

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092921\
 Data File : VN068753.D
 Acq On : 29 Sep 2021 21:11
 Operator : JC/MD
 Sample : M3915-04 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-20210921DL

Quant Time: Sep 29 23:44:30 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)

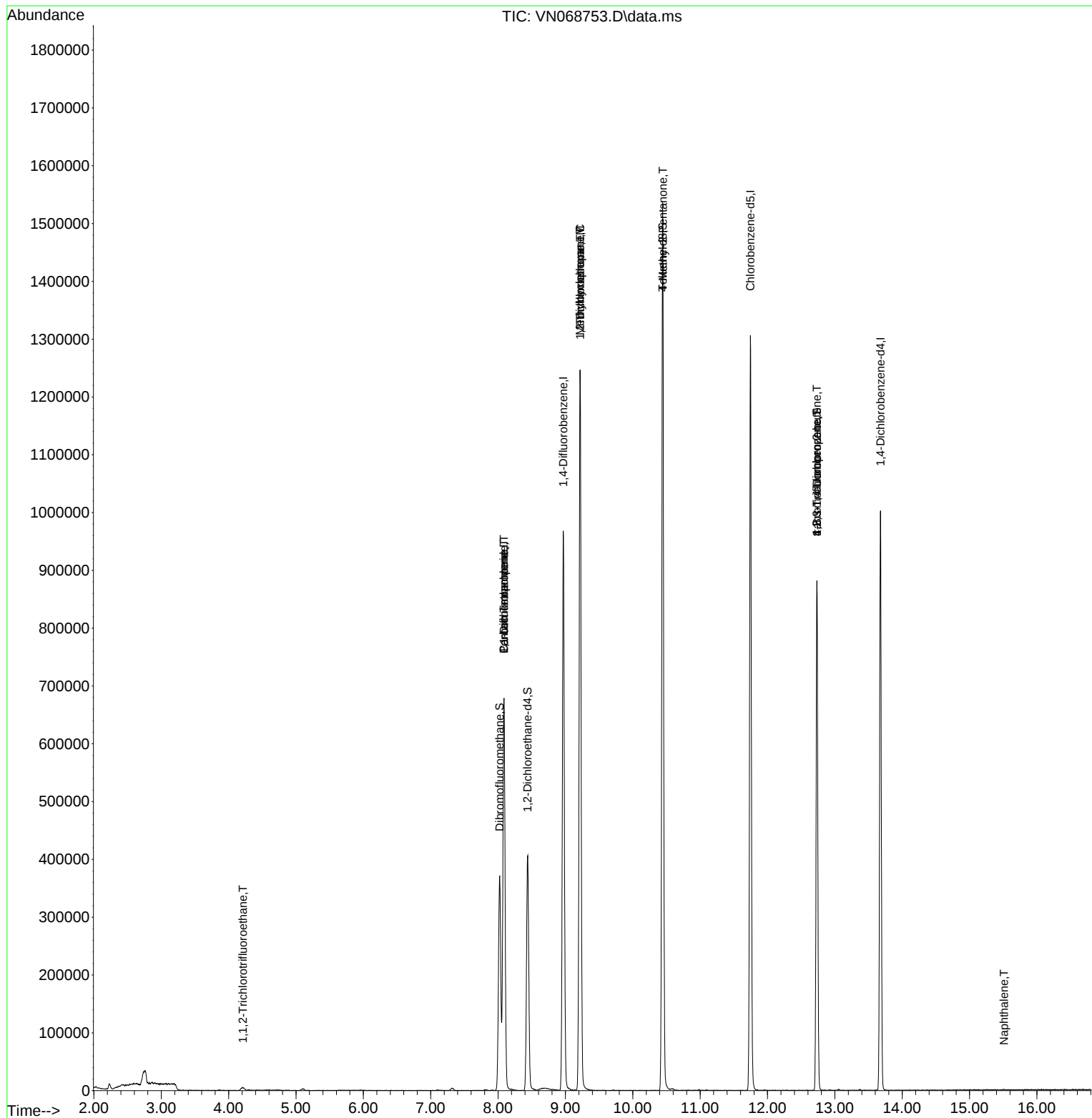
Internal Standards						
1) Pentafluorobenzene	8.088	168	485705	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	833988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	727800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	251781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	335605	49.591	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.180%		
35) Dibromofluoromethane	8.024	113	263609	50.872	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.740%		
50) Toluene-d8	10.443	98	1045726	55.227	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	110.460%		
62) 4-Bromofluorobenzene	12.734	95	281388	42.767	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.540%		
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	1118	Below Cal		95
5) Bromomethane	2.864	94	1866	Below Cal		83
6) Chloroethane	3.038	64	220	Below Cal	#	44
9) 1,1,2-Trichlorotrifluo...	4.210	101	2767	0.519 ug/l	#	70
13) Acrolein	4.039	56	24	Below Cal	#	14
16) Acetone	4.299	43	1691	Below Cal		100
17) Carbon Disulfide	4.532	76	379	Below Cal	#	74
31) Cyclohexane	8.086	56	13413	Below Cal	#	34
36) 1,1-Dichloropropene	8.088	75	44157	5.630 ug/l	#	52
38) Carbon Tetrachloride	8.088	117	54137	5.810 ug/l	#	16
39) Methylcyclohexane	9.215	83	6260	0.689 ug/l	#	1
44) Trichloroethene	9.218	130	425452	66.736 ug/l		85
45) 1,2-Dichloropropane	9.220	63	1673	0.272 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.446	43	5366	0.648 ug/l	#	1
76) 1,2,3-Trichloropropane	12.734	75	165205	29.504 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.734	75	165205	85.769 ug/l	#	6
95) Naphthalene	15.509	128	1251	1.549 ug/l	#	69

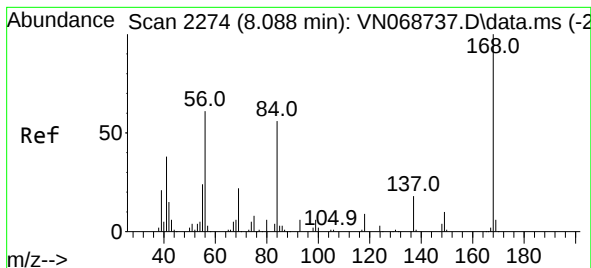
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068753.D

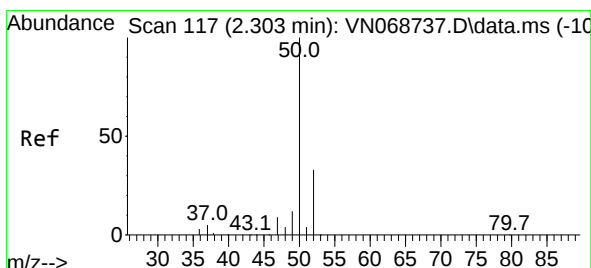
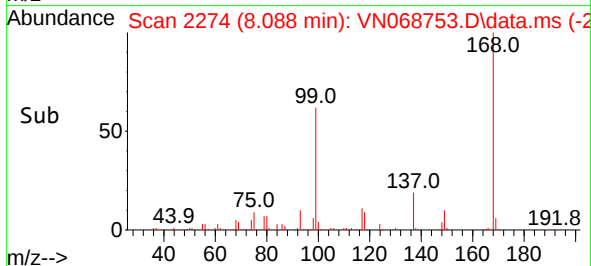
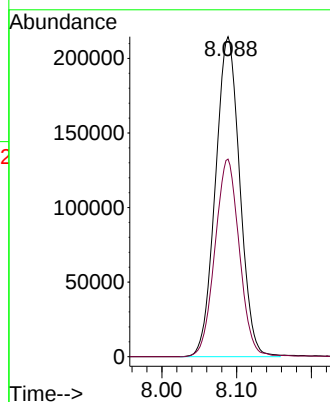
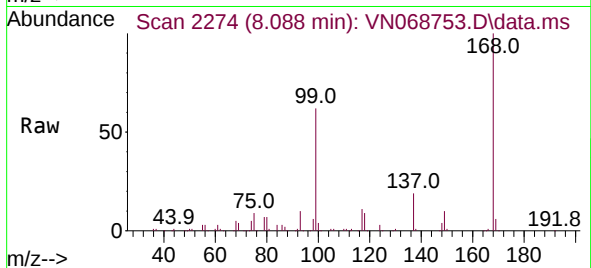
Acq: 29 Sep 2021 21:11

Tgt Ion:168 Resp: 485705

Ion Ratio Lower Upper

168 100

99 61.8 62.9 94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.301 min Scan# 116

Delta R.T. -0.002 min

Lab File: VN068753.D

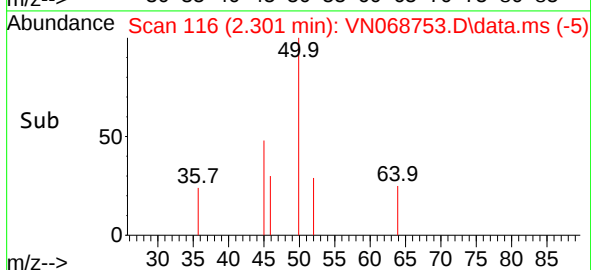
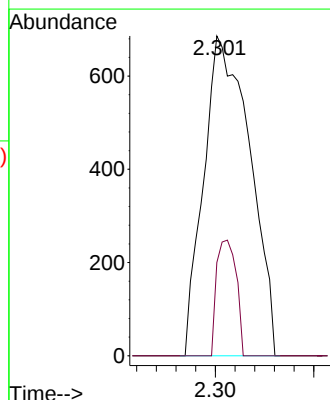
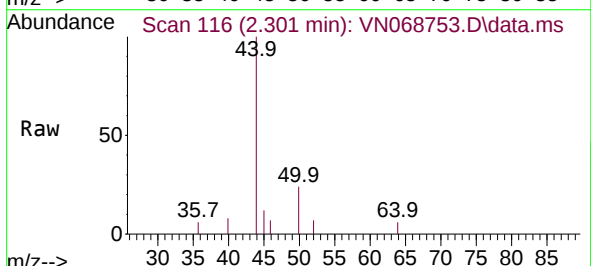
Acq: 29 Sep 2021 21:11

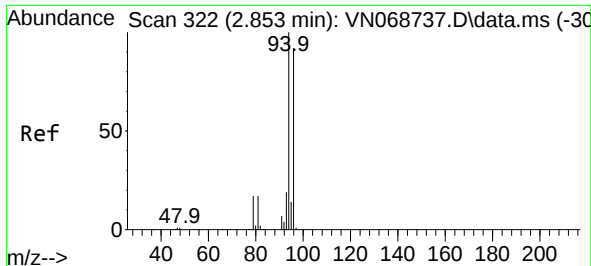
Tgt Ion: 50 Resp: 1118

Ion Ratio Lower Upper

50 100

52 29.2 25.6 38.4

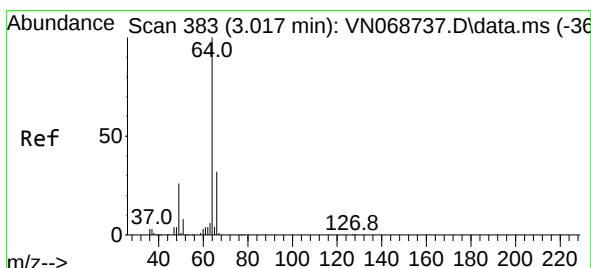
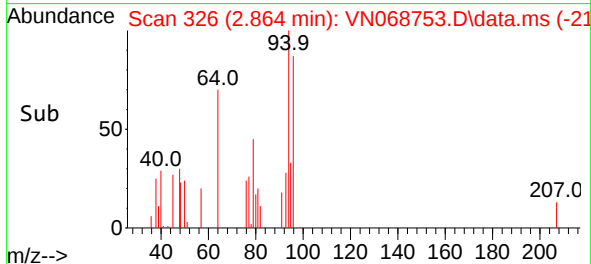
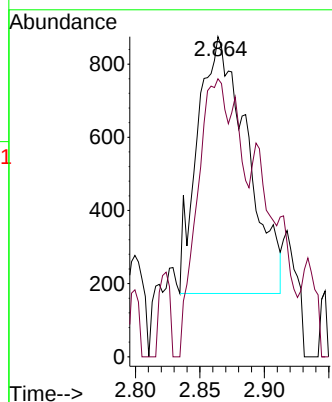
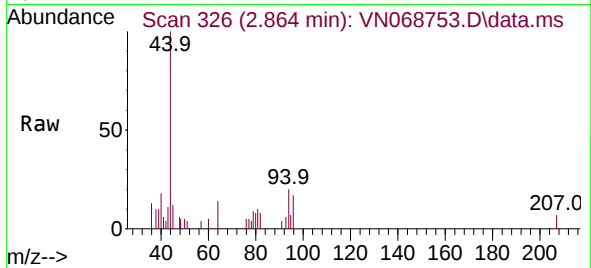




#5
Bromomethane
Concen: Below Cal
RT: 2.864 min Scan# 326
Delta R.T. 0.011 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

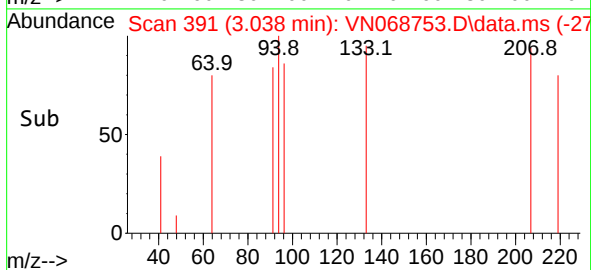
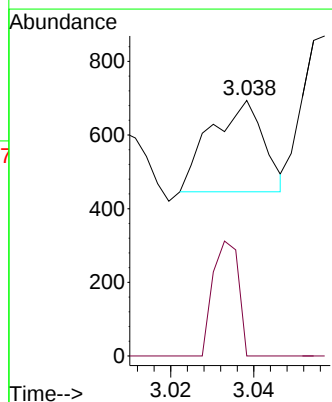
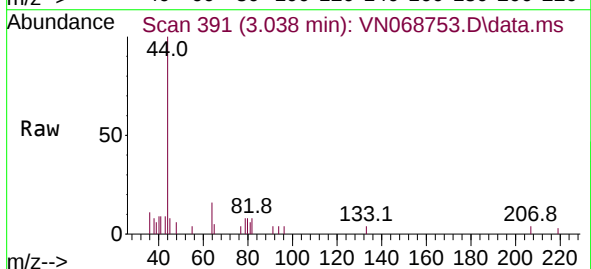
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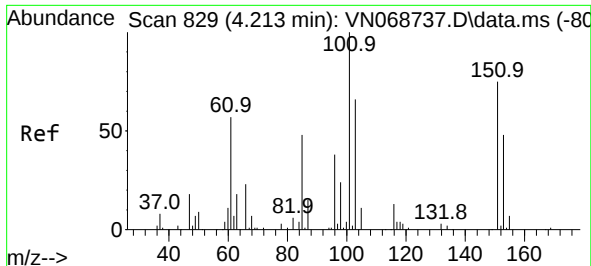
Tgt Ion: 94 Resp: 1866
Ion Ratio Lower Upper
94 100
96 108.3 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.038 min Scan# 391
Delta R.T. 0.021 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion: 64 Resp: 220
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

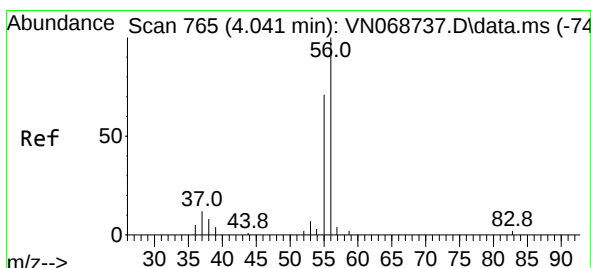
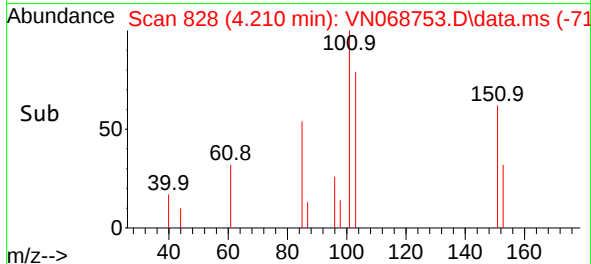
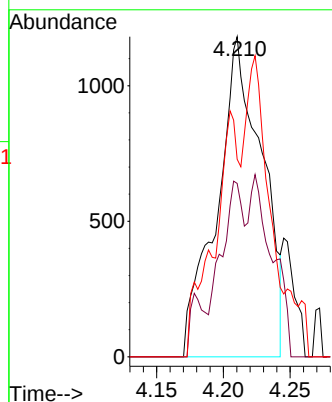
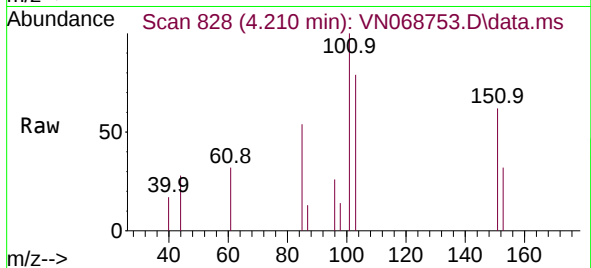




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.519 ug/l
RT: 4.210 min Scan# 828
Delta R.T. -0.003 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

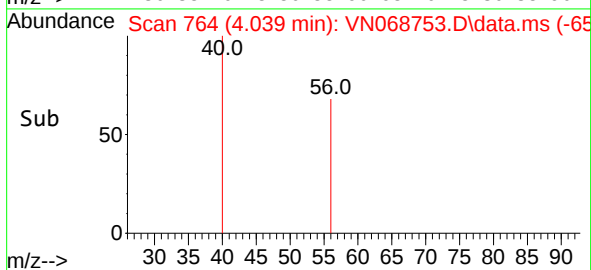
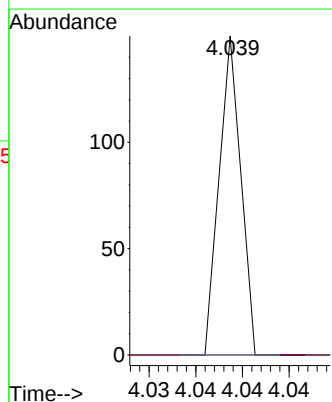
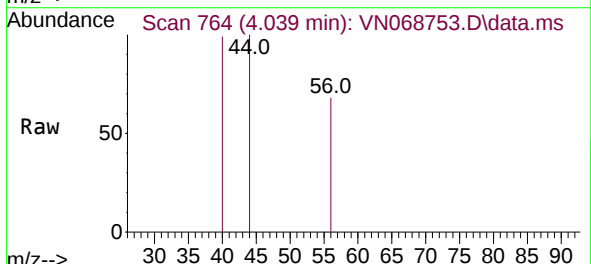
Instrument :
MSVOA_N
ClientSampleId :
RE137-20210921DL

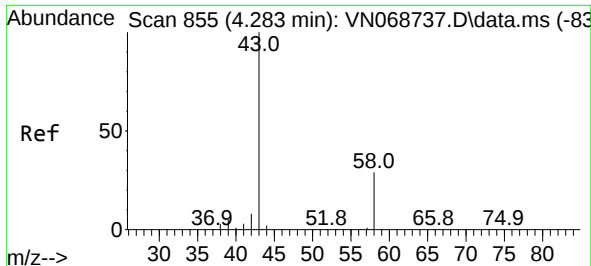
Tgt Ion:101 Resp: 2767
Ion Ratio Lower Upper
101 100
85 27.1 39.6 59.4#
151 44.7 54.1 81.1#



#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.002 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

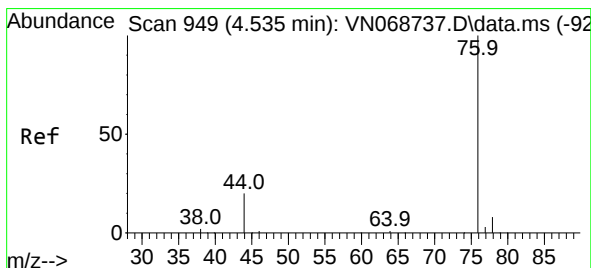
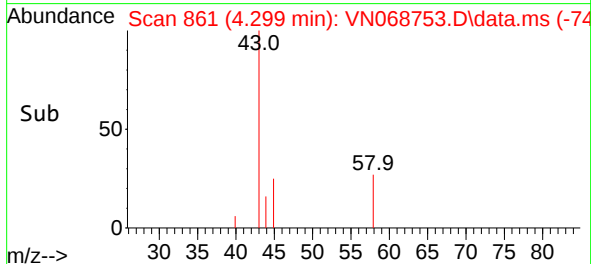
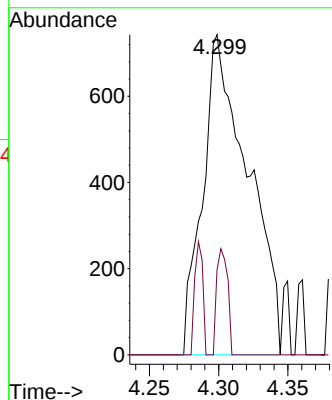
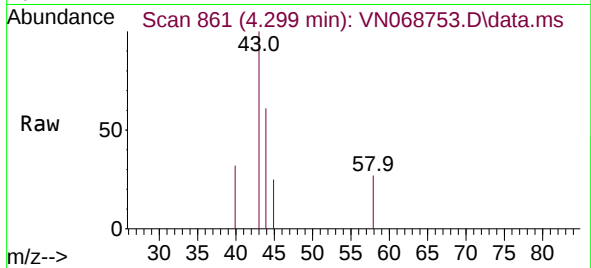




#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.016 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

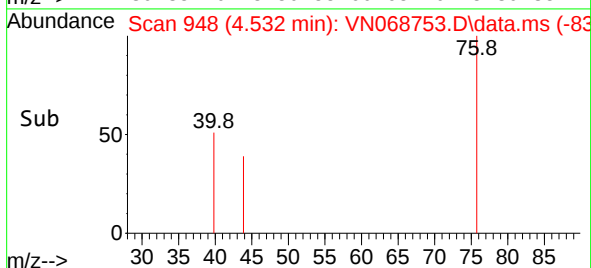
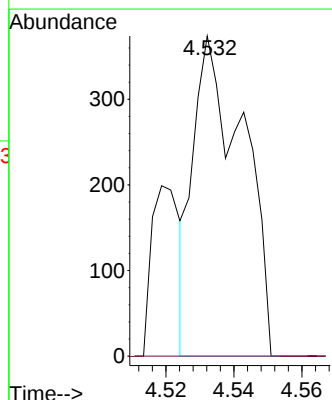
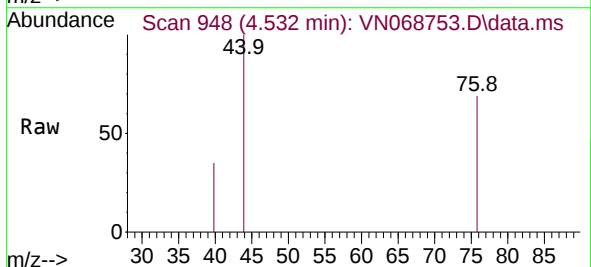
Instrument :
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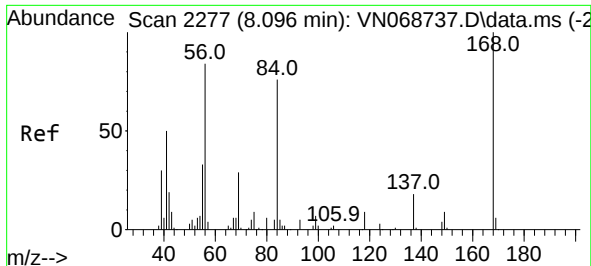
Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 26.5 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.532 min Scan# 948
Delta R.T. -0.003 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion: 76 Resp: 379
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

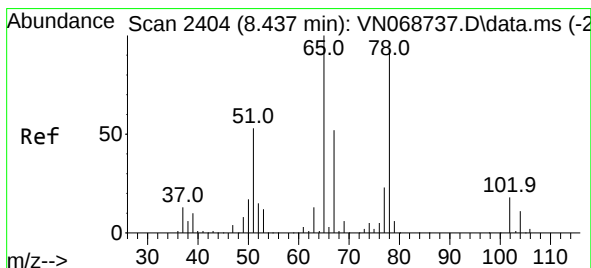
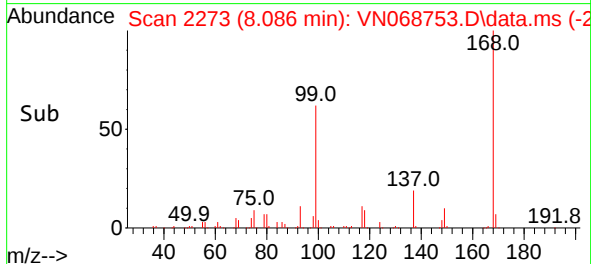
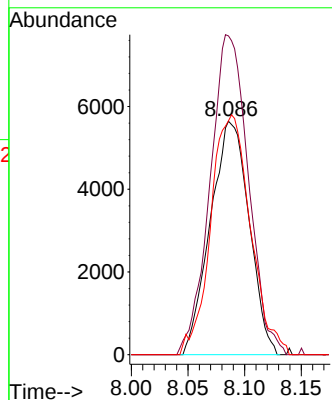
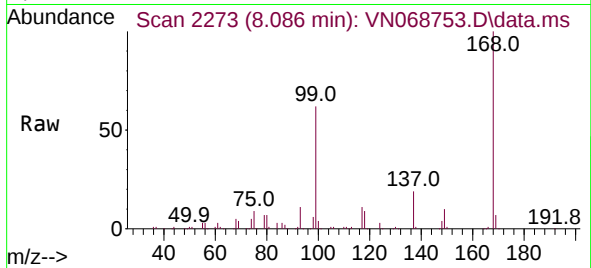




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

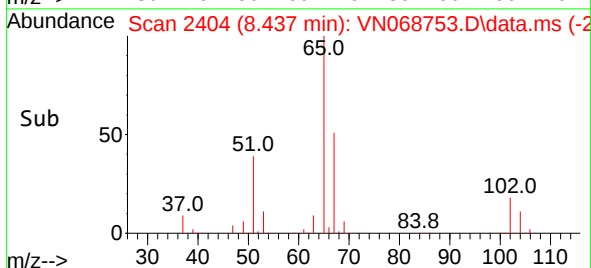
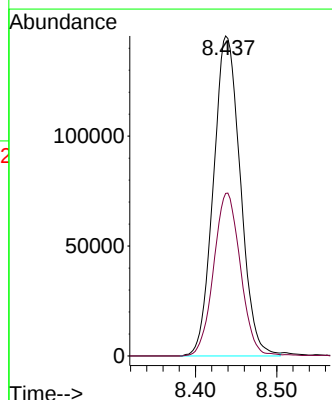
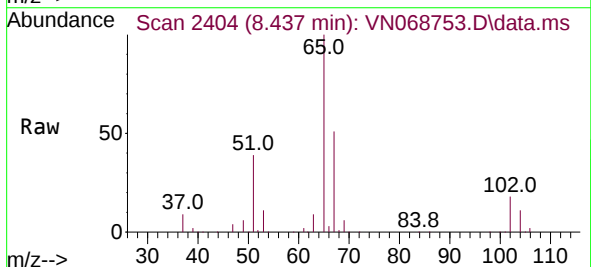
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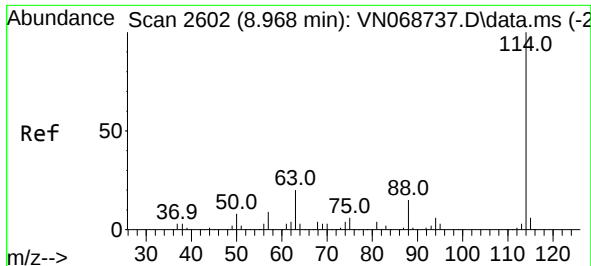
Tgt Ion: 56 Resp: 13413
Ion Ratio Lower Upper
56 100
69 133.6 27.3 40.9#
84 100.2 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.591 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion: 65 Resp: 335605
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6

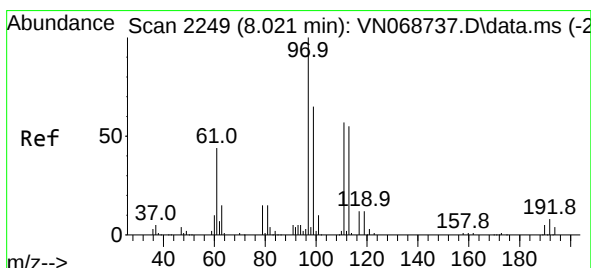
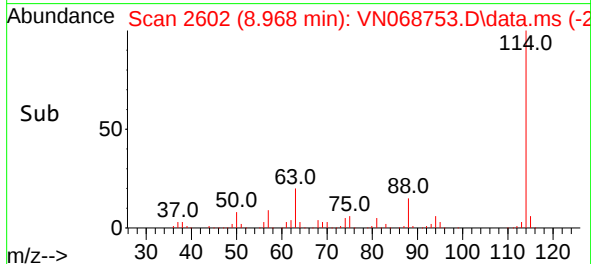
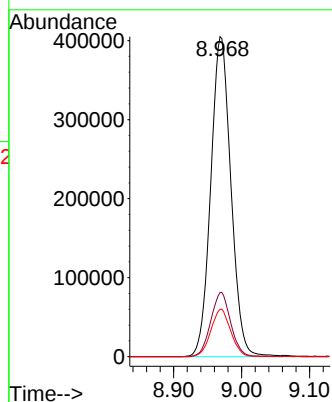
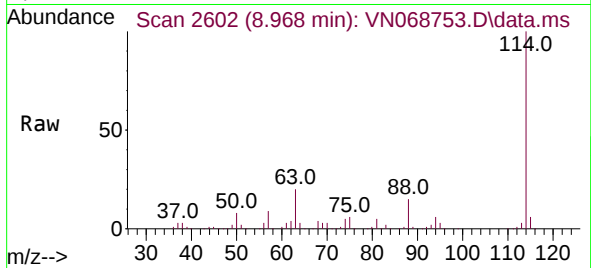




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

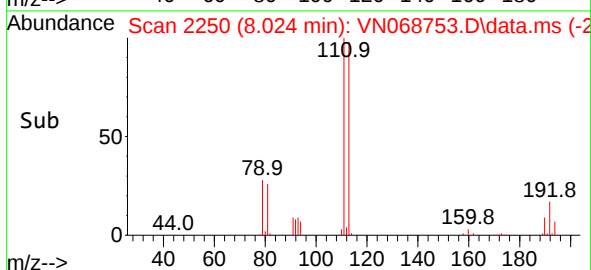
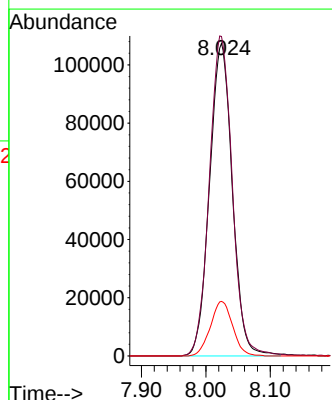
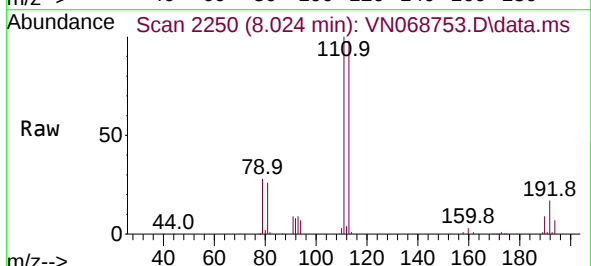
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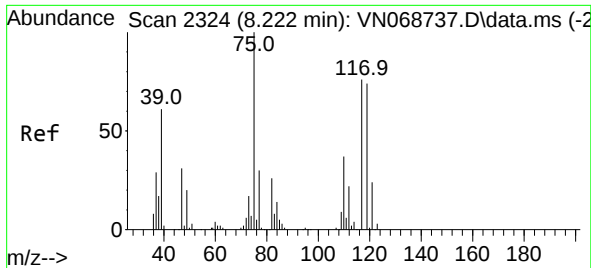
Tgt Ion:114 Resp: 833988
Ion Ratio Lower Upper
114 100
63 20.1 0.0 49.0
88 14.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.872 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion:113 Resp: 263609
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 17.1 13.4 20.0

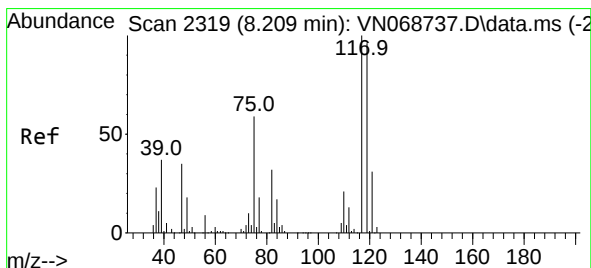
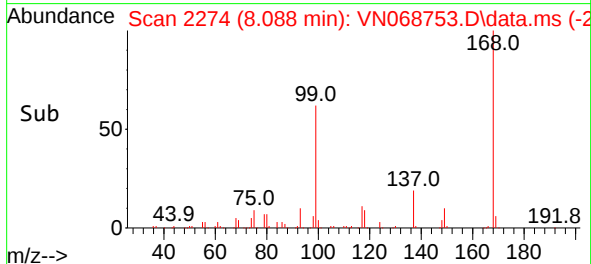
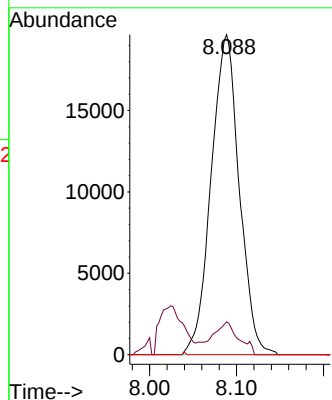
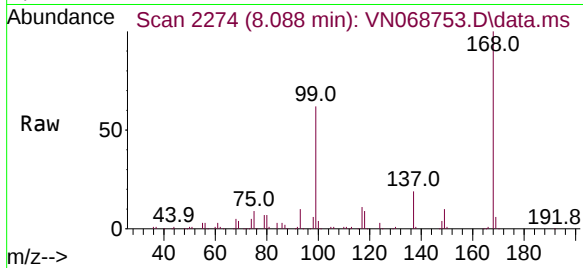




#36
1,1-Dichloropropene
Concen: 5.630 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

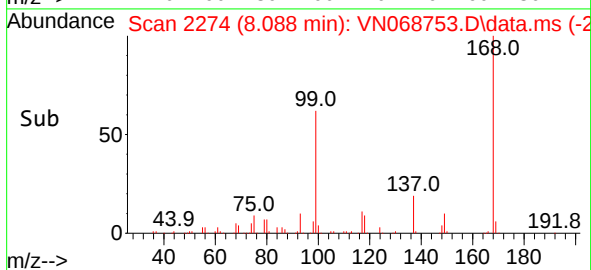
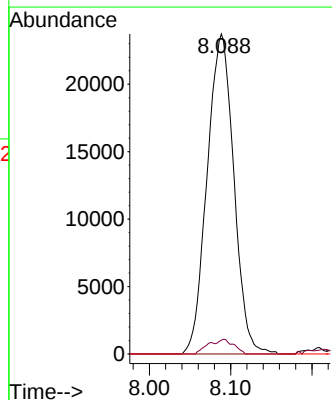
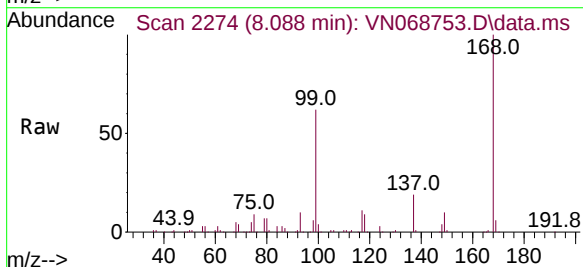
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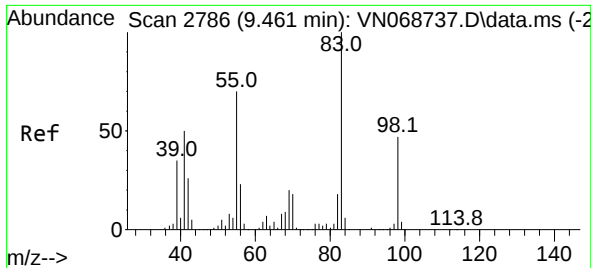
Tgt Ion: 75 Resp: 44157
Ion Ratio Lower Upper
75 100
110 8.8 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion: 117 Resp: 54137
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 23.5 35.3#

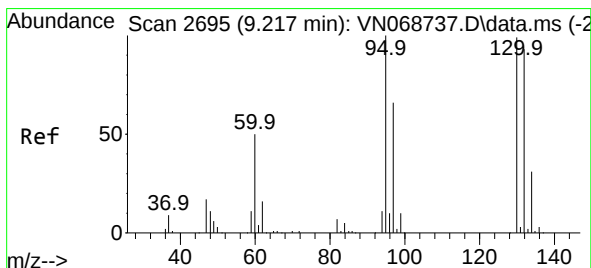
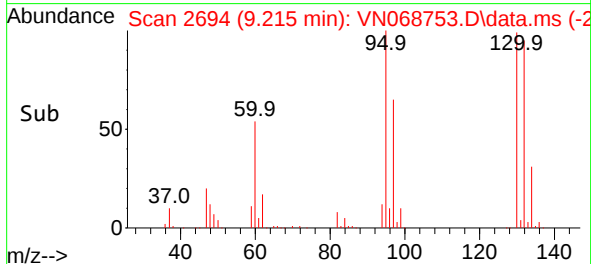
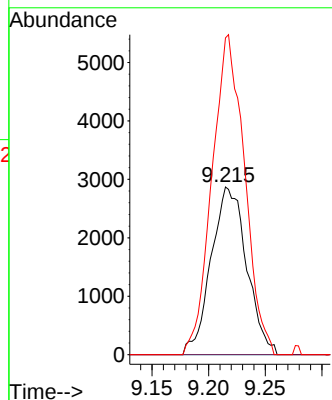
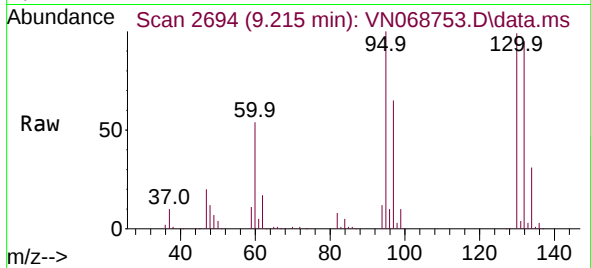




#39
Methylcyclohexane
Concen: 0.689 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.246 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

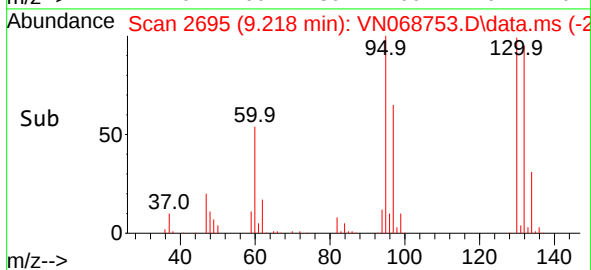
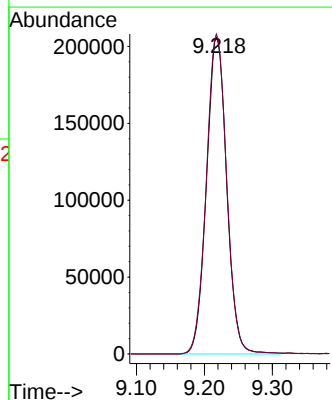
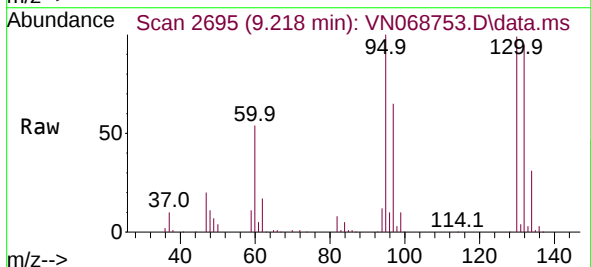
Instrument :
MSVOA_N
ClientSampleId :
RE137-20210921DL

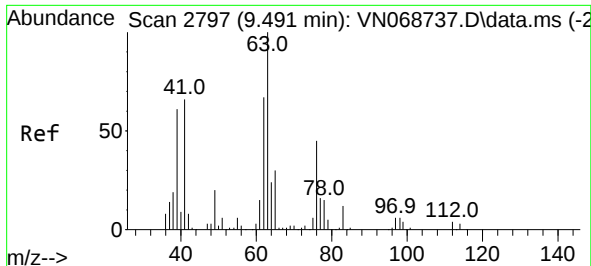
Tgt Ion: 83 Resp: 6260
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 188.8 35.3 52.9#



#44
Trichloroethene
Concen: 66.736 ug/l
RT: 9.218 min Scan# 2695
Delta R.T. 0.001 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion:130 Resp: 425452
Ion Ratio Lower Upper
130 100
95 101.1 0.0 234.4

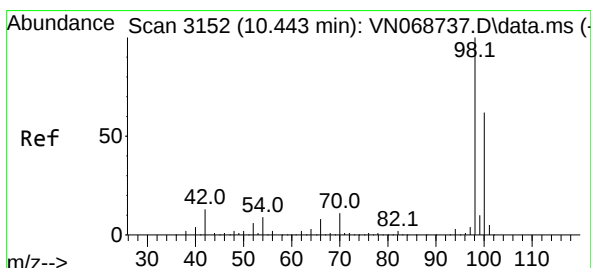
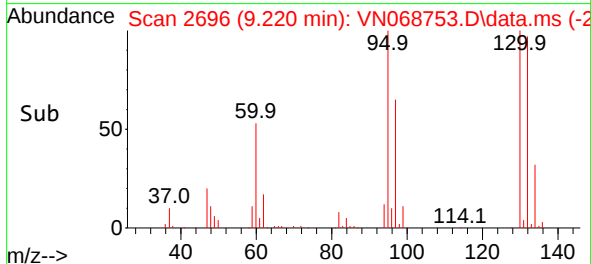
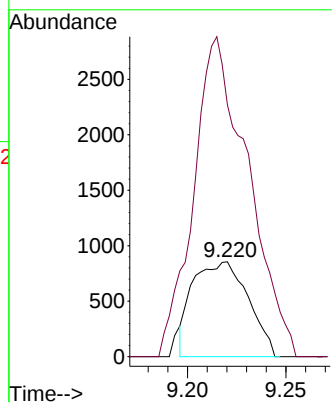
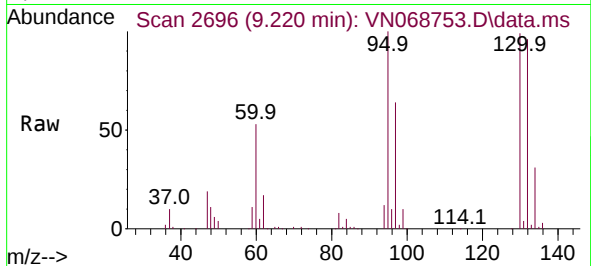




#45
1,2-Dichloropropane
Concen: 0.272 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. -0.271 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

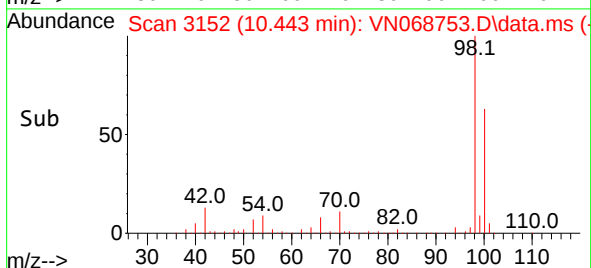
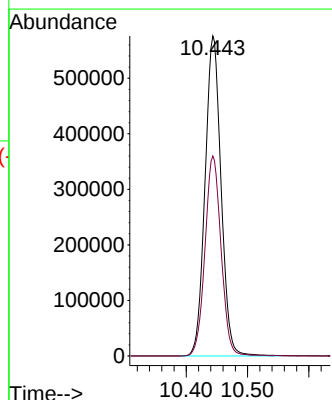
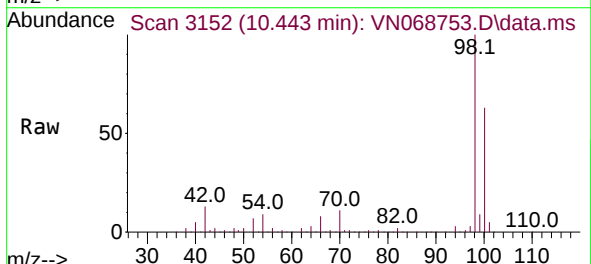
Instrument :
MSVOA_N
ClientSampleId :
RE137-20210921DL

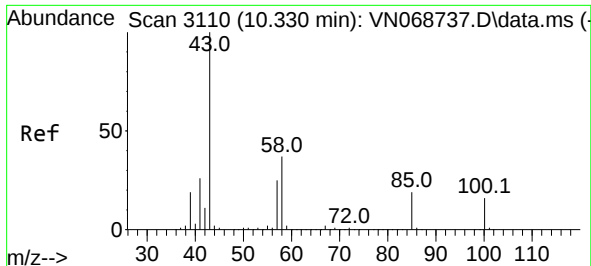
Tgt Ion: 63 Resp: 1673
Ion Ratio Lower Upper
63 100
65 218.8 24.3 36.5#



#50
Toluene-d8
Concen: 55.227 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion: 98 Resp: 1045726
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5

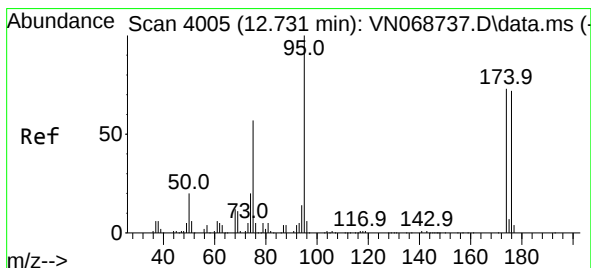
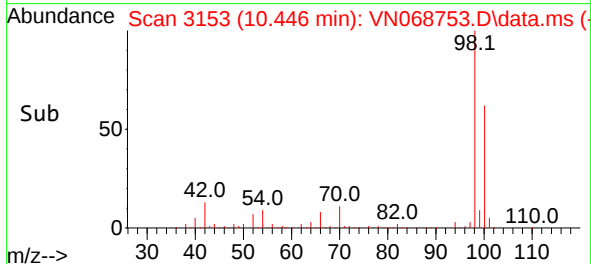
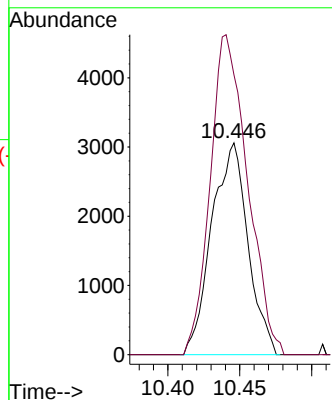
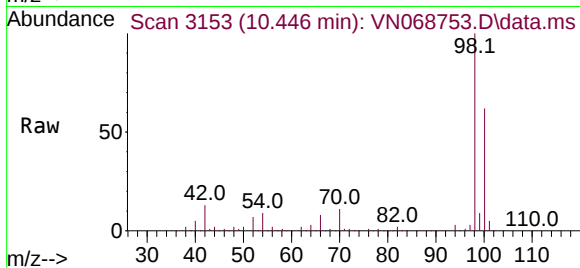




#51
4-Methyl-2-Pentanone
Concen: 0.648 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.116 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

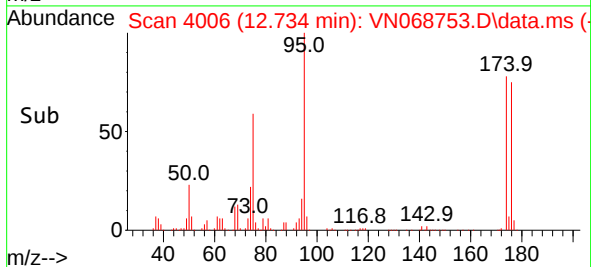
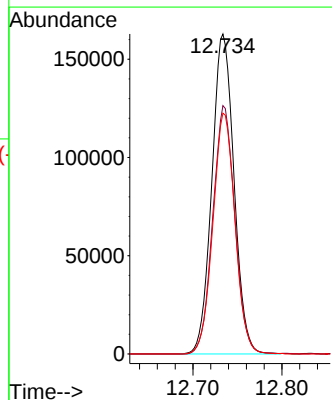
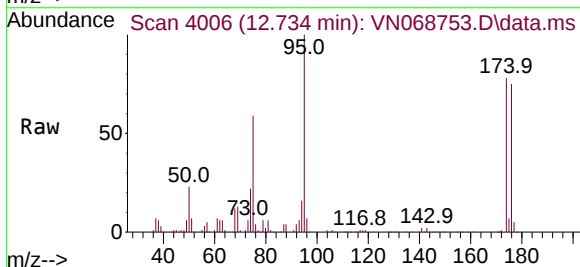
Instrument :
MSVOA_N
ClientSampleId :
RE137-20210921DL

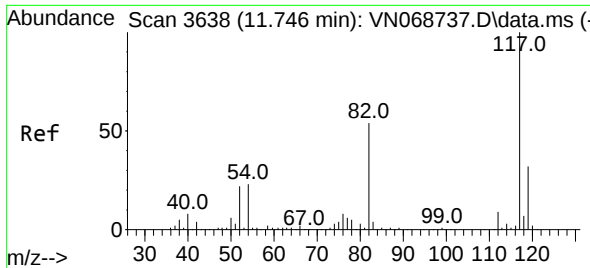
Tgt Ion: 43 Resp: 5366
Ion Ratio Lower Upper
43 100
58 155.9 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 42.767 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion: 95 Resp: 281388
Ion Ratio Lower Upper
95 100
174 77.3 0.0 122.0
176 75.1 0.0 117.6

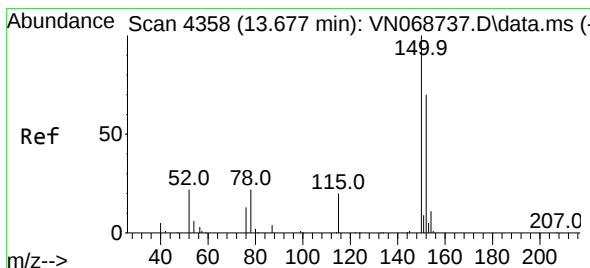
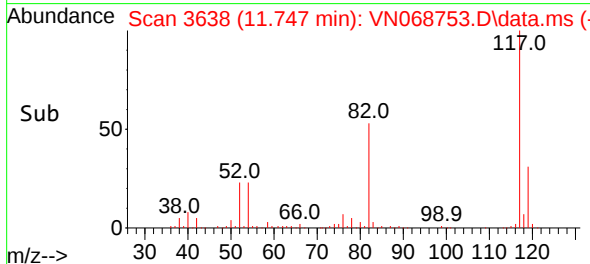
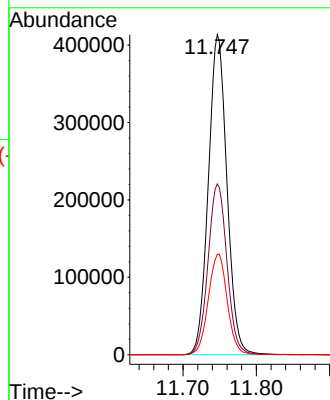
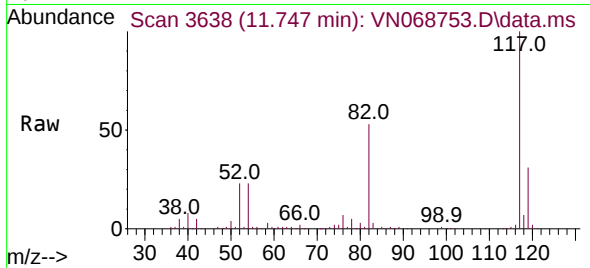




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

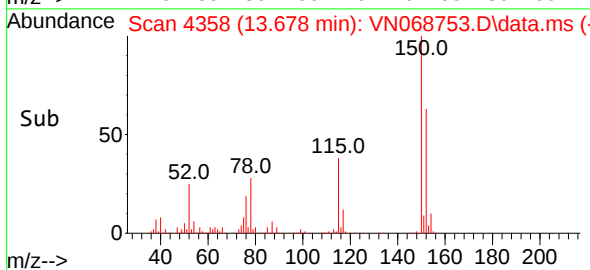
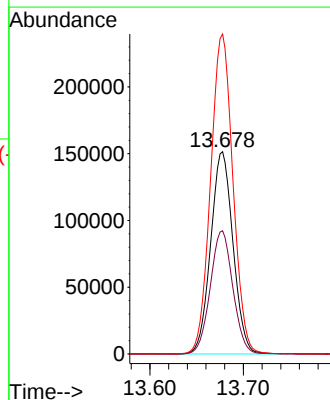
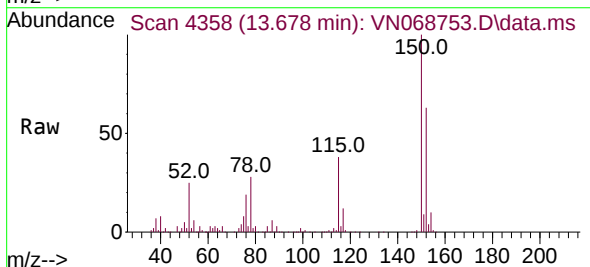
Instrument :
MSVOA_N
ClientSampleId :
RE137-20210921DL

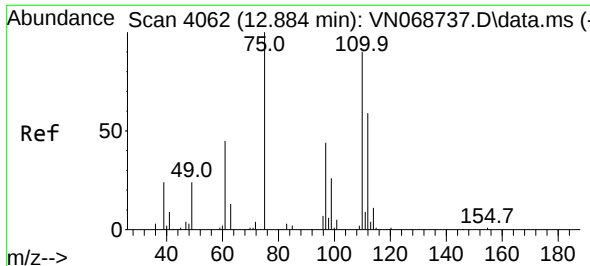
Tgt Ion:	117	Resp:	727800
Ion	Ratio	Lower	Upper
117	100		
82	53.3	53.1	79.7
119	31.4	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Tgt Ion:	152	Resp:	251781
Ion	Ratio	Lower	Upper
152	100		
115	61.5	36.1	108.5
150	158.0	0.0	351.8

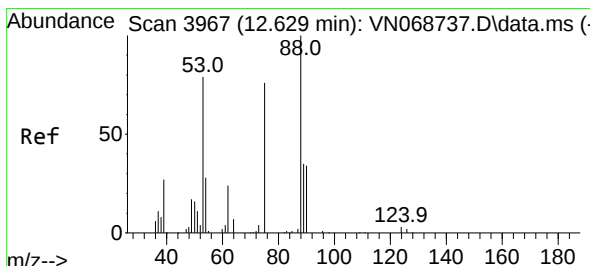
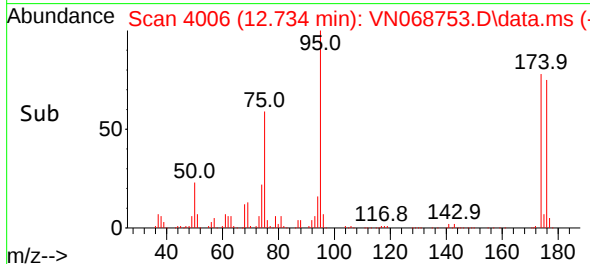
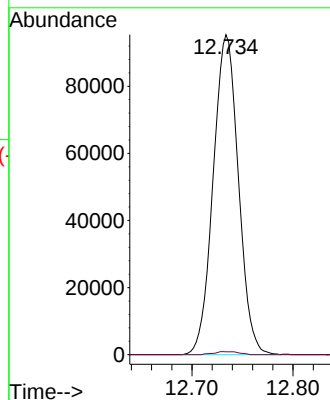
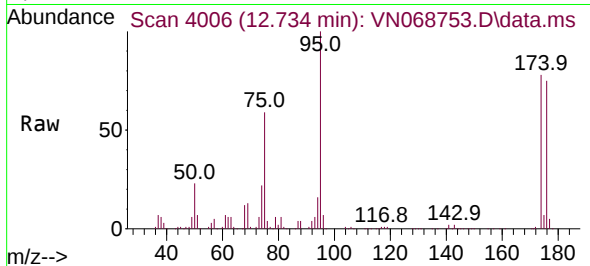




#76
1,2,3-Trichloropropane
Concen: 29.504 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

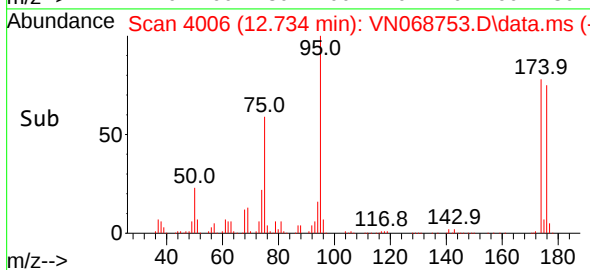
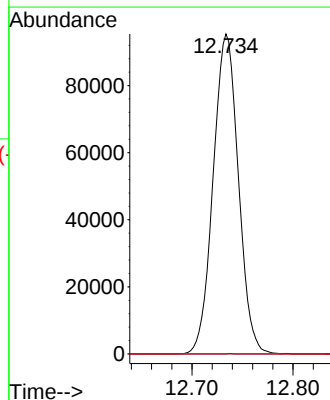
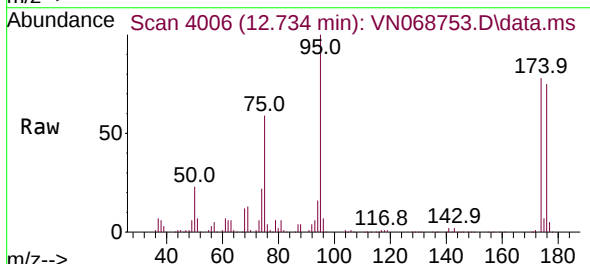
Instrument :
MSVOA_N
ClientSampleId :
RE137-20210921DL

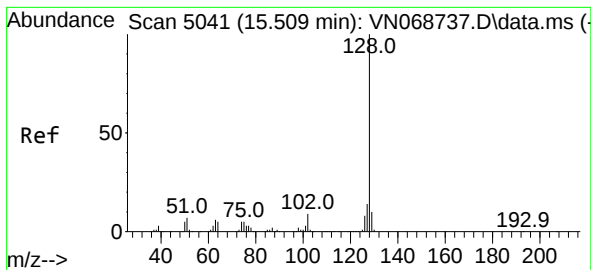
Tgt Ion: 75 Resp: 165205
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.769 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

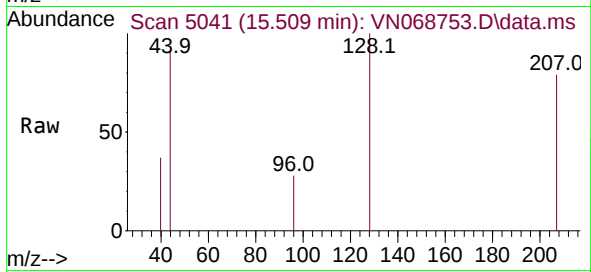
Tgt Ion: 75 Resp: 165205
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.549 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068753.D
Acq: 29 Sep 2021 21:11

Instrument :
MSVOA_N
ClientSampleId :
RE137-20210921DL



Tgt Ion:	128	Resp:	1251
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

