

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068591.D
 Acq On : 21 Sep 2021 18:58
 Operator : JC/MD
 Sample : PB139153ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139153ZHE#01

Quant Time: Sep 22 03:43:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

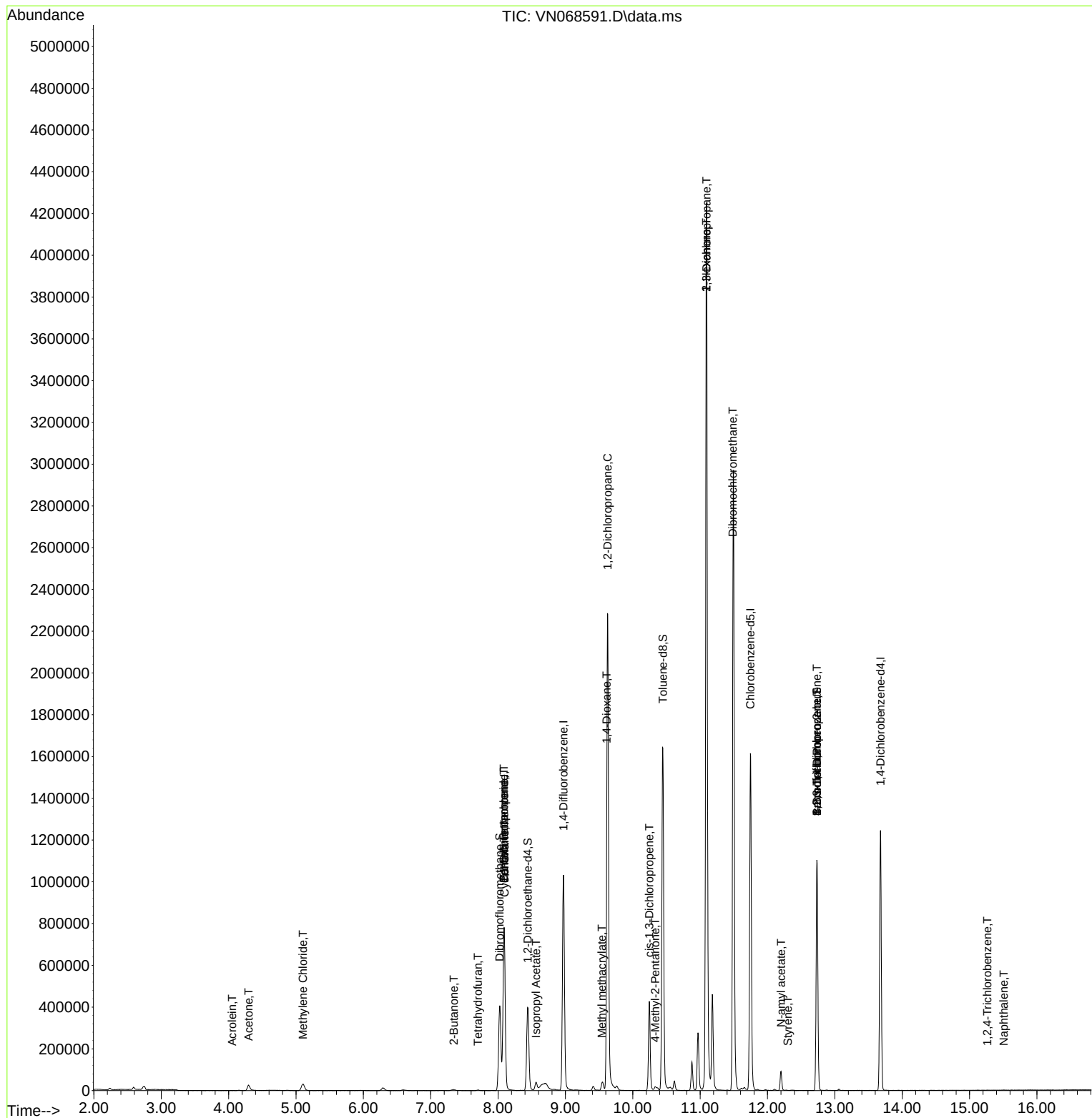
Internal Standards						
1) Pentafluorobenzene	8.091	168	653029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1004679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1012043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	371513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	341257	56.969	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.940%			
35) Dibromofluoromethane	8.024	113	304431	50.240	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.480%			
50) Toluene-d8	10.446	98	1254283	50.436	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.880%			
62) 4-Bromofluorobenzene	12.734	95	366369	45.161	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.320%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	503	Below Cal	#	42
5) Bromomethane	2.845	94	121	Below Cal	#	3
11) Tert butyl alcohol	5.382	59	116	Below Cal	#	84
13) Acrolein	4.052	56	94	0.211	ug/l #	46
16) Acetone	4.296	43	47191	19.737	ug/l	93
18) Methyl Acetate	4.857	43	718	Below Cal	#	19
20) Methylene Chloride	5.103	84	28518	3.828	ug/l	96
25) 2-Butanone	7.343	43	8203	2.818	ug/l #	81
29) Tetrahydrofuran	7.702	42	2077	1.093	ug/l #	67
31) Cyclohexane	8.096	56	10756	1.185	ug/l #	32
36) 1,1-Dichloropropene	8.088	75	44095	5.264	ug/l #	47
38) Carbon Tetrachloride	8.088	117	59632	5.943	ug/l #	15
43) Isopropyl Acetate	8.563	43	47093	4.189	ug/l #	85
45) 1,2-Dichloropropane	9.628	63	2884	0.487	ug/l #	44
48) Methyl methacrylate	9.542	41	10486	2.234	ug/l #	6
49) 1,4-Dioxane	9.614	88	92	0.854	ug/l #	30
51) 4-Methyl-2-Pentanone	10.333	43	9045	1.410	ug/l #	87
54) cis-1,3-Dichloropropene	10.245	75	84085	8.859	ug/l #	67
57) 1,3-Dichloropropane	11.095	76	50493	5.019	ug/l #	42
59) 2-Hexanone	11.092	43	632815	147.251	ug/l #	46
60) Dibromochloromethane	11.486	129	553	1.862	ug/l #	11
70) Styrene	12.302	104	49	1.756	ug/l #	27
71) Bromoform	12.734	173	2325	2.812	ug/l #	1
74) N-amyl acetate	12.200	43	27991	4.749	ug/l #	48
76) 1,2,3-Trichloropropane	12.734	75	180493	35.000	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	180493	107.670	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.265	180	88	2.971	ug/l #	60
95) Naphthalene	15.507	128	759	3.544	ug/l #	69

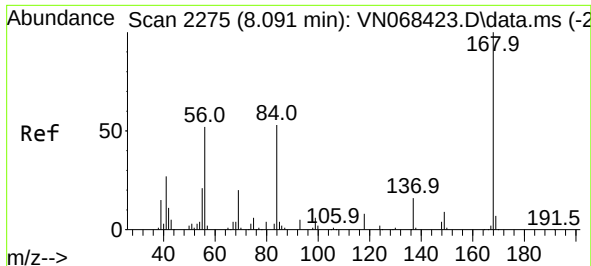
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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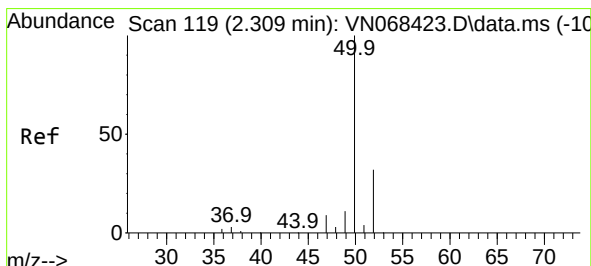
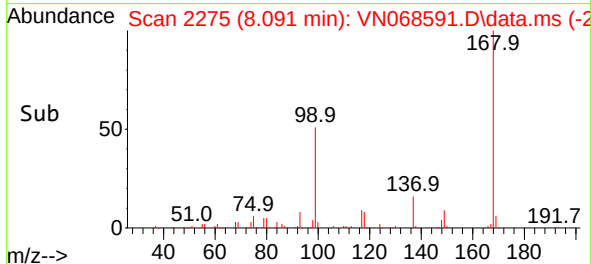
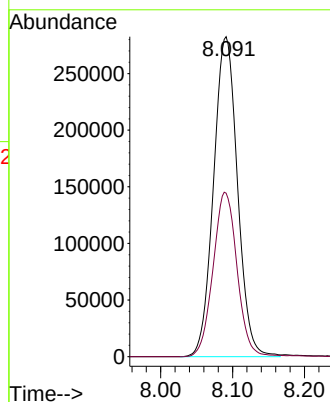
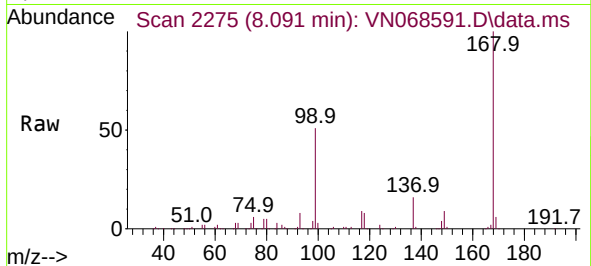




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

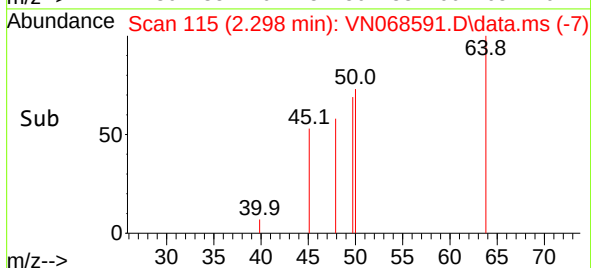
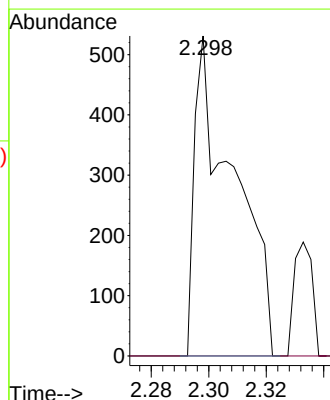
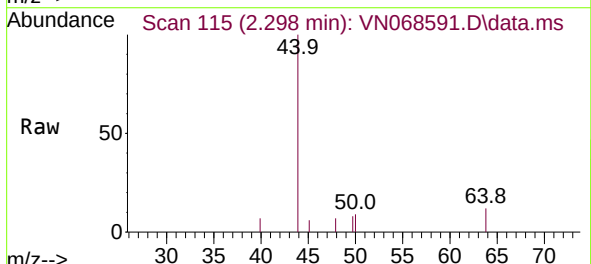
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

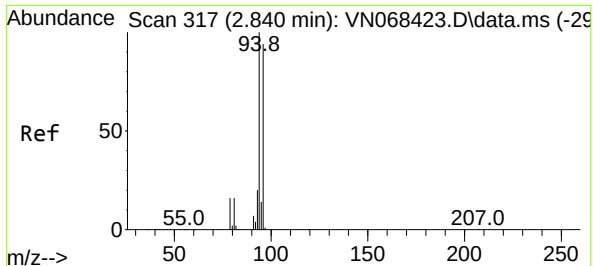
Tgt Ion:168 Resp: 653029
Ion Ratio Lower Upper
168 100
99 51.1 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 115
Delta R.T. -0.011 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 50 Resp: 503
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

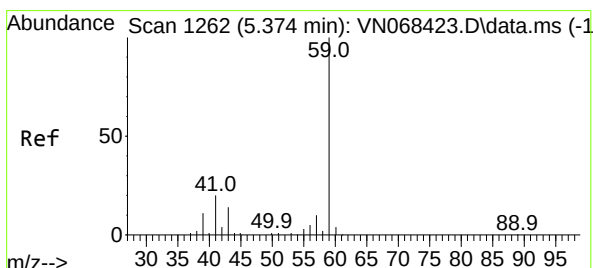
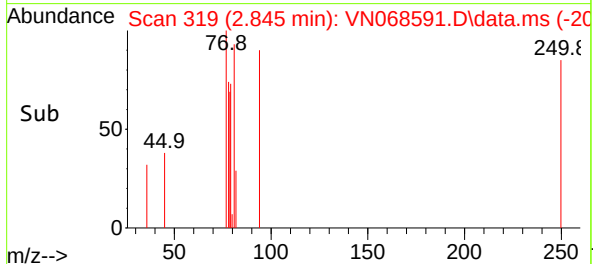
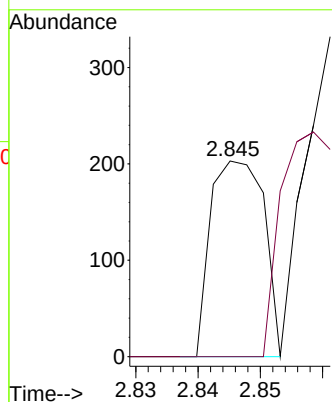
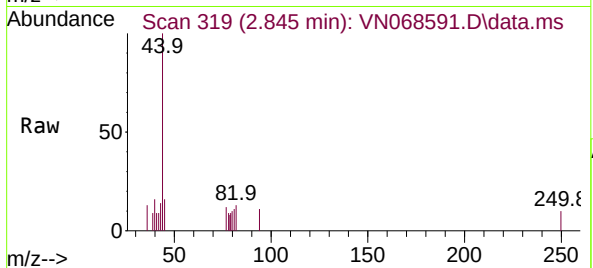




#5
Bromomethane
Concen: Below Cal
RT: 2.845 min Scan# 319
Delta R.T. 0.005 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

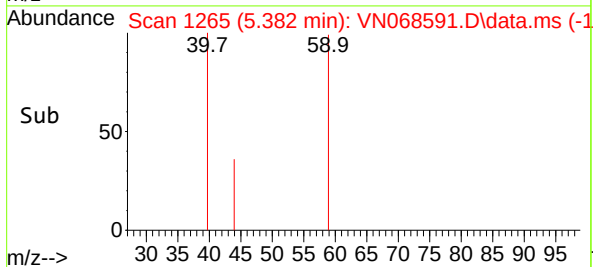
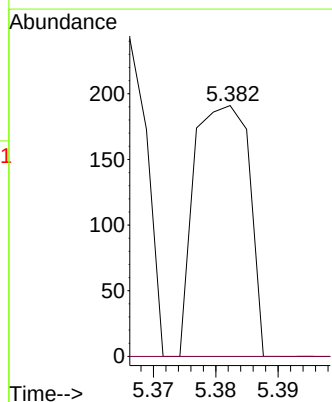
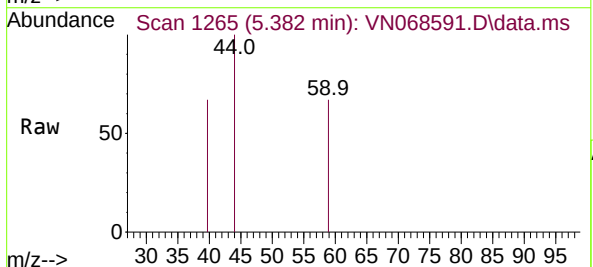
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

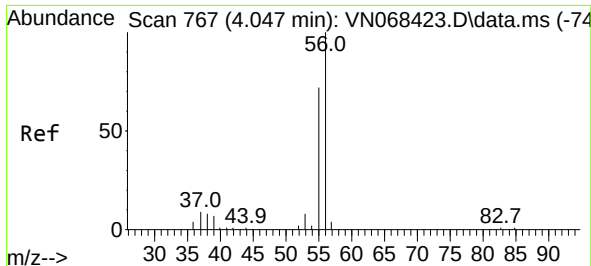
Tgt Ion: 94 Resp: 121
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.382 min Scan# 1265
Delta R.T. 0.008 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

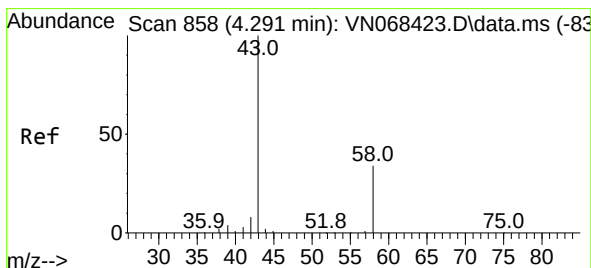
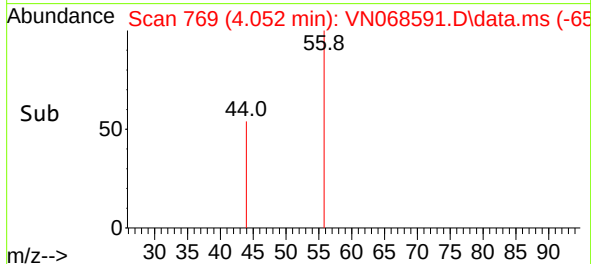
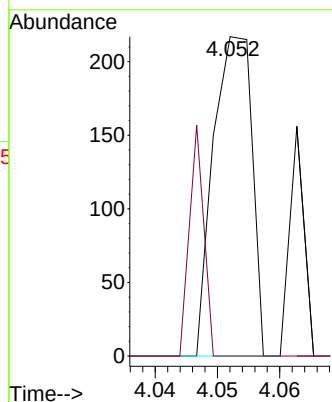
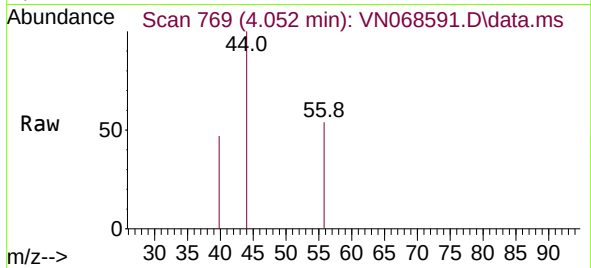




#13
Acrolein
Concen: 0.211 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.005 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

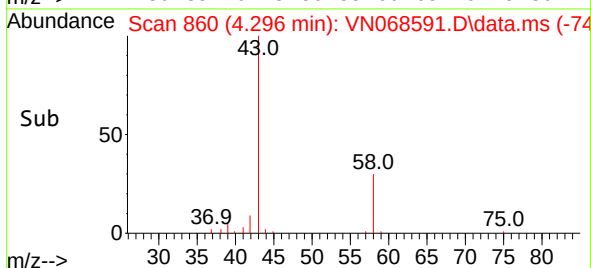
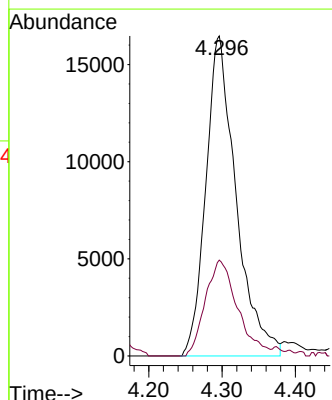
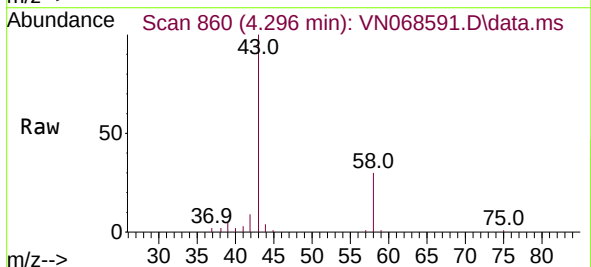
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

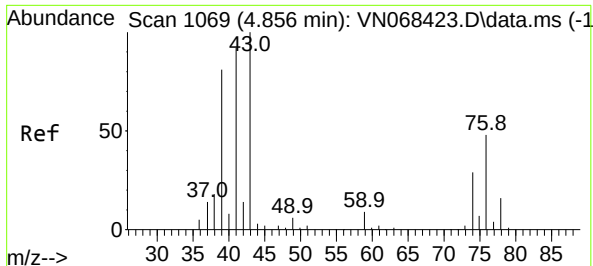
Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 26.6 56.8 85.2#



#16
Acetone
Concen: 19.737 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 43 Resp: 47191
Ion Ratio Lower Upper
43 100
58 30.0 27.0 40.6





#18

Methyl Acetate

Concen: Below Cal

RT: 4.857 min Scan# 1069

Delta R.T. 0.001 min

Lab File: VN068591.D

Acq: 21 Sep 2021 18:58

Instrument :

MSVOA_N

ClientSampleId :

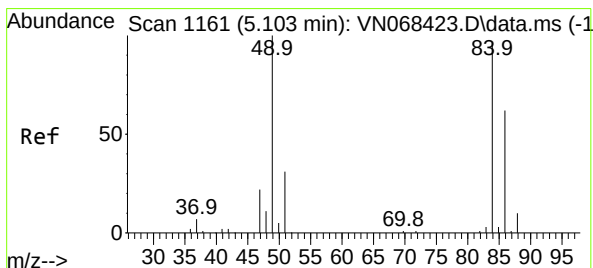
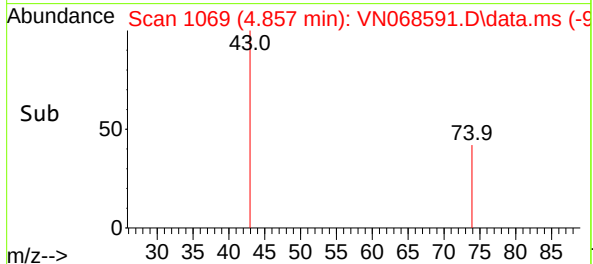
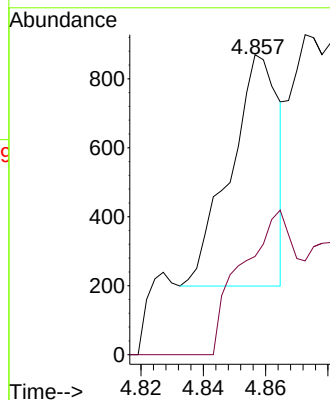
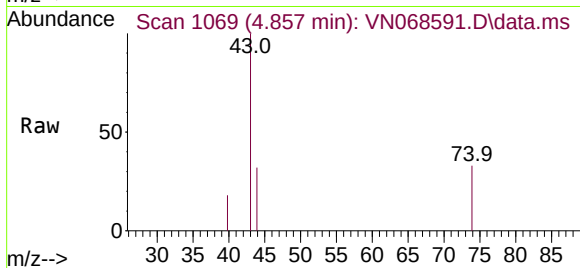
PB139153ZHE#01

Tgt Ion: 43 Resp: 718

Ion Ratio Lower Upper

43 100

74 72.8 23.5 35.3#



#20

Methylene Chloride

Concen: 3.828 ug/l

RT: 5.103 min Scan# 1161

Delta R.T. 0.000 min

Lab File: VN068591.D

Acq: 21 Sep 2021 18:58

Tgt Ion: 84 Resp: 28518

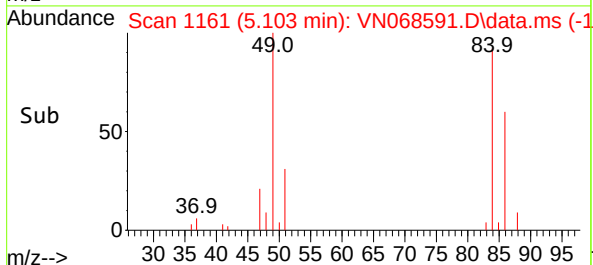
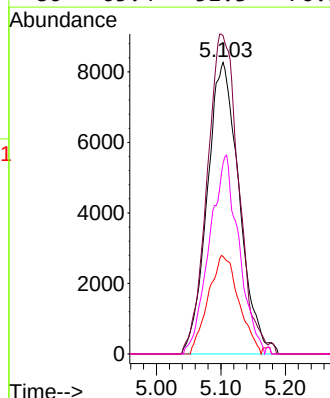
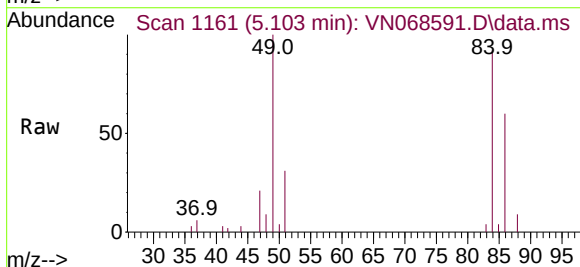
Ion Ratio Lower Upper

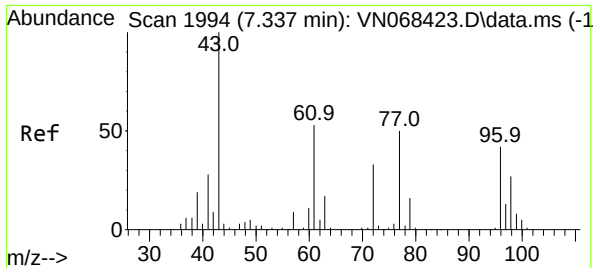
84 100

49 109.1 83.0 124.6

51 33.4 25.4 38.0

86 65.4 51.3 76.9

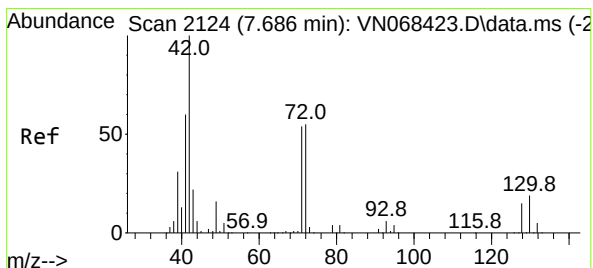
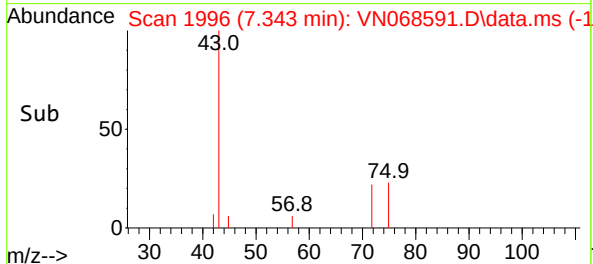
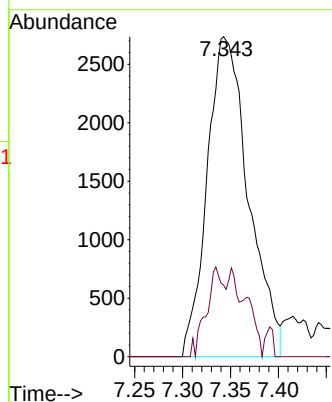
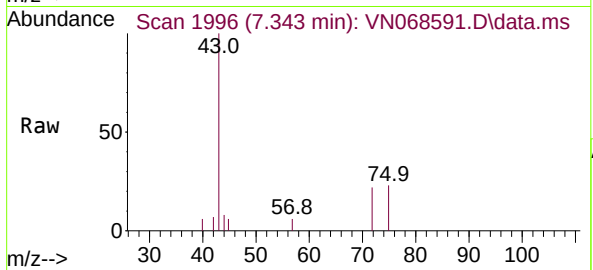




#25
2-Butanone
Concen: 2.818 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

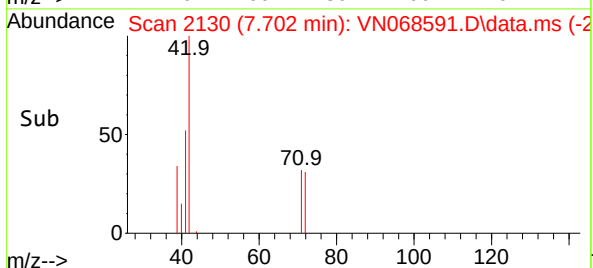
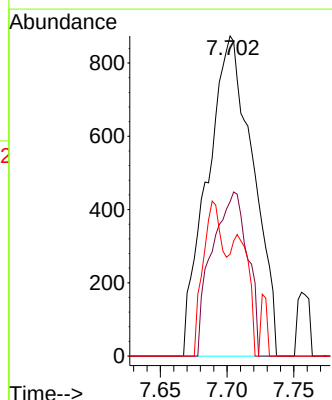
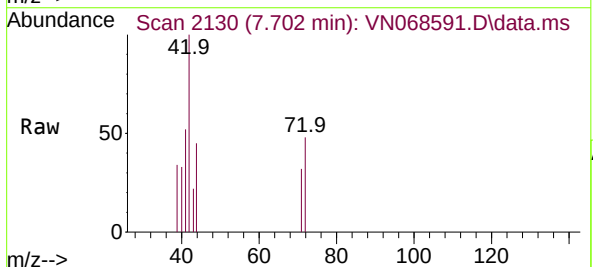
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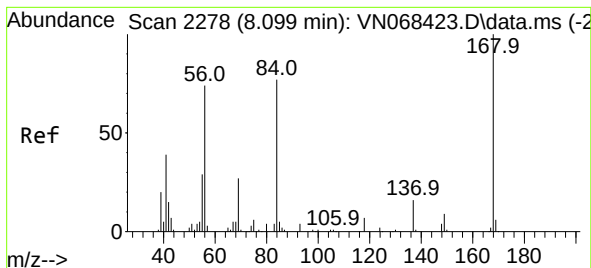
Tgt Ion: 43 Resp: 8203
Ion Ratio Lower Upper
43 100
72 22.4 26.7 40.1#



#29
Tetrahydrofuran
Concen: 1.093 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.016 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 42 Resp: 2077
Ion Ratio Lower Upper
42 100
72 39.7 44.4 66.6#
71 21.6 42.3 63.5#





#31

Cyclohexane

Concen: 1.185 ug/l

RT: 8.096 min Scan# 2277

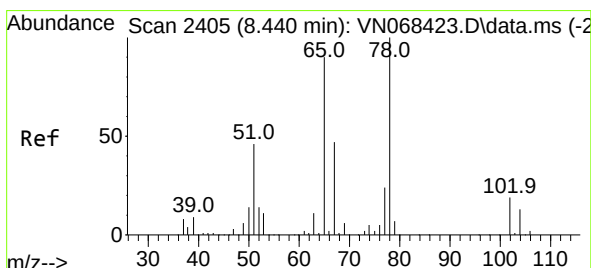
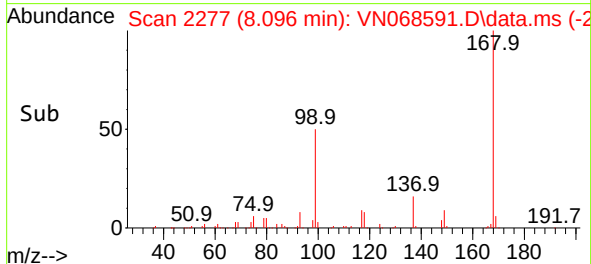
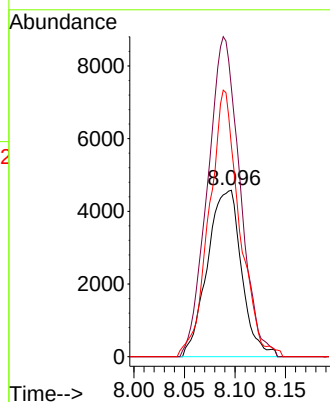
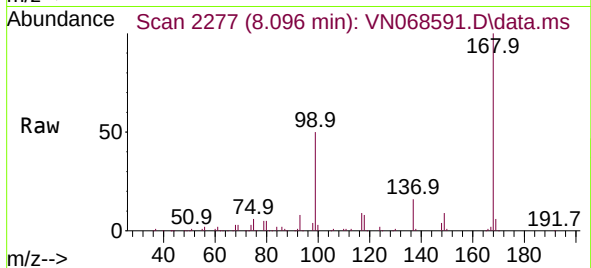
Delta R.T. -0.003 min

Lab File: VN068591.D

Acq: 21 Sep 2021 18:58

Tgt Ion:	56	Resp:	10756
Ion	Ratio	Lower	Upper
56	100		
69	161.4	29.4	44.0#
84	123.1	83.6	125.4

Instrument :
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#33

1,2-Dichloroethane-d4

Concen: 56.969 ug/l

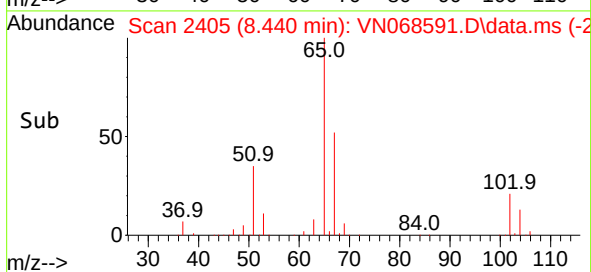
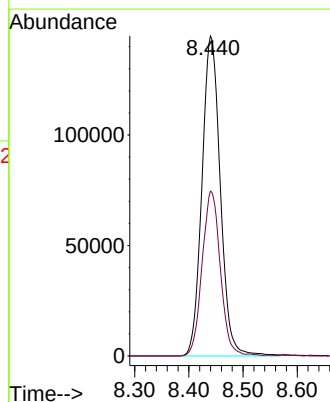
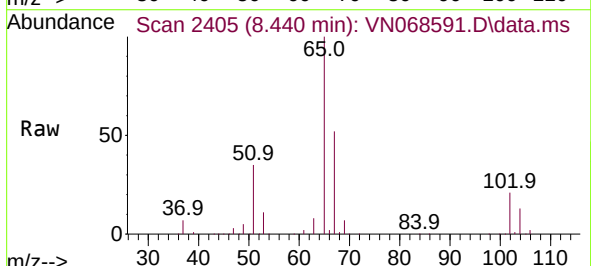
RT: 8.440 min Scan# 2405

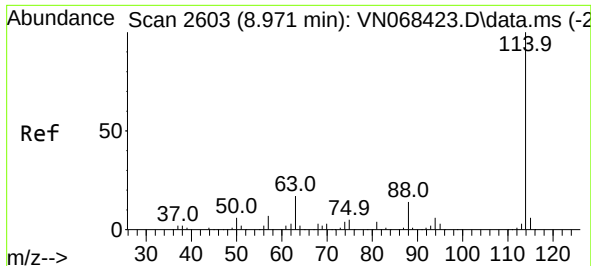
Delta R.T. -0.000 min

Lab File: VN068591.D

Acq: 21 Sep 2021 18:58

Tgt Ion:	65	Resp:	341257
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.0

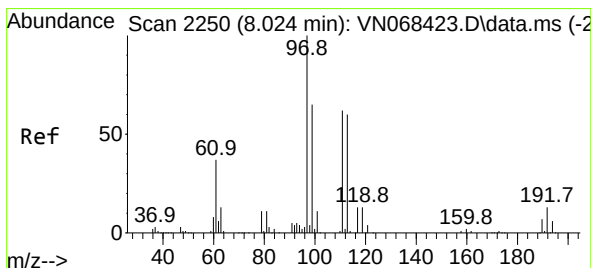
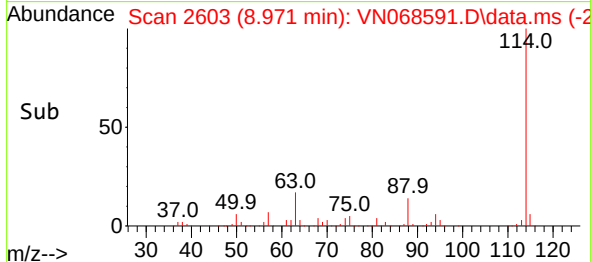
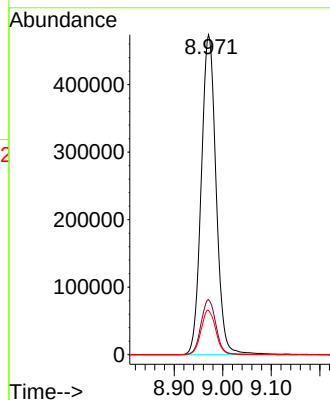
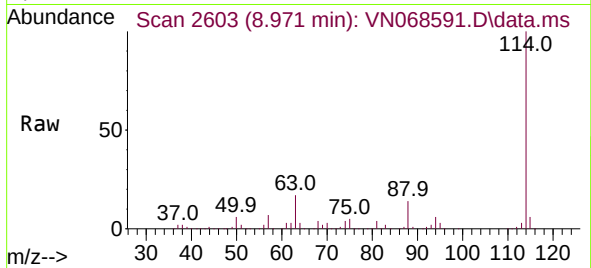




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

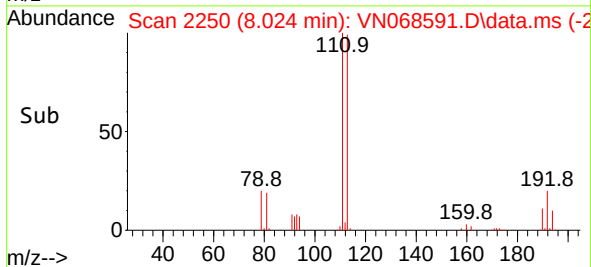
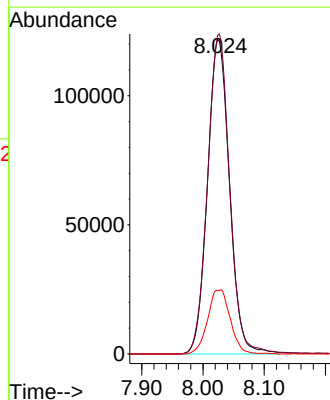
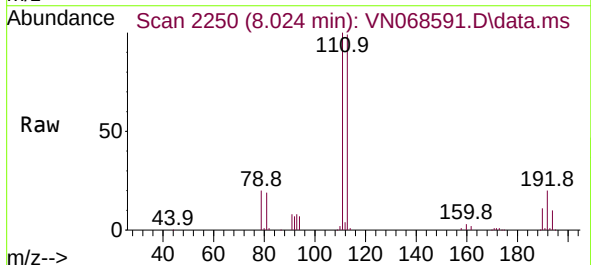
Instrument :
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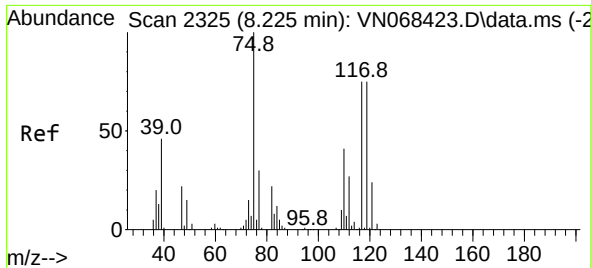
Tgt Ion:114 Resp: 1004679
Ion Ratio Lower Upper
114 100
63 17.2 0.0 33.2
88 13.8 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.240 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion:113 Resp: 304431
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 20.9 17.7 26.5

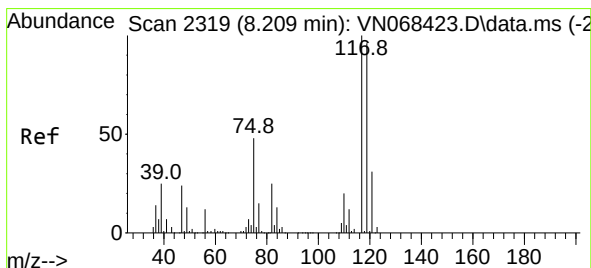
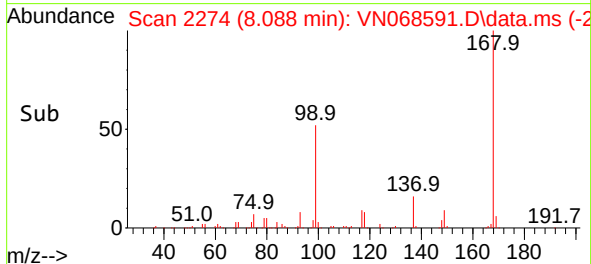
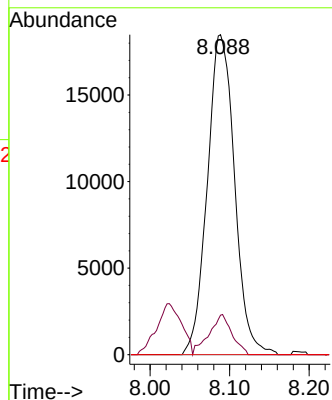
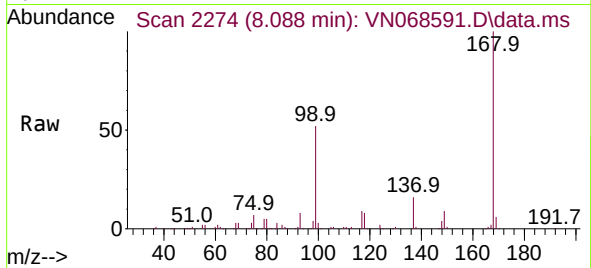




#36
1,1-Dichloropropene
Concen: 5.264 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

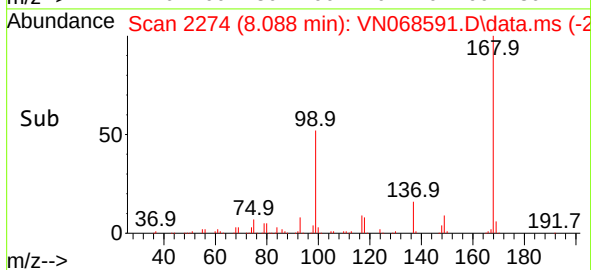
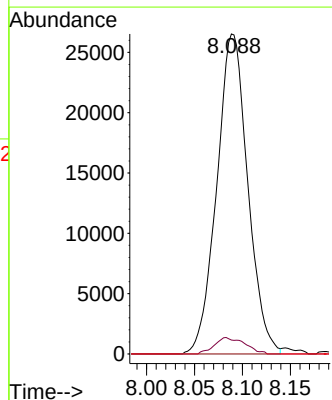
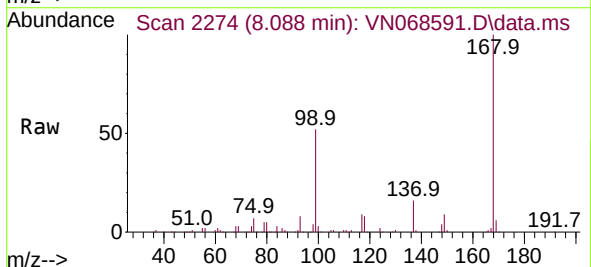
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

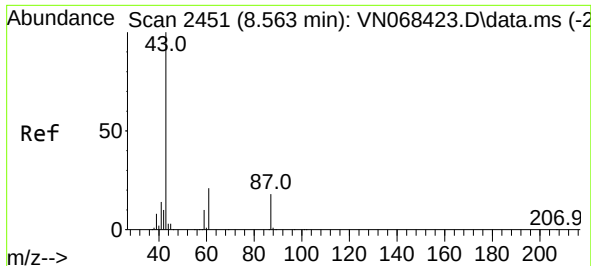
Tgt Ion: 75 Resp: 44095
Ion Ratio Lower Upper
75 100
110 10.5 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 5.943 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 117 Resp: 59632
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 24.5 36.7#

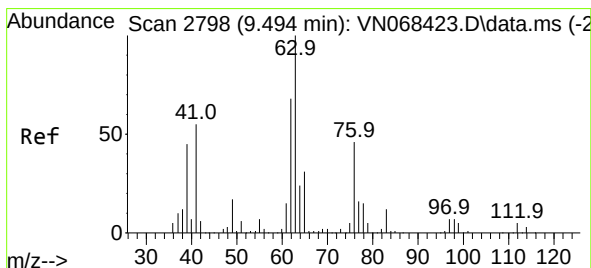
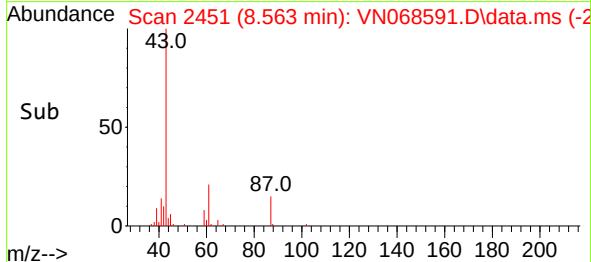
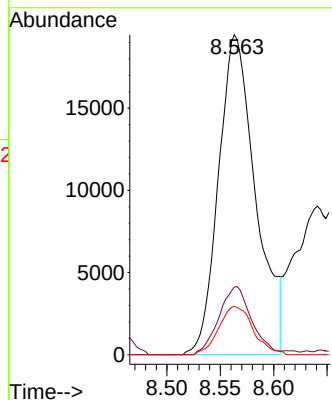
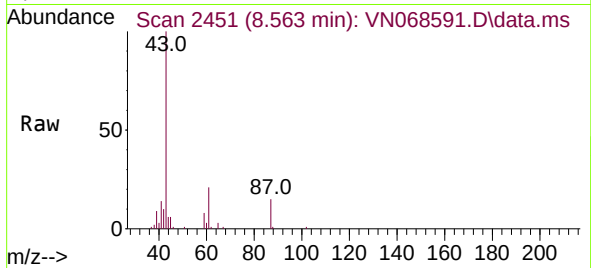




#43
Isopropyl Acetate
Concen: 4.189 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

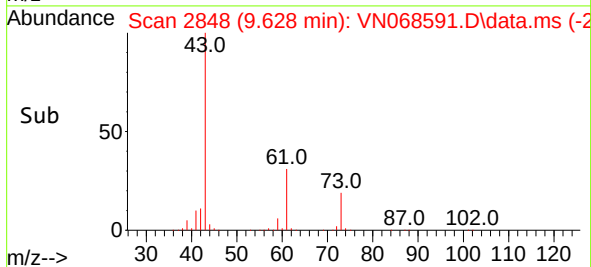
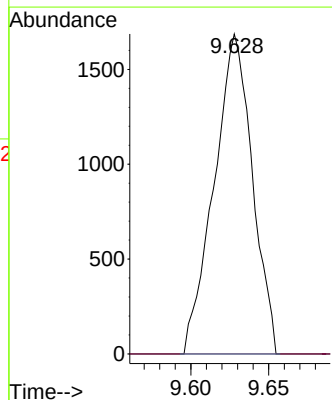
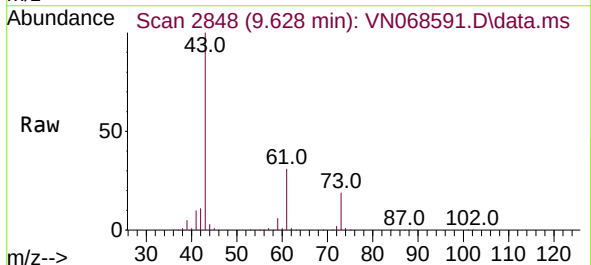
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

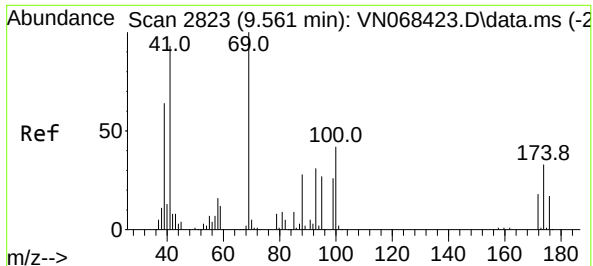
Tgt Ion: 43 Resp: 47093
Ion Ratio Lower Upper
43 100
61 18.8 23.3 34.9#
87 13.9 13.8 20.6



#45
1,2-Dichloropropane
Concen: 0.487 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.134 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 63 Resp: 2884
Ion Ratio Lower Upper
63 100
65 0.0 24.8 37.2#

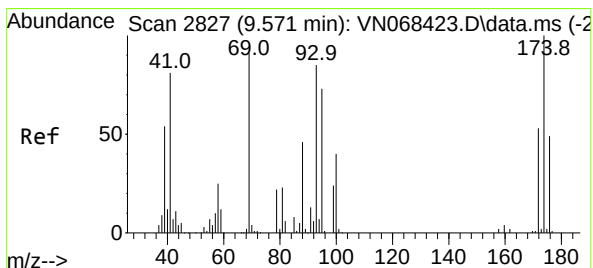
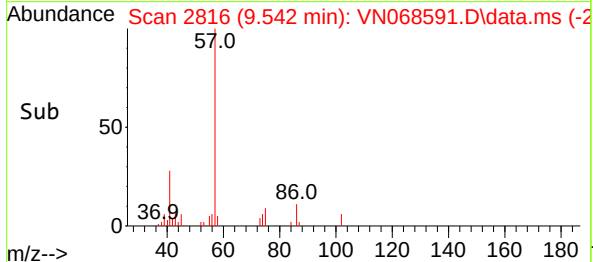
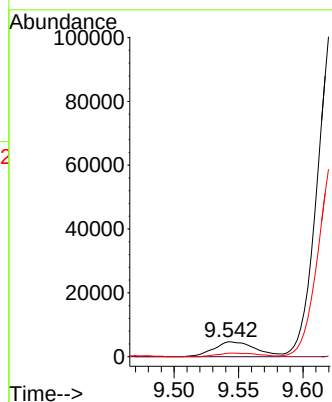
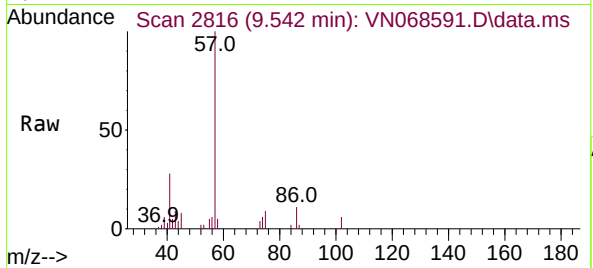




#48
Methyl methacrylate
Concen: 2.234 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

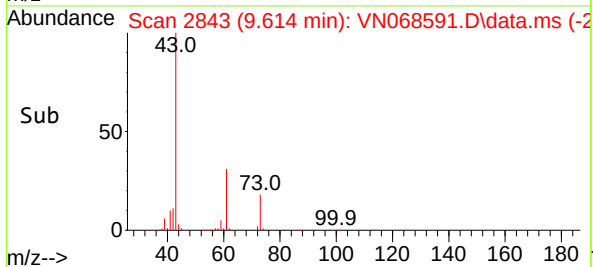
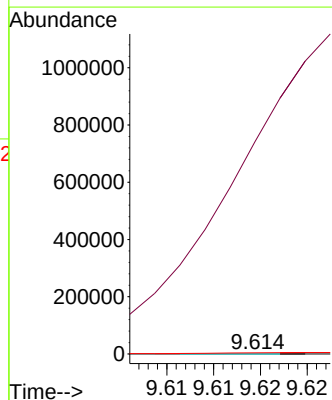
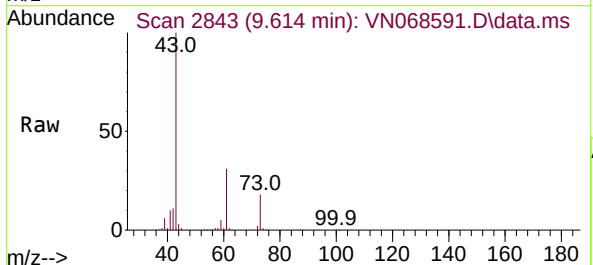
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

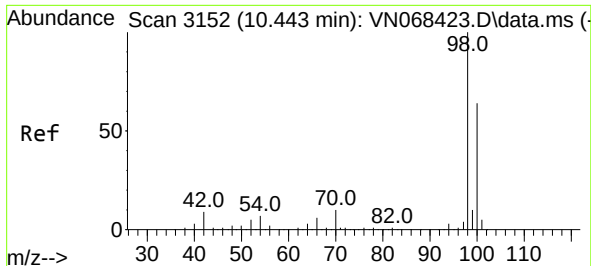
Tgt Ion: 41 Resp: 10486
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 0.0 50.3 75.5#



#49
1,4-Dioxane
Concen: 0.854 ug/l
RT: 9.614 min Scan# 2843
Delta R.T. 0.043 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 0.0 18.9 28.3#
58 0.0 46.6 69.8#

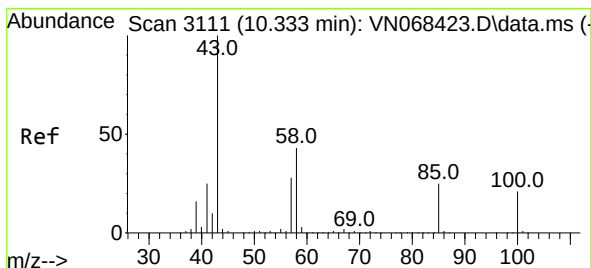
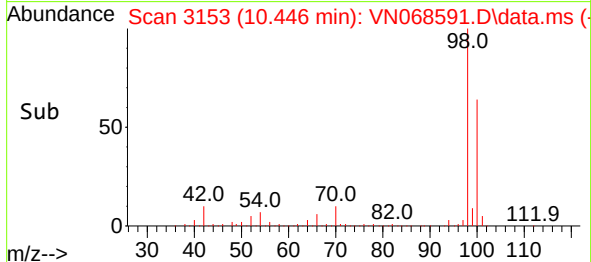
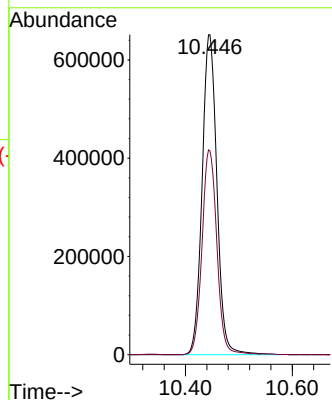
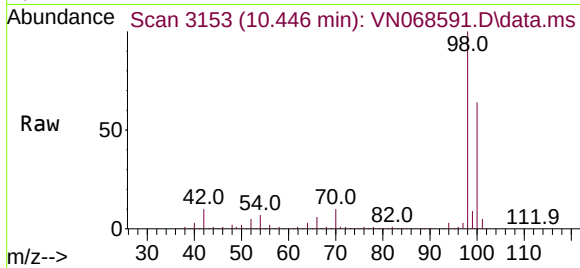




#50
Toluene-d8
Concen: 50.436 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

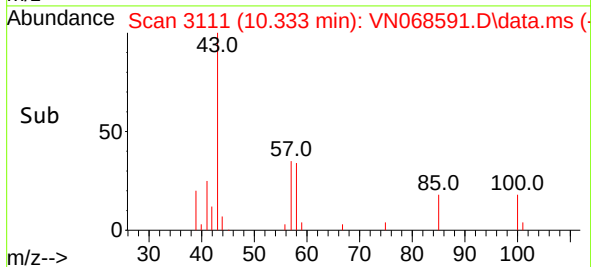
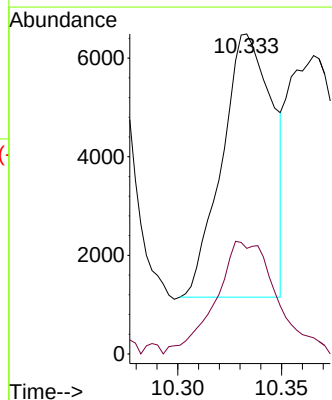
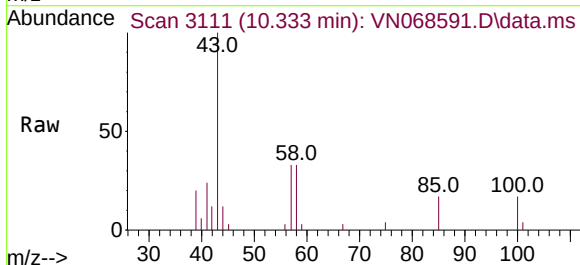
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

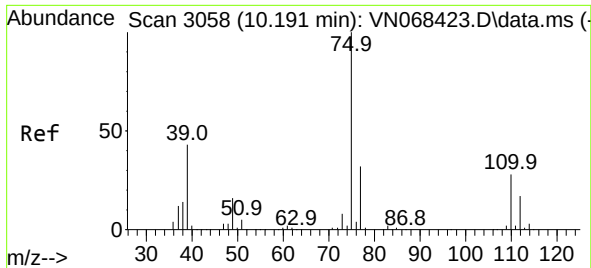
Tgt Ion: 98 Resp: 1254283
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 43 Resp: 9045
Ion Ratio Lower Upper
43 100
58 51.5 34.3 51.5#

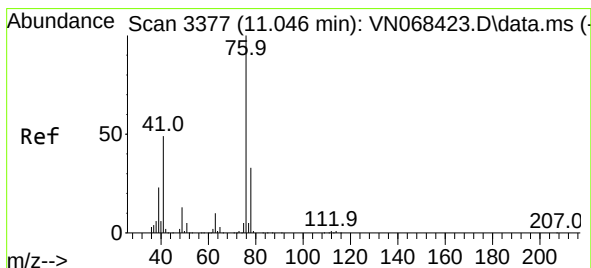
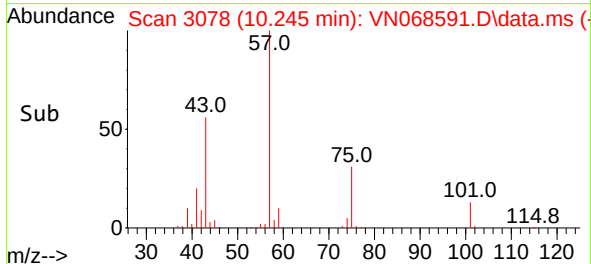
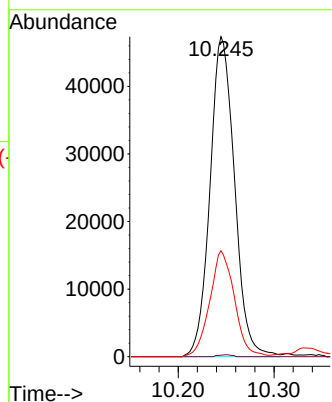
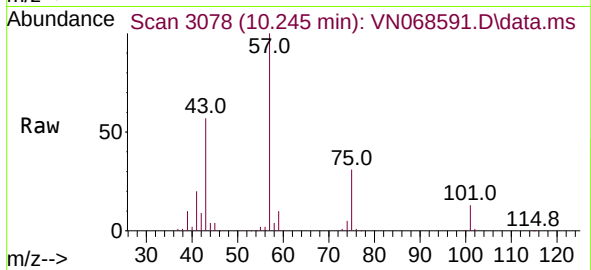




#54
 cis-1,3-Dichloropropene
 Concen: 8.859 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068591.D
 Acq: 21 Sep 2021 18:58

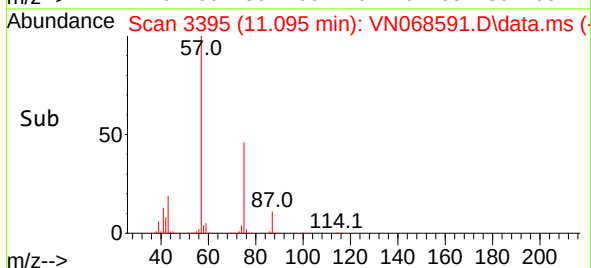
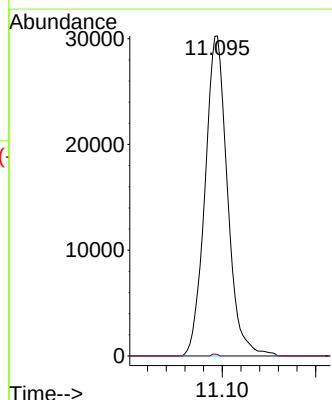
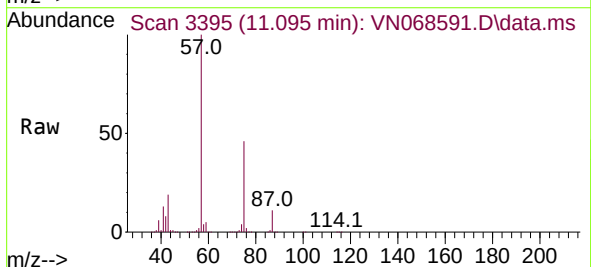
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139153ZHE#01

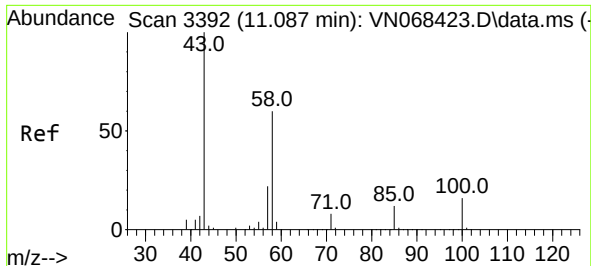
Tgt Ion: 75 Resp: 84085
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 33.1 34.6 52.0#



#57
 1,3-Dichloropropane
 Concen: 5.019 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.049 min
 Lab File: VN068591.D
 Acq: 21 Sep 2021 18:58

Tgt Ion: 76 Resp: 50493
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.9 38.9#

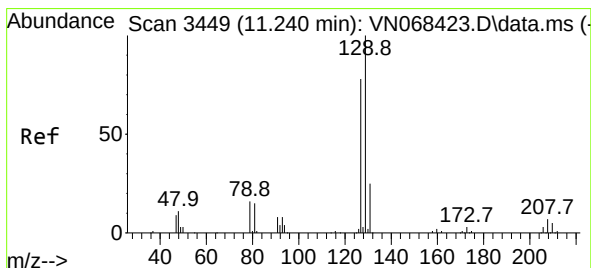
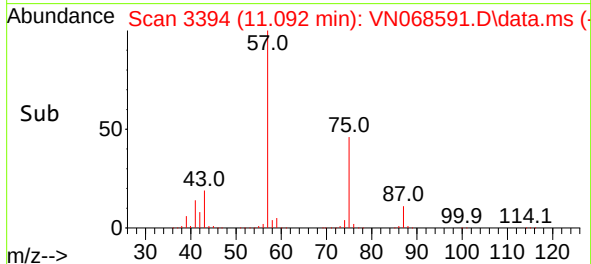
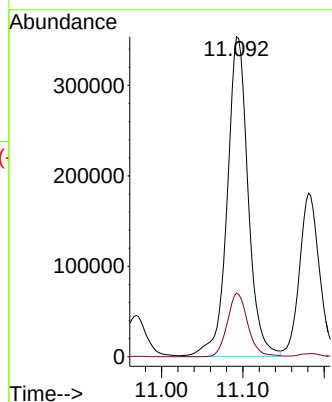
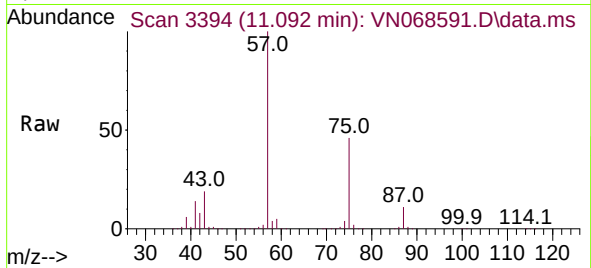




#59
2-Hexanone
Concen: 147.251 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

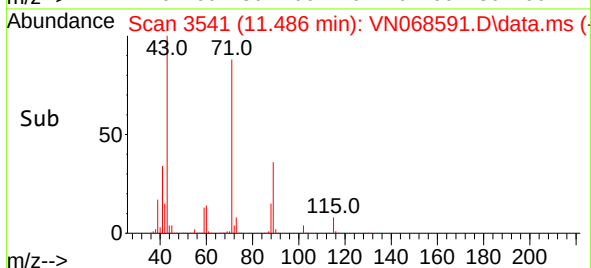
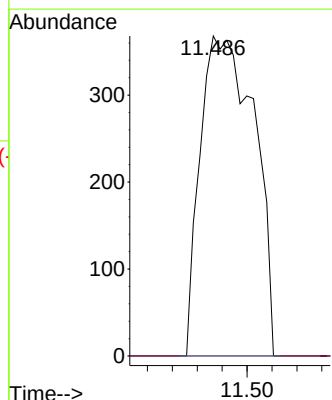
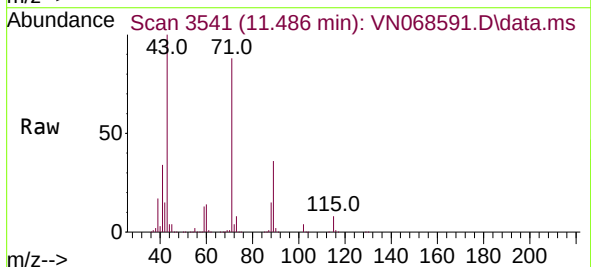
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

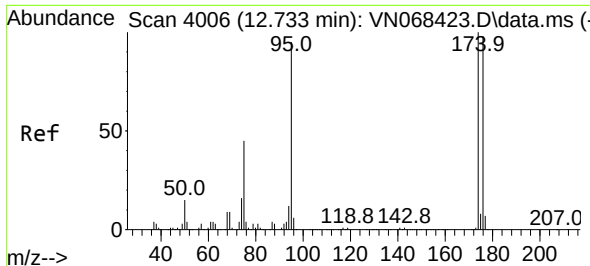
Tgt Ion: 43 Resp: 632815
Ion Ratio Lower Upper
43 100
58 19.5 30.0 90.1#



#60
Dibromochloromethane
Concen: 1.862 ug/l
RT: 11.486 min Scan# 3541
Delta R.T. 0.246 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion:129 Resp: 553
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

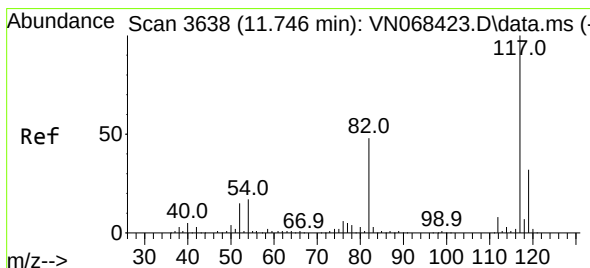
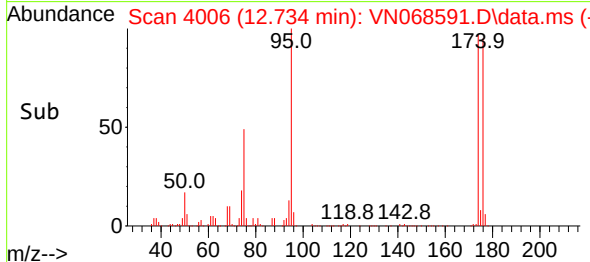
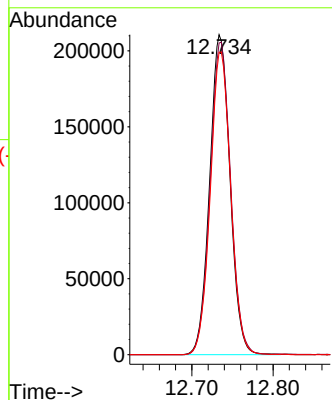
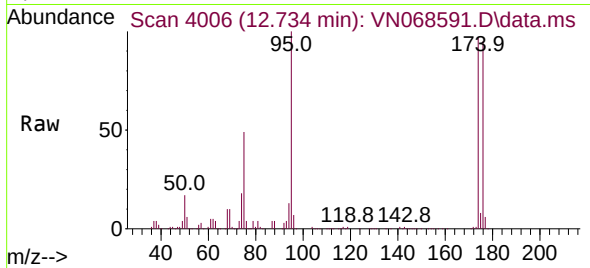




#62
4-Bromofluorobenzene
Concen: 45.161 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

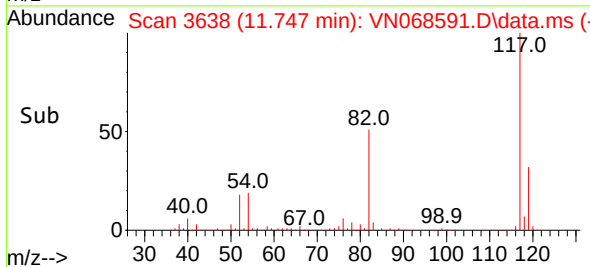
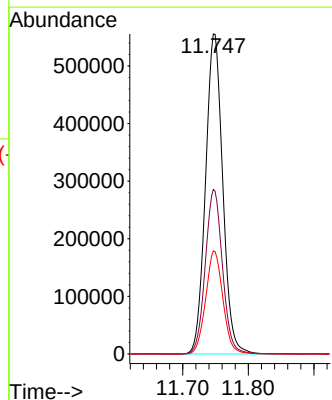
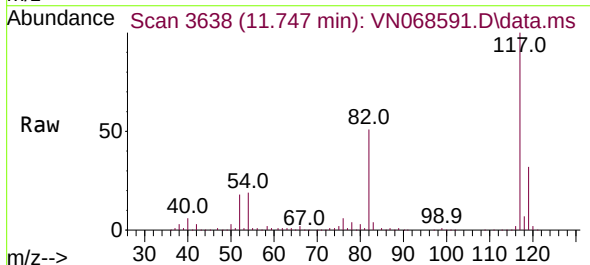
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

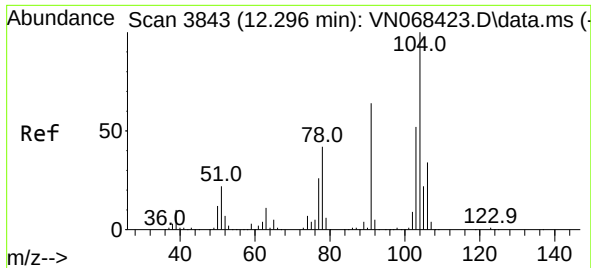
Tgt Ion: 95 Resp: 366369
Ion Ratio Lower Upper
95 100
174 98.5 0.0 214.0
176 94.8 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 117 Resp: 1012043
Ion Ratio Lower Upper
117 100
82 51.4 38.7 58.1
119 32.2 25.5 38.3

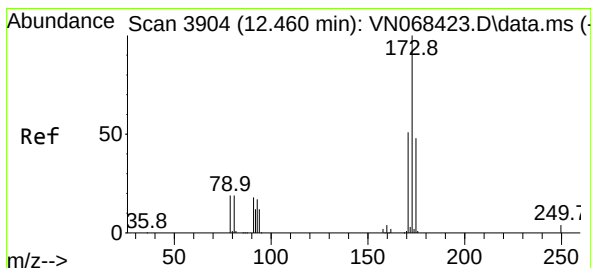
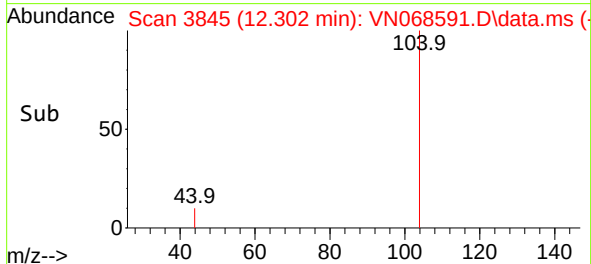
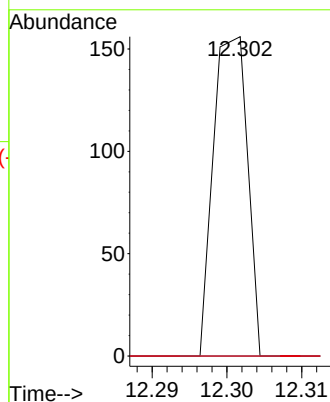
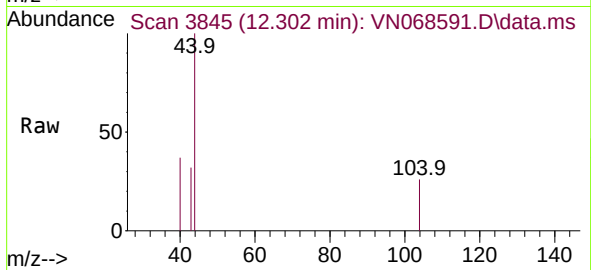




#70
Styrene
Concen: 1.756 ug/l
RT: 12.302 min Scan# 3845
Delta R.T. 0.006 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

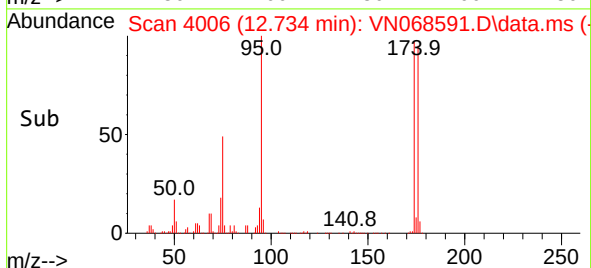
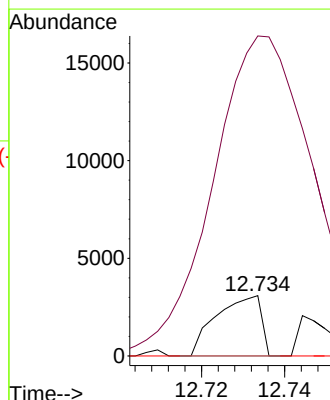
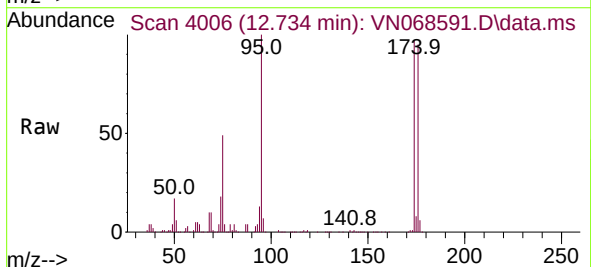
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

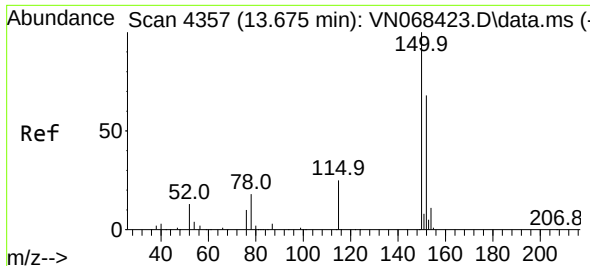
Tgt Ion:104	Resp:	49
Ion Ratio	Lower	Upper
104	100	
78	0.0	36.2 54.2#
103	0.0	44.4 66.6#



#71
Bromoform
Concen: 2.812 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

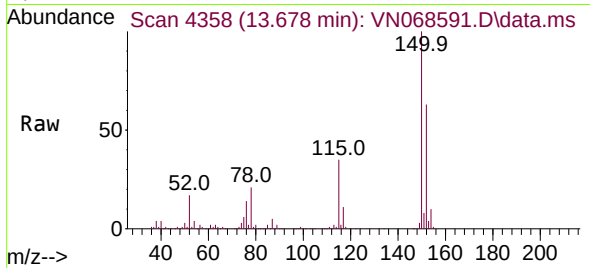
Tgt Ion:173	Resp:	2325
Ion Ratio	Lower	Upper
173	100	
175	1100.0	24.1 72.3#
254	0.0	0.0 0.0



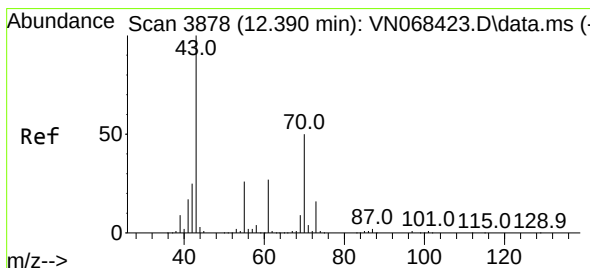
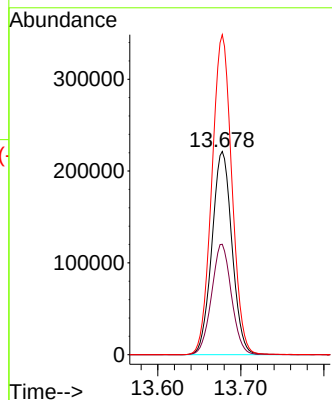
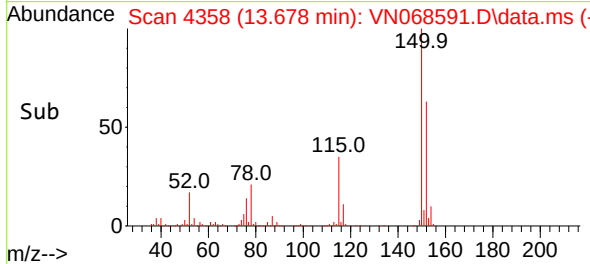


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

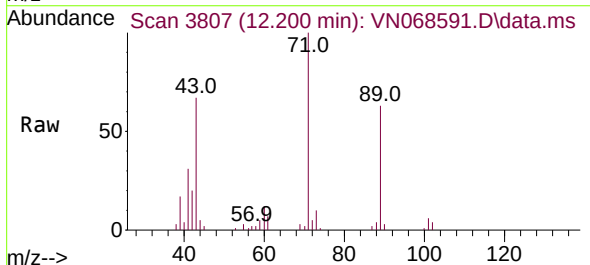
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01



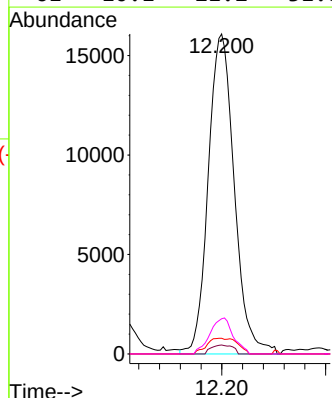
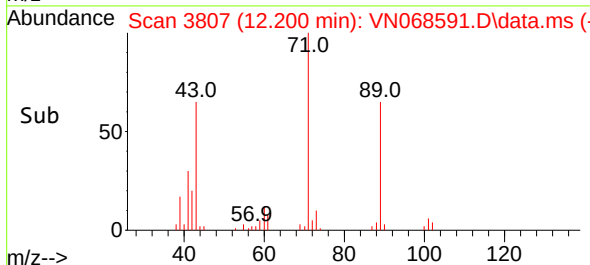
Tgt Ion:152 Resp: 371513
Ion Ratio Lower Upper
152 100
115 53.9 25.6 76.6
150 157.1 0.0 346.8

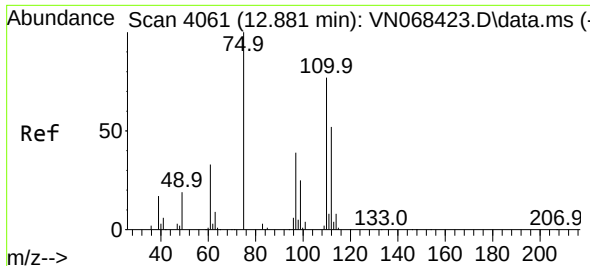


#74
N-ethyl acetate
Concen: 4.749 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58



Tgt Ion: 43 Resp: 27991
Ion Ratio Lower Upper
43 100
70 2.3 40.0 60.0#
55 5.8 21.1 31.7#
61 10.1 21.2 31.8#

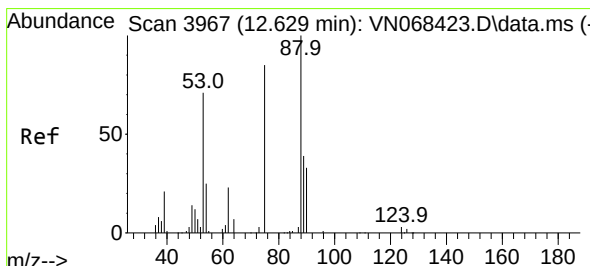
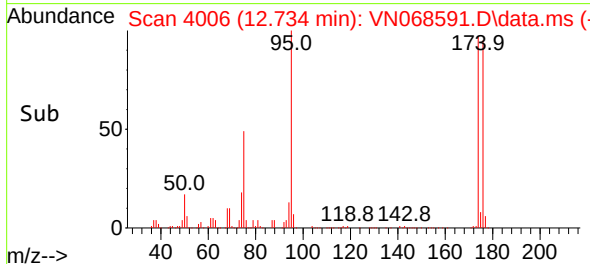
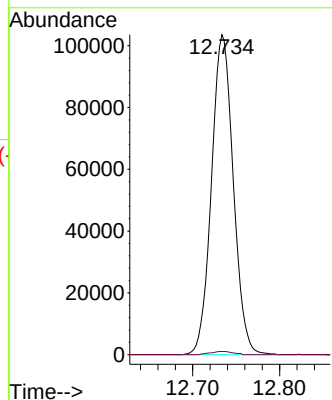
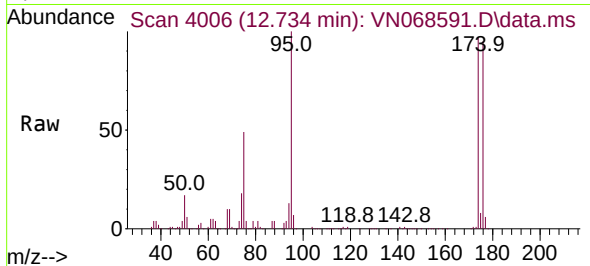




#76
1,2,3-Trichloropropane
Concen: 35.000 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

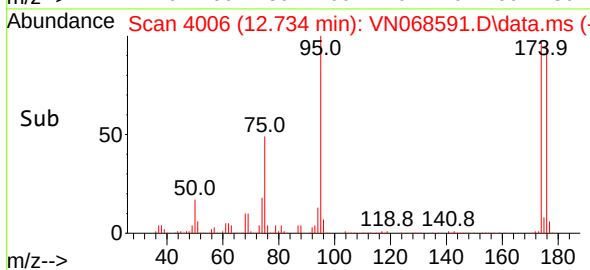
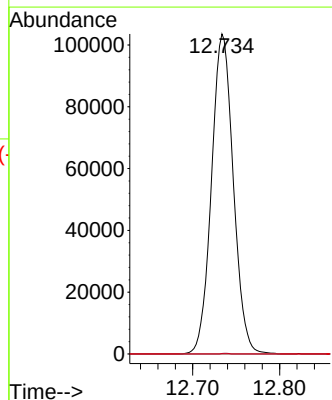
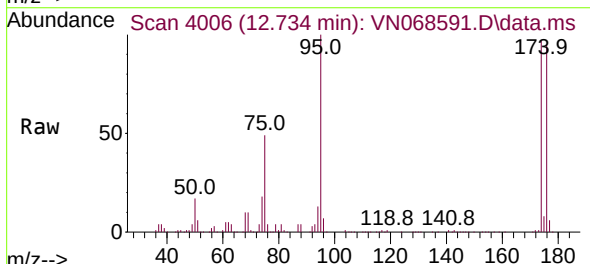
Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

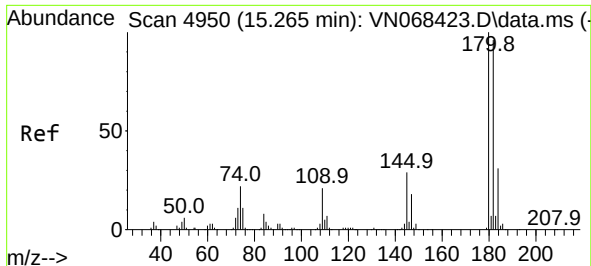
Tgt Ion: 75 Resp: 180493
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.670 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion: 75 Resp: 180493
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 39.5 59.3#

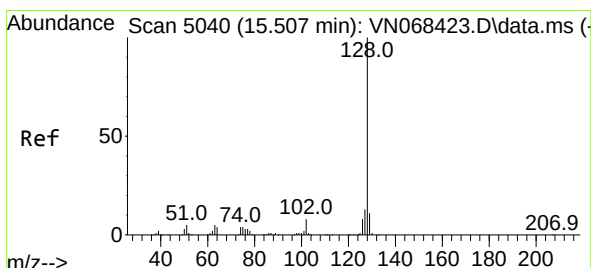
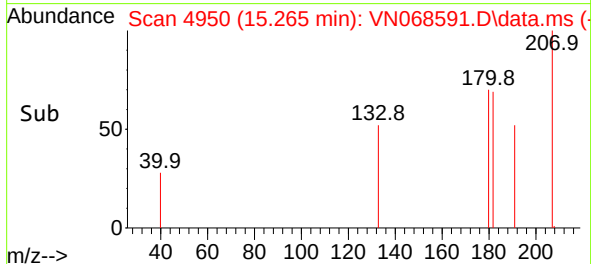
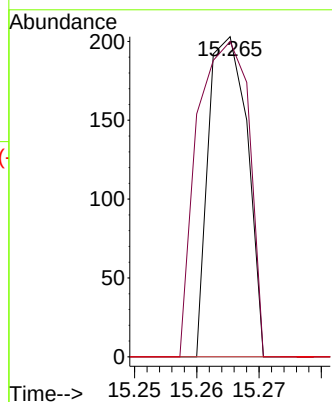
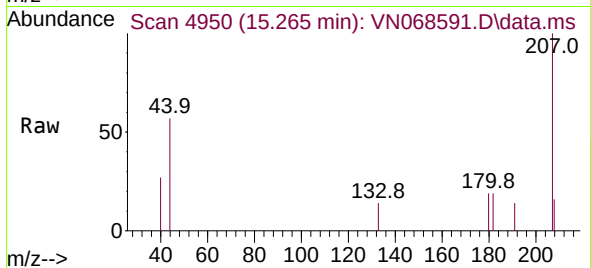




#93
1,2,4-Trichlorobenzene
Concen: 2.971 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Instrument :
MSVOA_N
ClientSampleId :
PB139153ZHE#01

Tgt Ion:180 Resp: 88
Ion Ratio Lower Upper
180 100
182 130.7 47.5 142.6
145 0.0 14.1 42.4#



#95
Naphthalene
Concen: 3.544 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068591.D
Acq: 21 Sep 2021 18:58

Tgt Ion:128 Resp: 759
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

