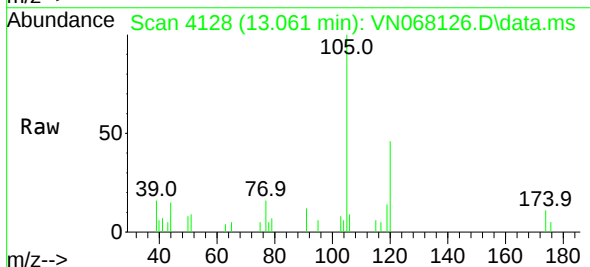
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

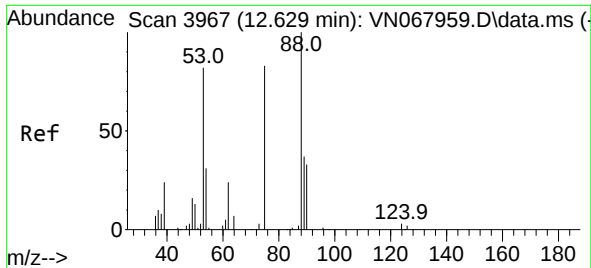
Tgt Ion: 75 Resp: 126897
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.527 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.002 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion: 105 Resp: 6278
Ion Ratio Lower Upper
105 100
120 46.8 22.2 66.6

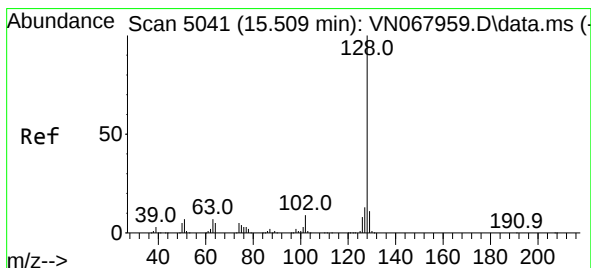
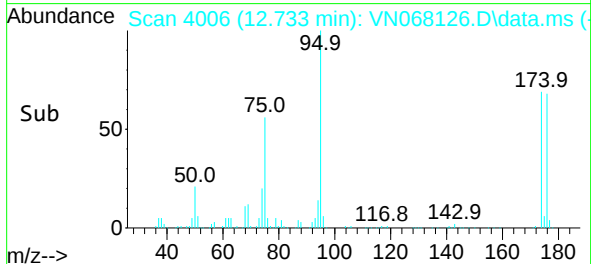
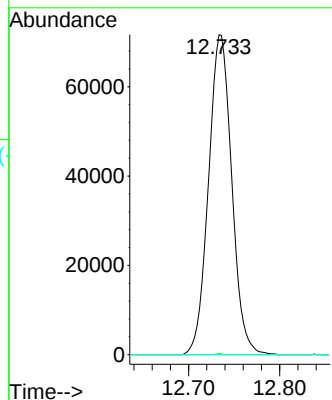
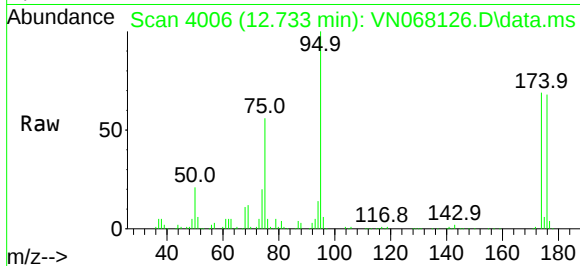




#81
trans-1,4-Dichloro-2-butene
Concen: 93.951 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#15

Tgt Ion: 75 Resp: 126897
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.143 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.008 min
Lab File: VN068126.D
Acq: 16 Aug 2021 19:28

Tgt Ion:128 Resp: 182
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

