

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069815.D
 Acq On : 7 Dec 2021 15:24
 Operator : JC/MD
 Sample : M4956-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20211204

Quant Time: Dec 08 04:36:10 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	8.086	168	1335219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2393101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2579615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1004862	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1016783	49.32	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.64%
35) Dibromofluoromethane	8.024	113	711275	47.45	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.90%
50) Toluene-d8	10.440	98	3084351	51.24	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.48%
62) 4-Bromofluorobenzene	12.731	95	1219682	55.94	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.88%

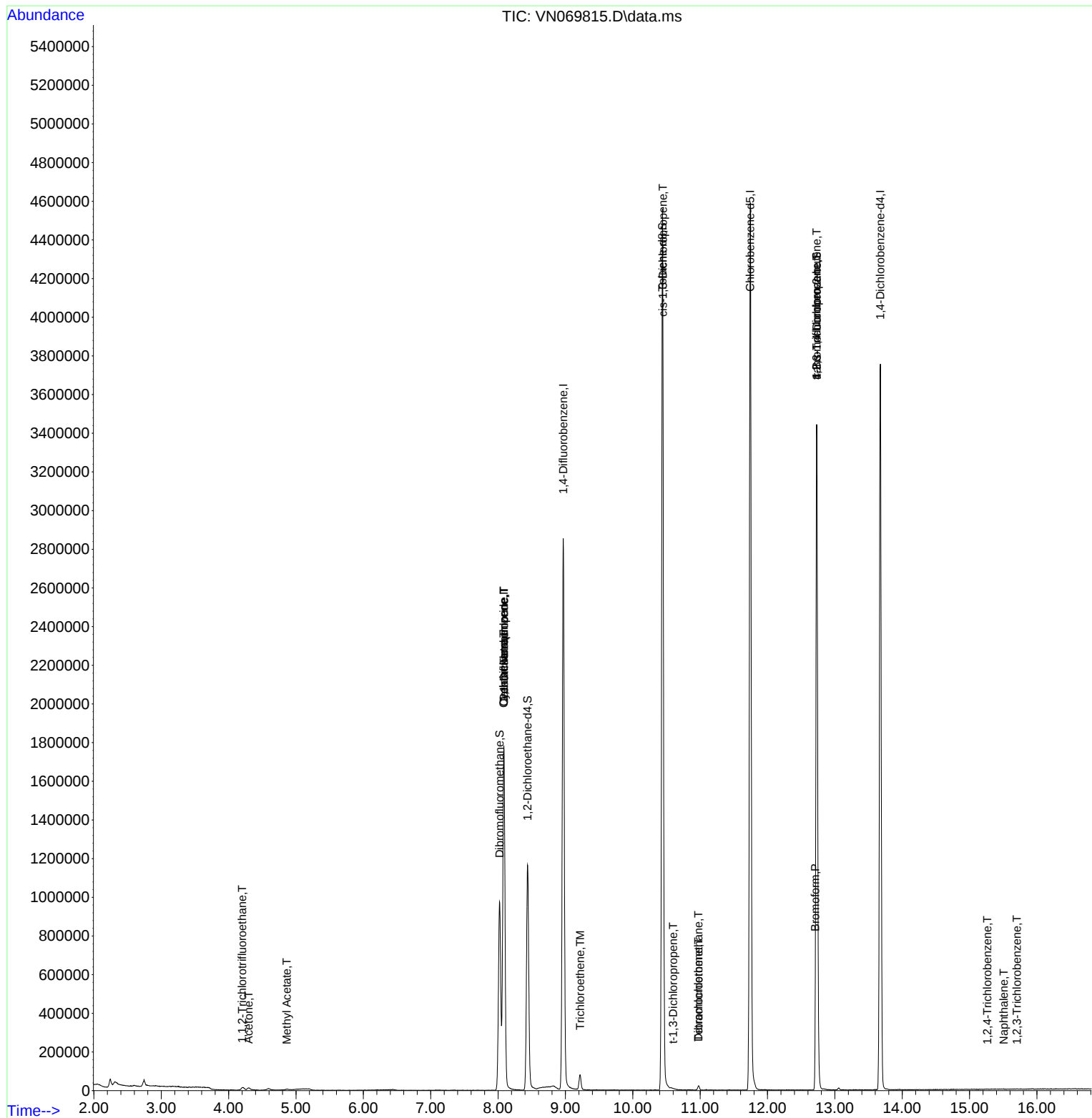
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.200	101	4281	0.32	ug/l #	42
16) Acetone	4.296	43	9399	0.76	ug/l	98
18) Methyl Acetate	4.865	43	8387	0.22	ug/l #	68
31) Cyclohexane	8.083	56	34470	1.20	ug/l #	31
36) 1,1-Dichloropropene	8.086	75	113887	5.00	ug/l #	49
38) Carbon Tetrachloride	8.088	117	134899	6.04	ug/l #	16
44) Trichloroethene	9.217	130	26322	1.58	ug/l	90
53) t-1,3-Dichloropropene	10.599	75	101	2.80	ug/l #	1
54) cis-1,3-Dichloropropene	10.449	75	639	2.02	ug/l #	1
60) Dibromochloromethane	10.974	129	4808	2.63	ug/l #	11
64) Tetrachloroethene	10.974	164	5311	0.30	ug/l	95
71) Bromoform	12.709	173	223	2.74	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	682565	23.69	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	682565	75.29	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	213	2.89	ug/l #	43
95) Naphthalene	15.507	128	1536	4.01	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.703	180	381	2.46	ug/l #	47

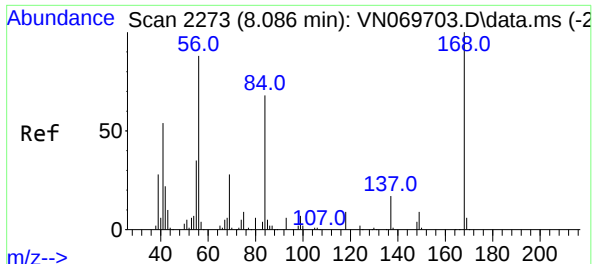
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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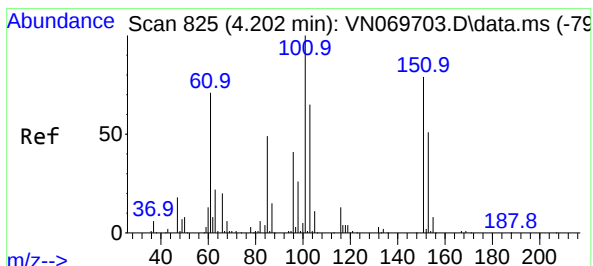
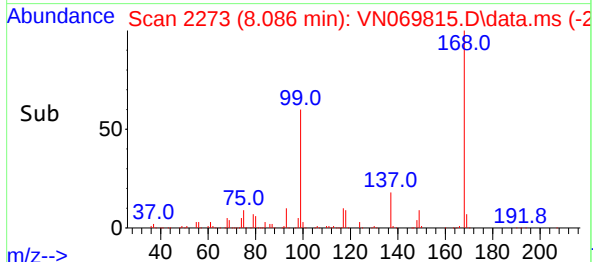
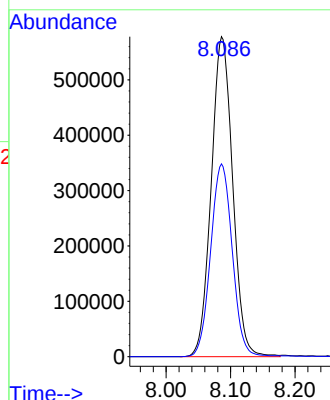
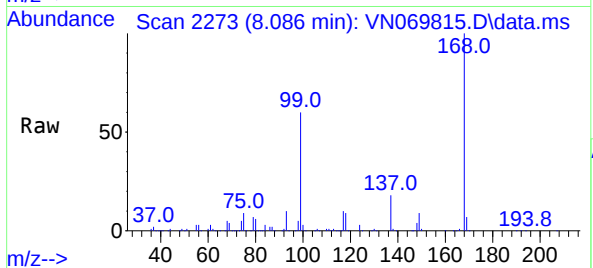




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

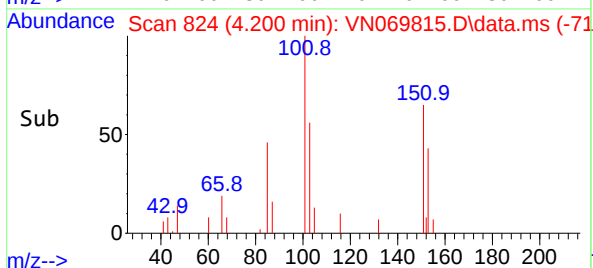
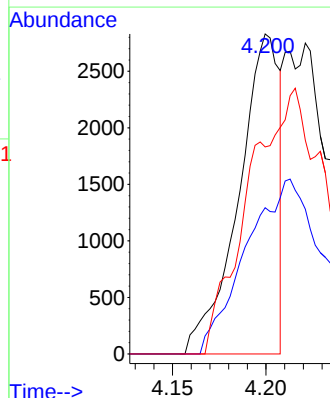
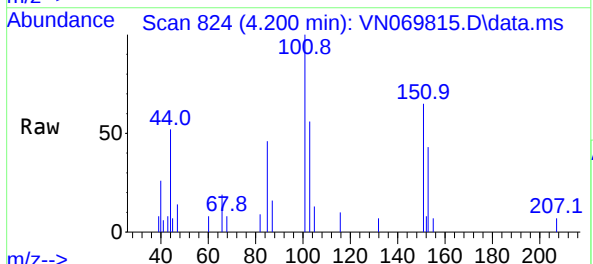
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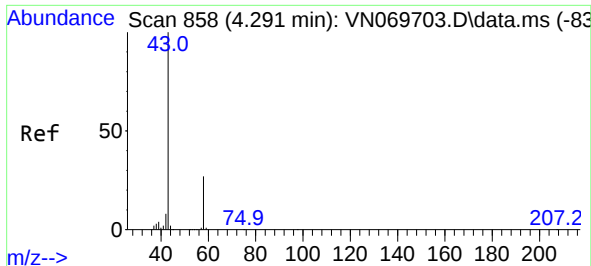
Tgt Ion:168 Resp: 1335219
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.32 ug/l
RT: 4.200 min Scan# 824
Delta R.T. -0.002 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

Tgt Ion:101 Resp: 4281
Ion Ratio Lower Upper
101 100
85 109.0 37.2 55.8#
151 48.9 65.9 98.9#

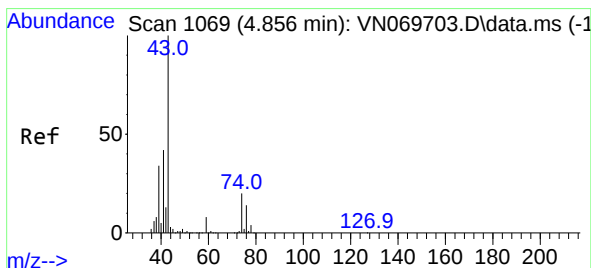
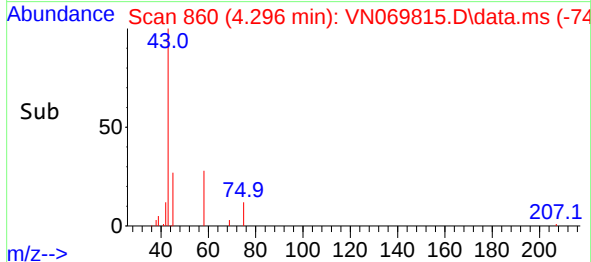
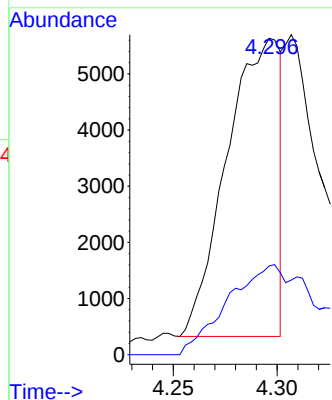
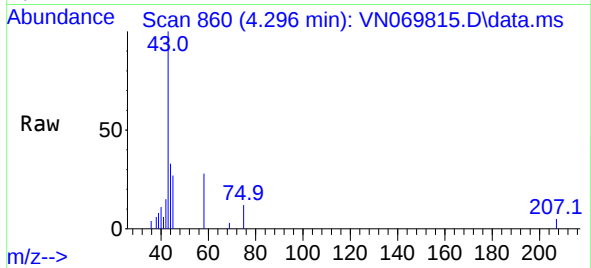




#16
Acetone
Concen: 0.76 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.006 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

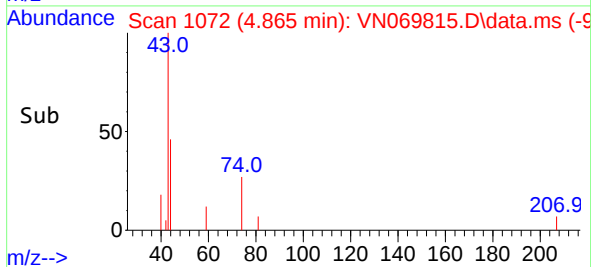
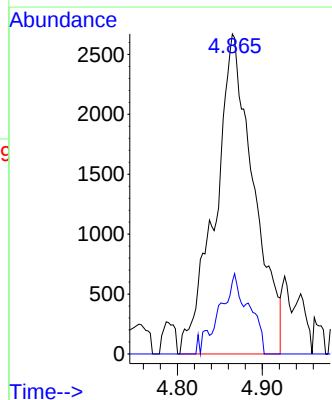
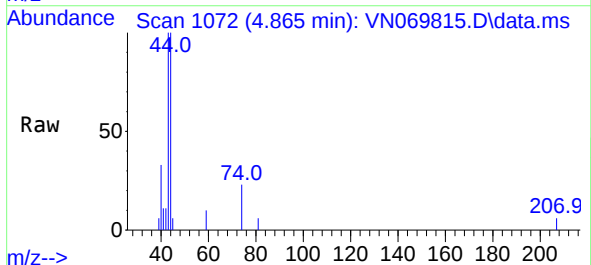
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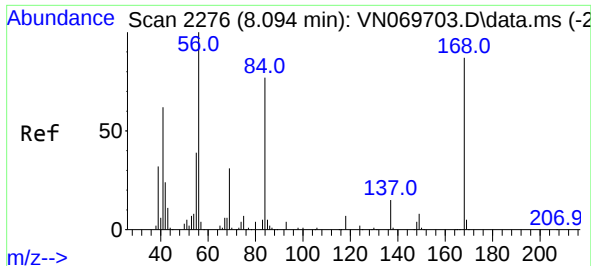
Tgt Ion: 43 Resp: 9399
Ion Ratio Lower Upper
43 100
58 29.7 23.1 34.7



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

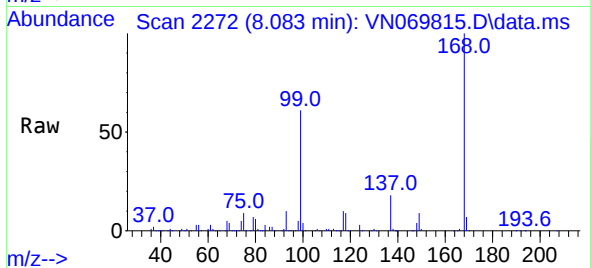
Tgt Ion: 43 Resp: 8387
Ion Ratio Lower Upper
43 100
74 8.3 19.4 29.2#



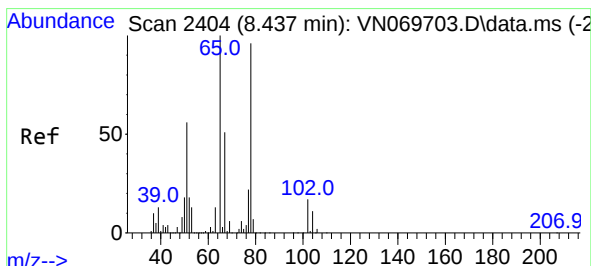
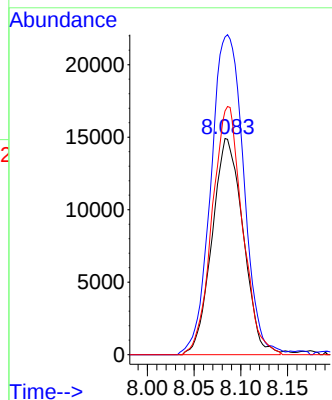
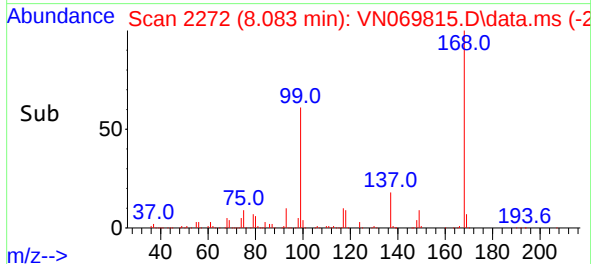


#31
Cyclohexane
Concen: 1.20 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

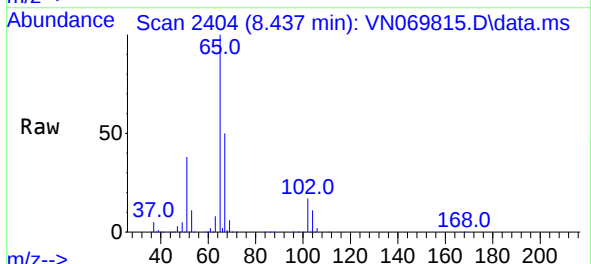
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20211204



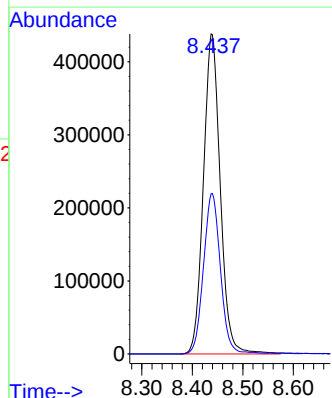
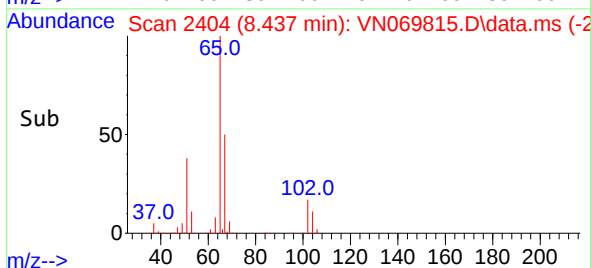
Tgt Ion: 56 Resp: 34470
Ion Ratio Lower Upper
56 100
69 145.9 27.1 40.7#
84 112.7 73.4 110.0#

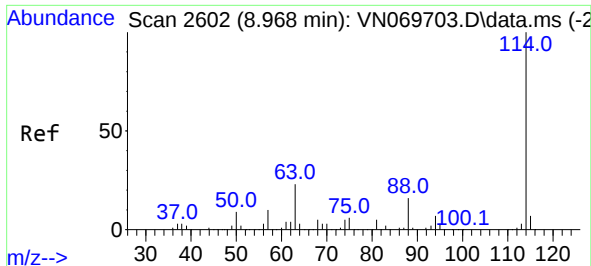


#33
1,2-Dichloroethane-d4
Concen: 49.32 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24



Tgt Ion: 65 Resp: 1016783
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0

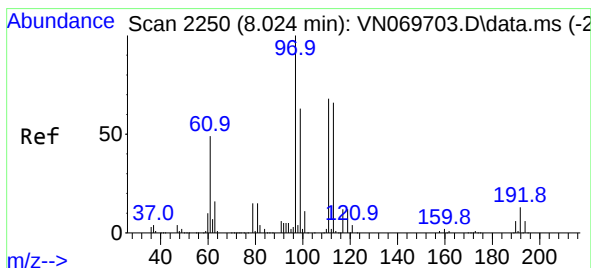
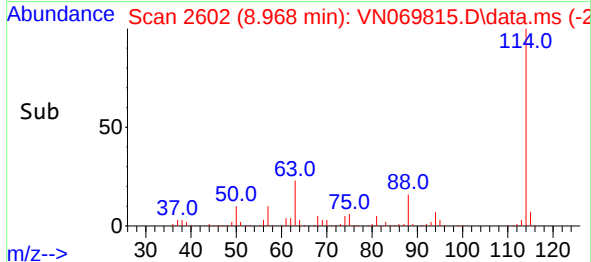
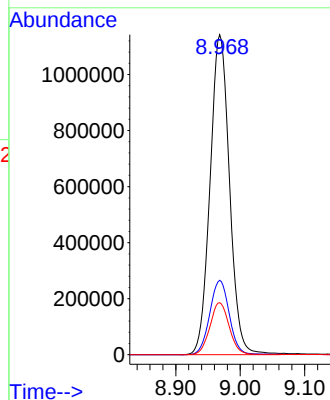
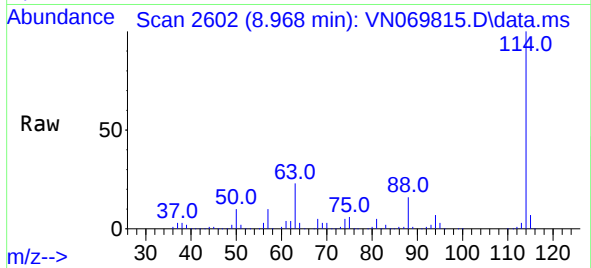




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

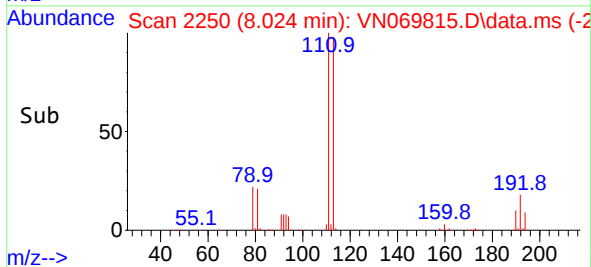
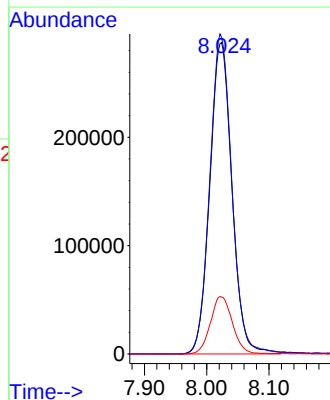
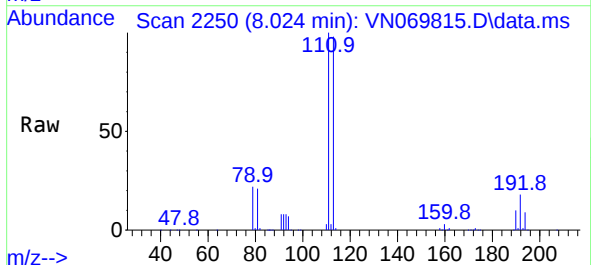
Instrument :
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ClientSampleId :
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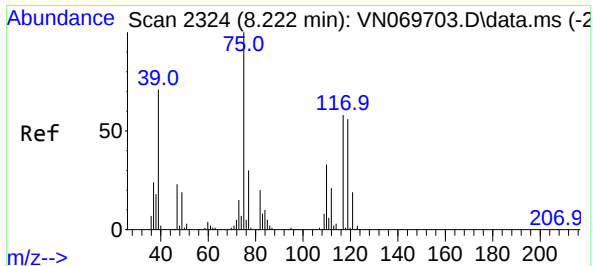
Tgt Ion:114 Resp: 2393101
Ion Ratio Lower Upper
114 100
63 23.2 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.45 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

Tgt Ion:113 Resp: 711275
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 18.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.00 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN069815.D

Acq: 7 Dec 2021 15:24

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20211204

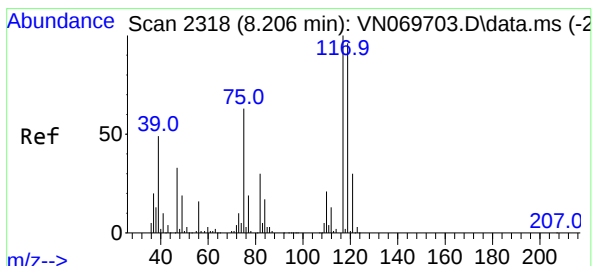
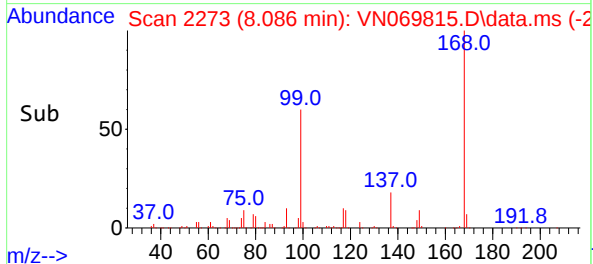
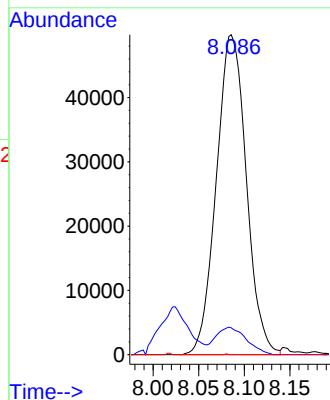
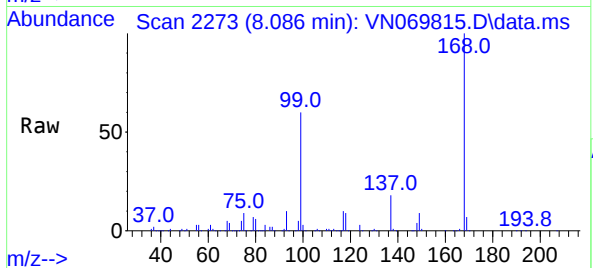
Tgt Ion: 75 Resp: 113887

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.04 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.118 min

Lab File: VN069815.D

Acq: 7 Dec 2021 15:24

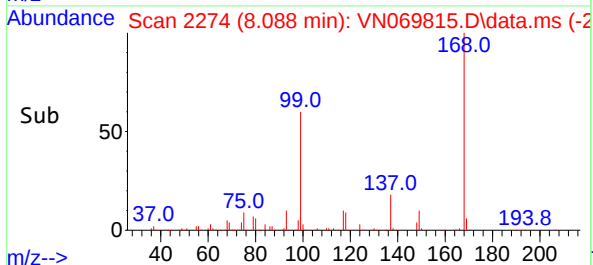
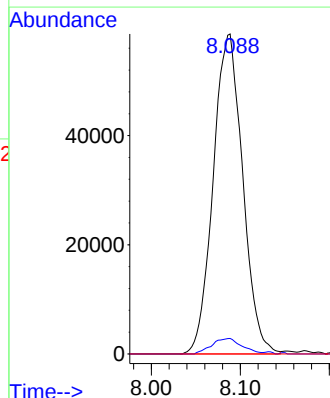
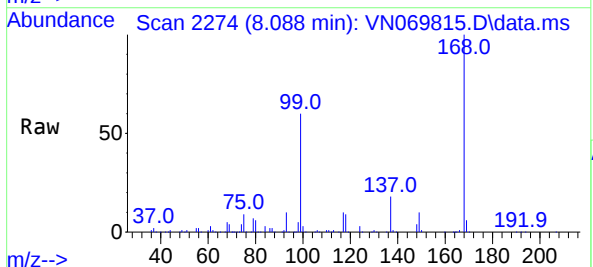
Tgt Ion: 117 Resp: 134899

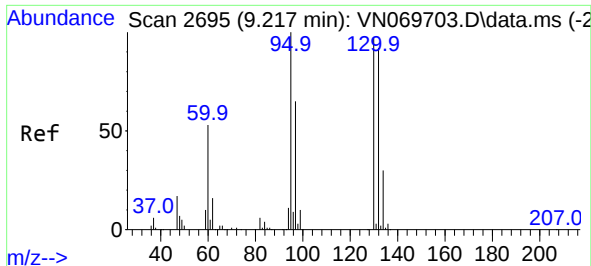
Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

121 0.0 24.2 36.2#

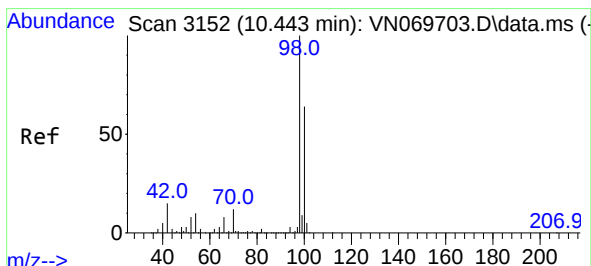
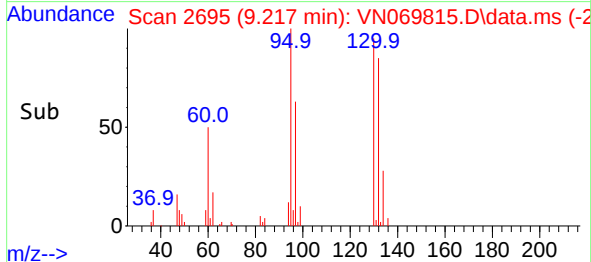
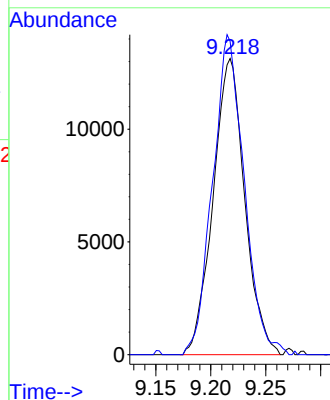
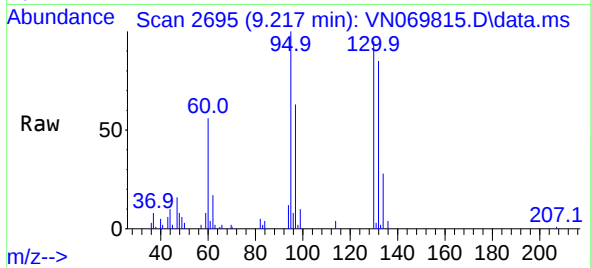




#44
Trichloroethene
Concen: 1.58 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

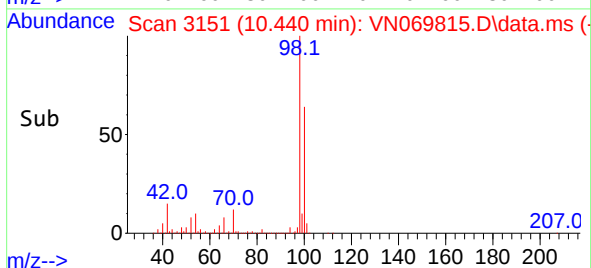
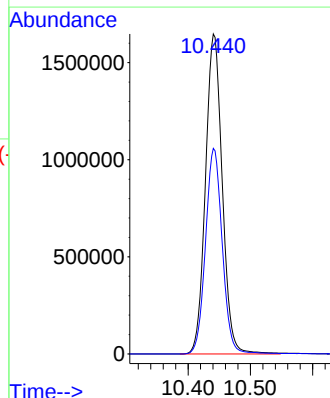
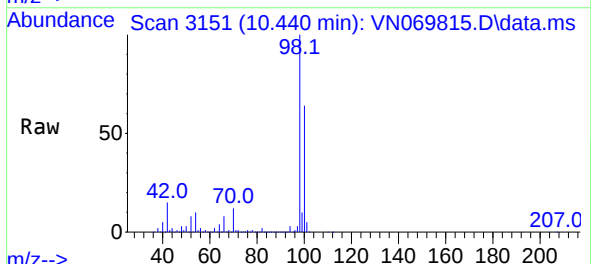
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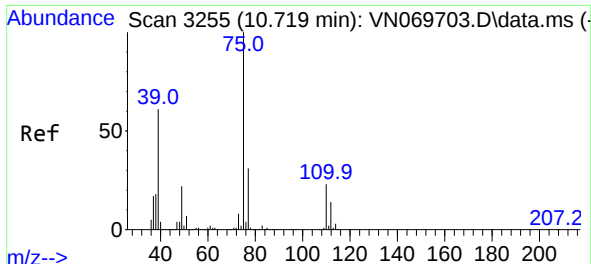
Tgt Ion:130 Resp: 26322
Ion Ratio Lower Upper
130 100
95 105.8 0.0 191.2



#50
Toluene-d8
Concen: 51.24 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

Tgt Ion: 98 Resp: 3084351
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6

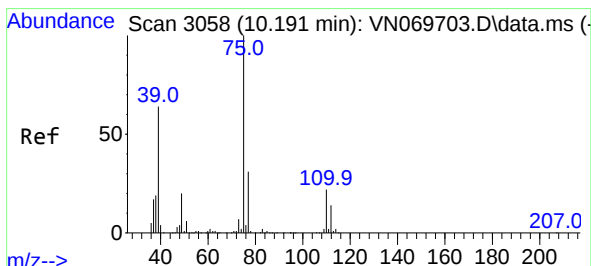
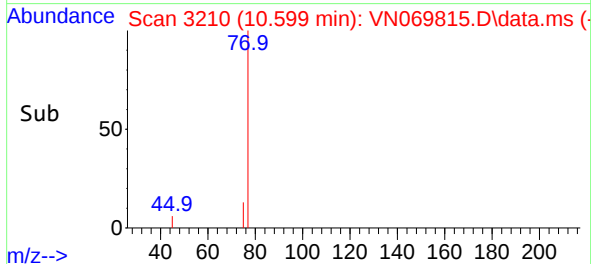
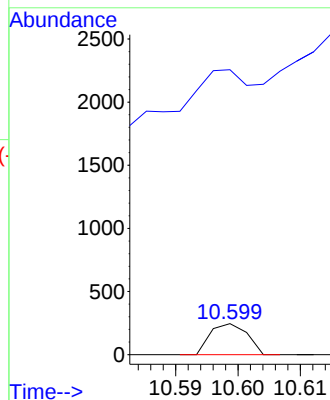
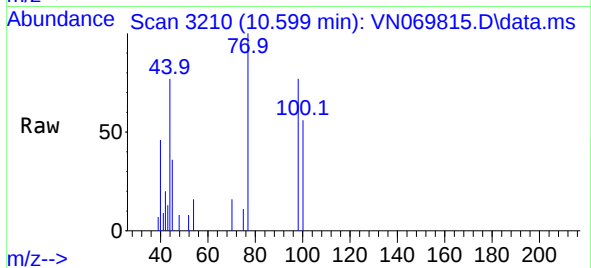




#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.599 min Scan# 3154
Delta R.T. -0.120 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

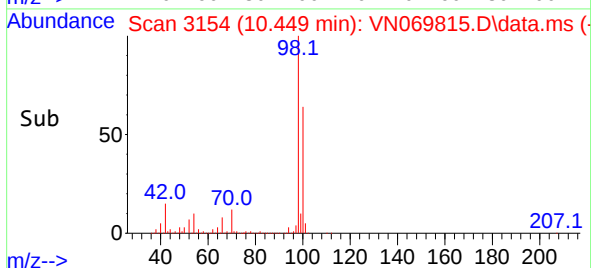
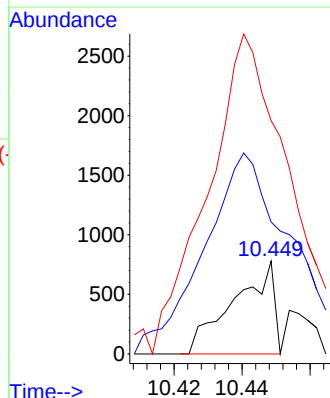
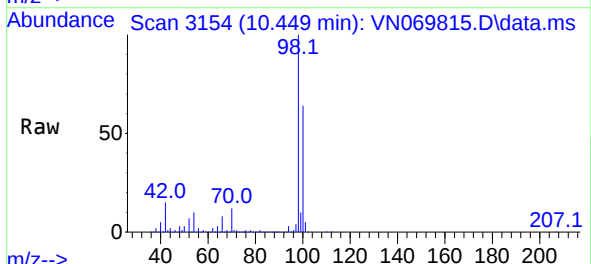
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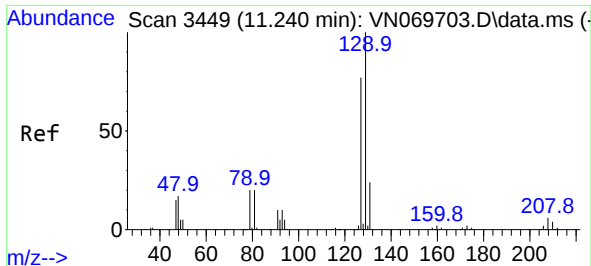
Tgt Ion: 75 Resp: 101
Ion Ratio Lower Upper
75 100
77 134.1 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.02 ug/l
RT: 10.449 min Scan# 3154
Delta R.T. 0.258 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

Tgt Ion: 75 Resp: 639
Ion Ratio Lower Upper
75 100
77 82.9 26.4 39.6#
39 159.6 42.5 63.7#

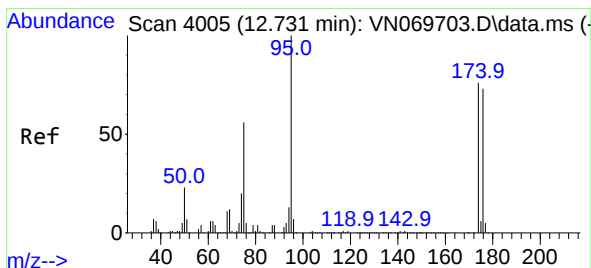
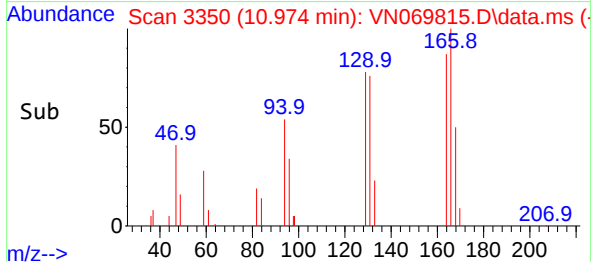
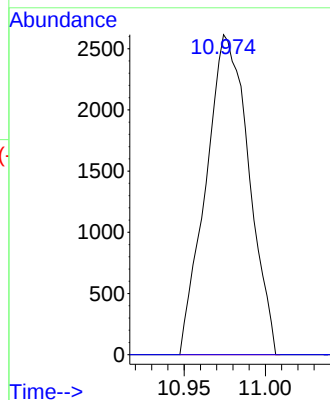
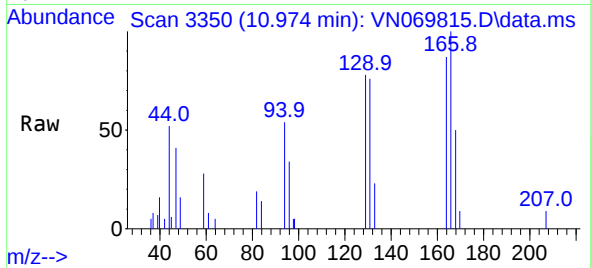




#60
Dibromochloromethane
Concen: 2.63 ug/l
RT: 10.974 min Scan# 311
Delta R.T. -0.266 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

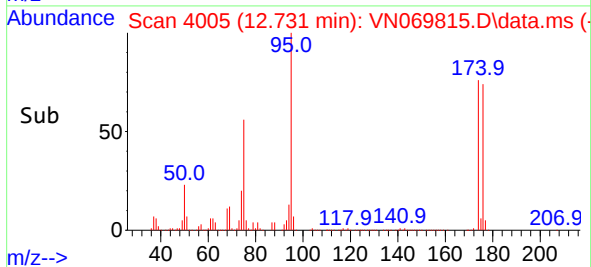
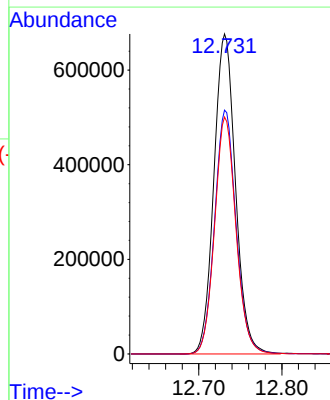
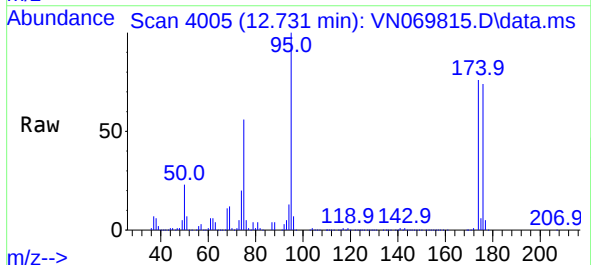
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20211204

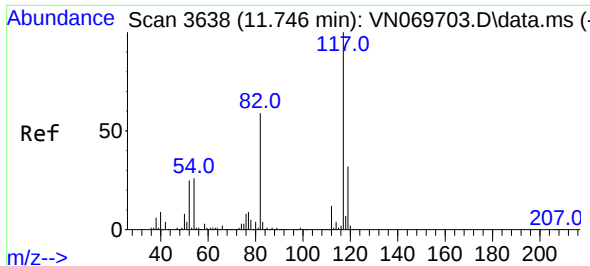
Tgt Ion:129 Resp: 4808
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.94 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

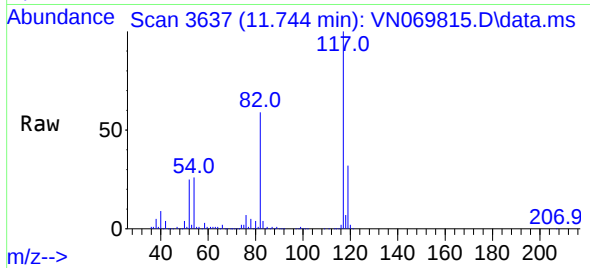
Tgt Ion: 95 Resp: 1219682
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.4 0.0 181.4





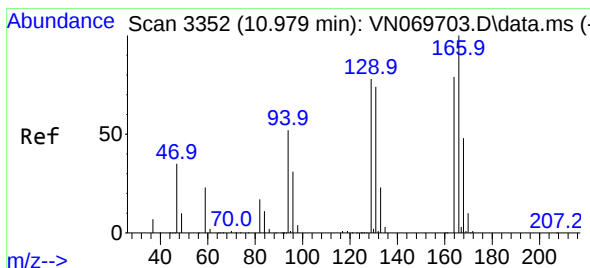
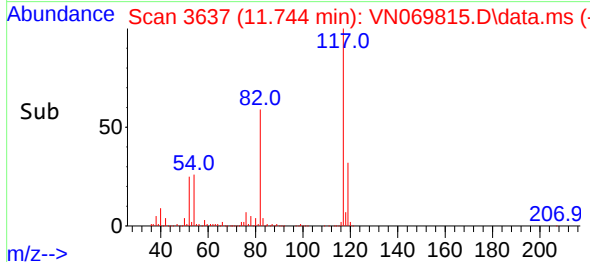
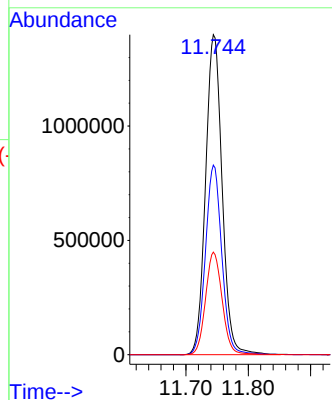
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20211204



Tgt Ion:117 Resp: 2579615

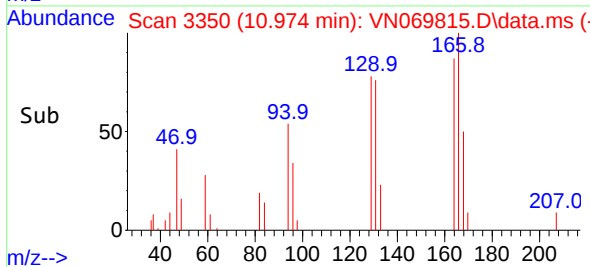
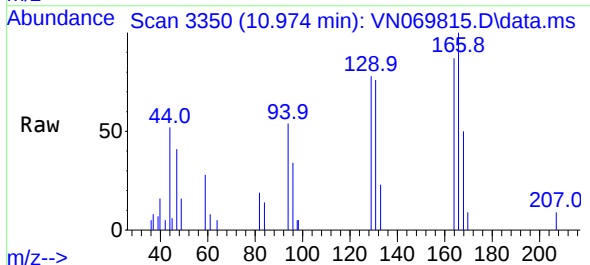
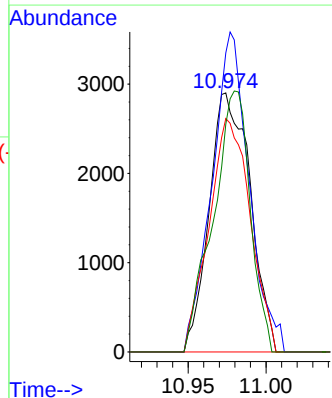
Ion	Ratio	Lower	Upper
117	100		
82	59.2	42.4	63.6
119	32.0	25.4	38.2

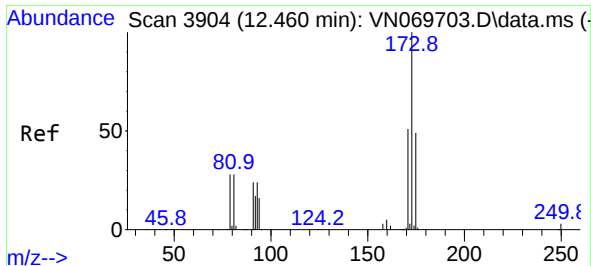


#64
Tetrachloroethene
Concen: 0.30 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.005 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

Tgt Ion:164 Resp: 5311

Ion	Ratio	Lower	Upper
164	100		
166	115.4	101.9	152.9
129	90.1	72.0	108.0
131	87.9	70.9	106.3

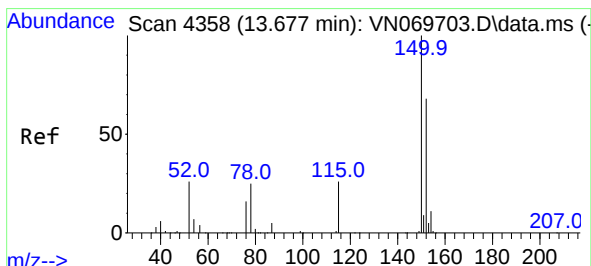
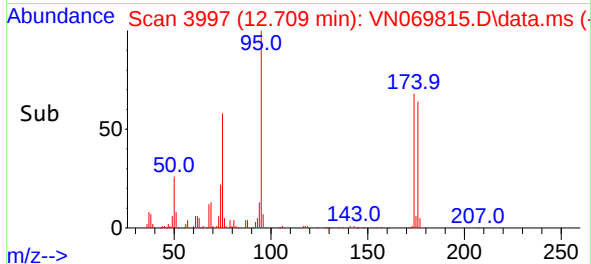
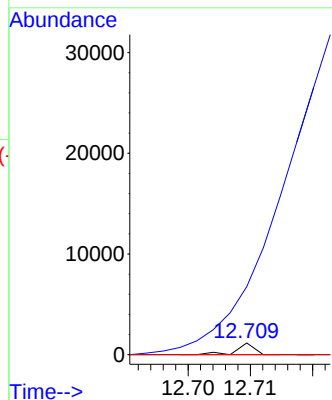
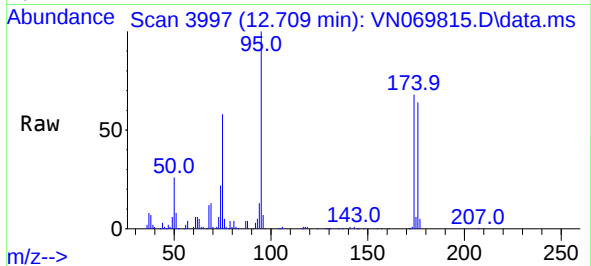




#71
Bromoform
Concen: 2.74 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

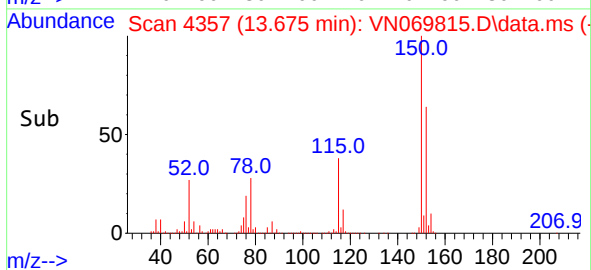
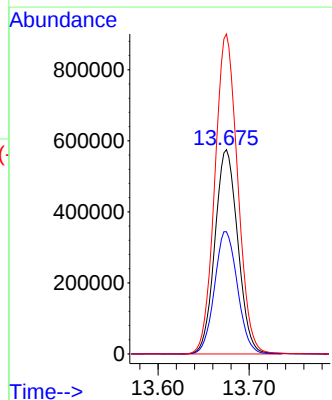
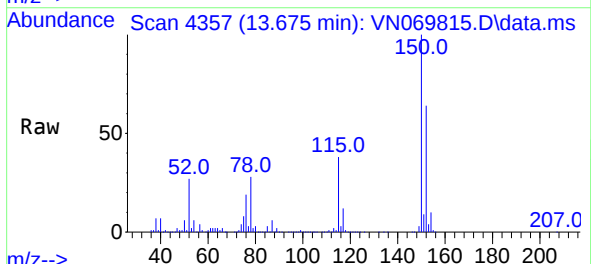
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20211204

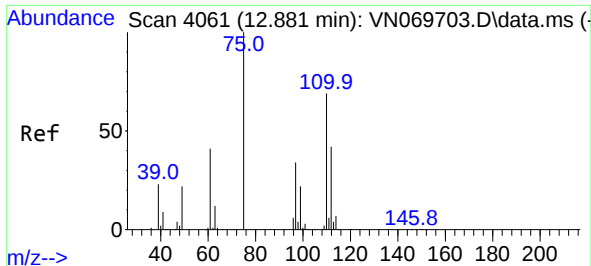
Tgt Ion:173 Resp: 223
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

Tgt Ion:152 Resp: 1004862
Ion Ratio Lower Upper
152 100
115 60.1 27.5 82.5
150 156.2 0.0 344.4

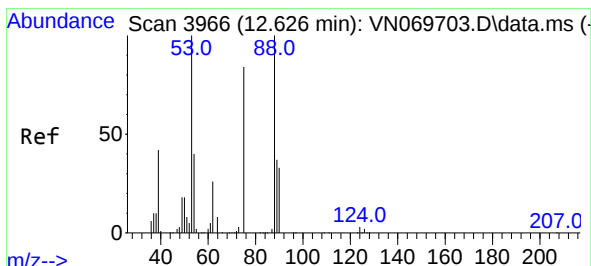
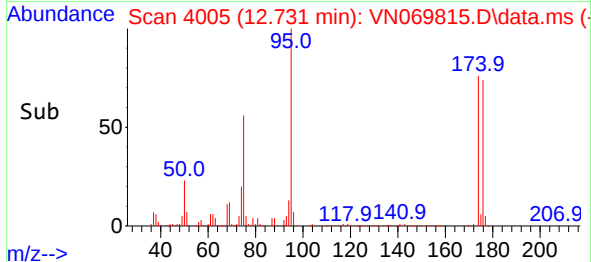
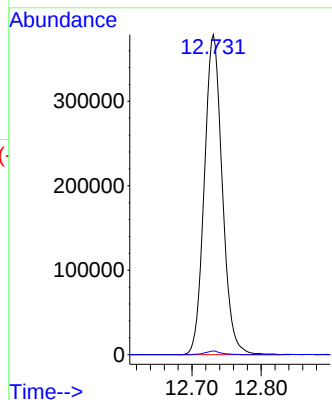
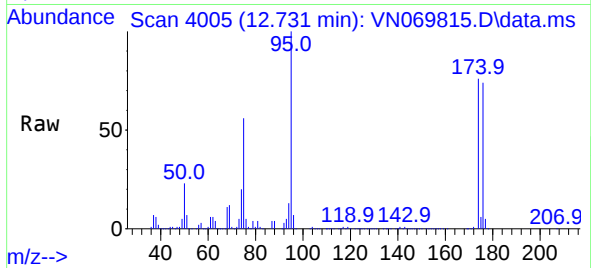




#76
1,2,3-Trichloropropane
Concen: 23.69 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

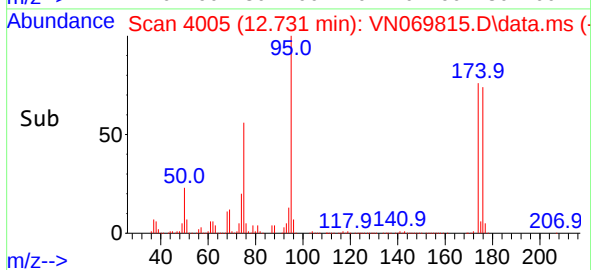
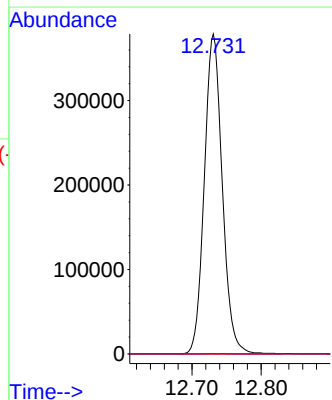
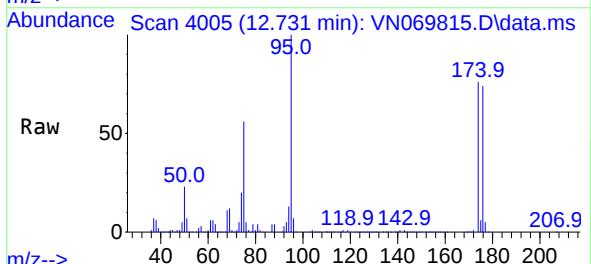
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20211204

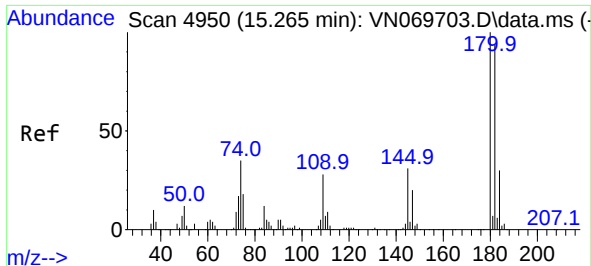
Tgt Ion: 75 Resp: 682565
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.29 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

Tgt Ion: 75 Resp: 682565
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

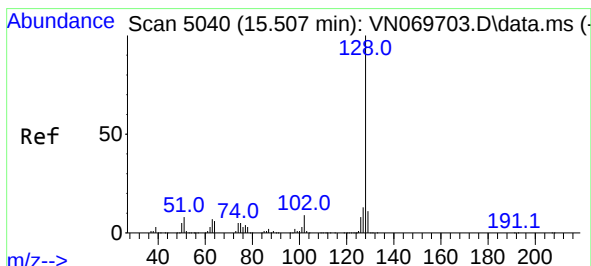
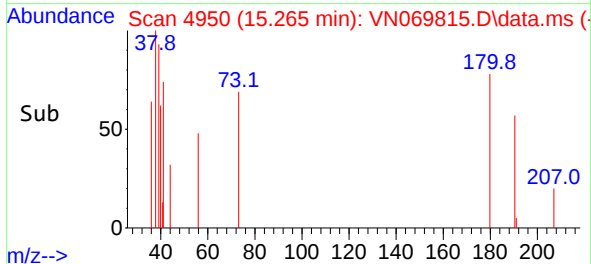
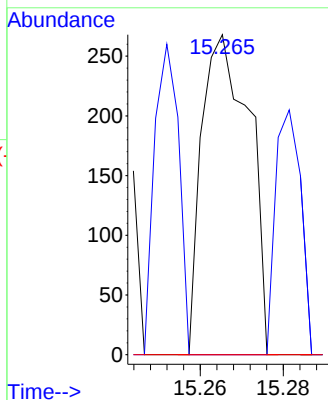
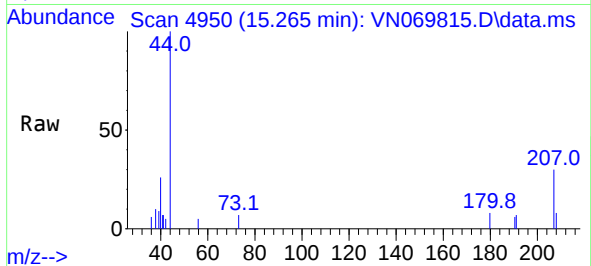




#93
1,2,4-Trichlorobenzene
Concen: 2.89 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

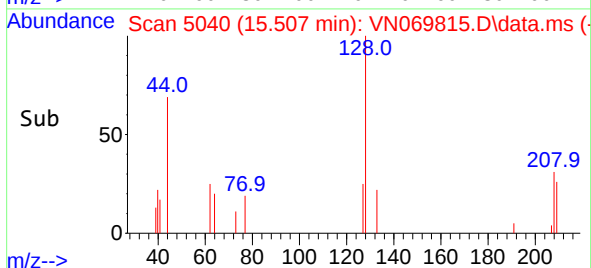
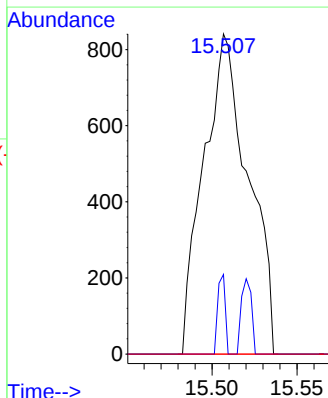
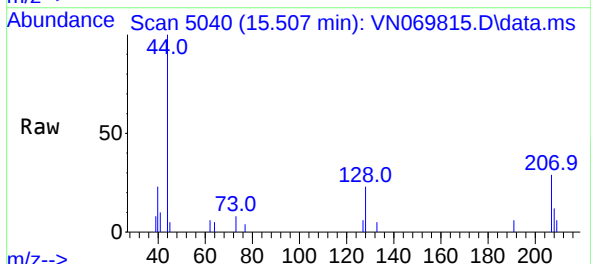
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20211204

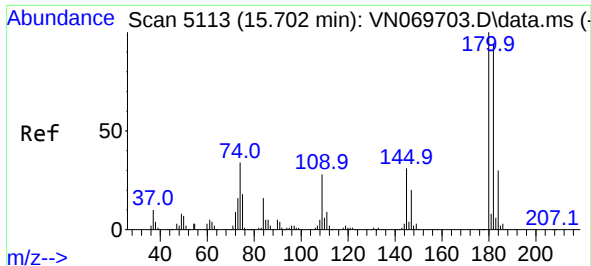
Tgt Ion:180 Resp: 213
Ion Ratio Lower Upper
180 100
182 40.4 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.01 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069815.D
Acq: 7 Dec 2021 15:24

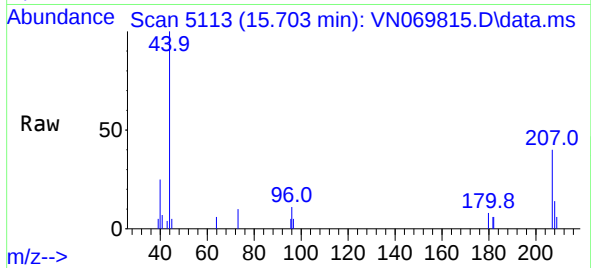
Tgt Ion:128 Resp: 1536
Ion Ratio Lower Upper
128 100
127 4.2 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.46 ug/l
 RT: 15.703 min Scan# 51
 Delta R.T. 0.001 min
 Lab File: VN069815.D
 Acq: 7 Dec 2021 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20211204



Tgt Ion:180 Resp: 381
 Ion Ratio Lower Upper
 180 100
 182 35.7 47.4 142.2#
 145 15.0 15.0 45.1#

