

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069860.D
 Acq On : 8 Dec 2021 14:47
 Operator : JC/MD
 Sample : M4956-03DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20211202DL

Quant Time: Dec 09 11:39:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

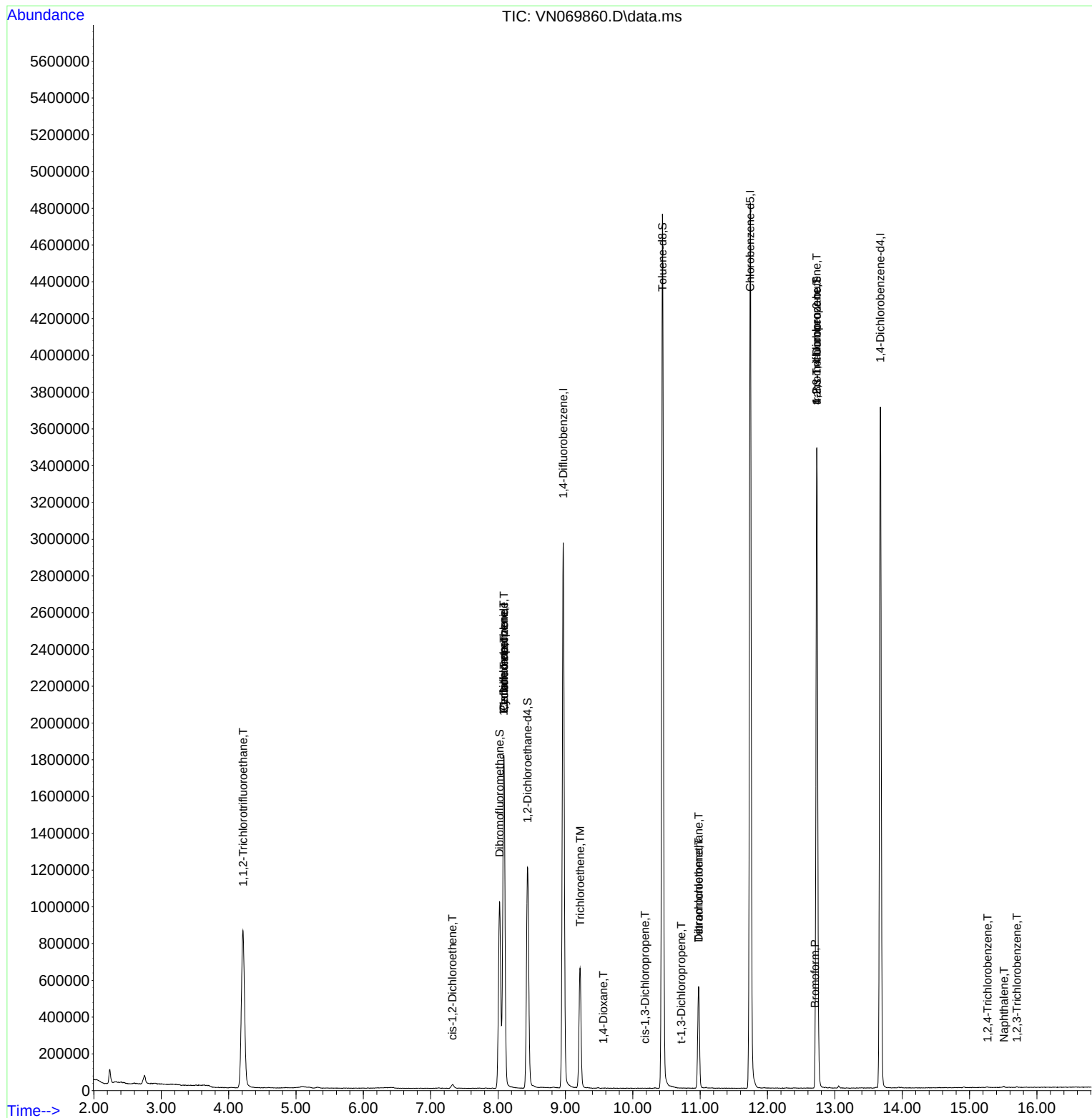
Internal Standards						
1) Pentafluorobenzene	8.088	168	1360259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2471633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2671890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1005392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1061250	50.530	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.060%			
35) Dibromofluoromethane	8.024	113	731679	47.261	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.520%			
50) Toluene-d8	10.440	98	3219405	51.789	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.731	95	1250894	55.544	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.080%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.213	101	572541	42.581	ug/l	96
27) cis-1,2-Dichloroethene	7.321	96	4586	0.270	ug/l	64
31) Cyclohexane	8.088	56	34355	1.175	ug/l #	21
36) 1,1-Dichloropropene	8.083	75	115965	4.929	ug/l #	49
38) Carbon Tetrachloride	8.086	117	138860	6.018	ug/l #	17
44) Trichloroethene	9.220	130	232851	13.565	ug/l	93
49) 1,4-Dioxane	9.561	88	418	0.963	ug/l #	76
53) t-1,3-Dichloropropene	10.719	75	170	2.800	ug/l #	72
54) cis-1,3-Dichloropropene	10.183	75	25	1.999	ug/l #	9
60) Dibromochloromethane	10.977	129	119629	8.379	ug/l #	11
64) Tetrachloroethene	10.977	164	125056	6.903	ug/l	97
71) Bromoform	12.704	173	118	2.738	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	697400	24.188	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	697400	76.796	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1466	2.962	ug/l #	81
95) Naphthalene	15.512	128	5820	4.094	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.702	180	1472	2.523	ug/l	85

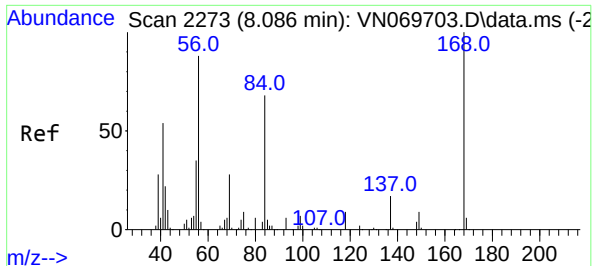
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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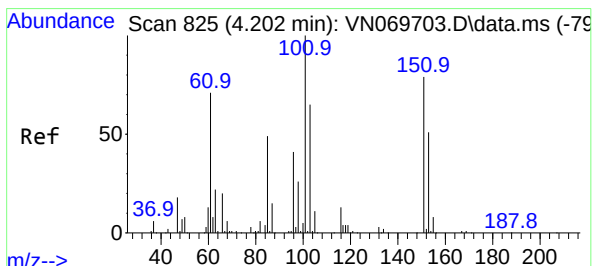
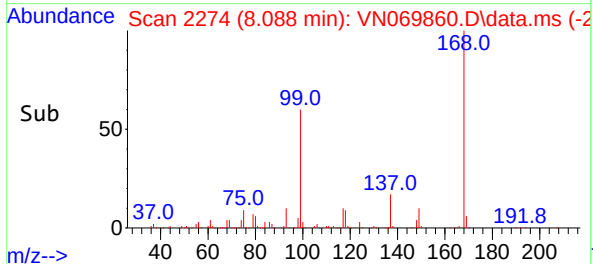
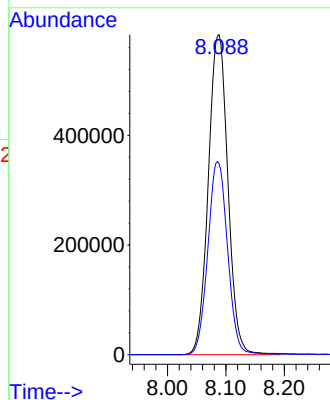
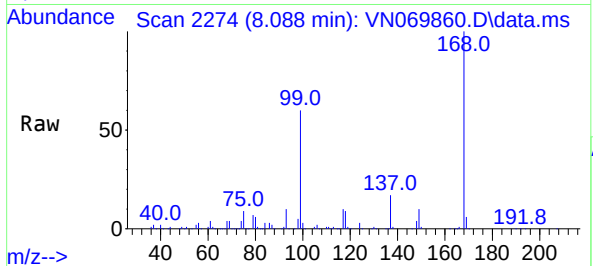




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

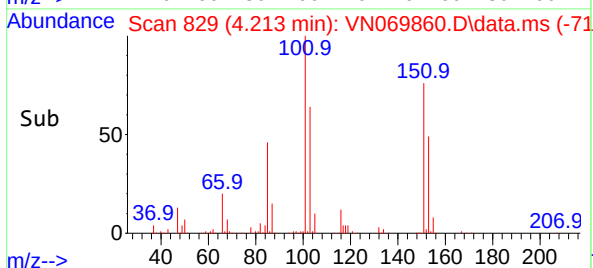
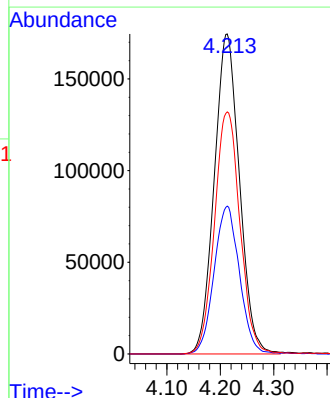
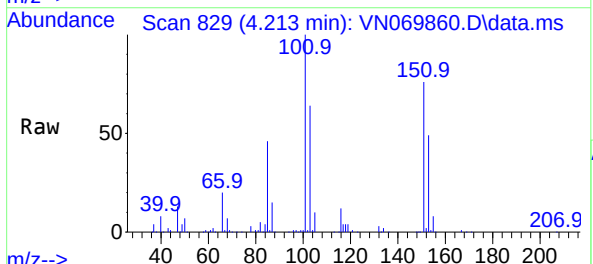
Instrument :
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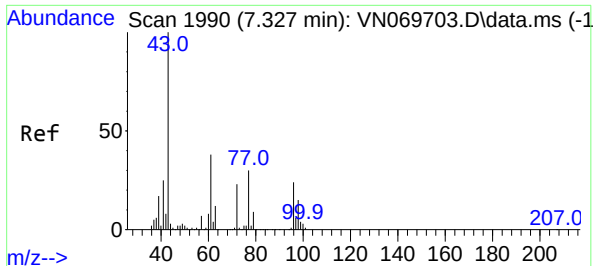
Tgt Ion:168 Resp: 1360259
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.581 ug/l
RT: 4.213 min Scan# 829
Delta R.T. 0.011 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

Tgt Ion:101 Resp: 572541
Ion Ratio Lower Upper
101 100
85 46.5 37.2 55.8
151 76.6 65.9 98.9

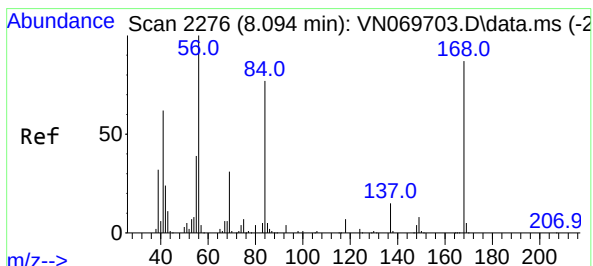
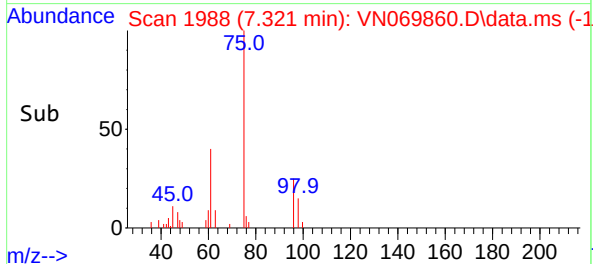
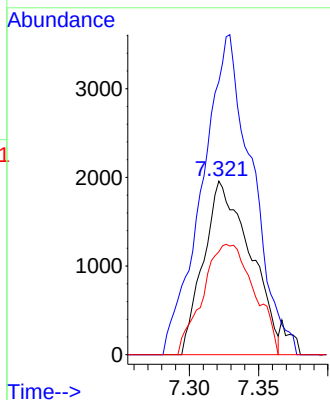
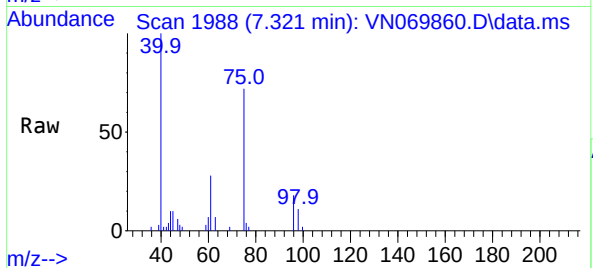




#27
cis-1,2-Dichloroethene
Concen: 0.270 ug/l
RT: 7.321 min Scan# 1990
Delta R.T. -0.005 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

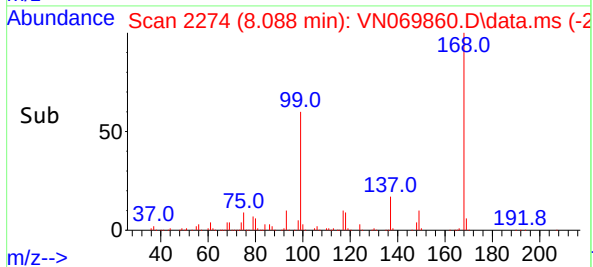
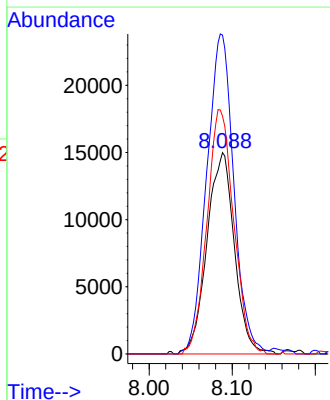
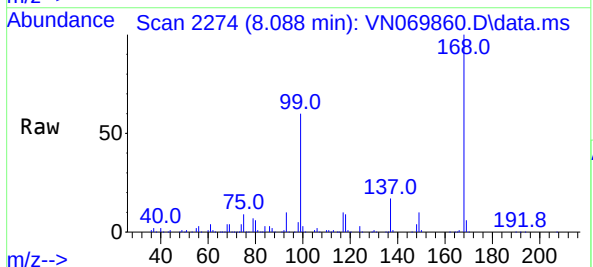
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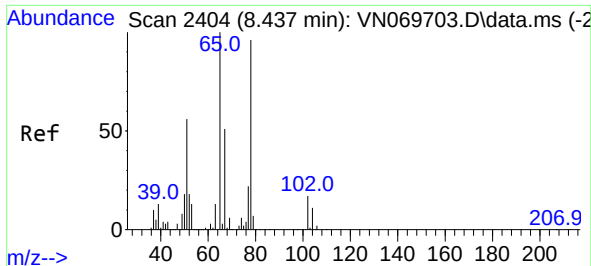
Tgt Ion:	96	Resp:	4586
Ion	Ratio	Lower	Upper
96	100		
61	198.0	0.0	275.0
98	69.9	0.0	129.6



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.005 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

Tgt Ion:	56	Resp:	34355
Ion	Ratio	Lower	Upper
56	100		
69	158.4	27.1	40.7#
84	118.1	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 50.530 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN069860.D

Acq: 8 Dec 2021 14:47

Instrument :

MSVOA_N

ClientSampleId :

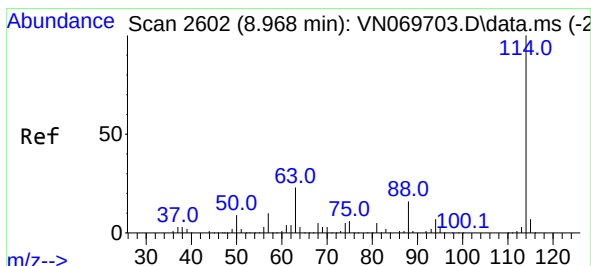
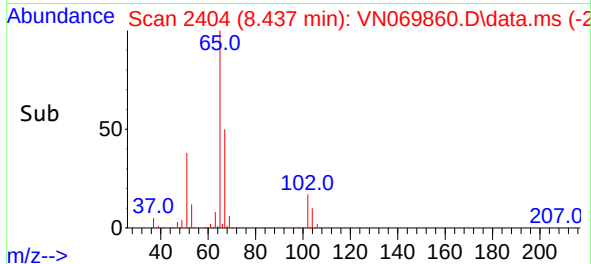
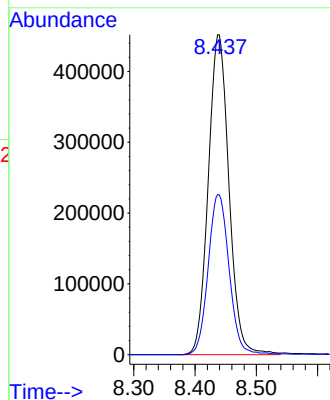
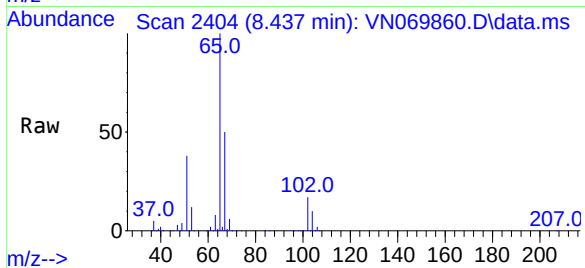
RE134D3-20211202DL

Tgt Ion: 65 Resp: 1061250

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069860.D

Acq: 8 Dec 2021 14:47

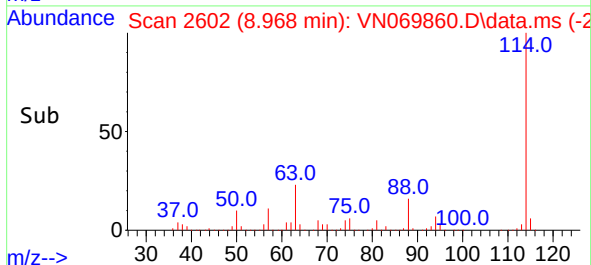
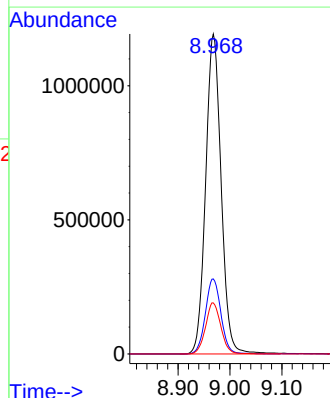
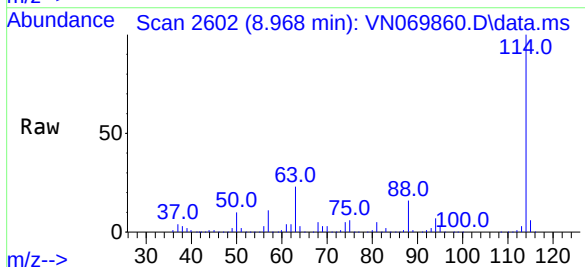
Tgt Ion: 114 Resp: 2471633

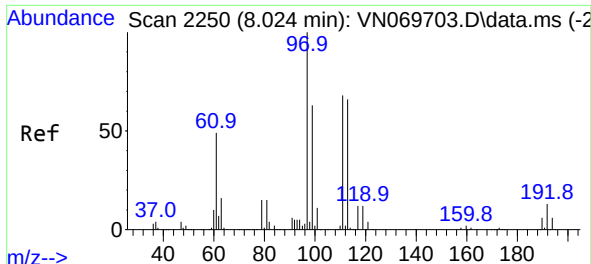
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 15.9 0.0 27.4

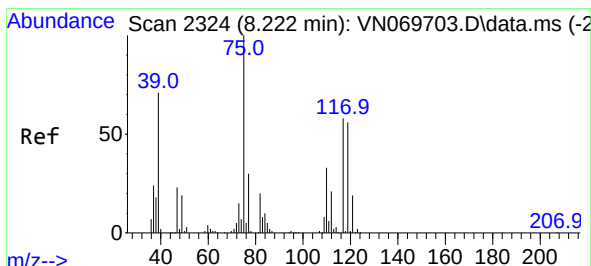
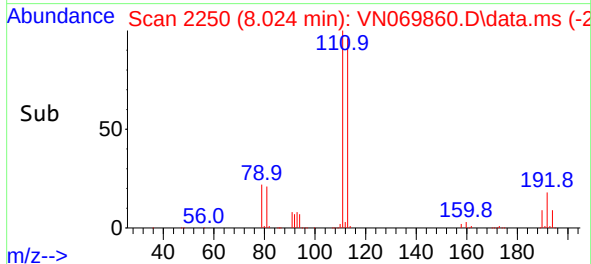
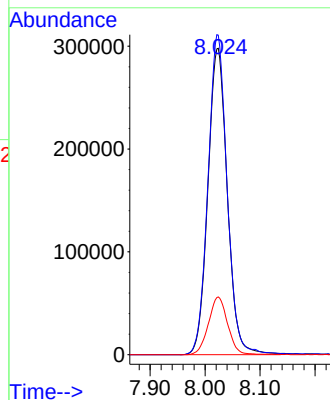
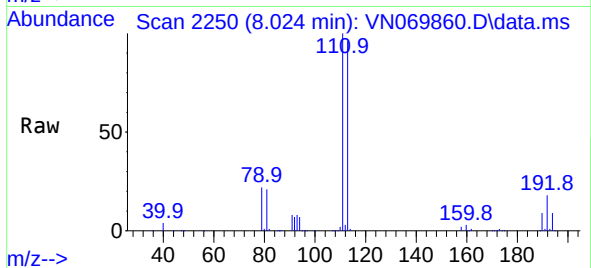




#35
Dibromofluoromethane
Concen: 47.261 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

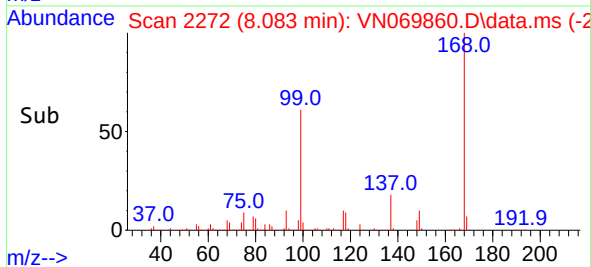
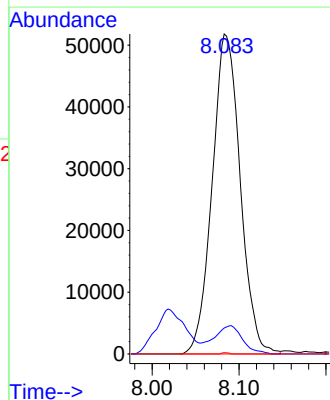
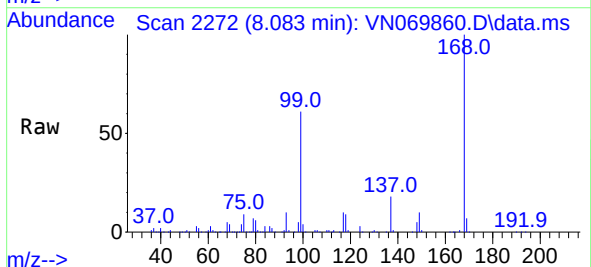
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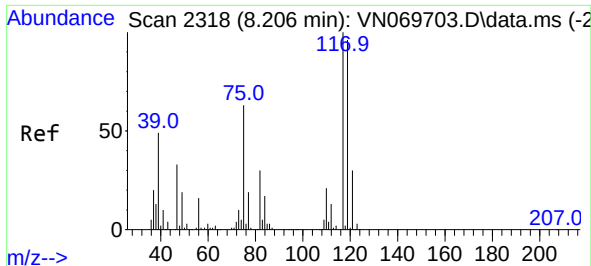
Tgt Ion:113 Resp: 731679
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.929 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

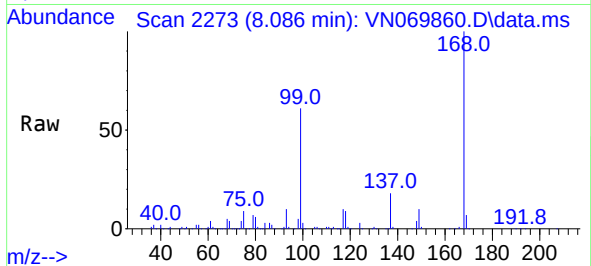
Tgt Ion: 75 Resp: 115965
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.1 24.4 36.6#



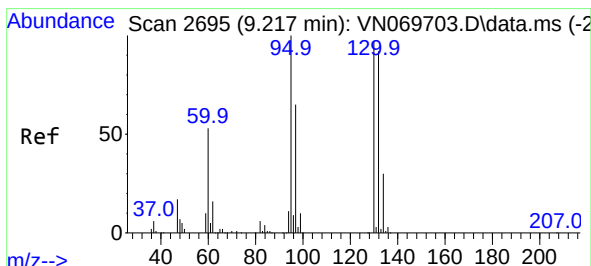
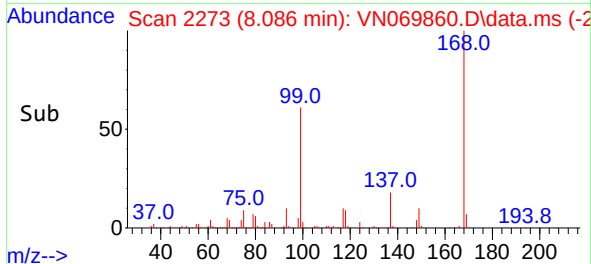
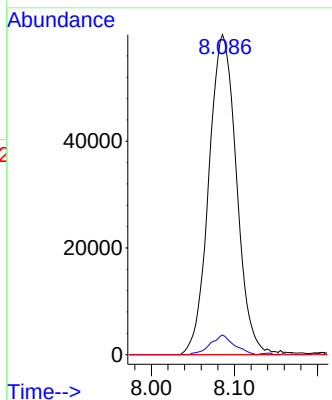


#38
Carbon Tetrachloride
Concen: 6.018 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20211202DL

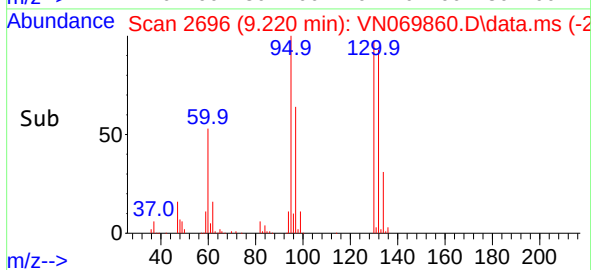
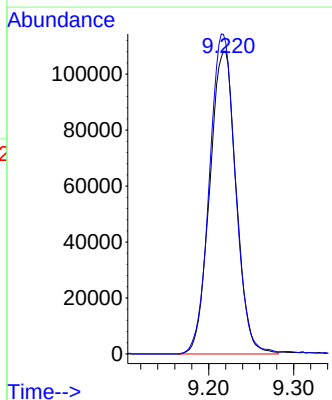
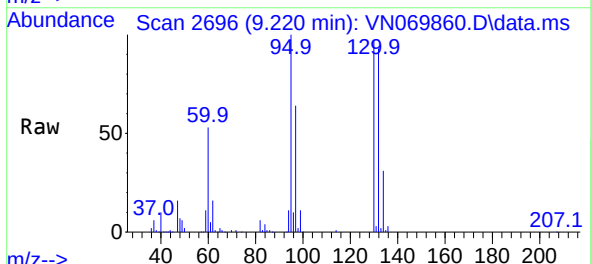


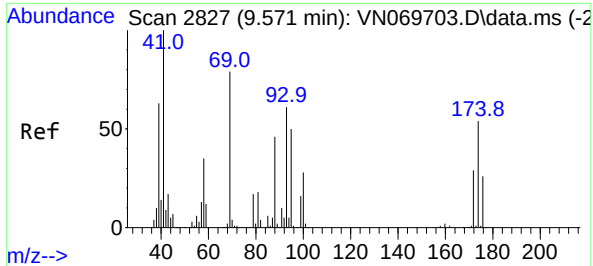
Tgt Ion:117 Resp: 138860
Ion Ratio Lower Upper
117 100
119 6.2 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 13.565 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.003 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

Tgt Ion:130 Resp: 232851
Ion Ratio Lower Upper
130 100
95 102.8 0.0 191.2

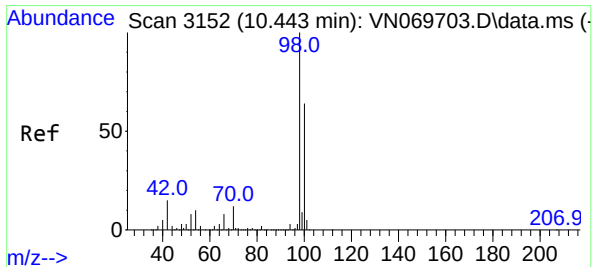
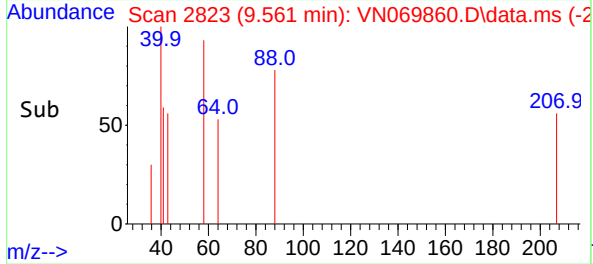
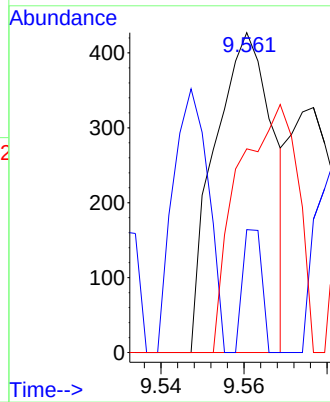
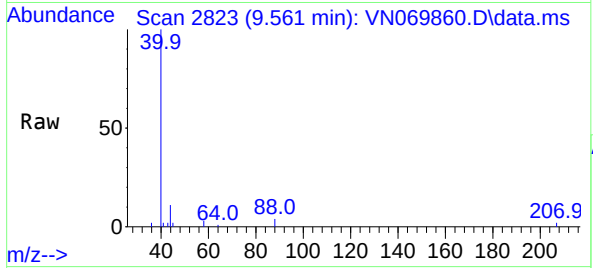




#49
1,4-Dioxane
Concen: 0.963 ug/l
RT: 9.561 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

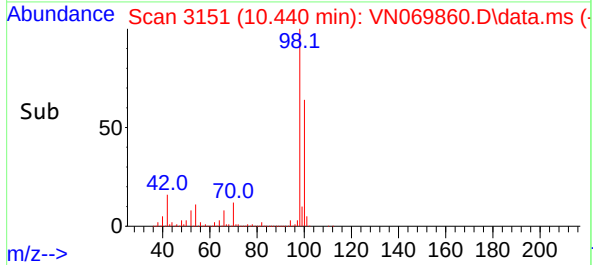
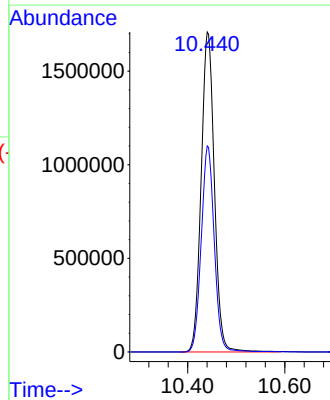
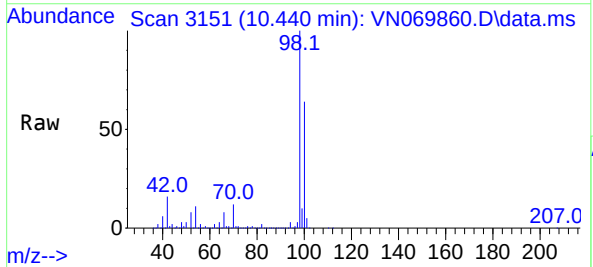
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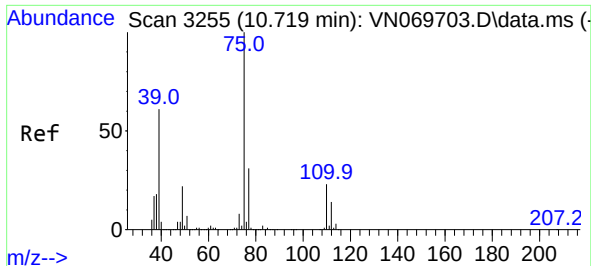
Tgt Ion: 88 Resp: 418
Ion Ratio Lower Upper
88 100
43 12.7 23.4 35.2#
58 78.9 50.6 75.8#



#50
Toluene-d8
Concen: 51.789 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

Tgt Ion: 98 Resp: 3219405
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6

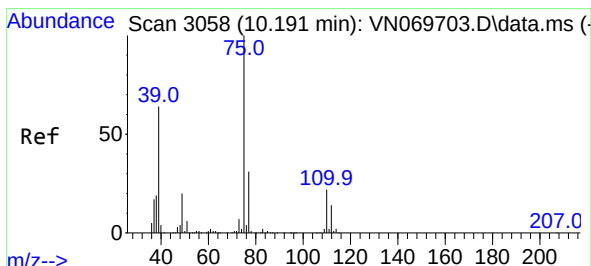
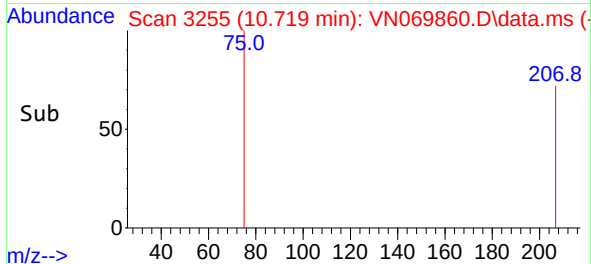
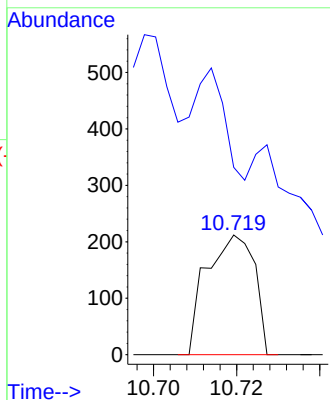
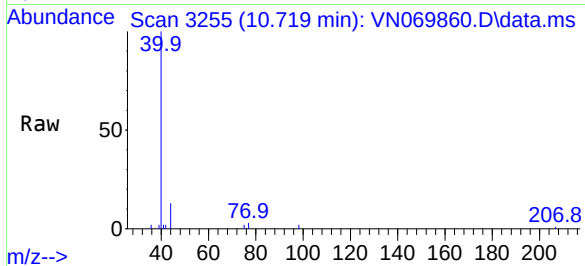




#53
t-1,3-Dichloropropene
Concen: 2.800 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

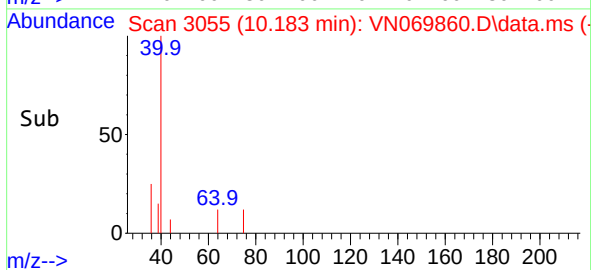
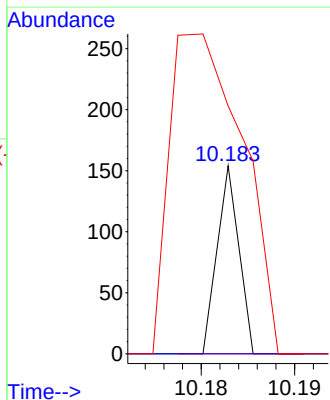
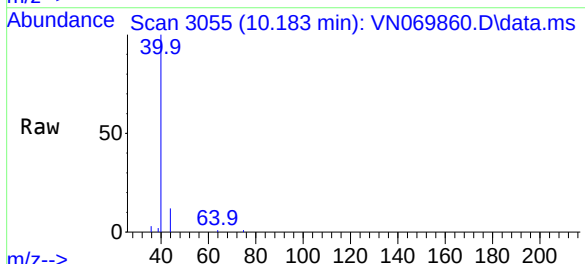
Instrument :
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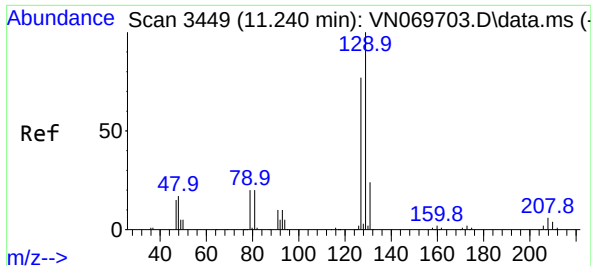
Tgt Ion: 75 Resp: 170
Ion Ratio Lower Upper
75 100
77 16.5 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 1.999 ug/l
RT: 10.183 min Scan# 3055
Delta R.T. -0.008 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 131.8 42.5 63.7#

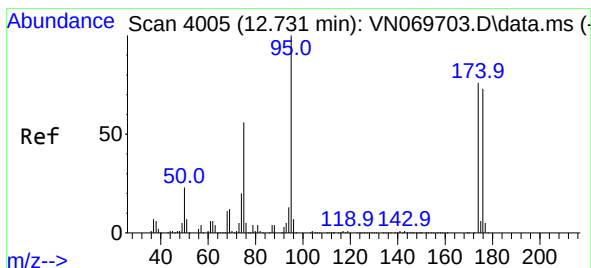
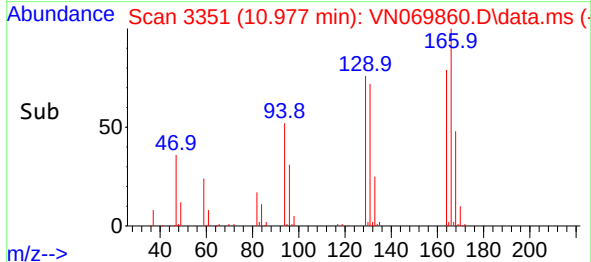
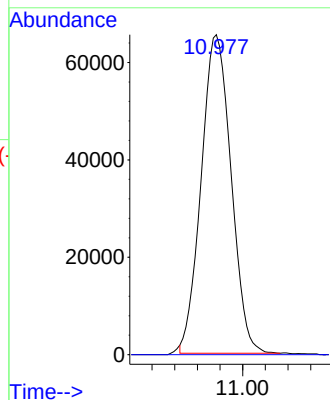
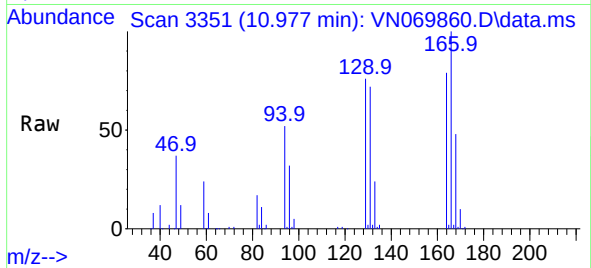




#60
Dibromochloromethane
Concen: 8.379 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

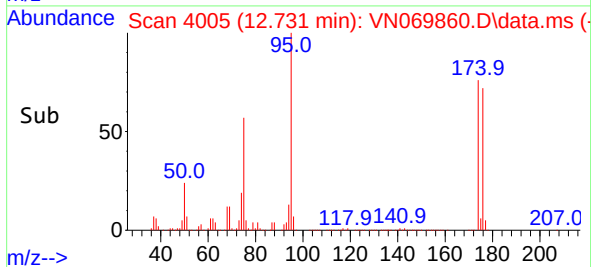
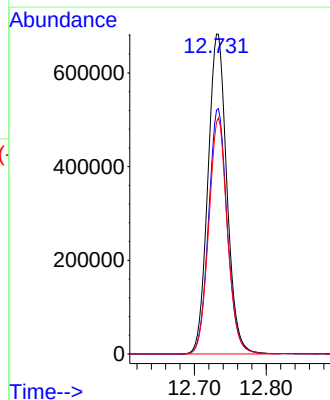
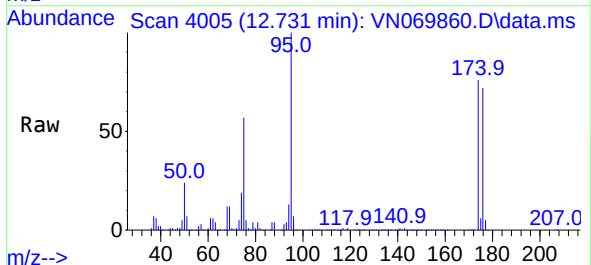
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20211202DL

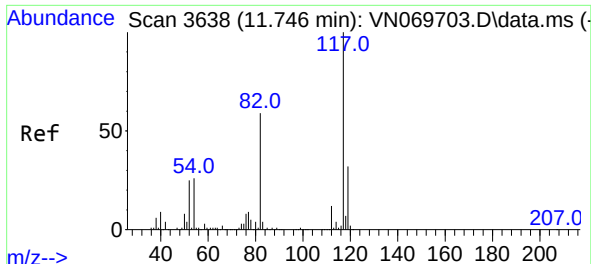
Tgt Ion:129 Resp: 119629
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.544 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

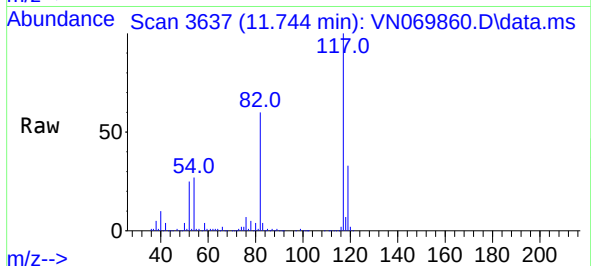
Tgt Ion: 95 Resp: 1250894
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 72.5 0.0 181.4





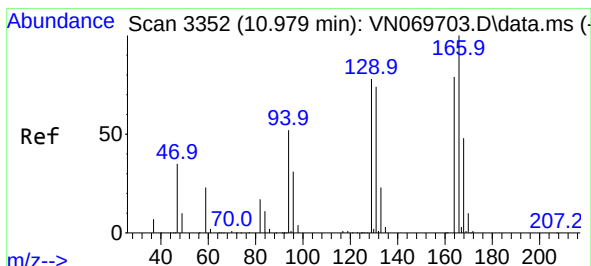
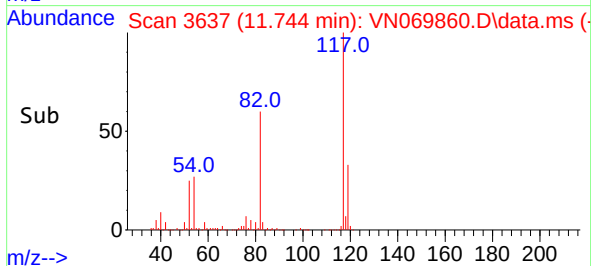
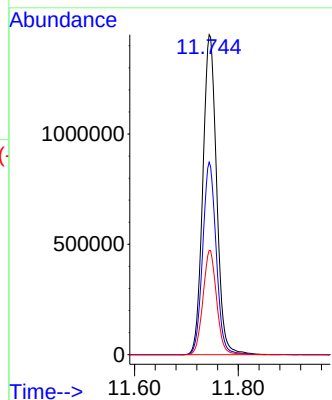
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20211202DL



Tgt Ion:117 Resp: 2671890

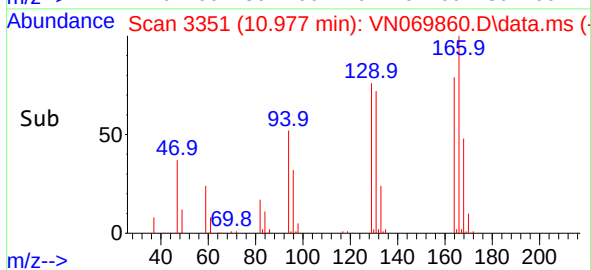
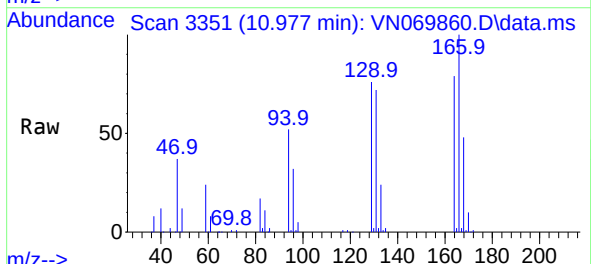
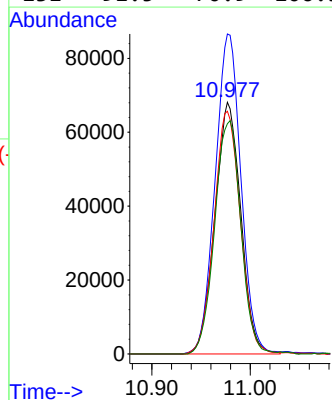
Ion	Ratio	Lower	Upper
117	100		
82	60.1	42.4	63.6
119	32.6	25.4	38.2

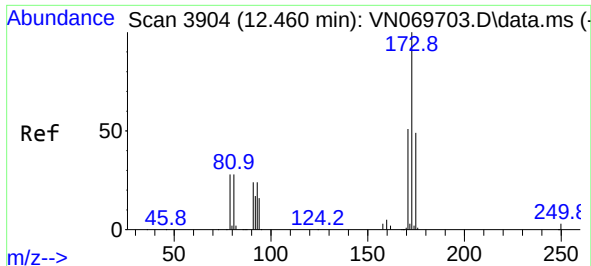


#64
Tetrachloroethene
Concen: 6.903 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

Tgt Ion:164 Resp: 125056

Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.9	152.9
129	96.5	72.0	108.0
131	91.5	70.9	106.3

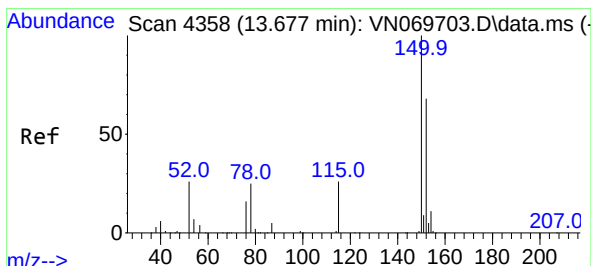
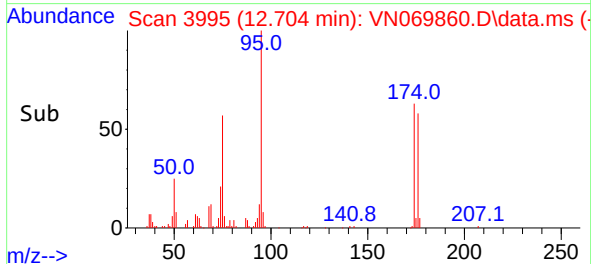
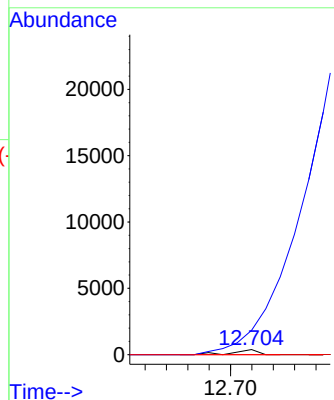
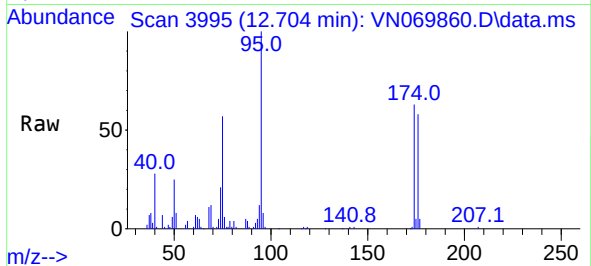




#71
Bromoform
Concen: 2.738 ug/l
RT: 12.704 min Scan# 3904
Delta R.T. 0.244 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

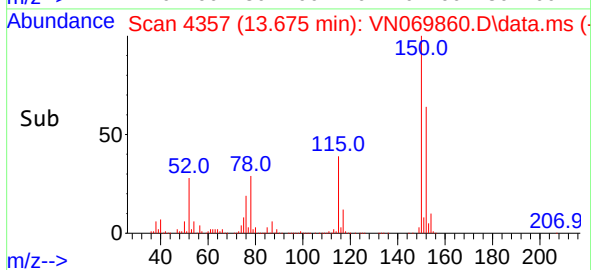
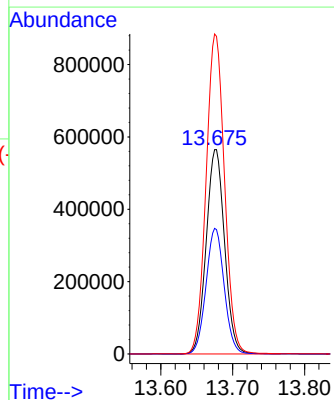
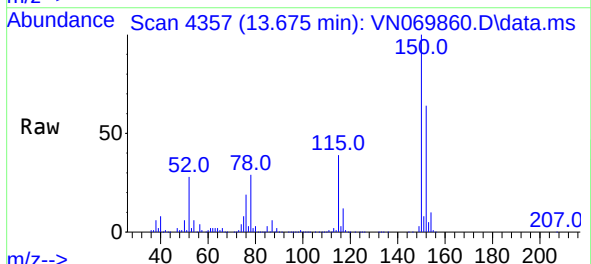
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20211202DL

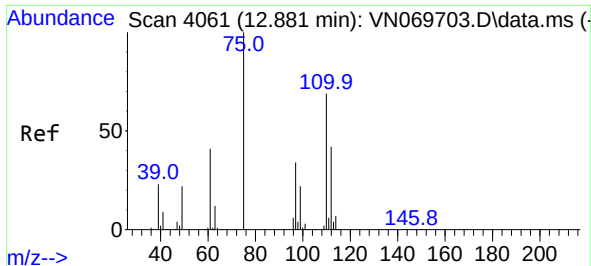
Tgt Ion:173 Resp: 118
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

Tgt Ion:152 Resp: 1005392
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 156.9 0.0 344.4

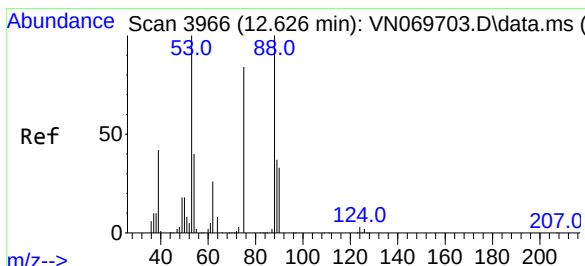
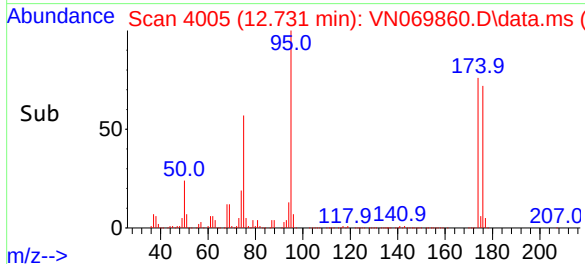
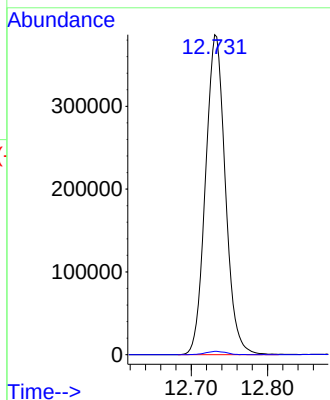
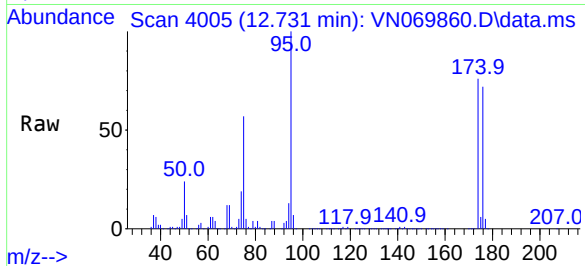




#76
1,2,3-Trichloropropane
Concen: 24.188 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

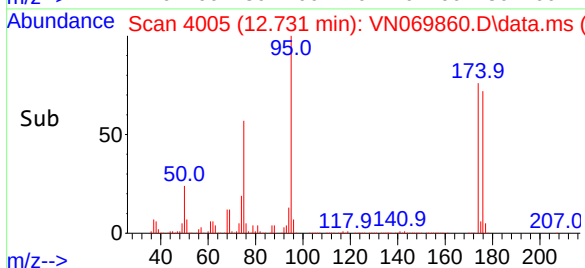
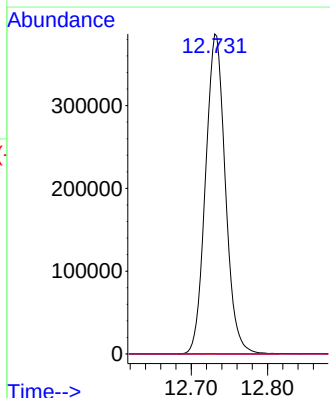
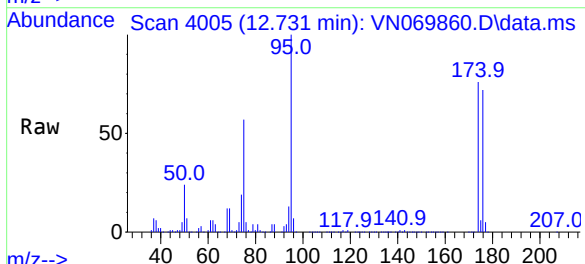
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20211202DL

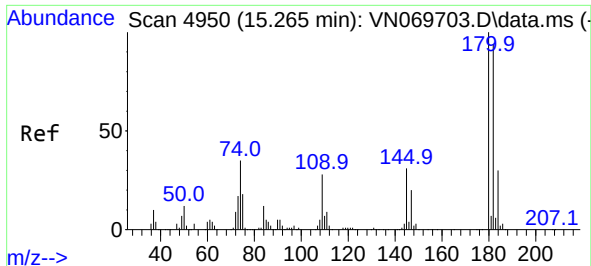
Tgt Ion: 75 Resp: 697400
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.796 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

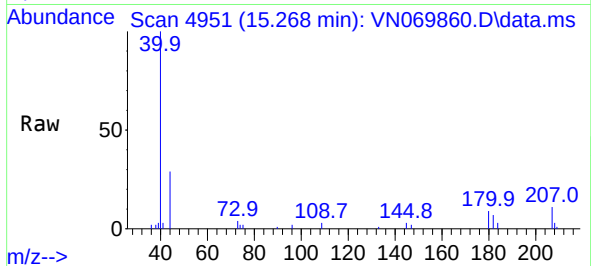
Tgt Ion: 75 Resp: 697400
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



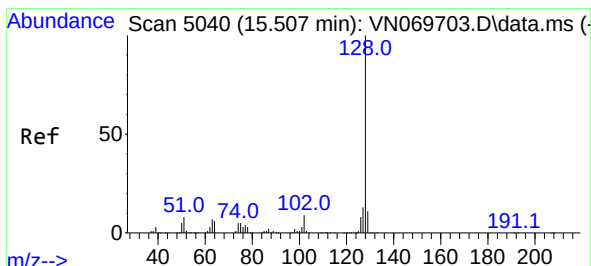
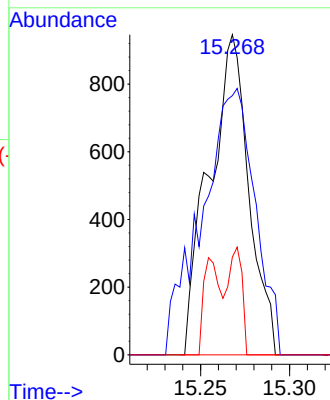
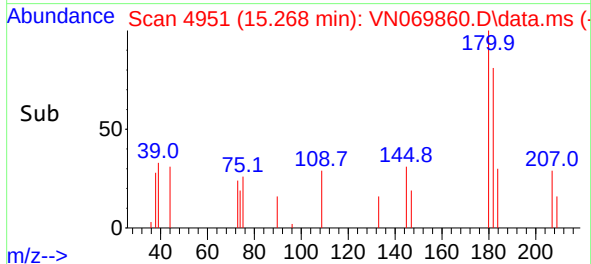


#93
1,2,4-Trichlorobenzene
Concen: 2.962 ug/l
RT: 15.268 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47

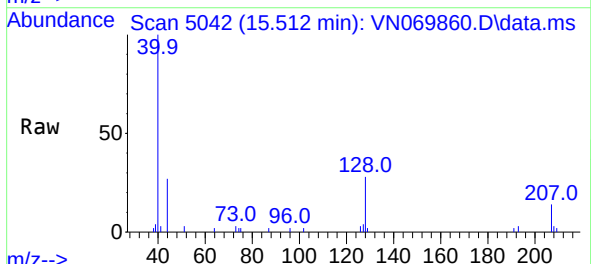
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20211202DL



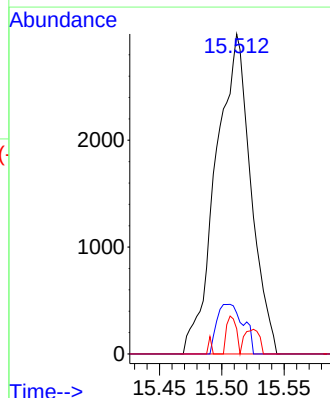
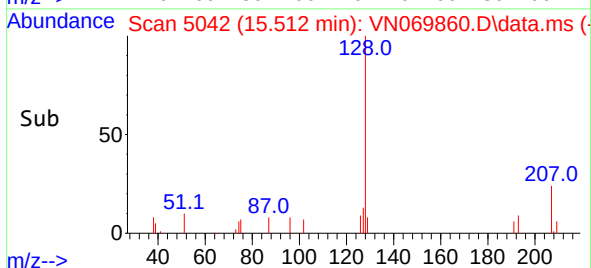
Tgt Ion:180 Resp: 1466
Ion Ratio Lower Upper
180 100
182 111.2 48.3 144.9
145 11.5 14.5 43.5#

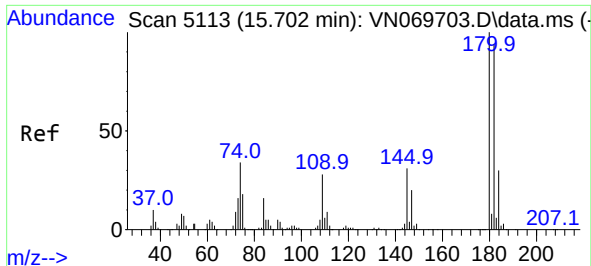


#95
Naphthalene
Concen: 4.094 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069860.D
Acq: 8 Dec 2021 14:47



Tgt Ion:128 Resp: 5820
Ion Ratio Lower Upper
128 100
127 11.7 10.5 15.7
129 3.3 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.523 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN069860.D

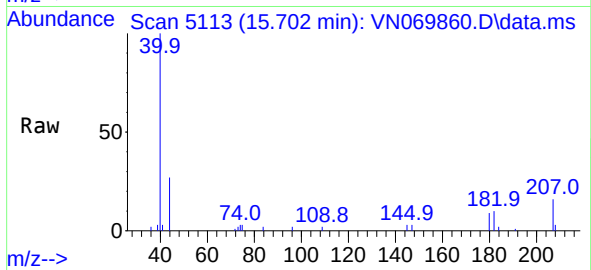
Acq: 8 Dec 2021 14:47

Instrument :

MSVOA_N

ClientSampleId :

RE134D3-20211202DL



Tgt Ion:180 Resp: 1472

Ion Ratio Lower Upper

180 100

182 113.5 47.4 142.2

145 29.3 15.0 45.1

