

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092021\
 Data File : VN068569.D
 Acq On : 20 Sep 2021 21:16
 Operator : JC/MD
 Sample : M3781-16DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20210916DL

Quant Time: Sep 21 07:30:42 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)

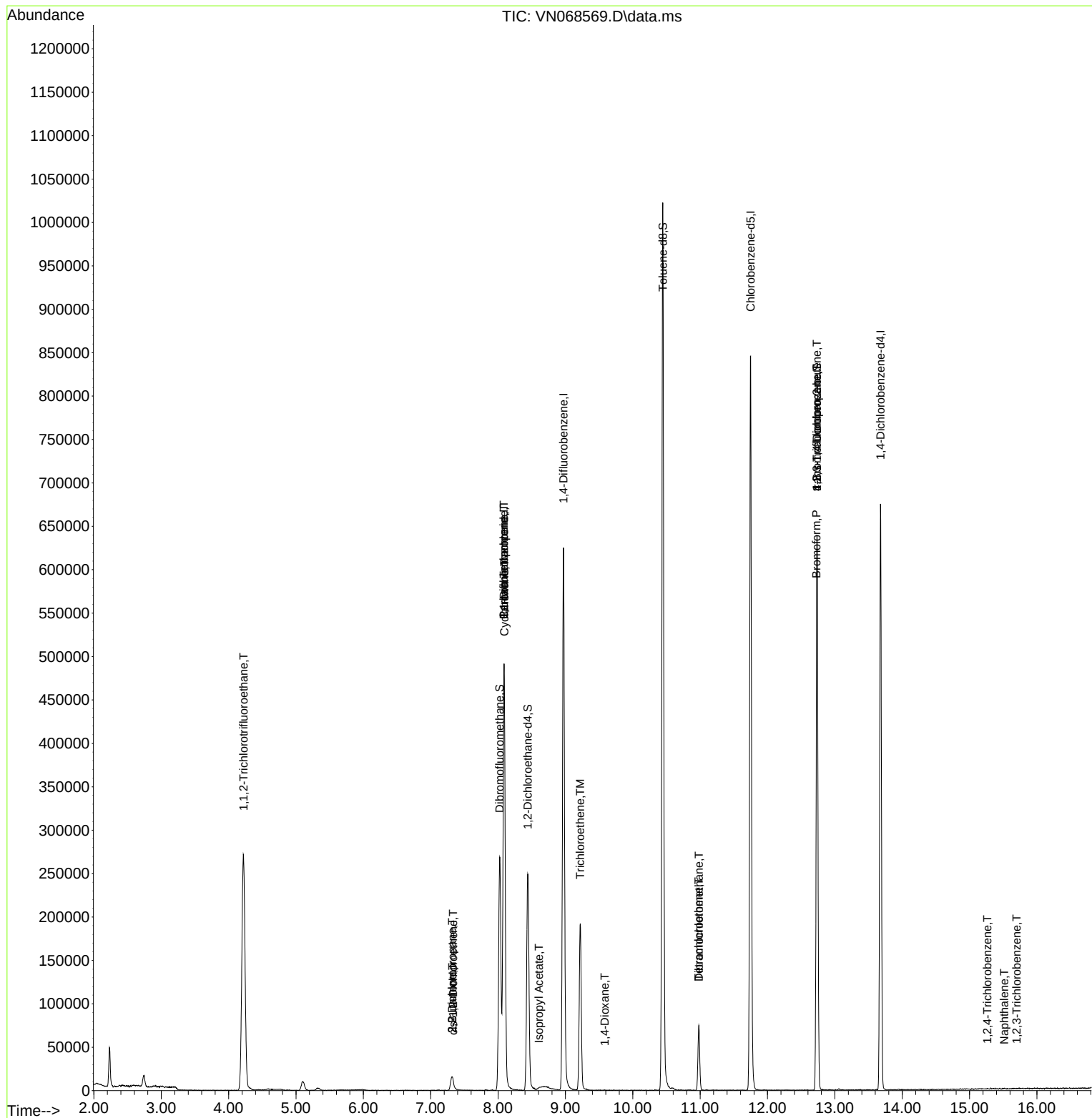
Internal Standards						
1) Pentafluorobenzene	8.088	168	410433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	602175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	554904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	204002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	218106	57.931	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 115.860%			
35) Dibromofluoromethane	8.024	113	201972	55.611	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 111.220%			
50) Toluene-d8	10.446	98	762752	51.120	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.733	95	216012	44.493	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.980%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	363	Below Cal	#	42
5) Bromomethane	2.856	94	158	Below Cal		95
9) 1,1,2-Trichlorotrifluo...	4.221	101	184561	52.399	ug/l	95
11) Tert butyl alcohol	5.387	59	54	Below Cal	#	84
16) Acetone	4.304	43	1209	Below Cal	#	82
18) Methyl Acetate	4.859	43	393	Below Cal	#	70
25) 2-Butanone	7.321	43	797	0.436	ug/l #	41
26) 2,2-Dichloropropane	7.319	77	1313	0.237	ug/l #	50
27) cis-1,2-Dichloroethene	7.332	96	888	0.205	ug/l	57
31) Cyclohexane	8.094	56	6881	1.206	ug/l #	25
36) 1,1-Dichloropropene	8.088	75	27262	5.430	ug/l #	47
38) Carbon Tetrachloride	8.088	117	38093	6.334	ug/l #	16
43) Isopropyl Acetate	8.606	43	1372	0.204	ug/l #	51
44) Trichloroethene	9.220	130	76208	16.197	ug/l	93
49) 1,4-Dioxane	9.582	88	86	1.332	ug/l #	30
60) Dibromochloromethane	10.982	129	17048	4.868	ug/l #	11
64) Tetrachloroethene	10.979	164	18661	3.794	ug/l	93
71) Bromoform	12.728	173	993	2.749	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	108414	38.390	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	108414	117.776	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.262	180	54	2.972	ug/l #	38
95) Naphthalene	15.515	128	659	3.572	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	51	2.988	ug/l #	76

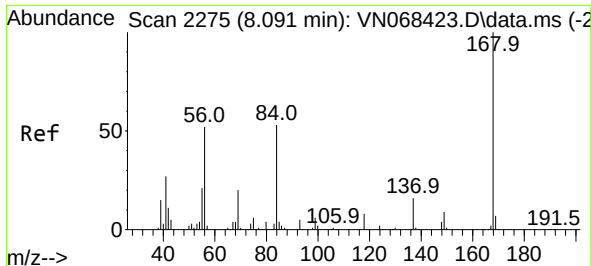
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 17 11:02:11 2021
Response via : Initial Calibration

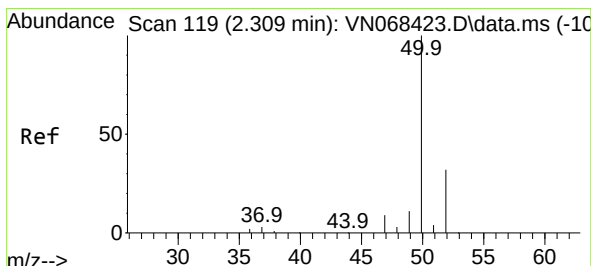
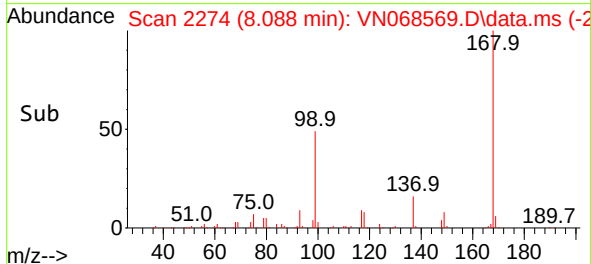
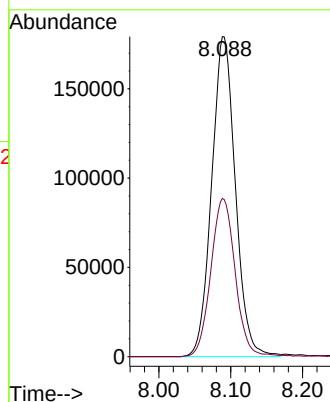
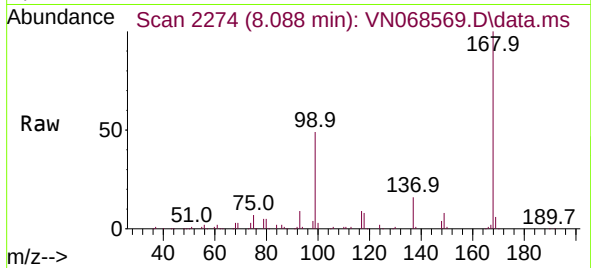




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

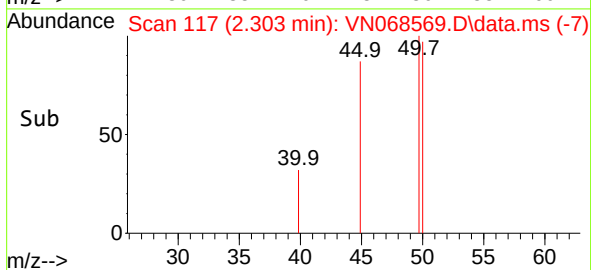
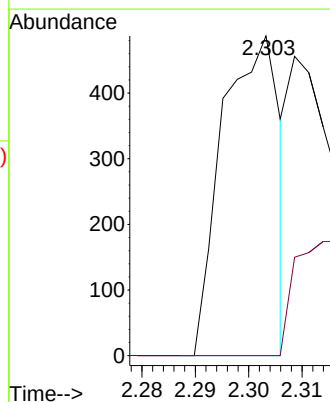
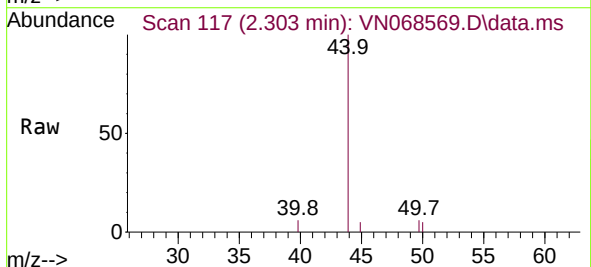
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

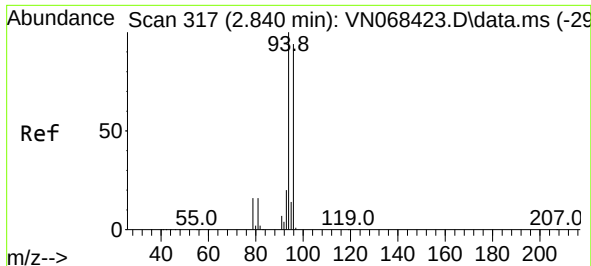
Tgt Ion:168 Resp: 410433
Ion Ratio Lower Upper
168 100
99 49.5 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

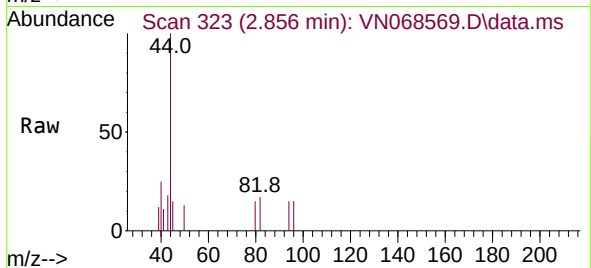
Tgt Ion: 50 Resp: 363
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#



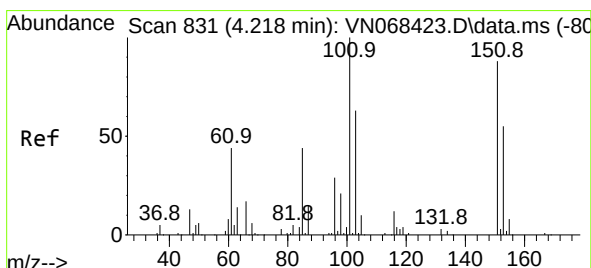
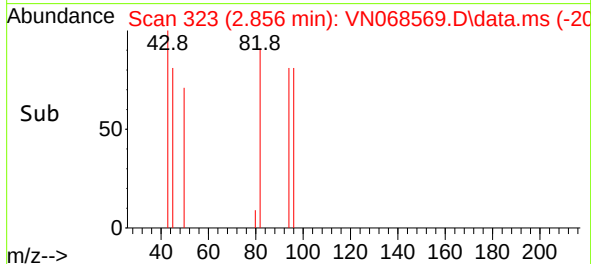
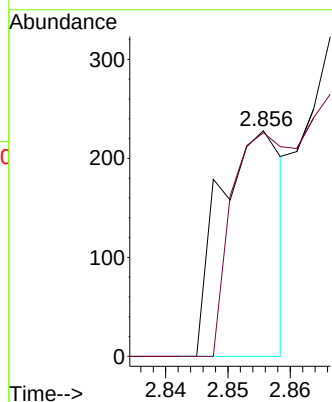


#5
Bromomethane
Concen: Below Cal
RT: 2.856 min Scan# 323
Delta R.T. 0.016 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

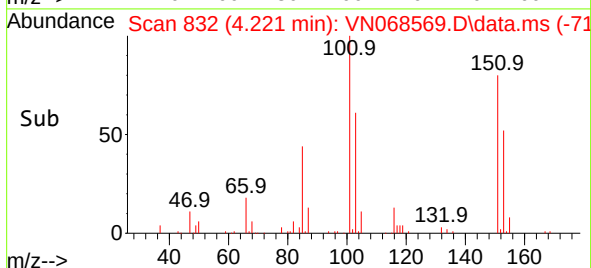
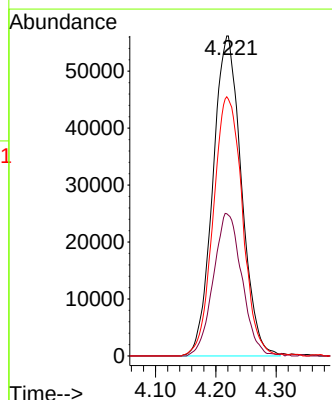
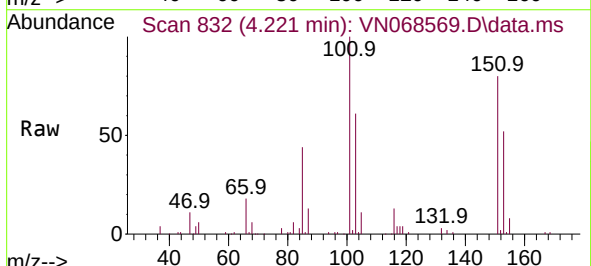


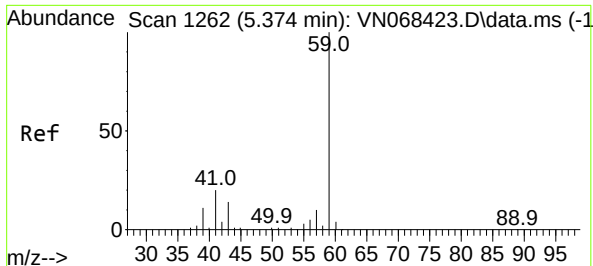
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 99.1 75.4 113.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.399 ug/l
RT: 4.221 min Scan# 832
Delta R.T. 0.003 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Tgt Ion: 101 Resp: 184561
Ion Ratio Lower Upper
101 100
85 44.5 35.7 53.5
151 82.8 71.6 107.4



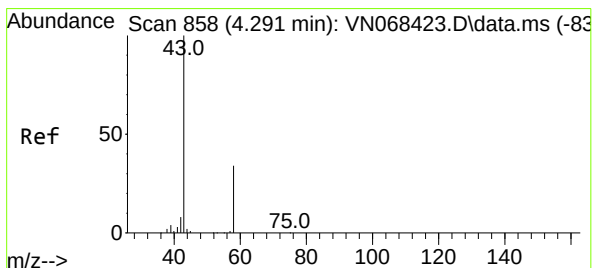
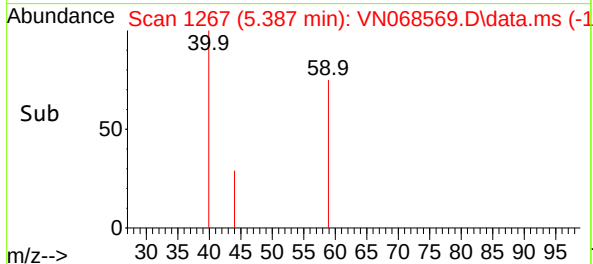
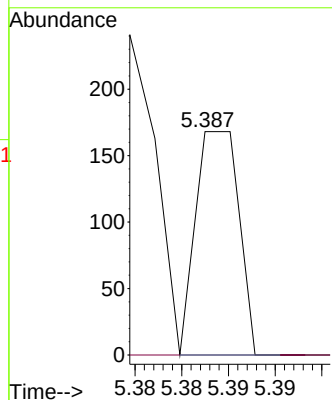
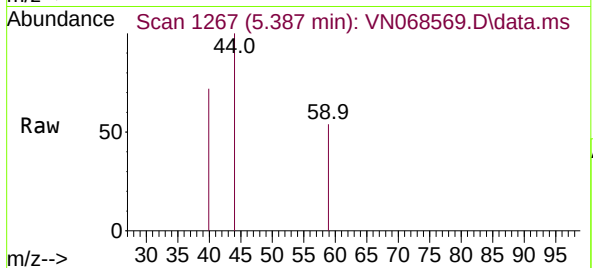


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.387 min Scan# 1267
Delta R.T. 0.013 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

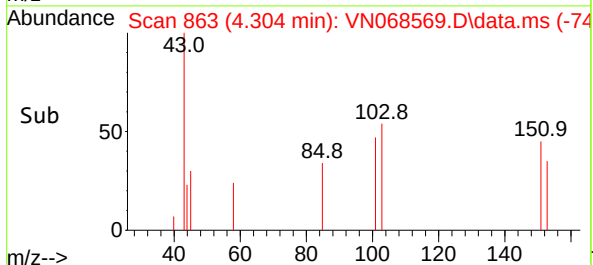
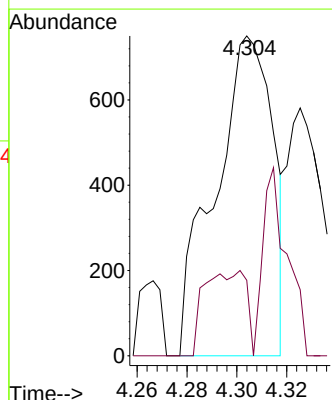
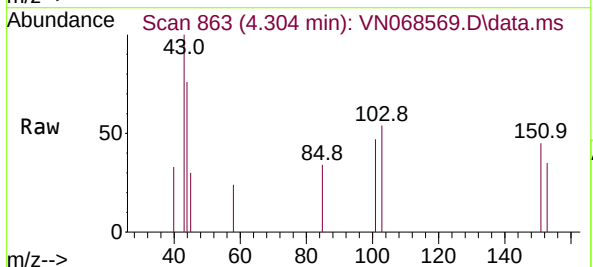
Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

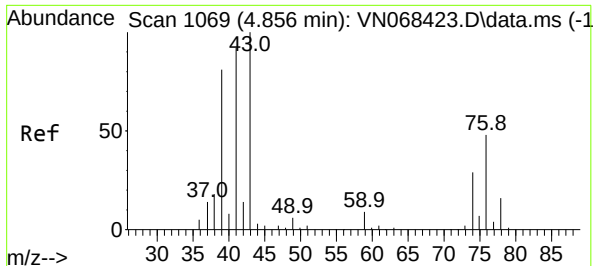


#16

Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 23.6 27.0 40.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.859 min Scan# 1070

Delta R.T. 0.003 min

Lab File: VN068569.D

Acq: 20 Sep 2021 21:16

Instrument :

MSVOA_N

ClientSampleId :

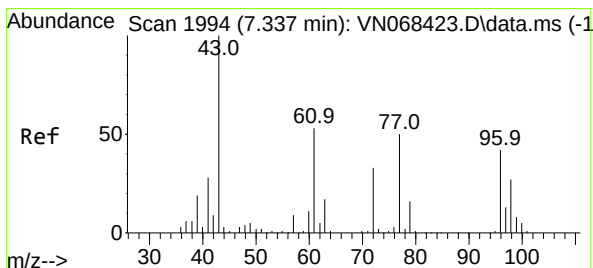
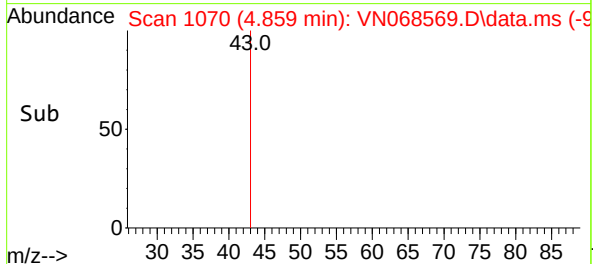
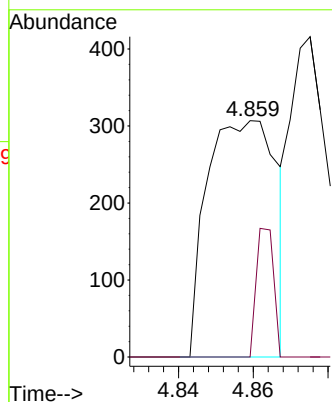
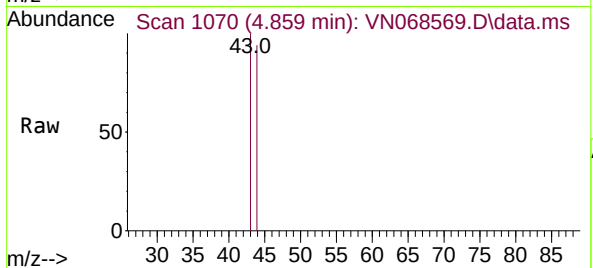
RE134D3-20210916DL

Tgt Ion: 43 Resp: 393

Ion Ratio Lower Upper

43 100

74 13.5 23.5 35.3#



#25

2-Butanone

Concen: 0.436 ug/l

RT: 7.321 min Scan# 1988

Delta R.T. -0.016 min

Lab File: VN068569.D

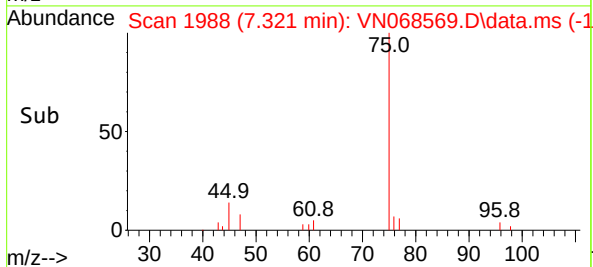
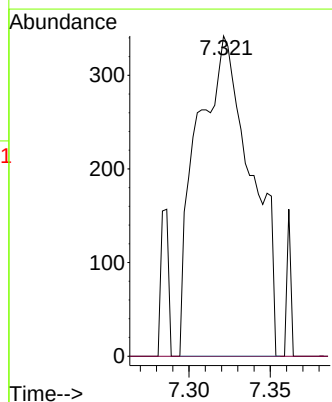
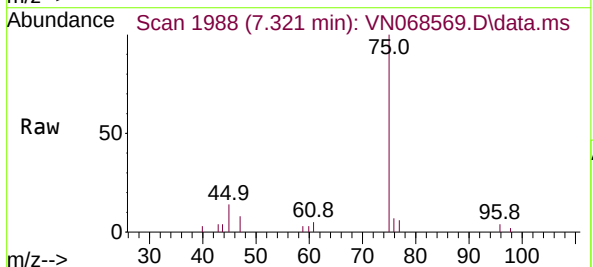
Acq: 20 Sep 2021 21:16

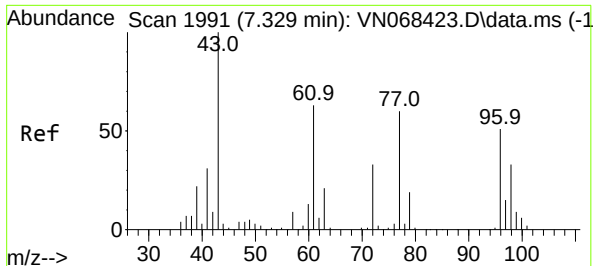
Tgt Ion: 43 Resp: 797

Ion Ratio Lower Upper

43 100

72 0.0 26.7 40.1#





#26

2,2-Dichloropropane

Concen: 0.237 ug/l

RT: 7.319 min Scan# 1987

Delta R.T. -0.010 min

Lab File: VN068569.D

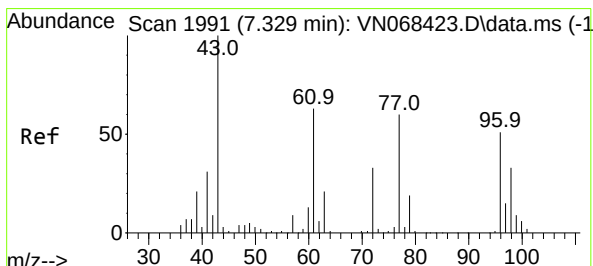
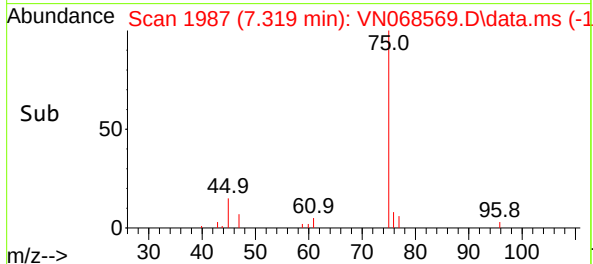
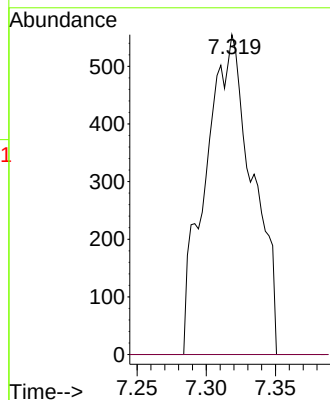
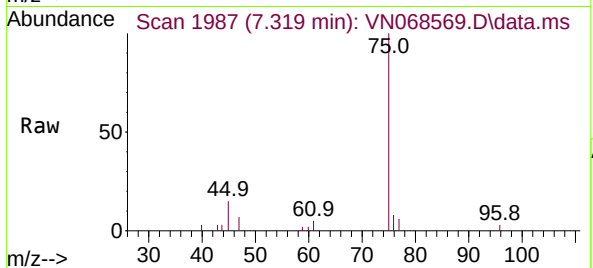
Acq: 20 Sep 2021 21:16

Tgt Ion: 77 Resp: 1313

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.2#



#27

cis-1,2-Dichloroethene

Concen: 0.205 ug/l

RT: 7.332 min Scan# 1992

Delta R.T. 0.003 min

Lab File: VN068569.D

Acq: 20 Sep 2021 21:16

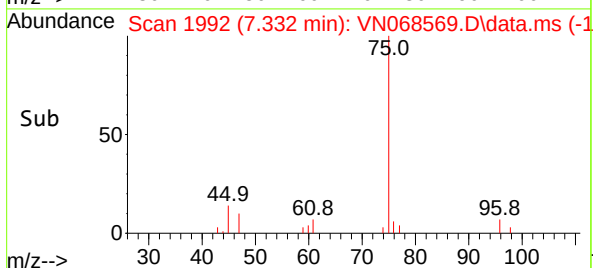
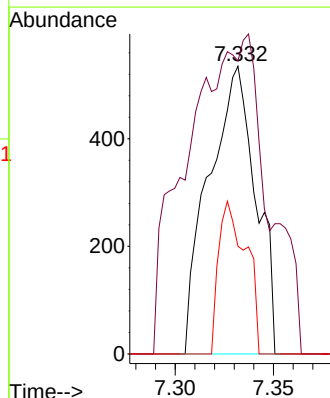
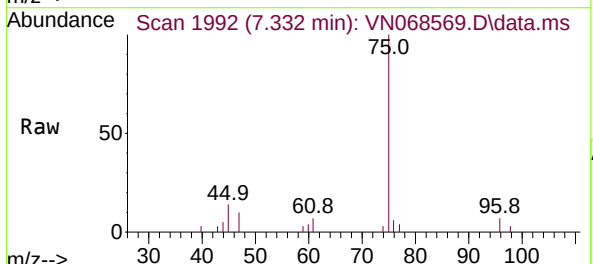
Tgt Ion: 96 Resp: 888

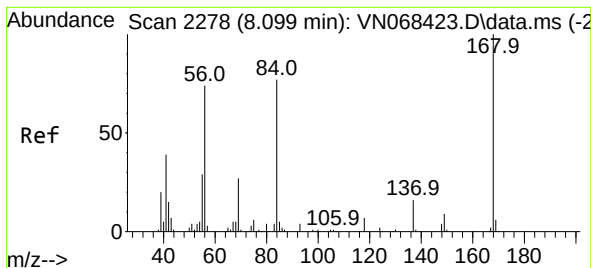
Ion Ratio Lower Upper

96 100

61 74.5 0.0 246.4

98 31.0 0.0 130.4





#31

Cyclohexane

Concen: 1.206 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. -0.005 min

Lab File: VN068569.D

Acq: 20 Sep 2021 21:16

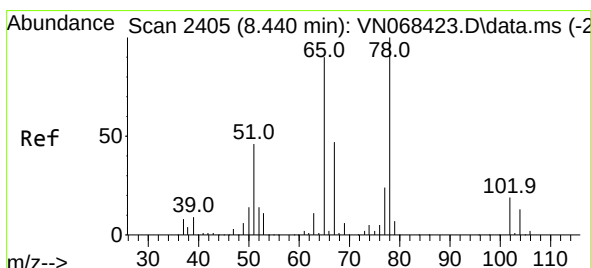
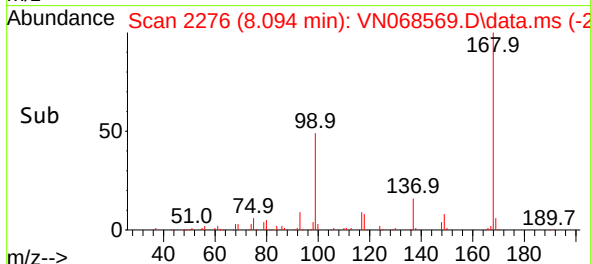
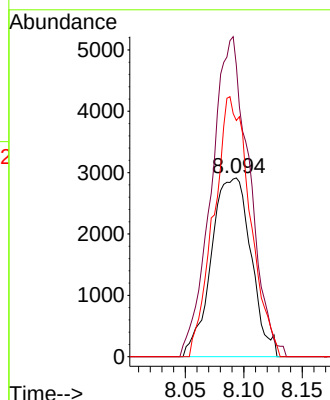
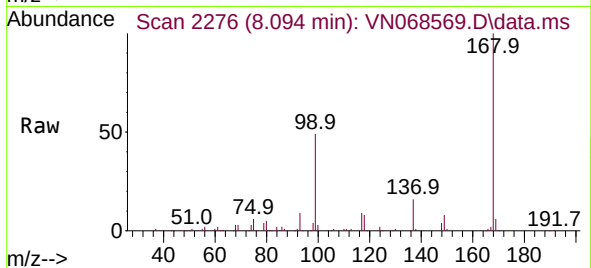
Tgt Ion:	56	Resp:	6881
Ion	Ratio	Lower	Upper
56	100		
69	162.8	29.4	44.0#
84	132.1	83.6	125.4#

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#33

1,2-Dichloroethane-d4

Concen: 57.931 ug/l

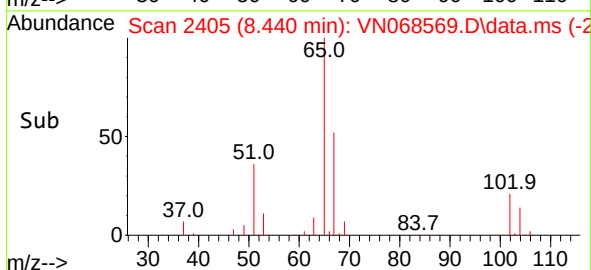
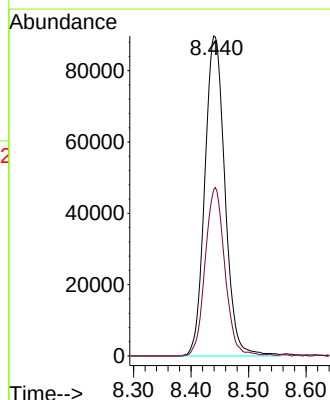
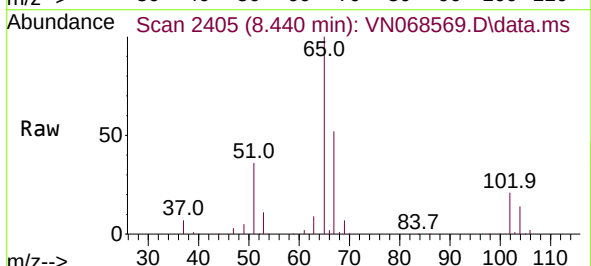
RT: 8.440 min Scan# 2405

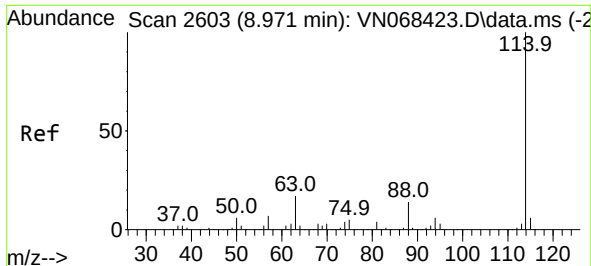
Delta R.T. -0.000 min

Lab File: VN068569.D

Acq: 20 Sep 2021 21:16

Tgt Ion:	65	Resp:	218106
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.0

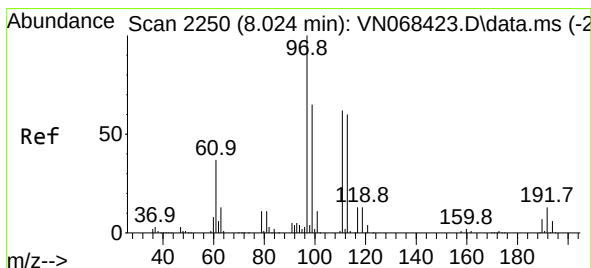
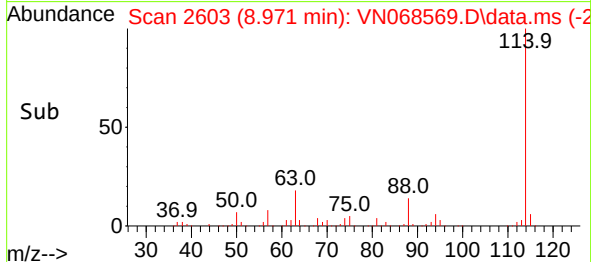
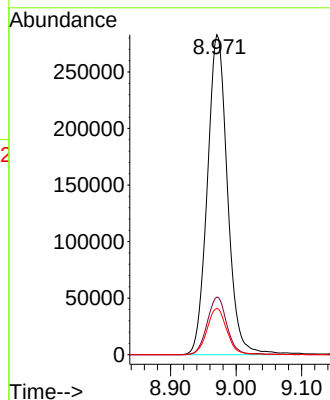
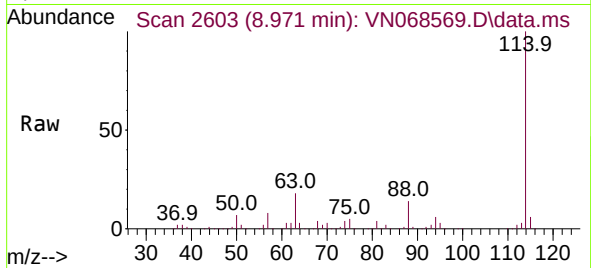




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

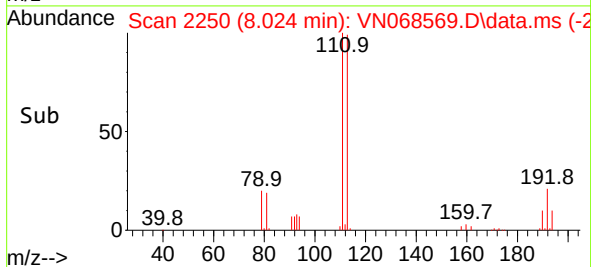
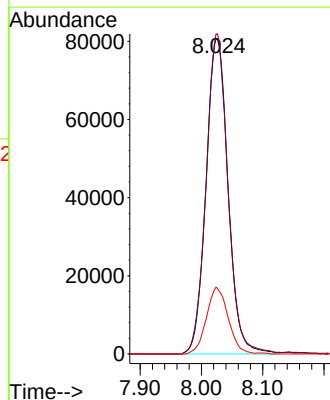
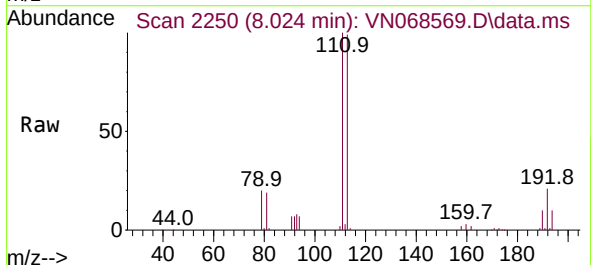
Instrument :
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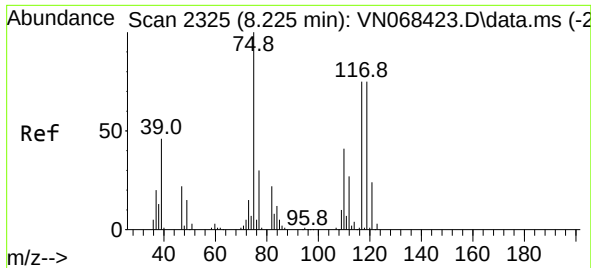
Tgt Ion:114 Resp: 602175
Ion Ratio Lower Upper
114 100
63 18.0 0.0 33.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 55.611 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Tgt Ion:113 Resp: 201972
Ion Ratio Lower Upper
113 100
111 100.5 81.1 121.7
192 20.8 17.7 26.5

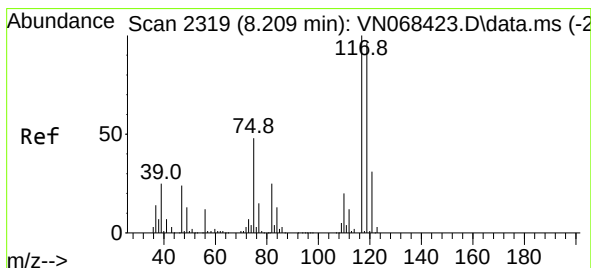
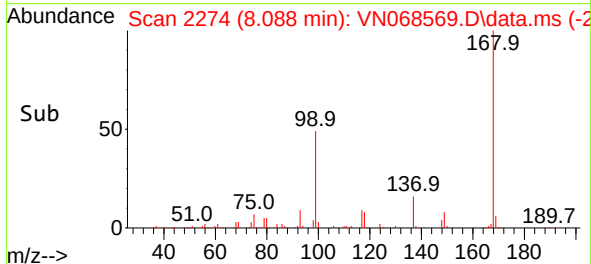
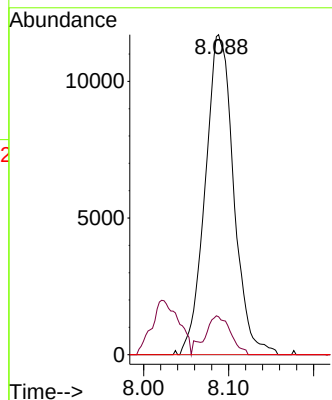
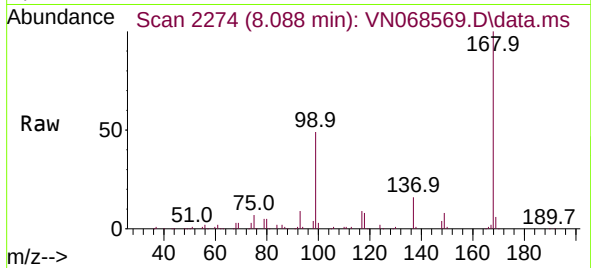




#36
1,1-Dichloropropene
Concen: 5.430 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

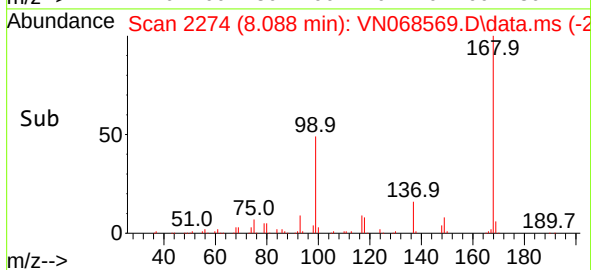
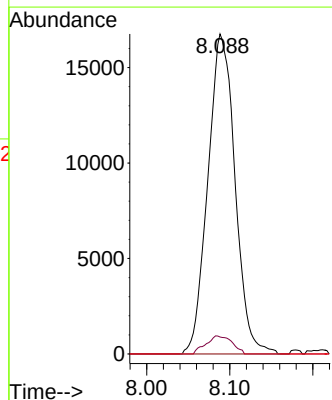
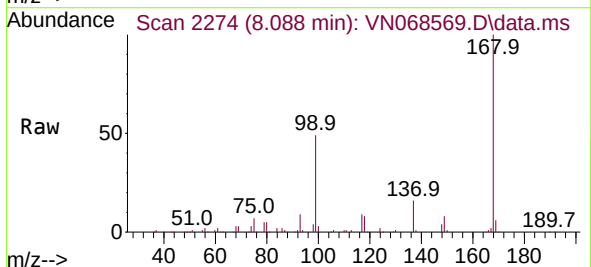
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

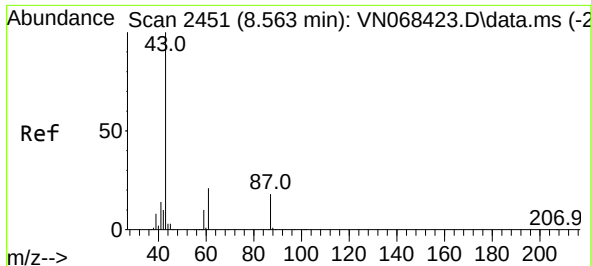
Tgt Ion: 75 Resp: 27262
Ion Ratio Lower Upper
75 100
110 9.8 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.334 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Tgt Ion: 117 Resp: 38093
Ion Ratio Lower Upper
117 100
119 5.3 76.6 114.8#
121 0.0 24.5 36.7#



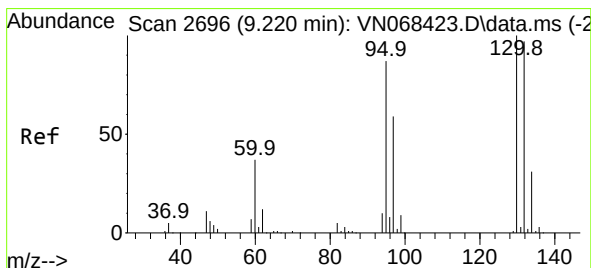
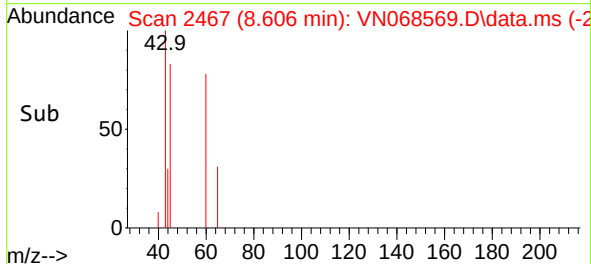
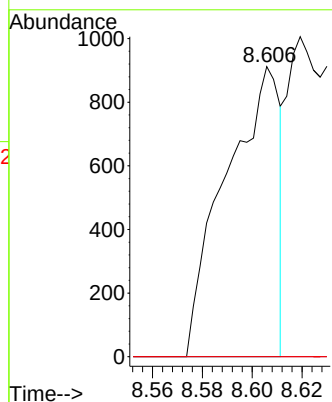
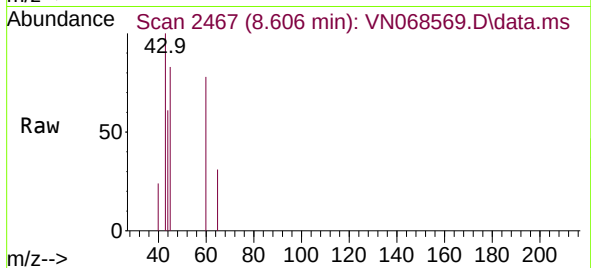


#43

Isopropyl Acetate
Concen: 0.204 ug/l
RT: 8.606 min Scan# 2467
Delta R.T. 0.043 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

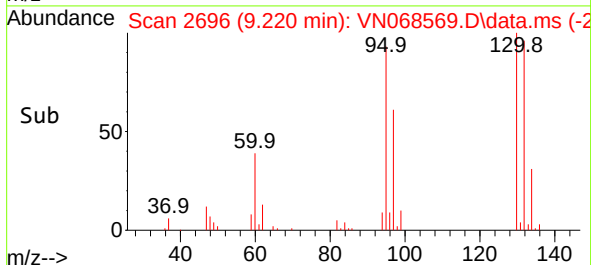
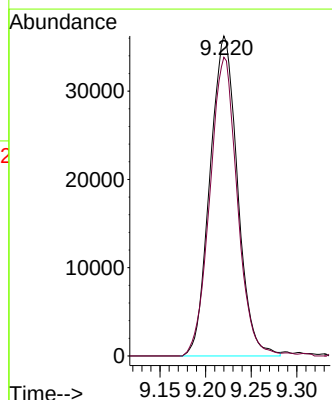
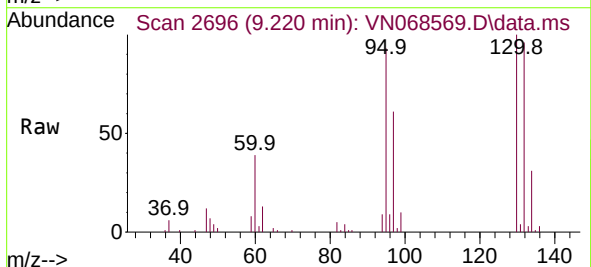
Tgt Ion: 43 Resp: 1372
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#

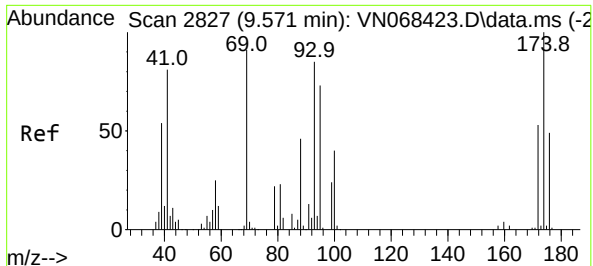


#44

Trichloroethene
Concen: 16.197 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Tgt Ion:130 Resp: 76208
Ion Ratio Lower Upper
130 100
95 93.3 0.0 173.8





#49

1,4-Dioxane

Concen: 1.332 ug/l

RT: 9.582 min Scan# 2831

Delta R.T. 0.011 min

Lab File: VN068569.D

Acq: 20 Sep 2021 21:16

Instrument :

MSVOA_N

ClientSampleId :

RE134D3-20210916DL

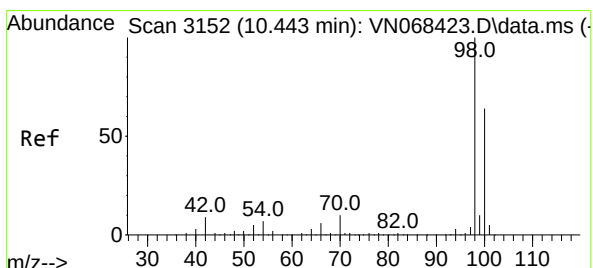
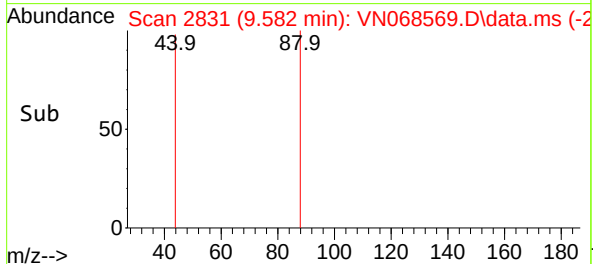
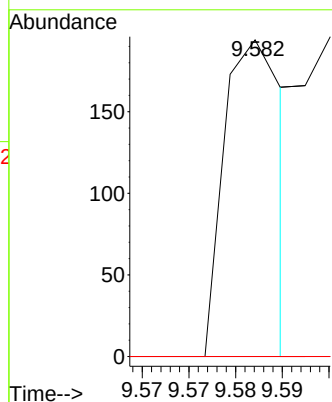
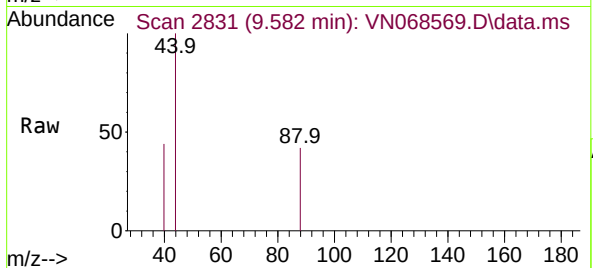
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 0.0 18.9 28.3#

58 0.0 46.6 69.8#



#50

Toluene-d8

Concen: 51.120 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN068569.D

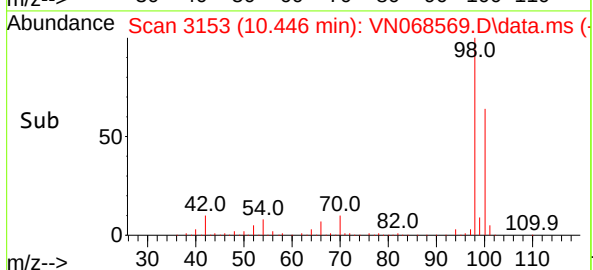
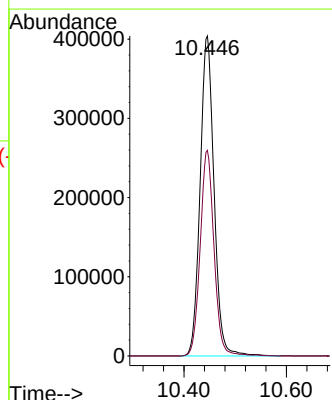
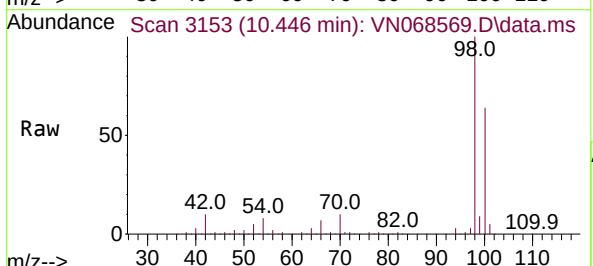
Acq: 20 Sep 2021 21:16

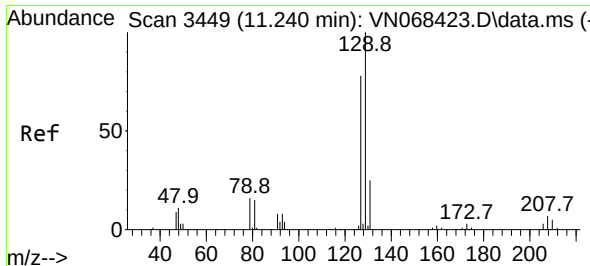
Tgt Ion: 98 Resp: 762752

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.6

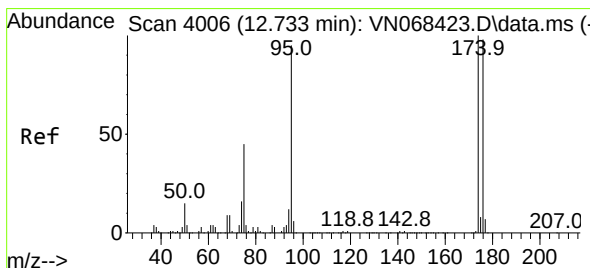
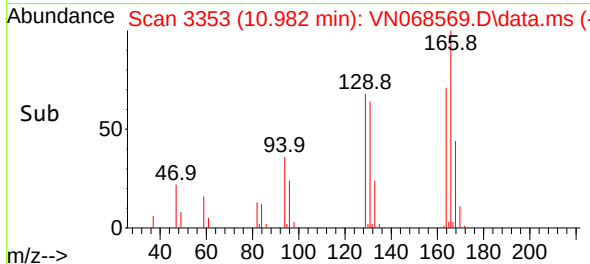
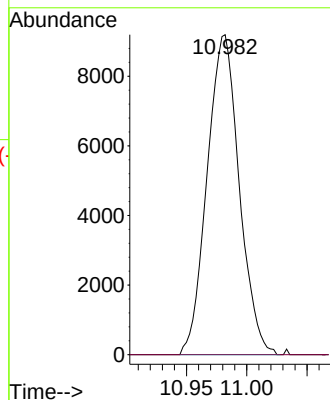
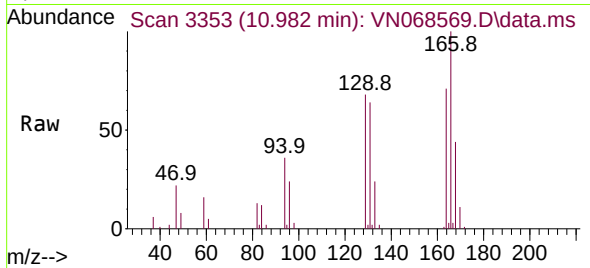




#60
Dibromochloromethane
Concen: 4.868 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

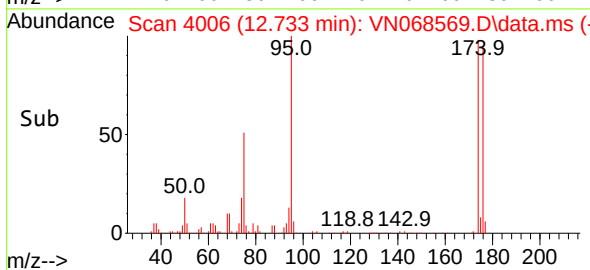
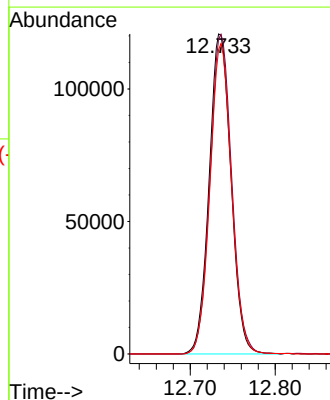
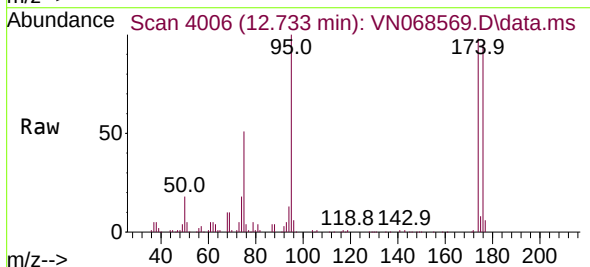
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

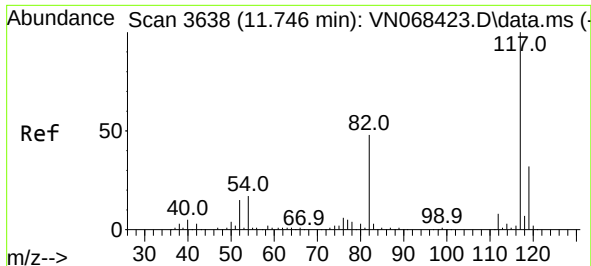
Tgt Ion:129 Resp: 17048
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 44.493 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Tgt Ion: 95 Resp: 216012
Ion Ratio Lower Upper
95 100
174 99.7 0.0 214.0
176 95.3 0.0 205.4

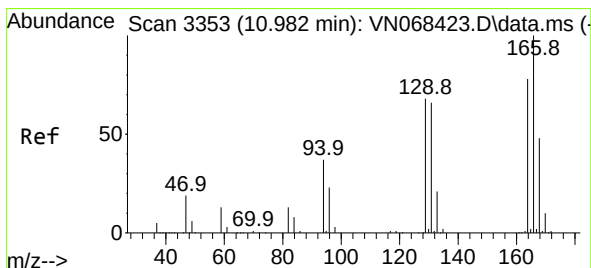
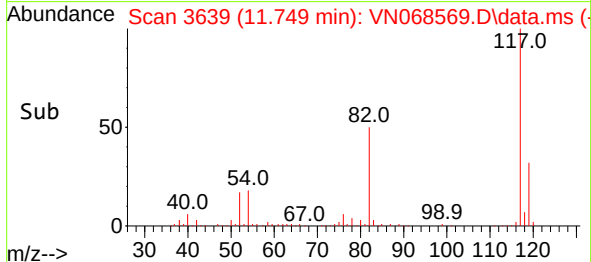
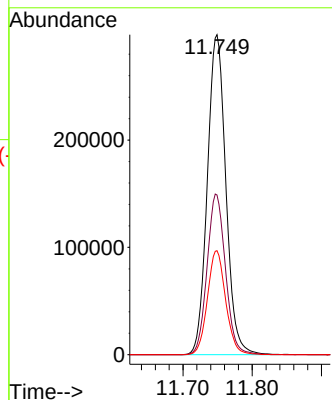
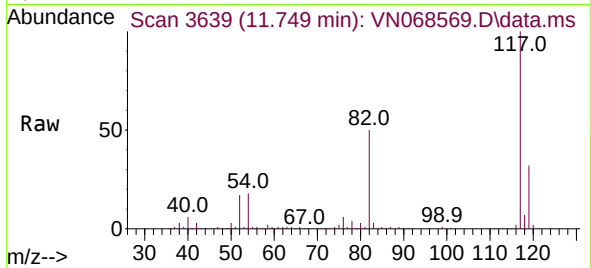




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

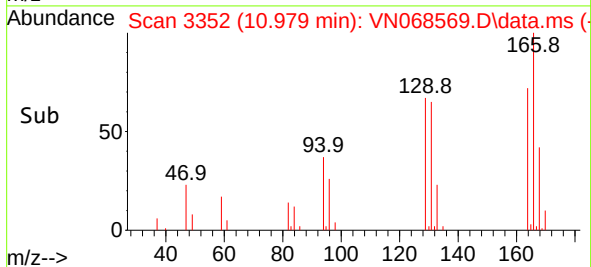
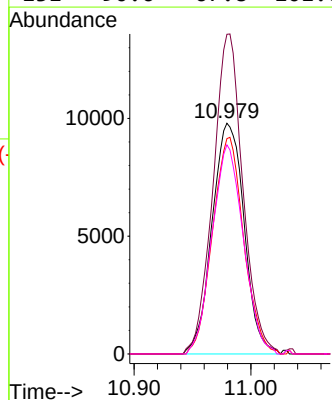
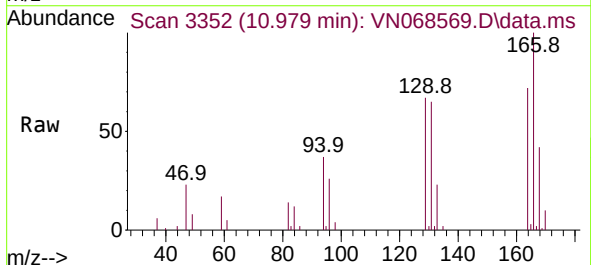
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

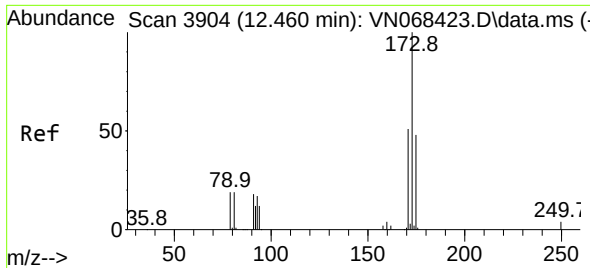
Tgt Ion:117 Resp: 554904
Ion Ratio Lower Upper
117 100
82 49.9 38.7 58.1
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 3.794 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.003 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Tgt Ion:164 Resp: 18661
Ion Ratio Lower Upper
164 100
166 138.5 102.9 154.3
129 93.3 70.1 105.1
131 90.6 67.8 101.6

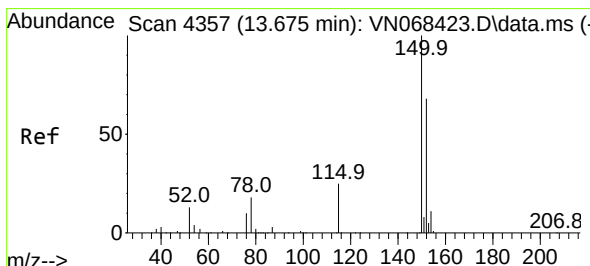
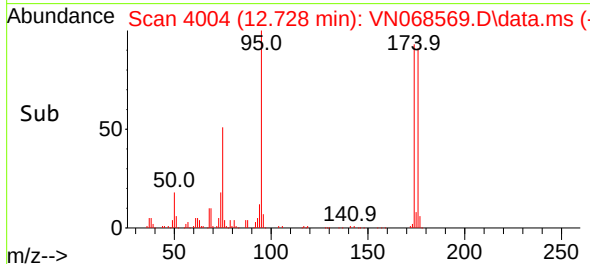
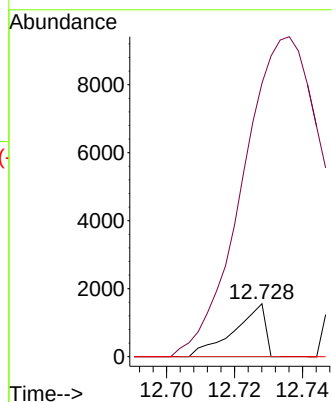
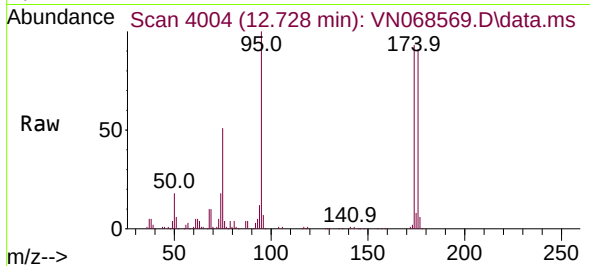




#71
Bromoform
Concen: 2.749 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

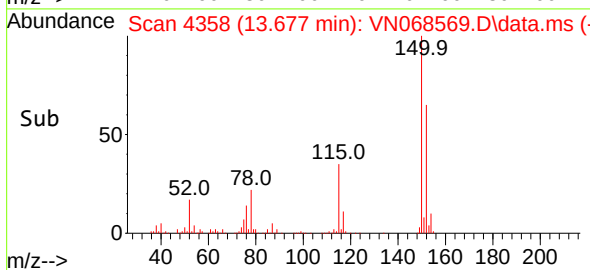
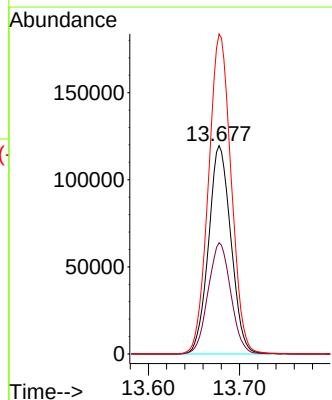
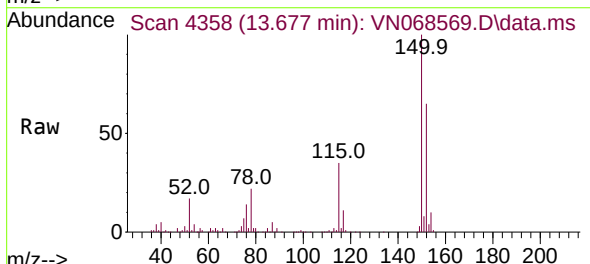
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

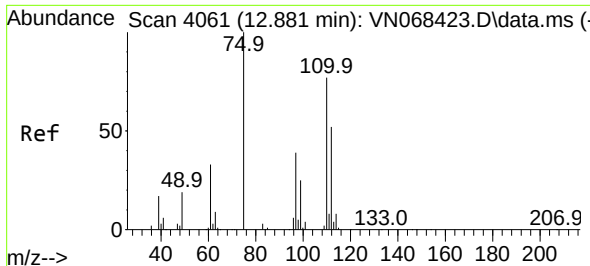
Tgt Ion:173 Resp: 993
Ion Ratio Lower Upper
173 100
175 1503.8 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Tgt Ion:152 Resp: 204002
Ion Ratio Lower Upper
152 100
115 54.2 25.6 76.6
150 155.8 0.0 346.8

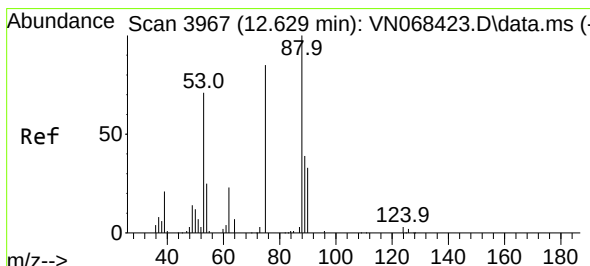
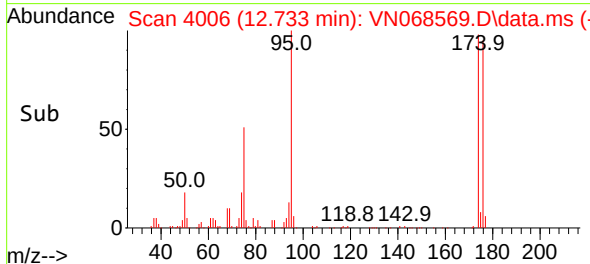
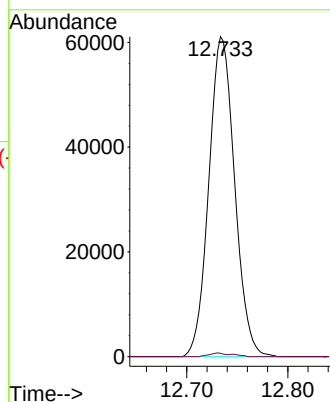
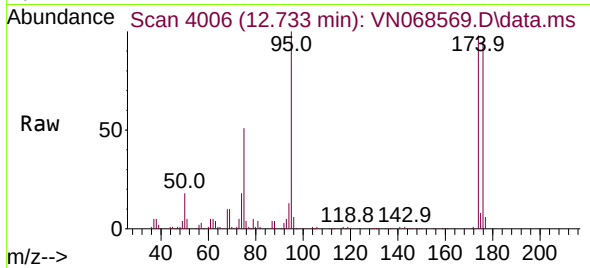




#76
1,2,3-Trichloropropane
Concen: 38.390 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

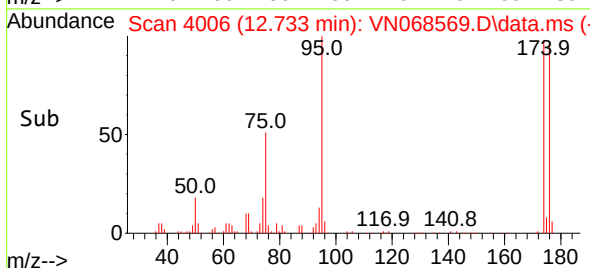
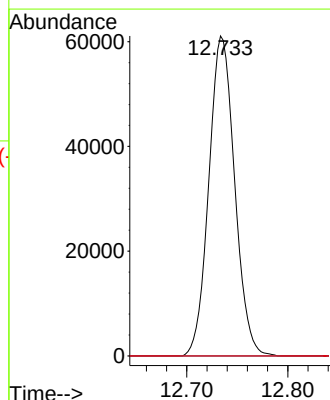
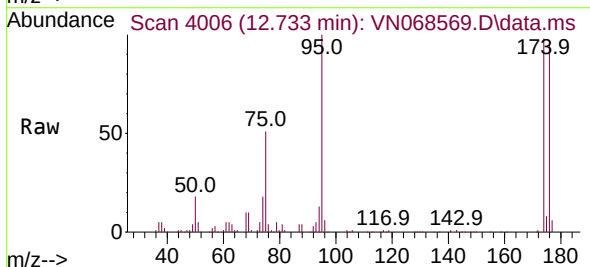
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

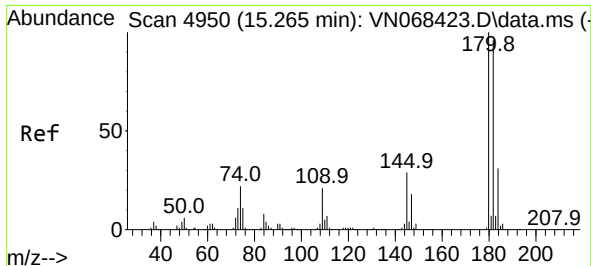
Tgt Ion: 75 Resp: 108414
Ion Ratio Lower Upper
75 100
77 0.7 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.776 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

Tgt Ion: 75 Resp: 108414
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#

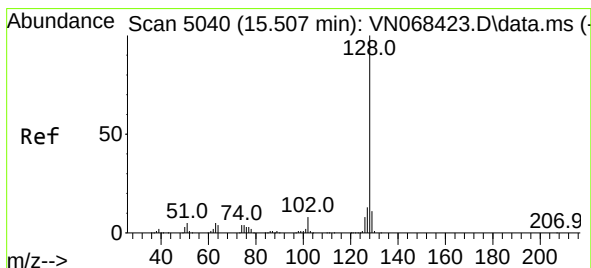
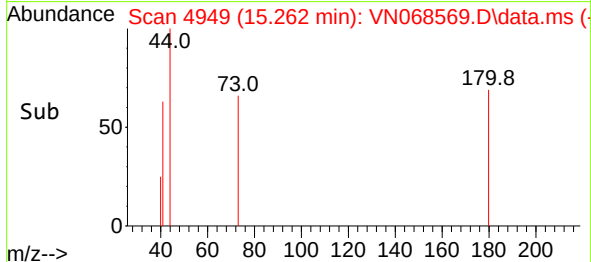
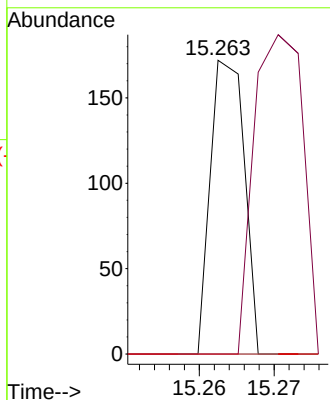
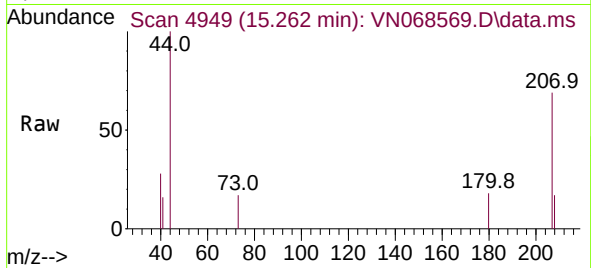




#93
1,2,4-Trichlorobenzene
Concen: 2.972 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

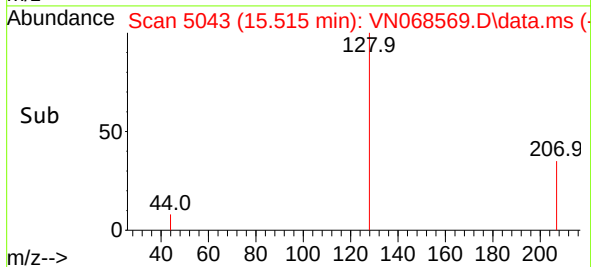
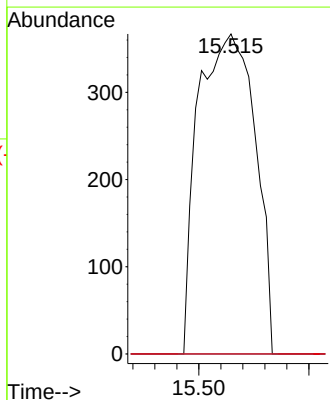
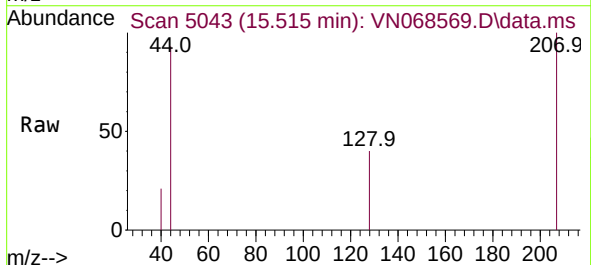
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

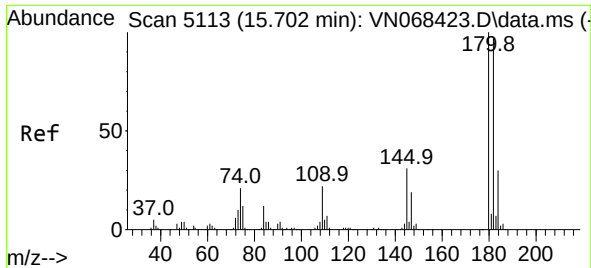
Tgt Ion:180 Resp: 54
Ion Ratio Lower Upper
180 100
182 157.4 47.5 142.6#
145 0.0 14.1 42.4#



#95
Naphthalene
Concen: 3.572 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068569.D
Acq: 20 Sep 2021 21:16

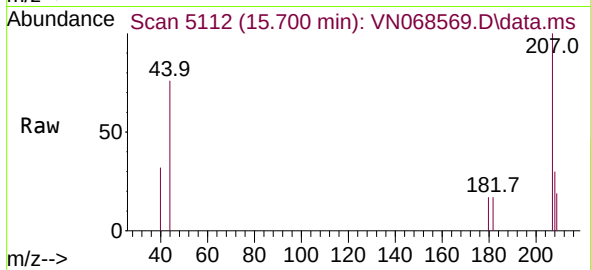
Tgt Ion:128 Resp: 659
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.988 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN068569.D
 Acq: 20 Sep 2021 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20210916DL



Tgt Ion:	180	Resp:	51
Ion	Ratio	Lower	Upper
180	100		
182	109.8	47.9	143.6
145	0.0	15.2	45.5#

