

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092921\
 Data File : VN068754.D
 Acq On : 29 Sep 2021 21:36
 Operator : JC/MD
 Sample : M3915-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-20210921

Quant Time: Sep 29 23:44:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	516785	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	875355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	671527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	247299	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	351279	48.785	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.580%
35) Dibromofluoromethane	8.024	113	275492	50.653	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.300%
50) Toluene-d8	10.443	98	1028124	51.731	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.460%
62) 4-Bromofluorobenzene	12.733	95	270198	39.126	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	78.260%

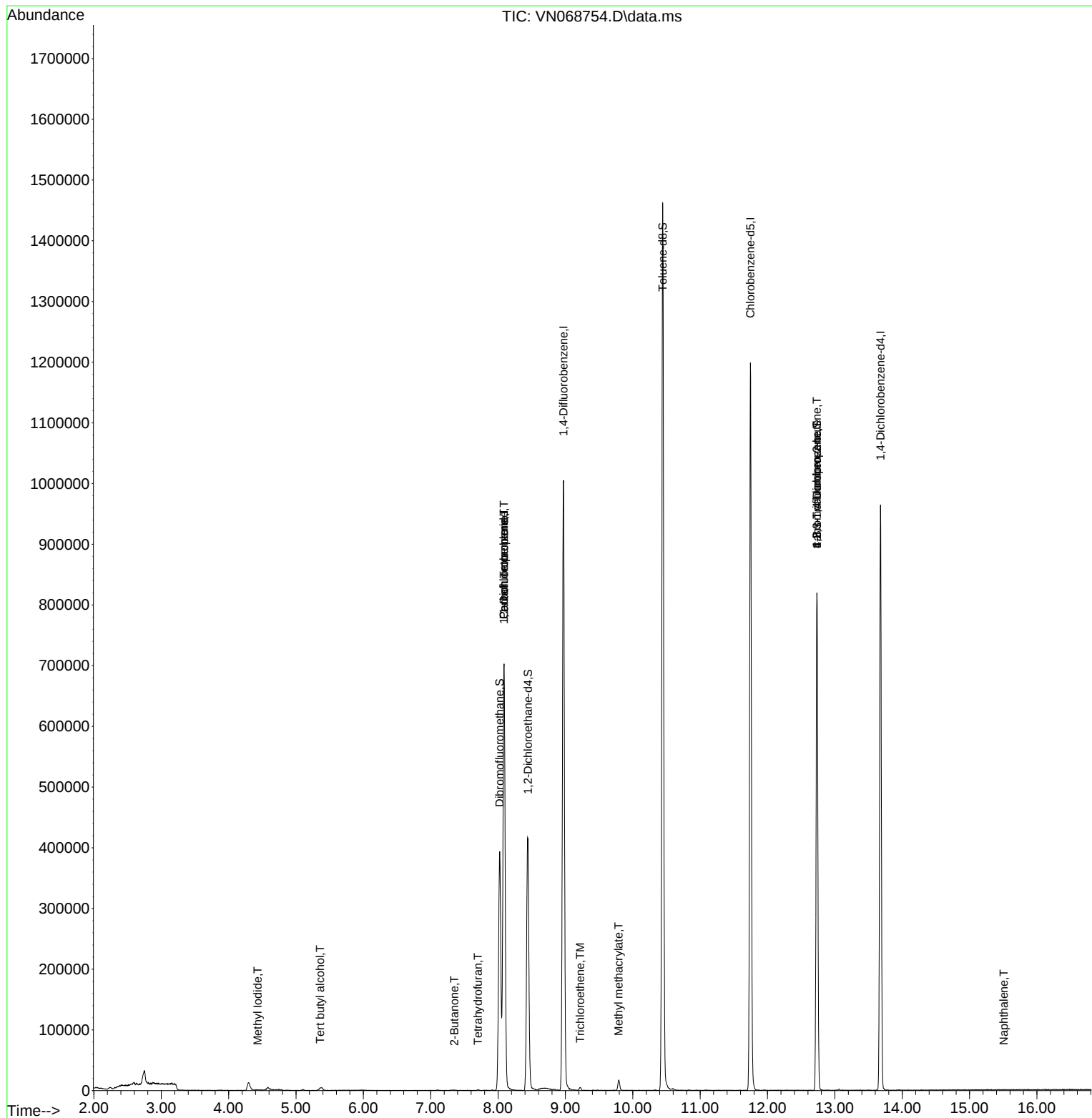
Target Compounds					Qvalue
3) Chloromethane	2.309	50	997	Below Cal	94
5) Bromomethane	2.858	94	512	Below Cal	# 25
6) Chloroethane	3.043	64	266	Below Cal	# 79
10) Methyl Iodide	4.433	142	52	1.361 ug/l	# 33
11) Tert butyl alcohol	5.358	59	4027	4.171 ug/l	# 89
16) Acetone	4.293	43	24651	Below Cal	92
17) Carbon Disulfide	4.551	76	223	Below Cal	# 74
25) 2-Butanone	7.351	43	1389	0.344 ug/l	# 51
29) Tetrahydrofuran	7.699	42	736	0.295 ug/l	# 63
31) Cyclohexane	8.088	56	13947	Below Cal	# 26
36) 1,1-Dichloropropene	8.086	75	43573	5.293 ug/l	# 53
38) Carbon Tetrachloride	8.088	117	55865	5.712 ug/l	# 16
44) Trichloroethene	9.217	130	1779	0.266 ug/l	98
48) Methyl methacrylate	9.789	41	6602	1.094 ug/l	# 41
76) 1,2,3-Trichloropropane	12.733	75	154751	28.138 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	154751	81.798 ug/l	# 6
95) Naphthalene	15.507	128	792	1.513 ug/l	# 69

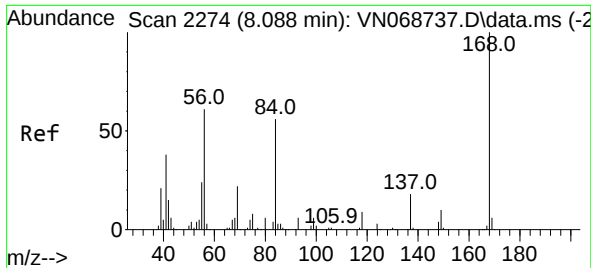
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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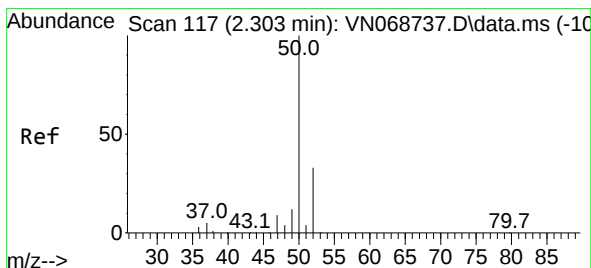
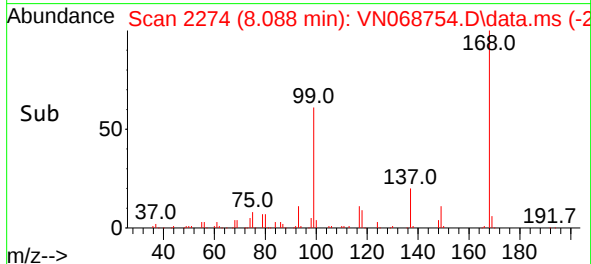
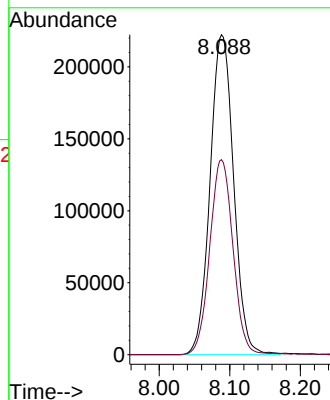
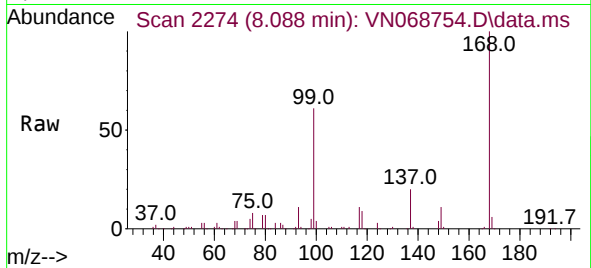




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

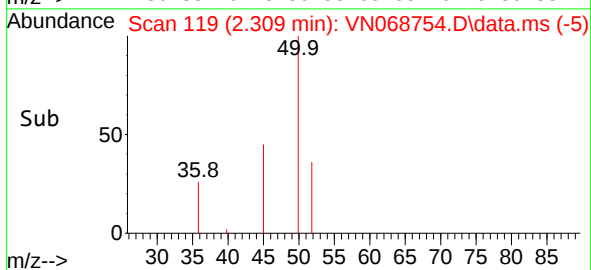
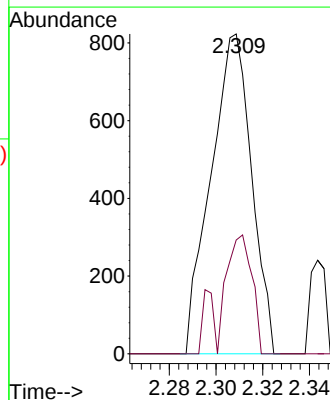
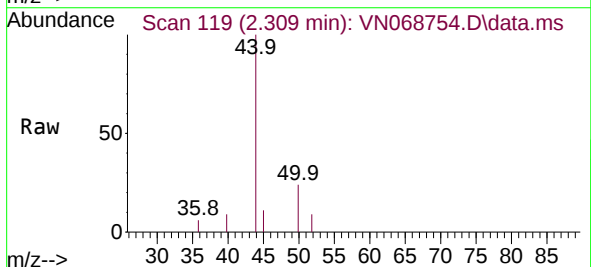
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MSVOA_N
ClientSampleId :
FB02-20210921

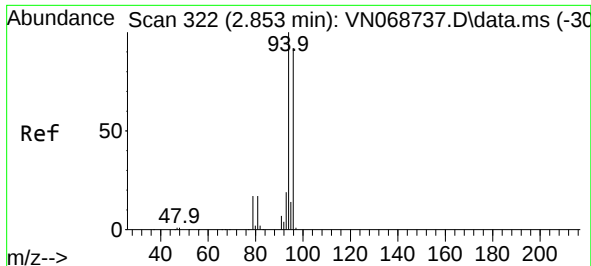
Tgt Ion:168 Resp: 516785
Ion Ratio Lower Upper
168 100
99 61.0 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion: 50 Resp: 997
Ion Ratio Lower Upper
50 100
52 35.6 25.6 38.4

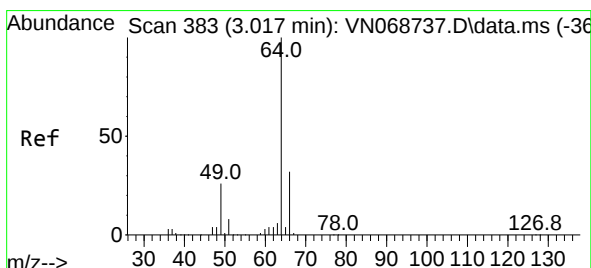
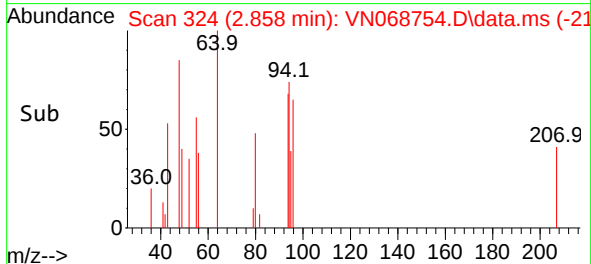
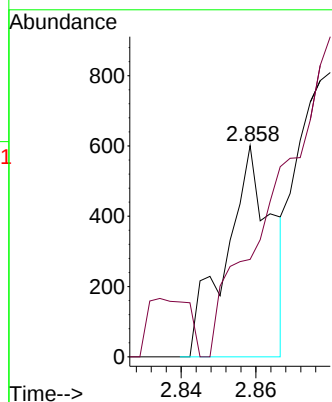
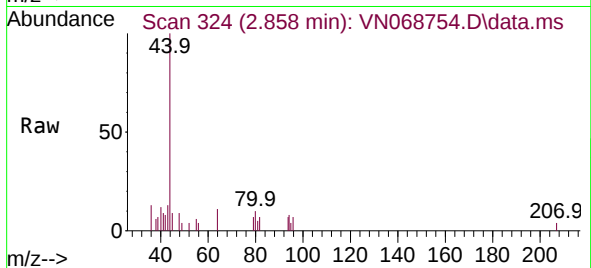




#5
Bromomethane
Concen: Below Cal
RT: 2.858 min Scan# 324
Delta R.T. 0.005 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

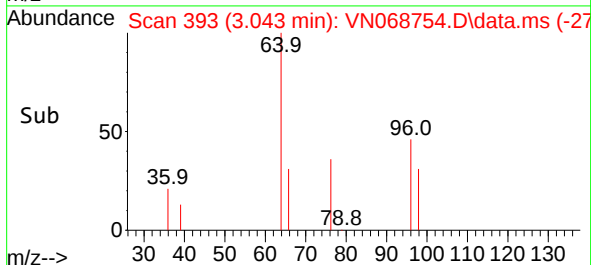
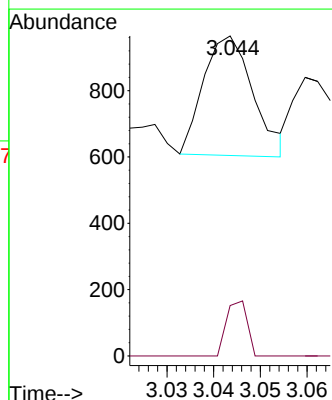
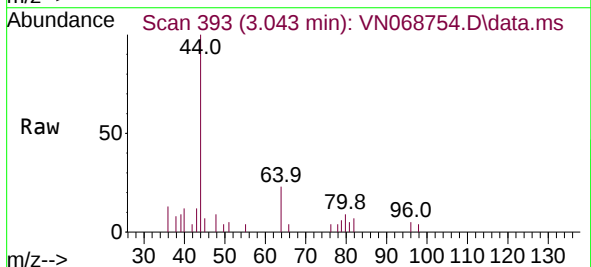
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921

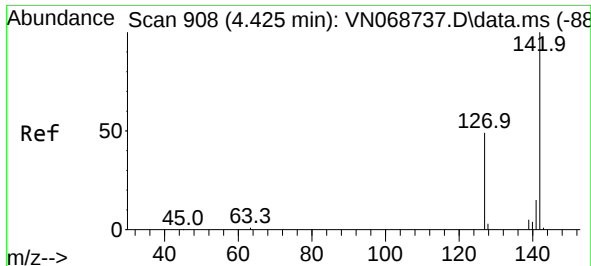
Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 20.1 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.043 min Scan# 393
Delta R.T. 0.026 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 42.7 24.7 37.1#

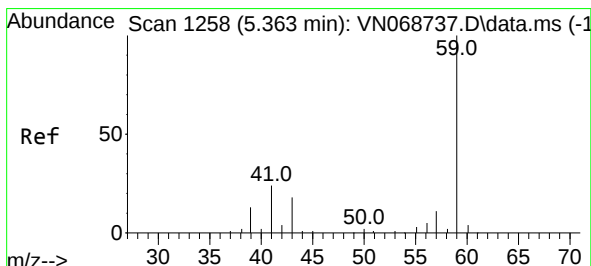
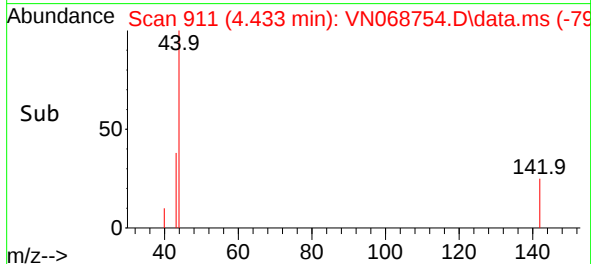
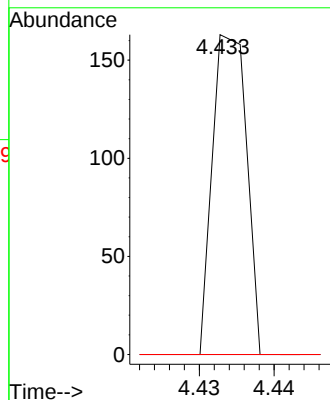
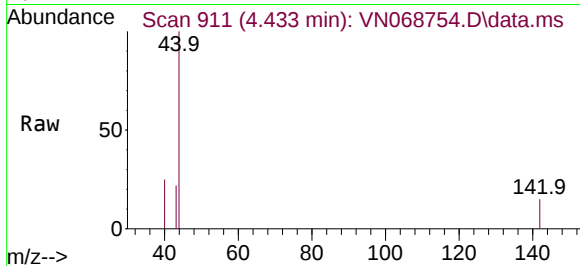




#10
Methyl Iodide
Concen: 1.361 ug/l
RT: 4.433 min Scan# 911
Delta R.T. 0.008 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

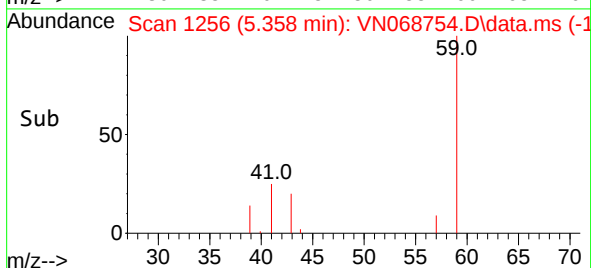
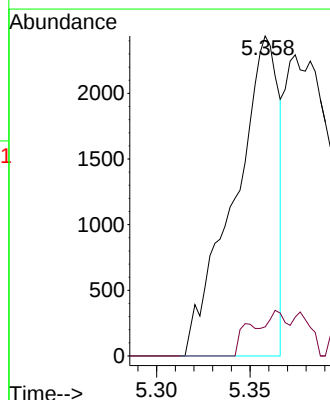
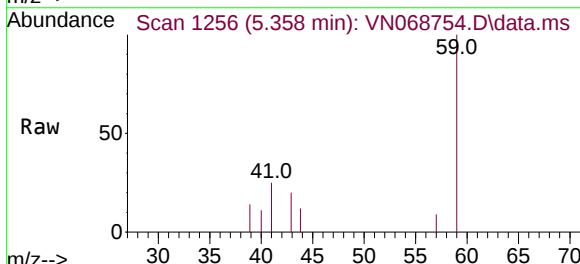
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921

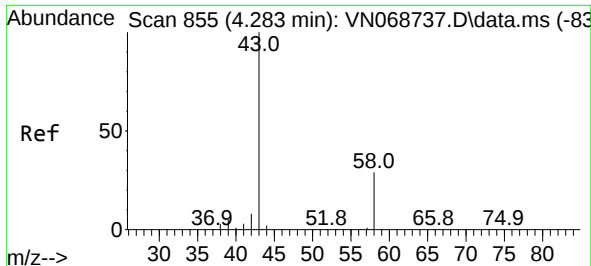
Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 4.171 ug/l
RT: 5.358 min Scan# 1256
Delta R.T. -0.005 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion: 59 Resp: 4027
Ion Ratio Lower Upper
59 100
57 6.6 8.7 13.1#

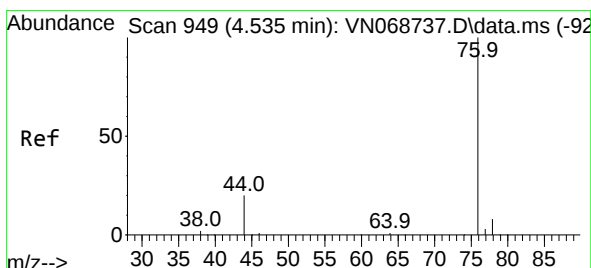
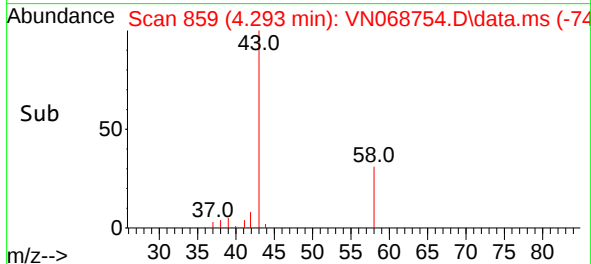
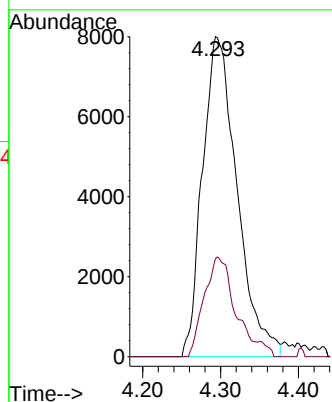
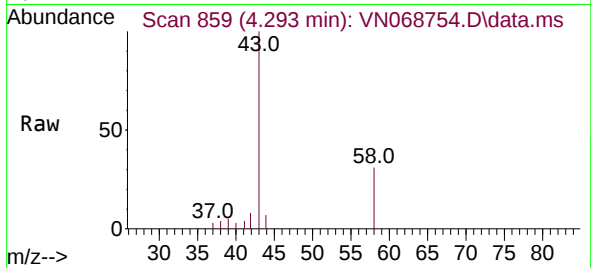




#16
Acetone
Concen: Below Cal
RT: 4.293 min Scan# 859
Delta R.T. 0.010 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

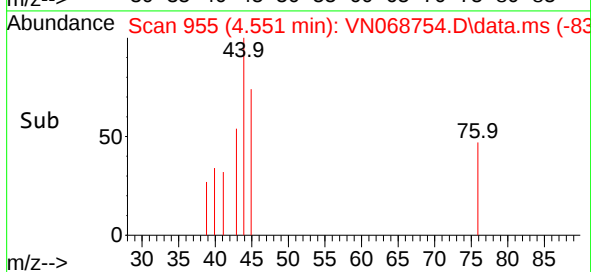
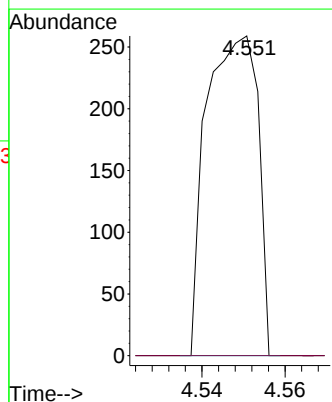
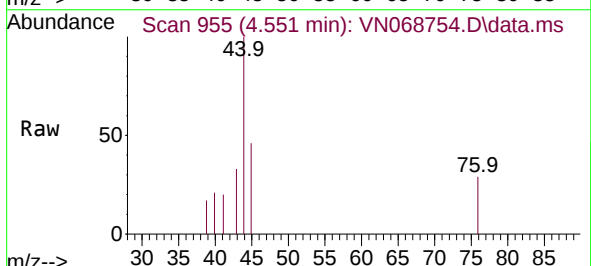
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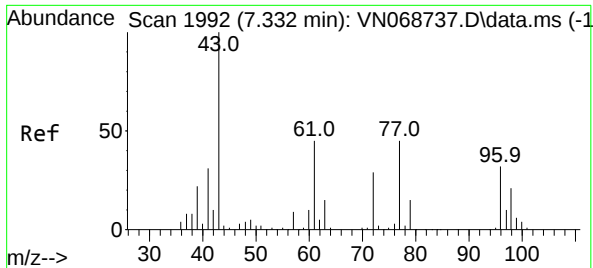
Tgt Ion: 43 Resp: 24651
Ion Ratio Lower Upper
43 100
58 30.6 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.551 min Scan# 955
Delta R.T. 0.016 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion: 76 Resp: 223
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

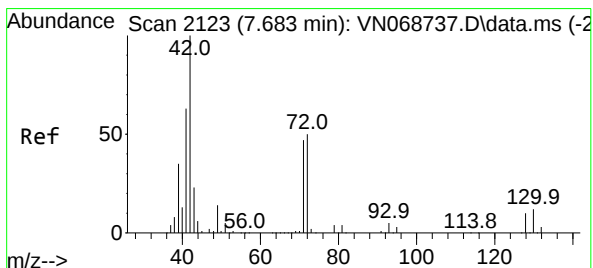
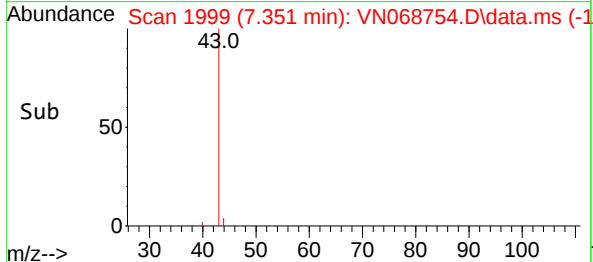
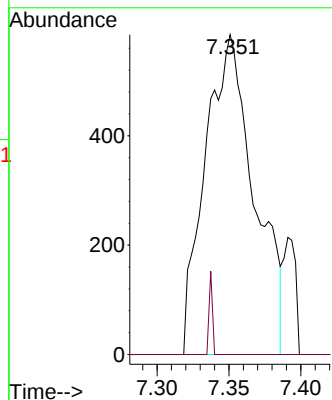
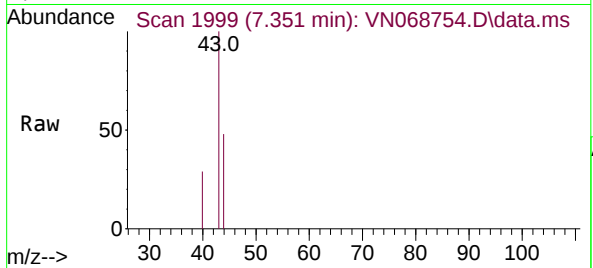




#25
2-Butanone
Concen: 0.344 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

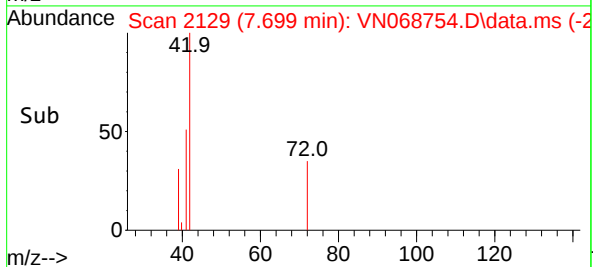
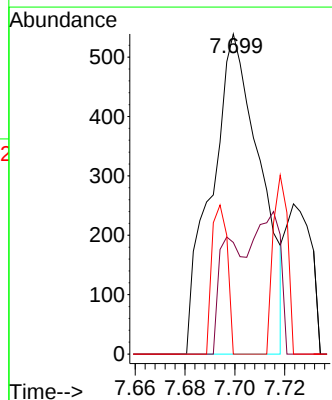
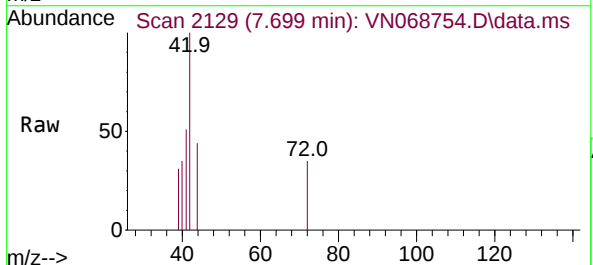
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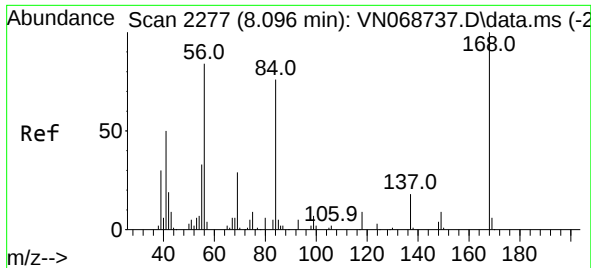
Tgt Ion: 43 Resp: 1389
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.295 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion: 42 Resp: 736
Ion Ratio Lower Upper
42 100
72 19.4 32.8 49.2#
71 14.7 31.2 46.8#

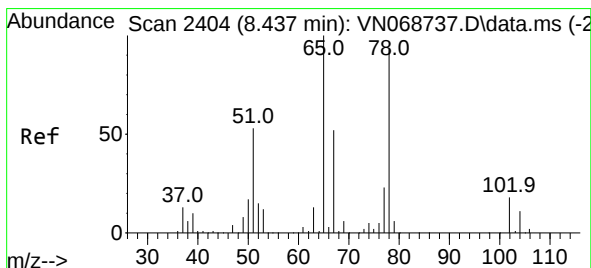
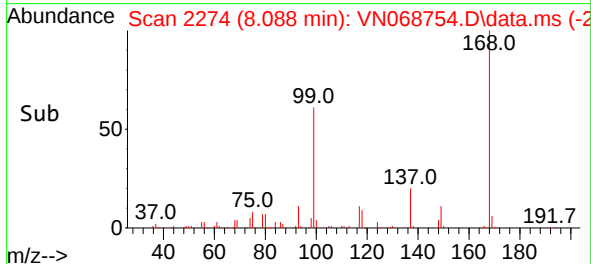
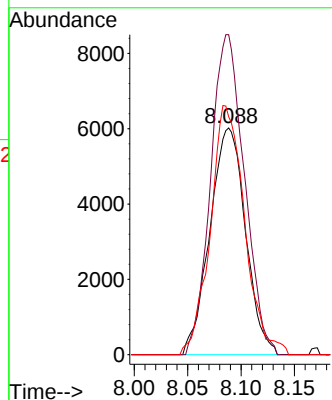
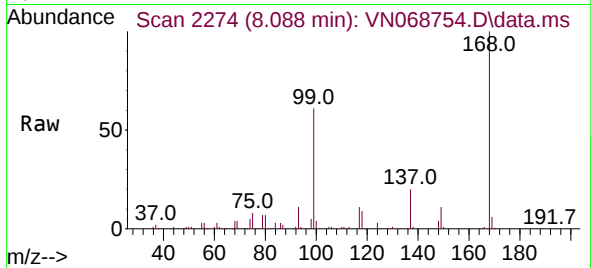




#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

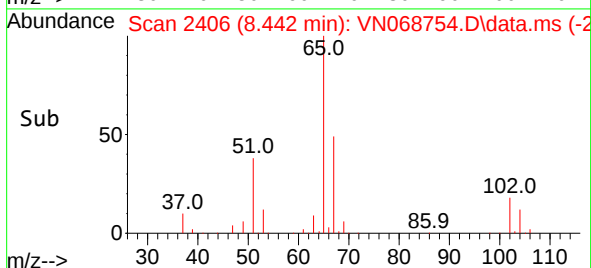
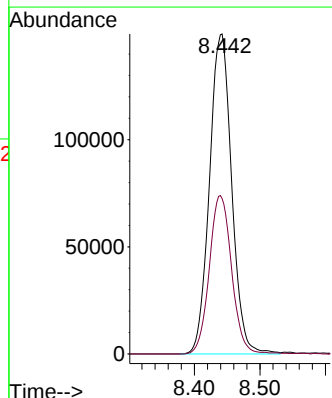
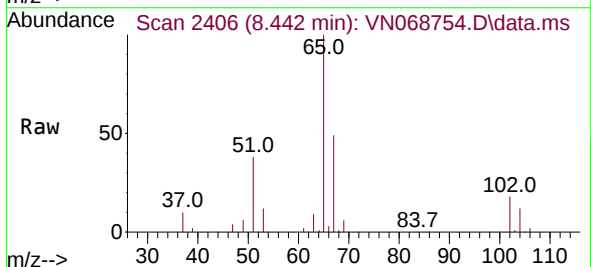
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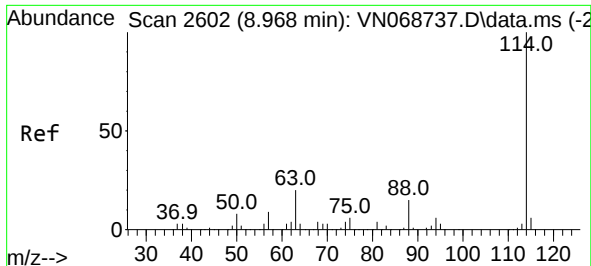
Tgt Ion: 56 Resp: 13947
Ion Ratio Lower Upper
56 100
69 141.1 27.3 40.9#
84 105.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 48.785 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.005 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion: 65 Resp: 351279
Ion Ratio Lower Upper
65 100
67 49.6 0.0 98.6

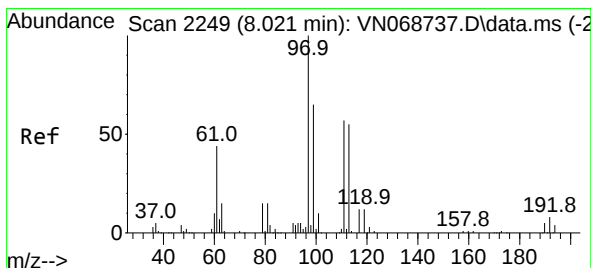
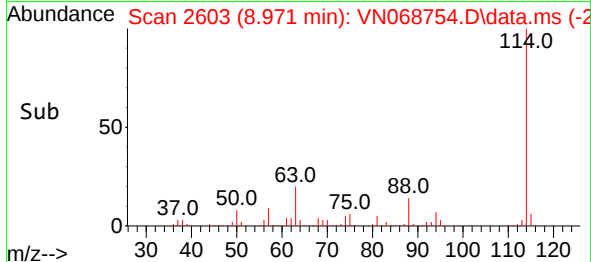
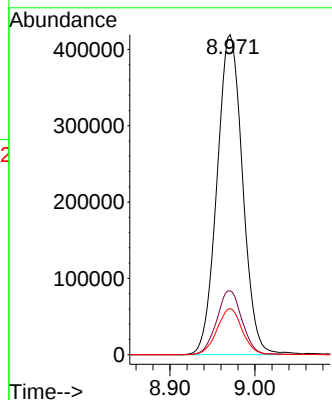
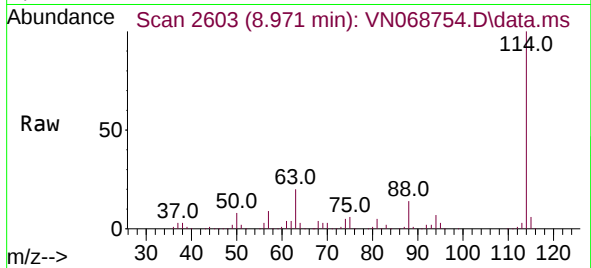




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

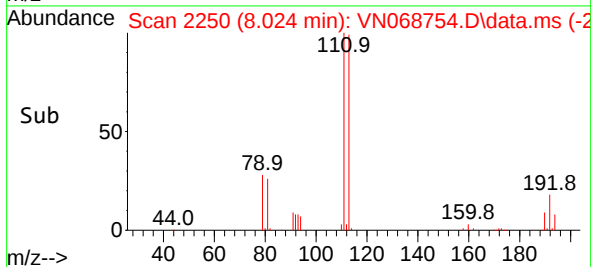
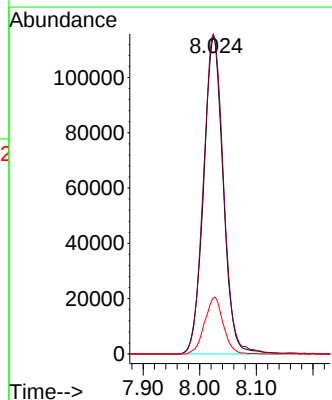
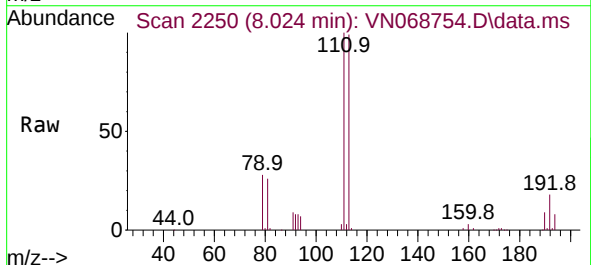
Instrument :
MSVOA_N
ClientSampleId :
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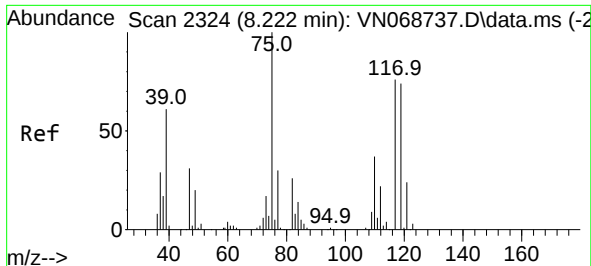
Tgt Ion:114 Resp: 875355
Ion Ratio Lower Upper
114 100
63 20.0 0.0 49.0
88 14.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.653 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion:113 Resp: 275492
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.8
192 17.0 13.4 20.0

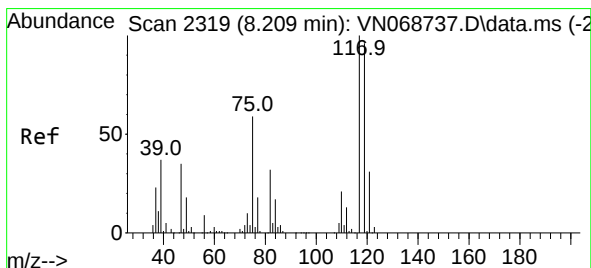
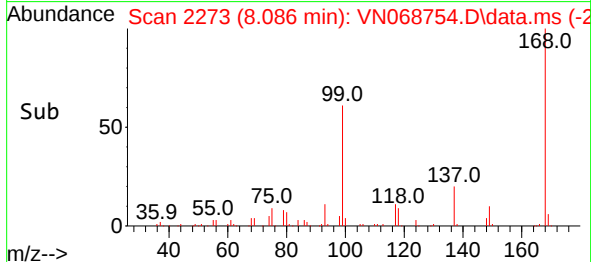
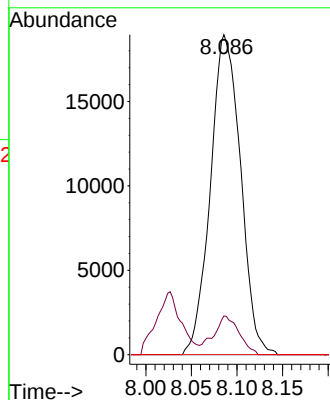
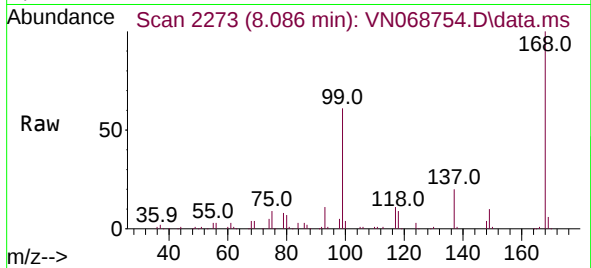




#36
1,1-Dichloropropene
Concen: 5.293 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

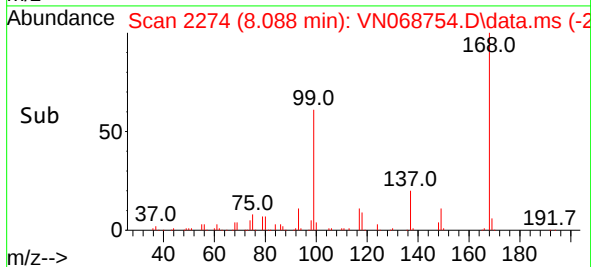
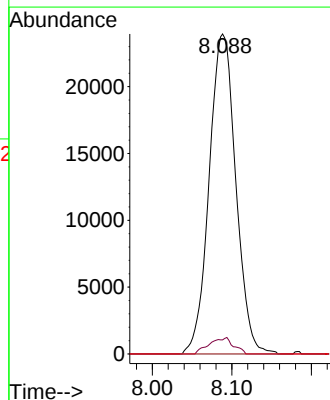
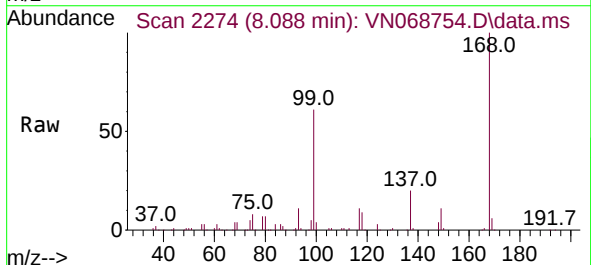
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921

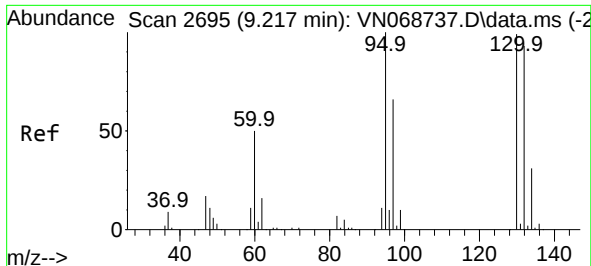
Tgt Ion: 75 Resp: 43573
Ion Ratio Lower Upper
75 100
110 10.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.712 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion: 117 Resp: 55865
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.2#
121 0.0 23.5 35.3#

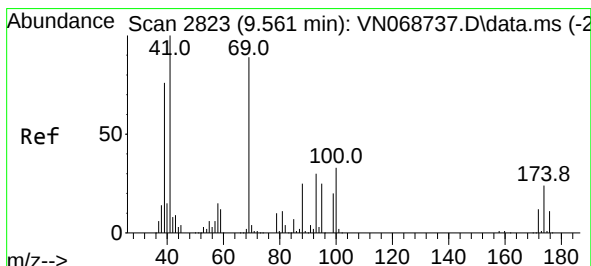
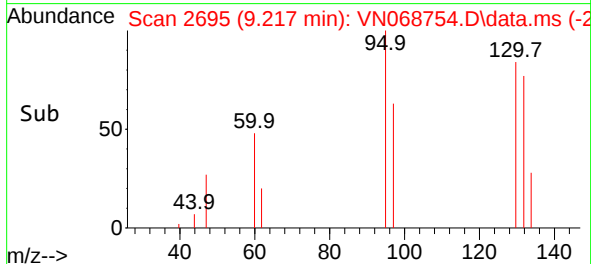
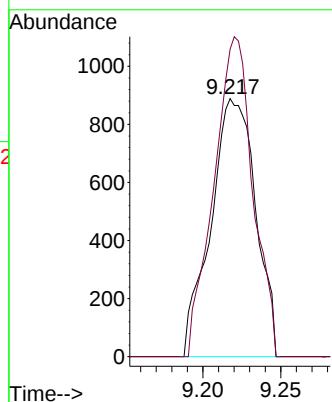
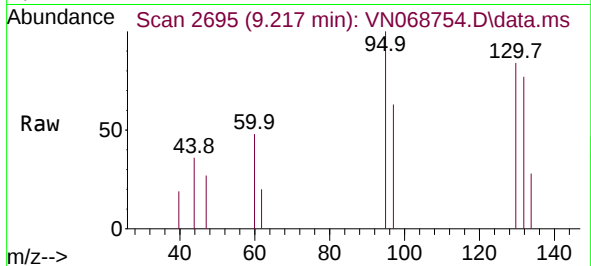




#44
Trichloroethene
Concen: 0.266 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

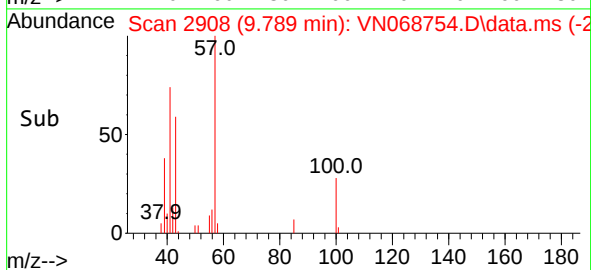
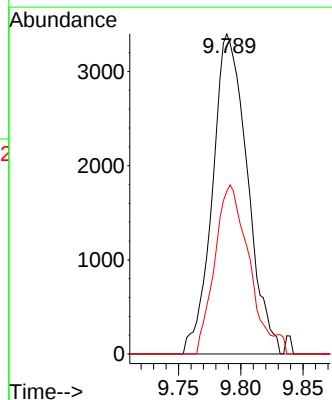
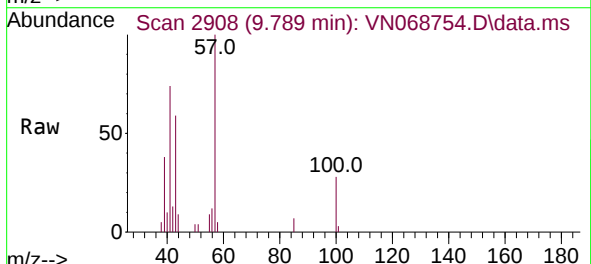
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921

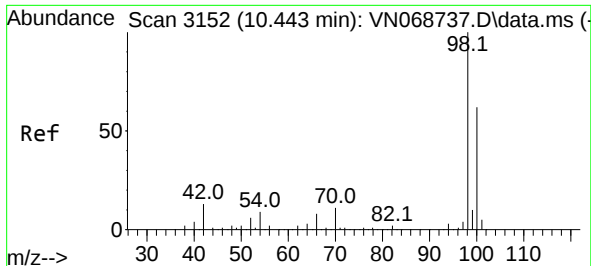
Tgt Ion:130 Resp: 1779
Ion Ratio Lower Upper
130 100
95 119.1 0.0 234.4



#48
Methyl methacrylate
Concen: 1.094 ug/l
RT: 9.789 min Scan# 2908
Delta R.T. 0.228 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion: 41 Resp: 6602
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 51.1 53.3 79.9#

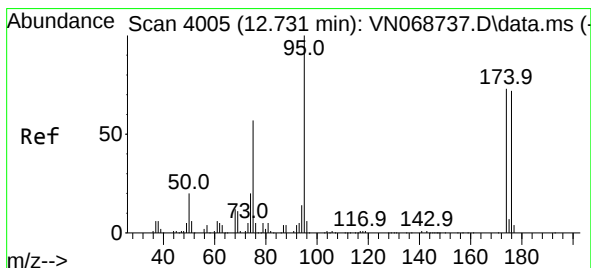
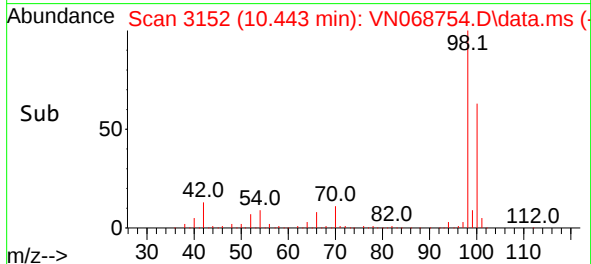
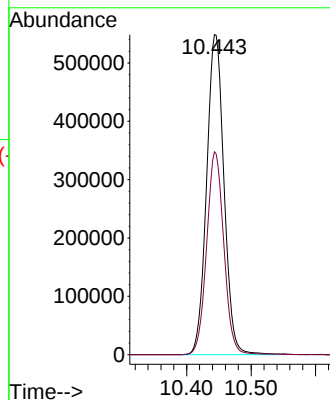
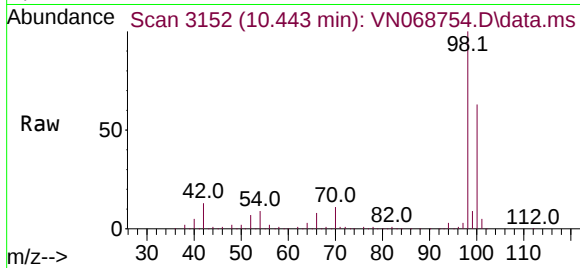




#50
Toluene-d8
Concen: 51.731 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

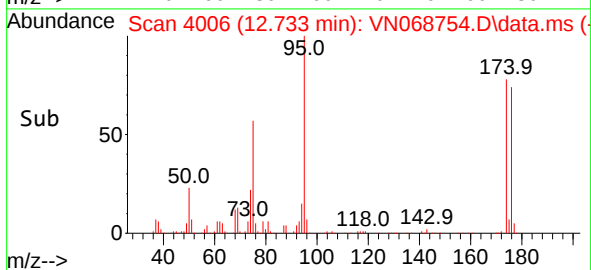
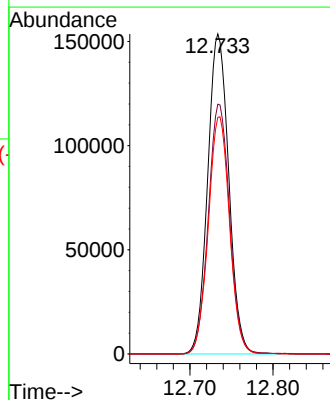
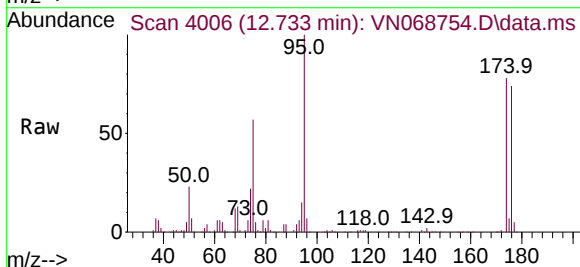
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921

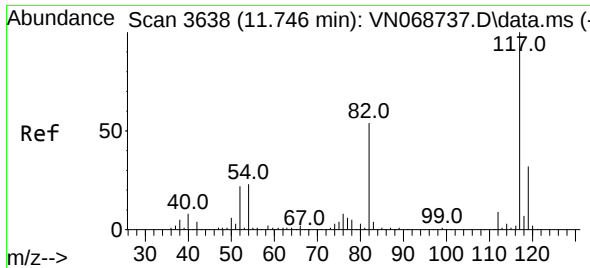
Tgt Ion: 98 Resp: 1028124
Ion Ratio Lower Upper
98 100
100 62.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 39.126 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion: 95 Resp: 270198
Ion Ratio Lower Upper
95 100
174 79.0 0.0 122.0
176 74.7 0.0 117.6

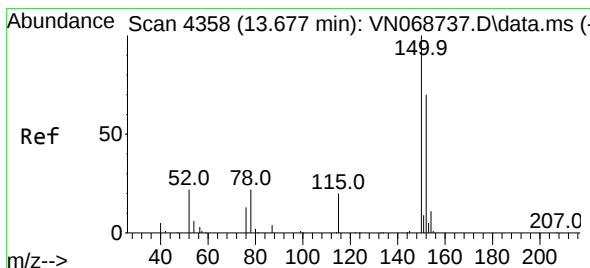
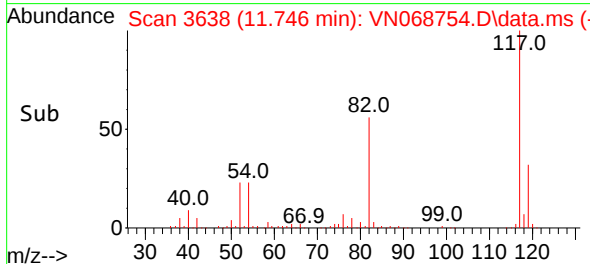
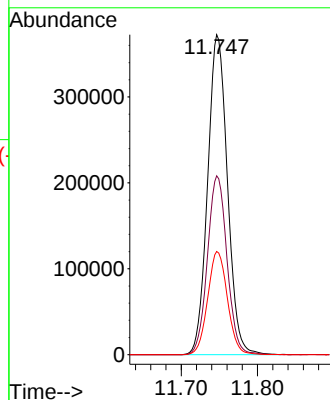
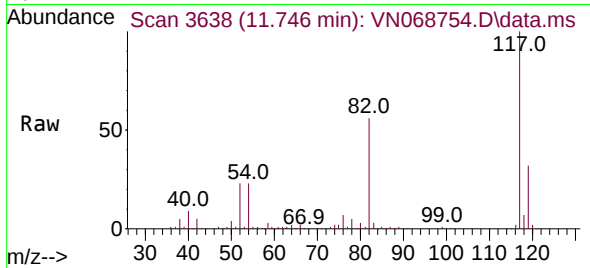




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

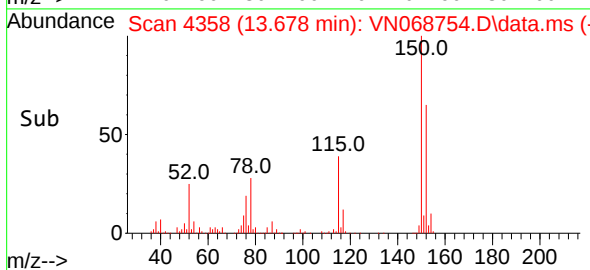
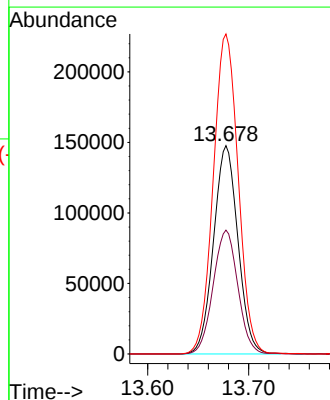
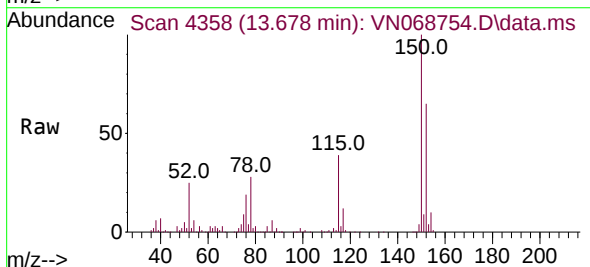
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921

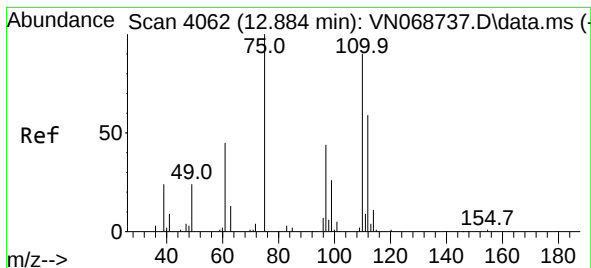
Tgt Ion:117 Resp: 671527
Ion Ratio Lower Upper
117 100
82 55.9 53.1 79.7
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Tgt Ion:152 Resp: 247299
Ion Ratio Lower Upper
152 100
115 60.2 36.1 108.5
150 156.7 0.0 351.8

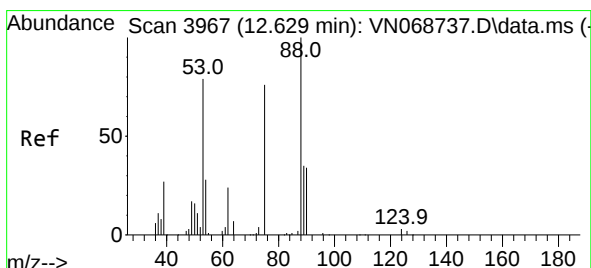
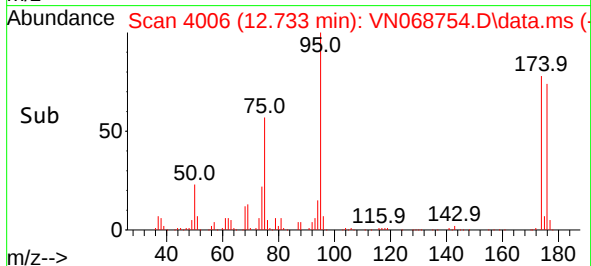
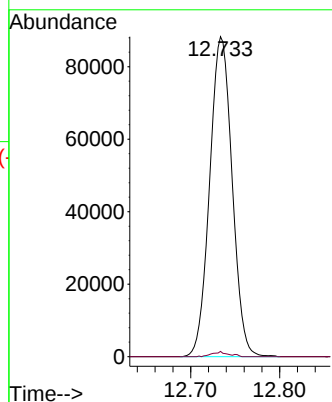
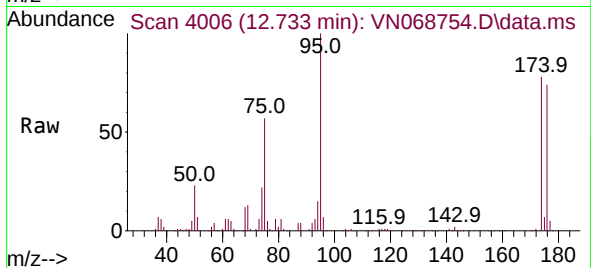




#76
1,2,3-Trichloropropane
Concen: 28.138 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

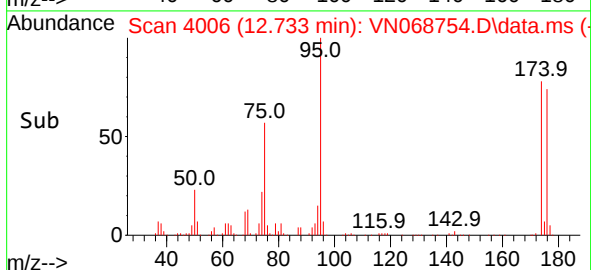
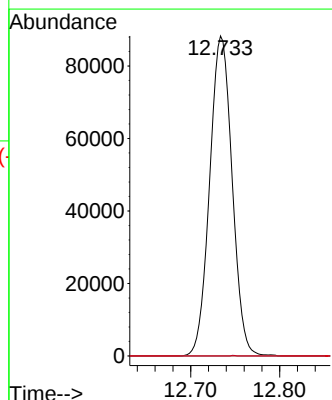
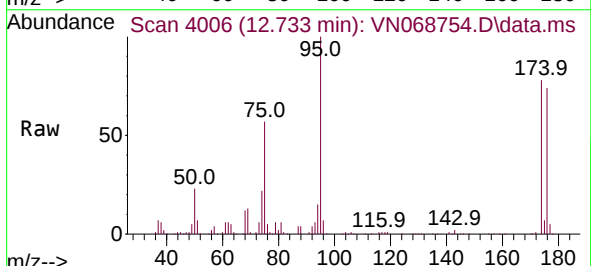
Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921

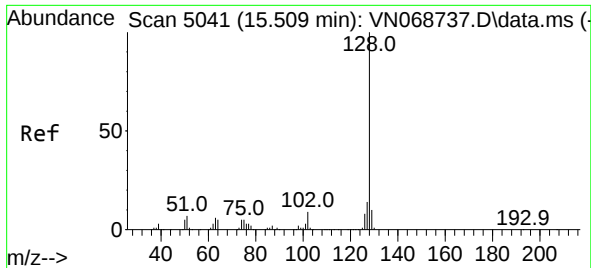
Tgt Ion: 75 Resp: 154751
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.798 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

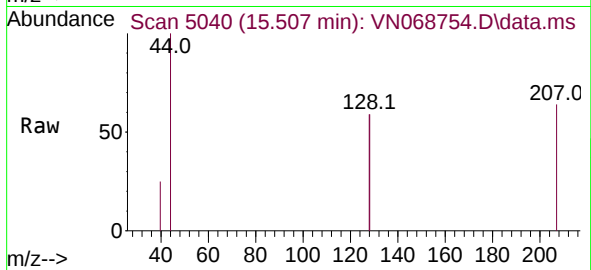
Tgt Ion: 75 Resp: 154751
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.513 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068754.D
Acq: 29 Sep 2021 21:36

Instrument :
MSVOA_N
ClientSampleId :
FB02-20210921



Tgt Ion:	128	Resp:	792
Ion Ratio	100	Lower	Upper
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

