

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069805.D
 Acq On : 7 Dec 2021 10:50
 Operator : JC/MD
 Sample : VN1207WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBL01

Quant Time: Dec 08 04:31:51 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	1400427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2513124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2660889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1049323	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1057028	48.89	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.78%
35) Dibromofluoromethane	8.021	113	730617	46.41	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.82%
50) Toluene-d8	10.440	98	3207943	50.75	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.50%
62) 4-Bromofluorobenzene	12.731	95	1260896	55.06	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.12%

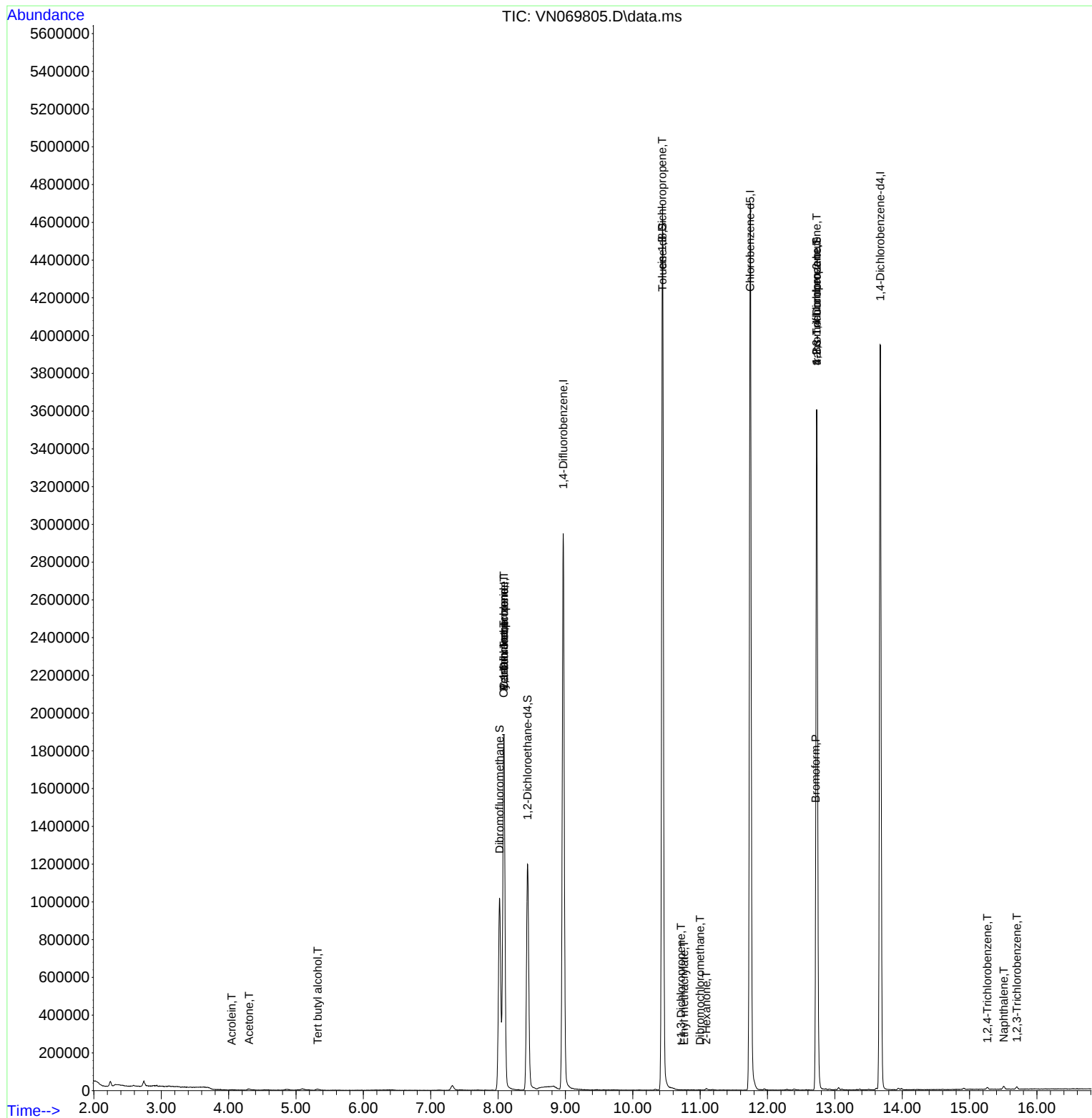
Target Compounds						Qvalue
11) Tert butyl alcohol	5.321	59	4370	1.07	ug/l #	71
13) Acrolein	4.044	56	847	0.24	ug/l #	14
16) Acetone	4.304	43	9704	0.75	ug/l #	86
31) Cyclohexane	8.083	56	36494	1.21	ug/l #	37
36) 1,1-Dichloropropene	8.086	75	118876	4.97	ug/l #	49
38) Carbon Tetrachloride	8.086	117	142502	6.07	ug/l #	16
53) t-1,3-Dichloropropene	10.717	75	331	2.80	ug/l #	38
54) cis-1,3-Dichloropropene	10.435	75	479	2.01	ug/l #	1
56) Ethyl methacrylate	10.762	69	298	2.29	ug/l #	38
59) 2-Hexanone	11.089	43	5919	0.23	ug/l	98
60) Dibromochloromethane	10.998	129	30	2.38	ug/l #	11
71) Bromoform	12.715	173	1104	2.80	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	712285	23.67	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	712285	75.24	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	3633	3.08	ug/l	83
95) Naphthalene	15.507	128	13307	4.22	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	4039	2.66	ug/l	88

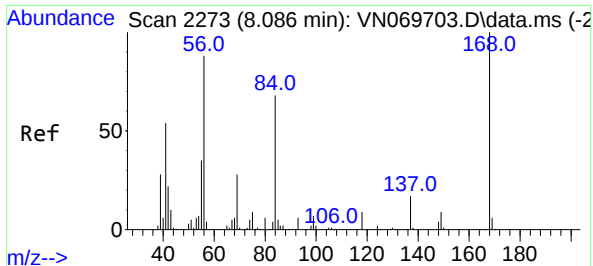
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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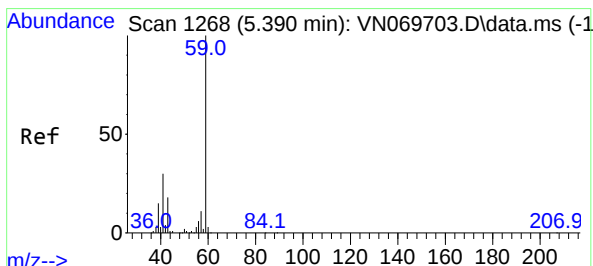
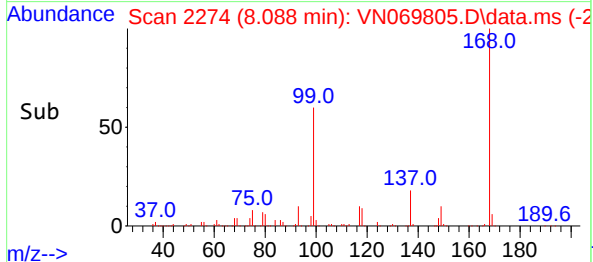
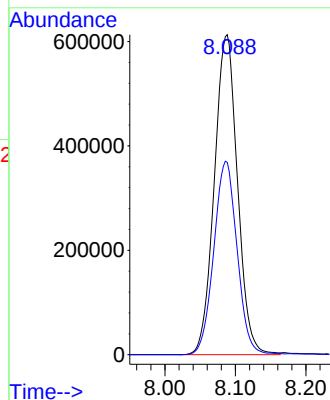
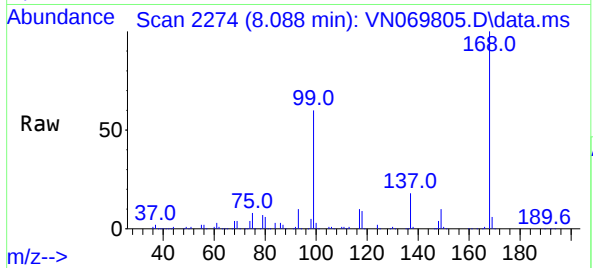




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

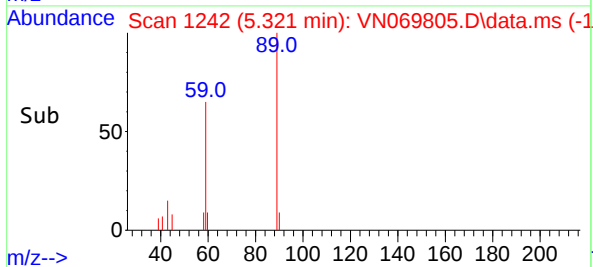
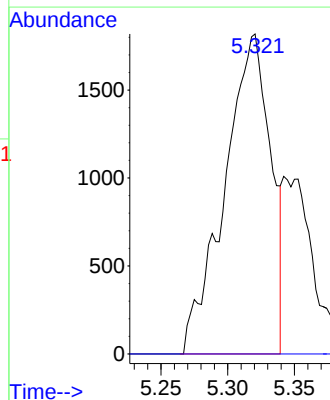
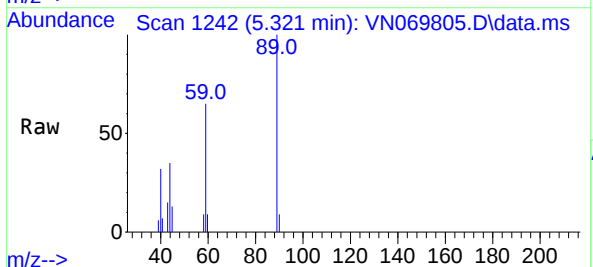
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

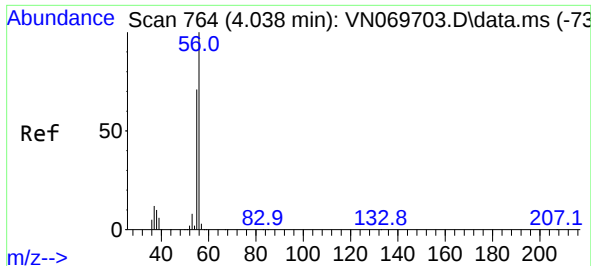
Tgt Ion:168 Resp: 1400427
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9



#11
Tert butyl alcohol
Concen: 1.07 ug/l
RT: 5.321 min Scan# 1242
Delta R.T. -0.070 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

Tgt Ion: 59 Resp: 4370
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

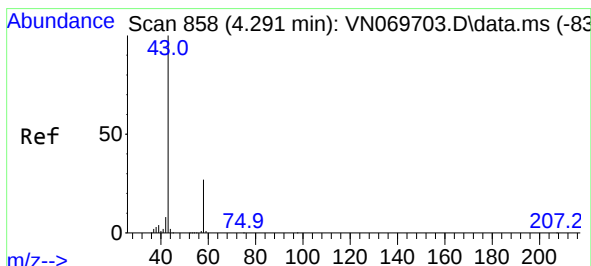
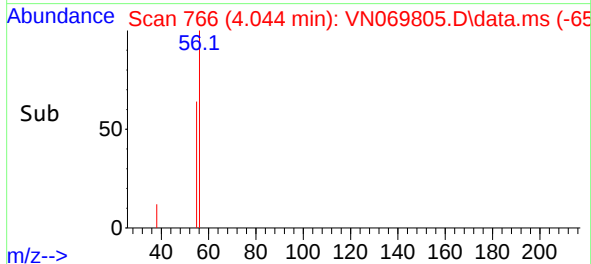
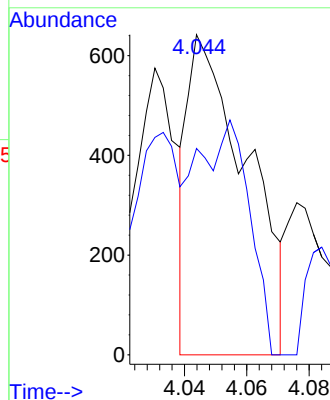
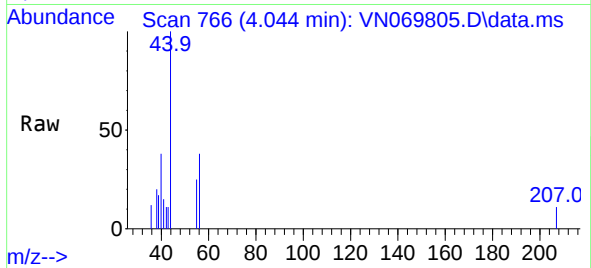




#13
Acrolein
Concen: 0.24 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

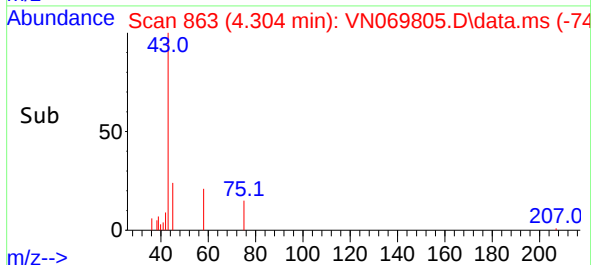
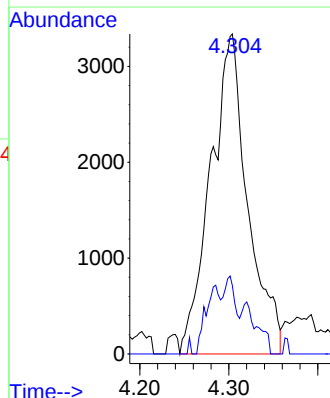
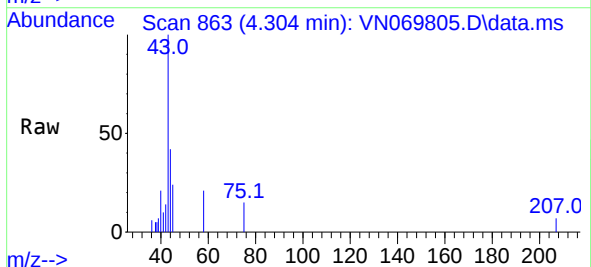
Instrument :
MSVOA_N
ClientSampleId :
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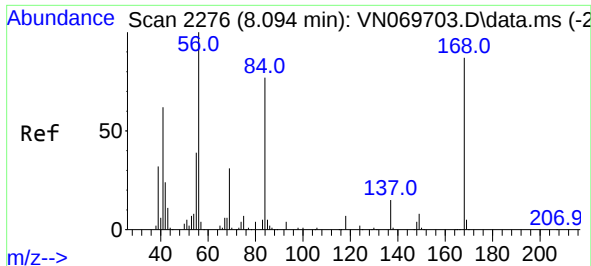
Tgt Ion: 56 Resp: 847
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 0.75 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.014 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

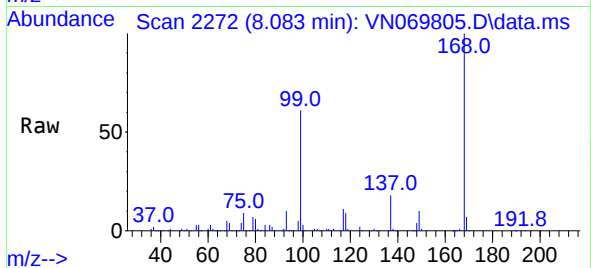
Tgt Ion: 43 Resp: 9704
Ion Ratio Lower Upper
43 100
58 21.4 23.1 34.7#



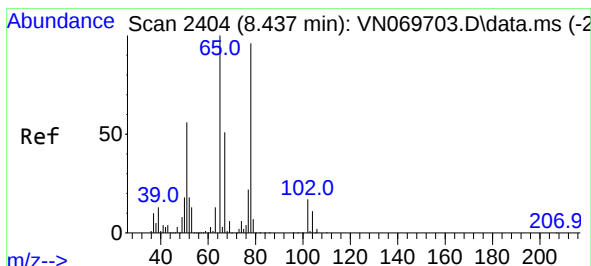
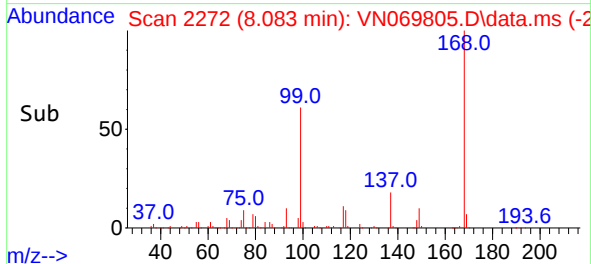
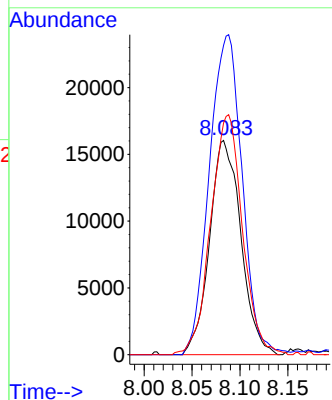


#31
Cyclohexane
Concen: 1.21 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

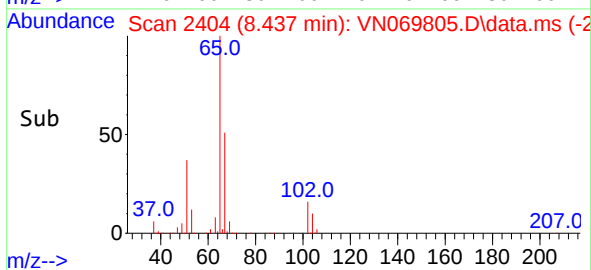
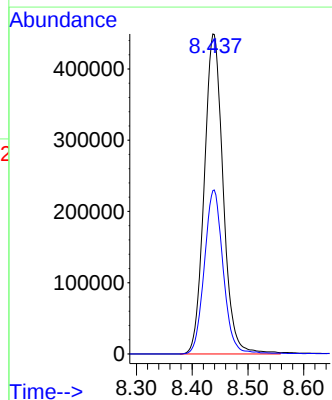
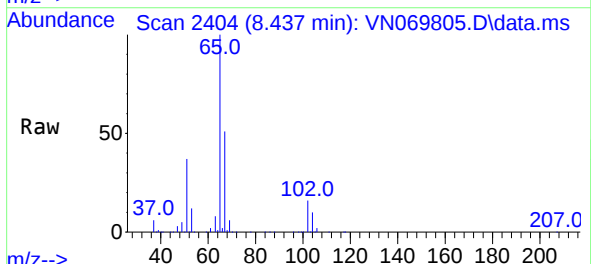


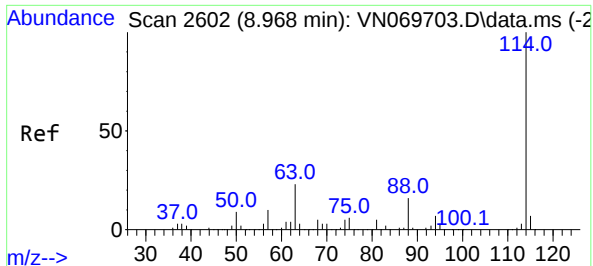
Tgt Ion: 56 Resp: 36494
Ion Ratio Lower Upper
56 100
69 144.3 27.1 40.7#
84 106.5 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 48.89 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

Tgt Ion: 65 Resp: 1057028
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN069805.D

Acq: 7 Dec 2021 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBL01

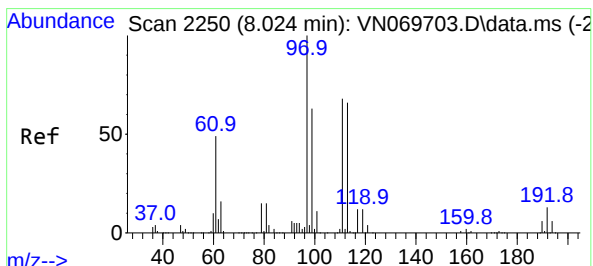
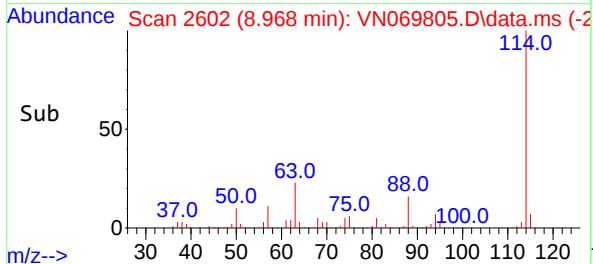
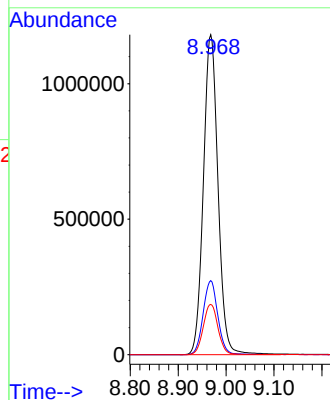
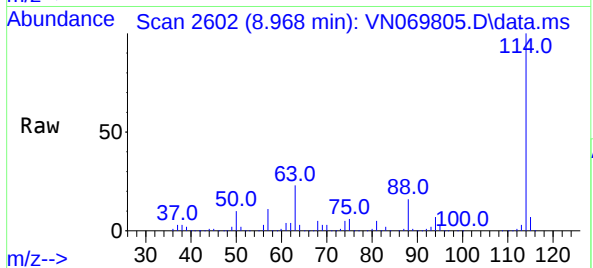
Tgt Ion:114 Resp: 2513124

Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 15.7 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.41 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. -0.003 min

Lab File: VN069805.D

Acq: 7 Dec 2021 10:50

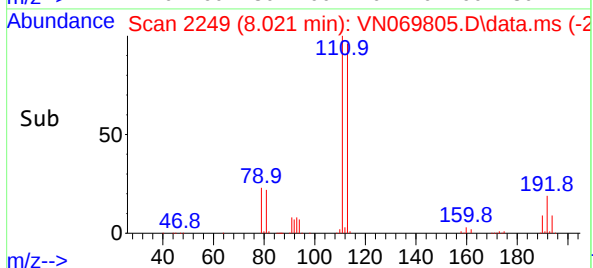
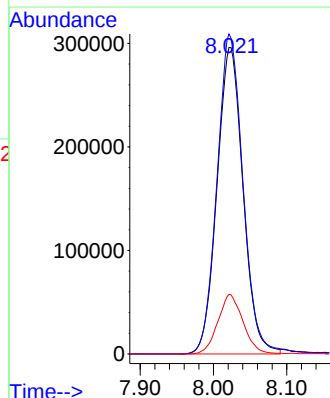
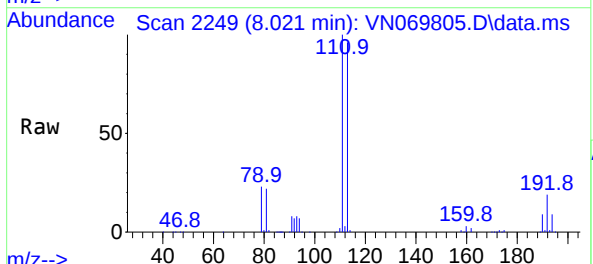
Tgt Ion:113 Resp: 730617

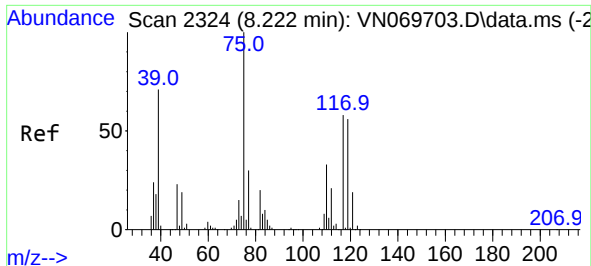
Ion Ratio Lower Upper

113 100

111 105.0 82.2 123.2

192 18.8 16.9 25.3

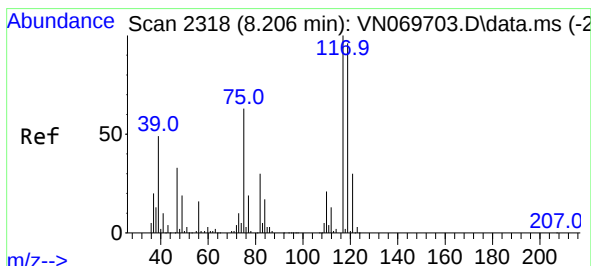
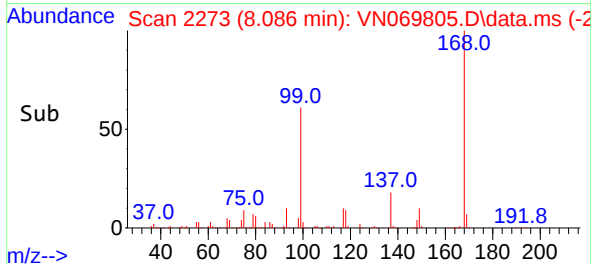
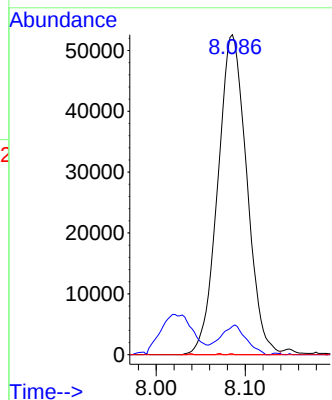
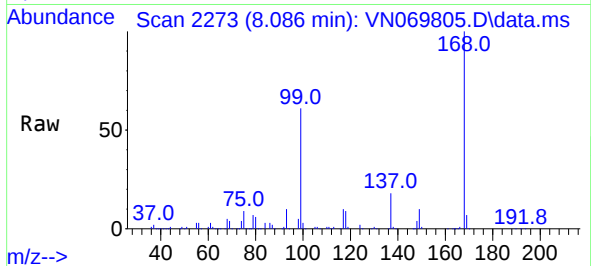




#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

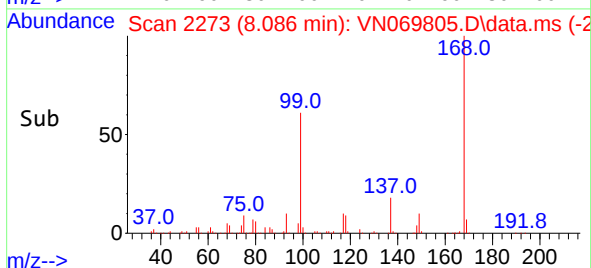
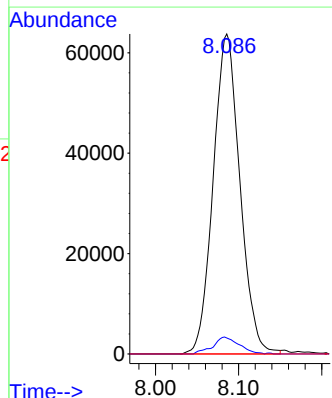
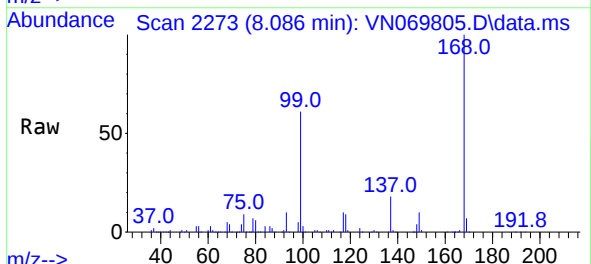
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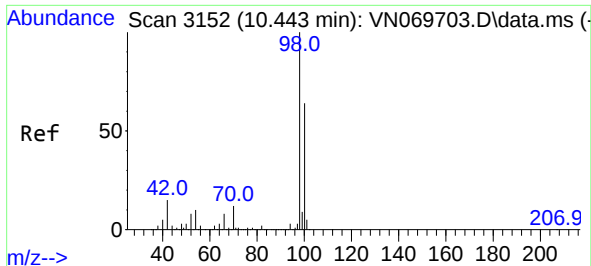
Tgt Ion: 75 Resp: 118876
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.07 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

Tgt Ion: 117 Resp: 142502
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

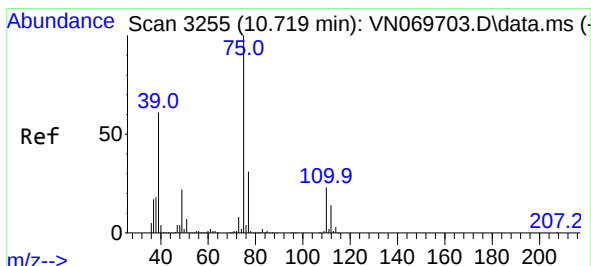
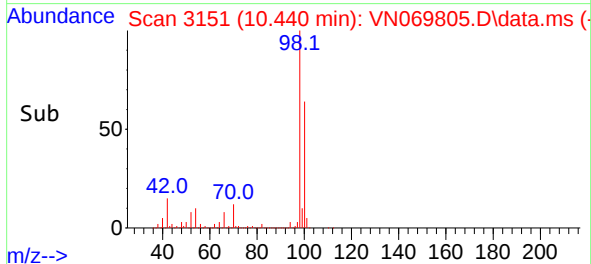
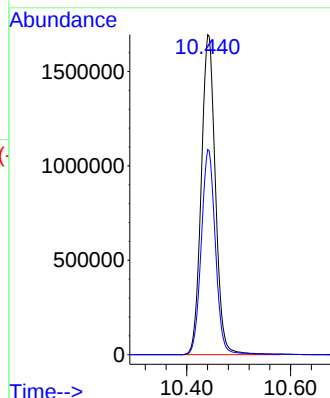
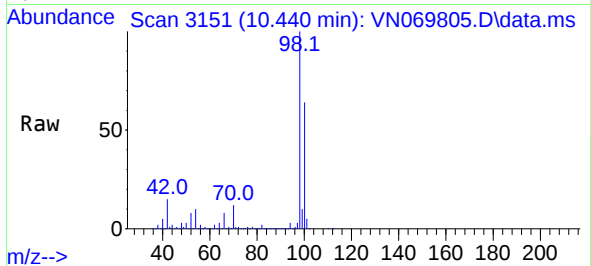




#50
Toluene-d8
Concen: 50.75 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

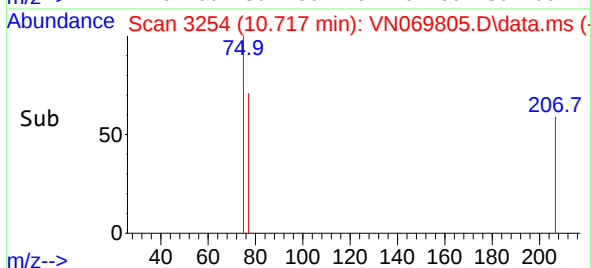
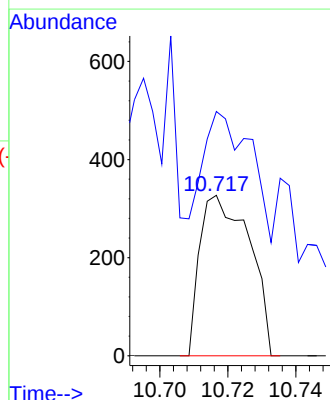
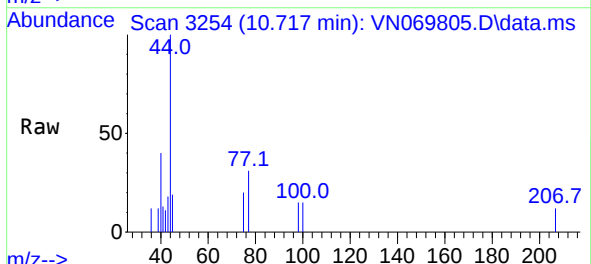
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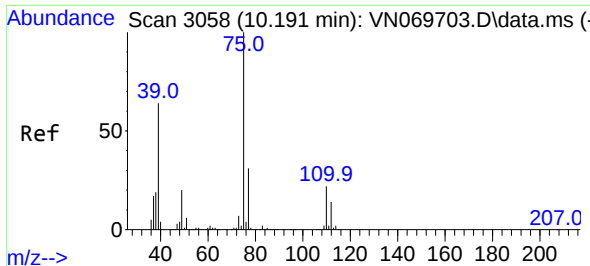
Tgt Ion: 98 Resp: 3207943
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

Tgt Ion: 75 Resp: 331
Ion Ratio Lower Upper
75 100
77 66.4 25.6 38.4#

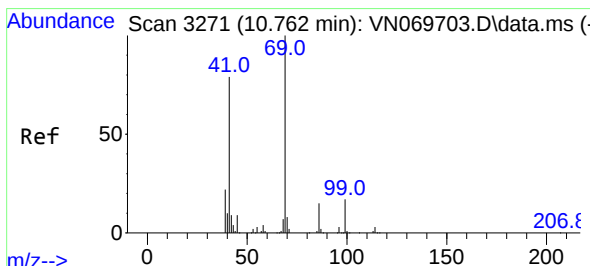
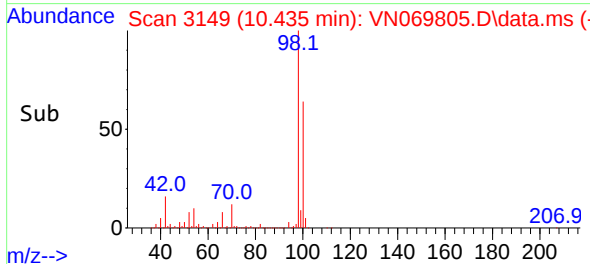
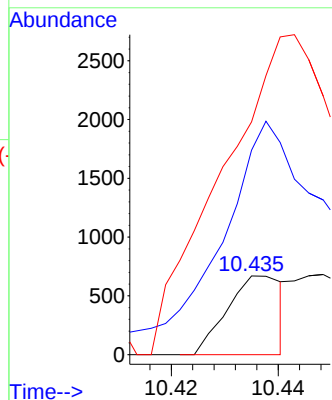
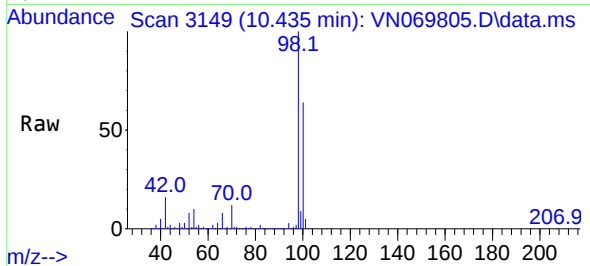




#54
cis-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.435 min Scan# 3149
Delta R.T. 0.244 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

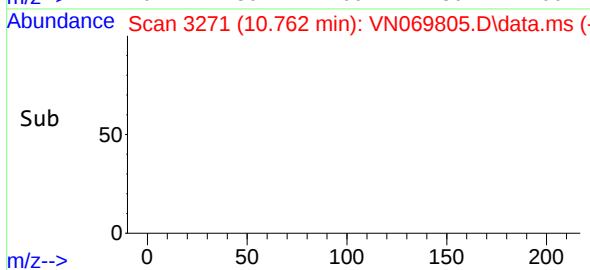
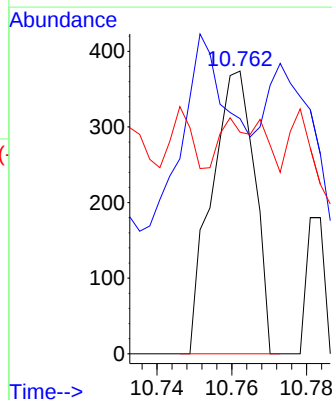
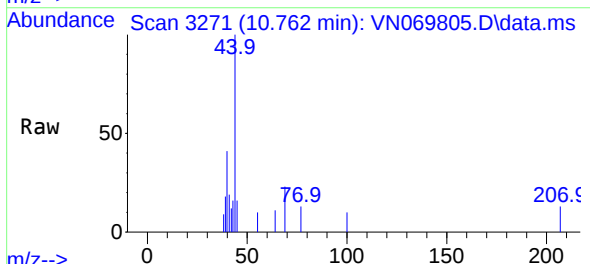
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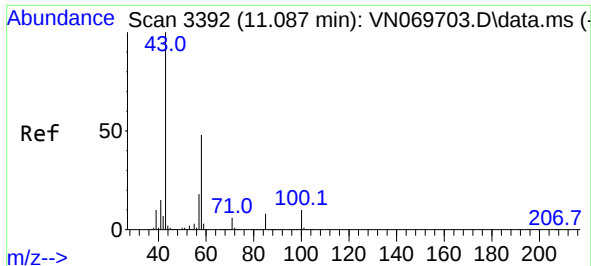
Tgt Ion: 75 Resp: 479
Ion Ratio Lower Upper
75 100
77 202.7 26.4 39.6#
39 175.8 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.29 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

Tgt Ion: 69 Resp: 298
Ion Ratio Lower Upper
69 100
41 127.2 51.4 77.0#
39 21.1 34.6 52.0#

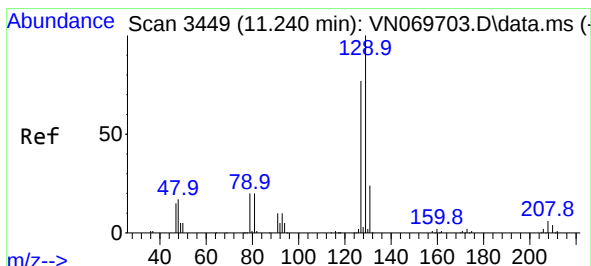
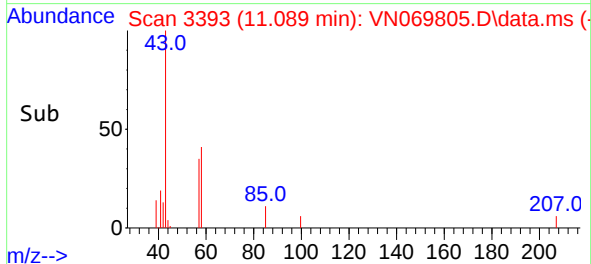
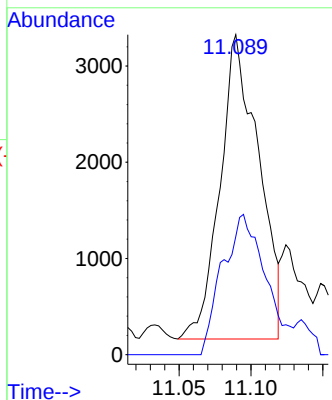
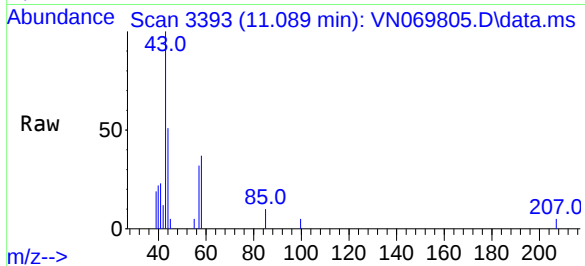




#59
2-Hexanone
Concen: 0.23 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

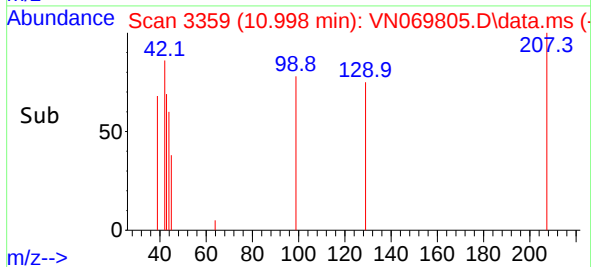
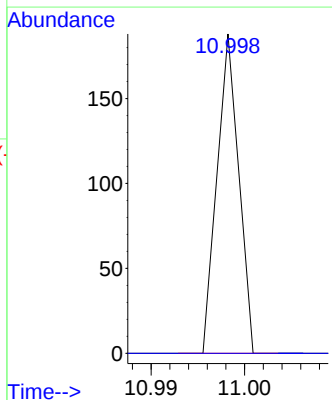
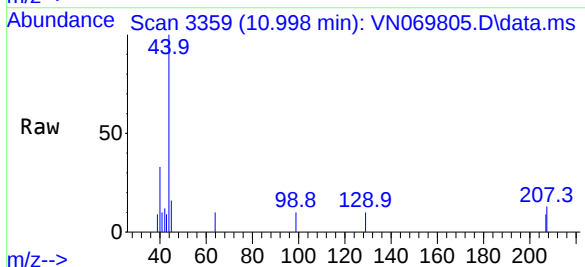
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

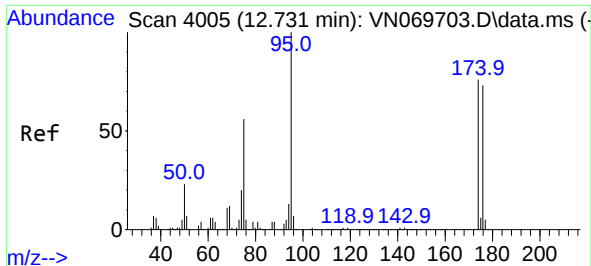
Tgt Ion: 43 Resp: 5919
Ion Ratio Lower Upper
43 100
58 52.0 26.9 80.7



#60
Dibromochloromethane
Concen: 2.38 ug/l
RT: 10.998 min Scan# 3359
Delta R.T. -0.242 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

Tgt Ion: 129 Resp: 30
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

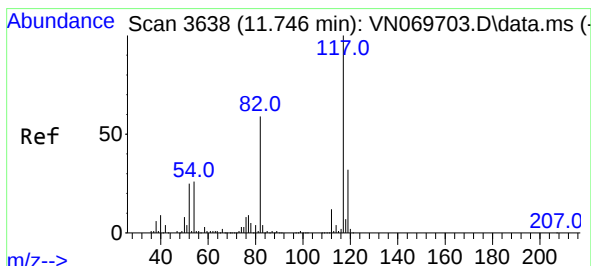
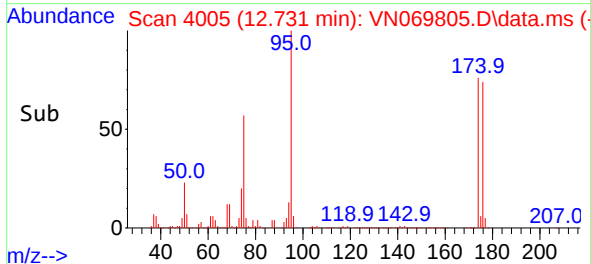
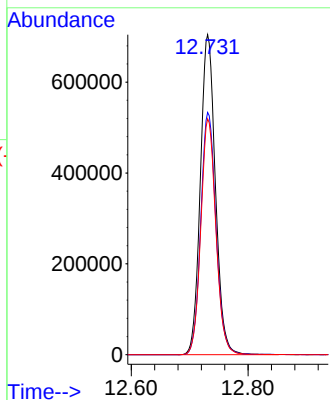
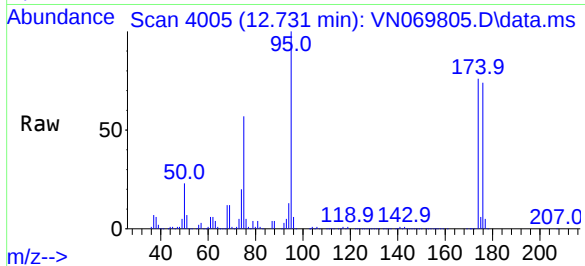




#62
4-Bromofluorobenzene
Concen: 55.06 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

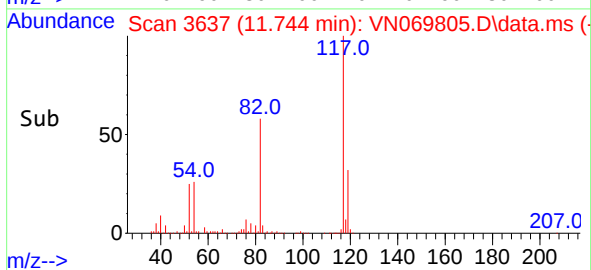
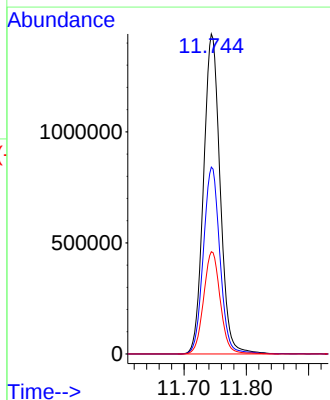
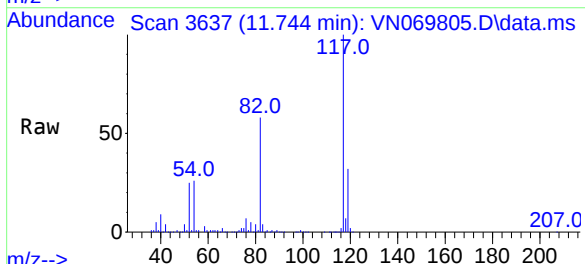
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

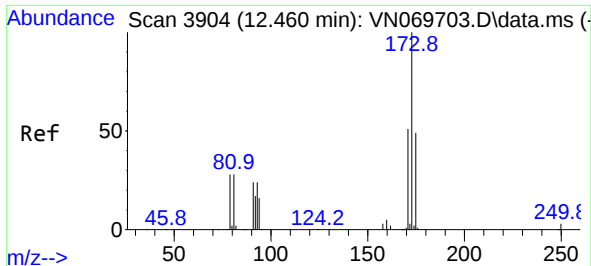
Tgt Ion: 95 Resp: 1260896
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

Tgt Ion: 117 Resp: 2660889
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.0 25.4 38.2

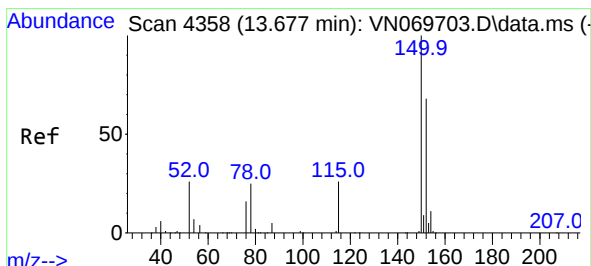
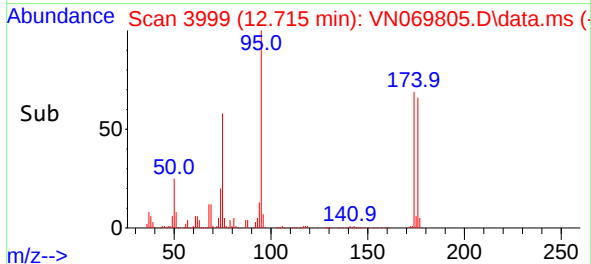
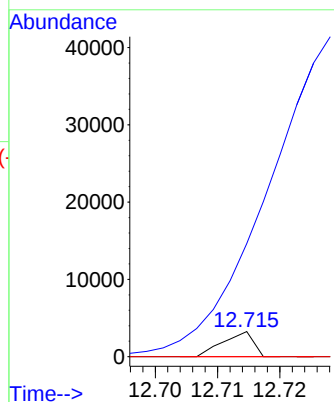
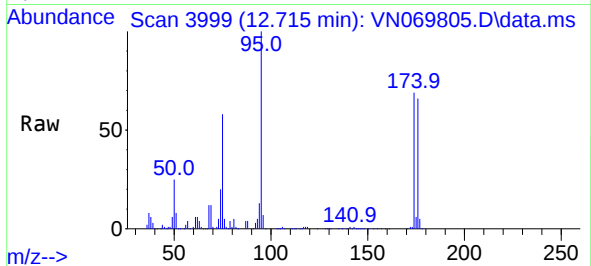




#71
Bromoform
Concen: 2.80 ug/l
RT: 12.715 min Scan# 3904
Delta R.T. 0.255 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

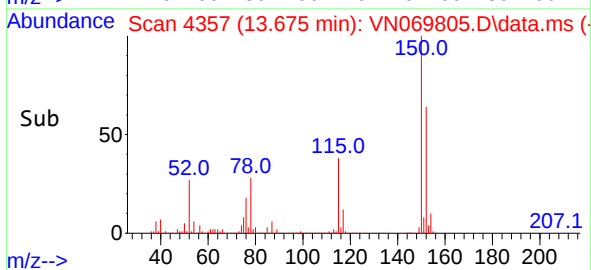
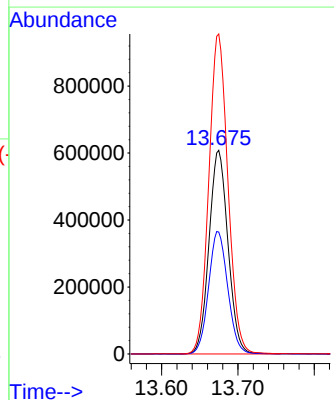
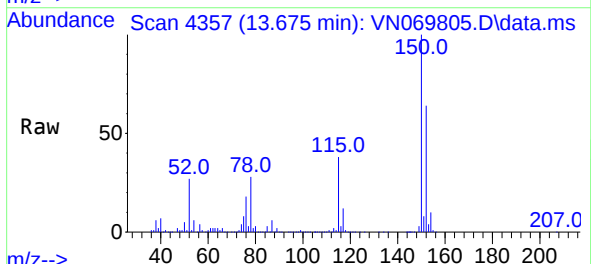
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

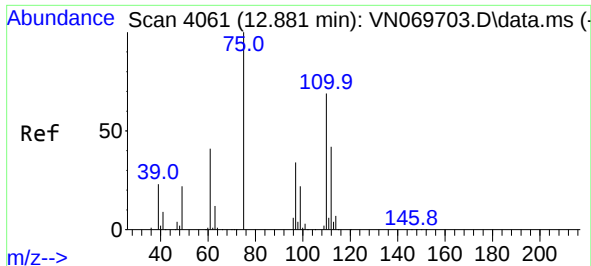
Tgt Ion:173 Resp: 1104
Ion Ratio Lower Upper
173 100
175 6302.4 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

Tgt Ion:152 Resp: 1049323
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 158.0 0.0 344.4

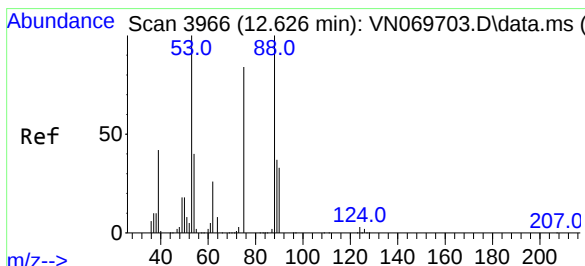
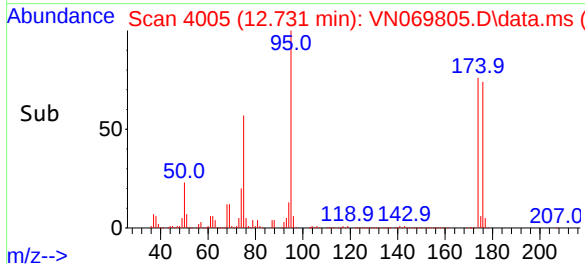
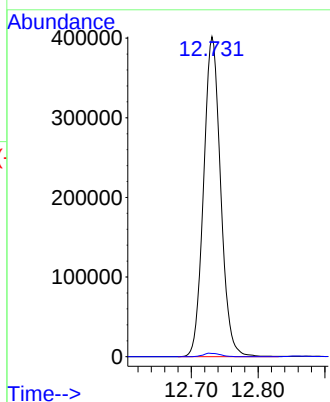
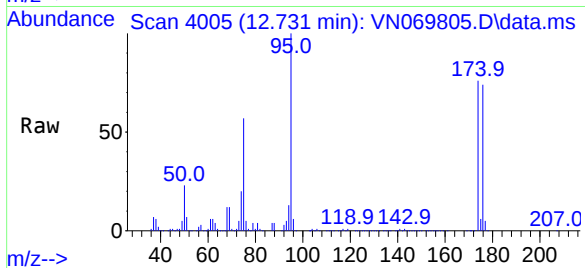




#76
1,2,3-Trichloropropane
Concen: 23.67 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

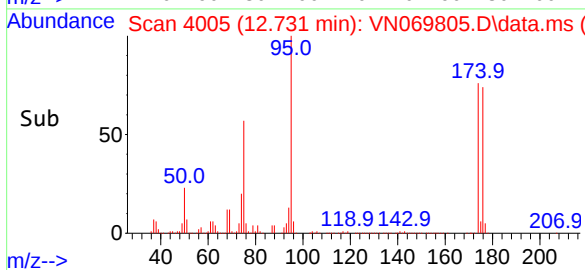
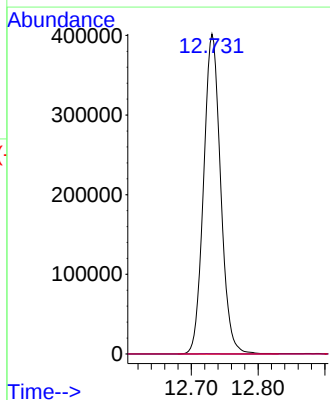
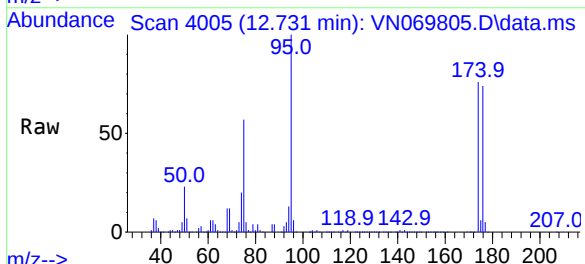
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

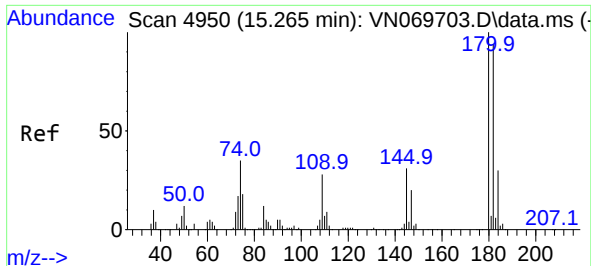
Tgt Ion: 75 Resp: 712285
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.24 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

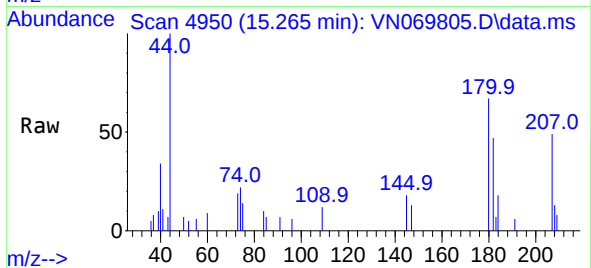
Tgt Ion: 75 Resp: 712285
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



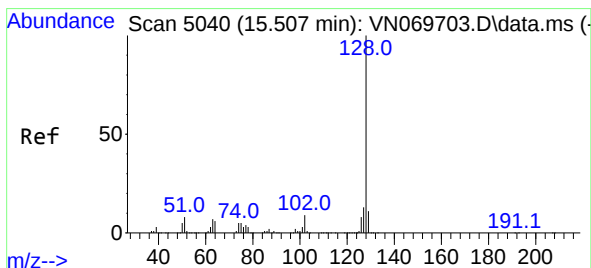
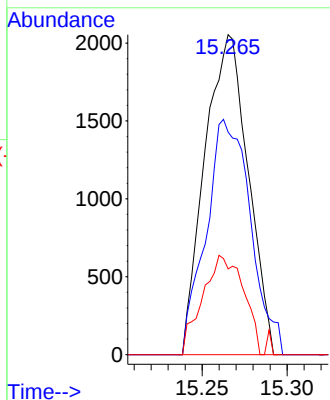
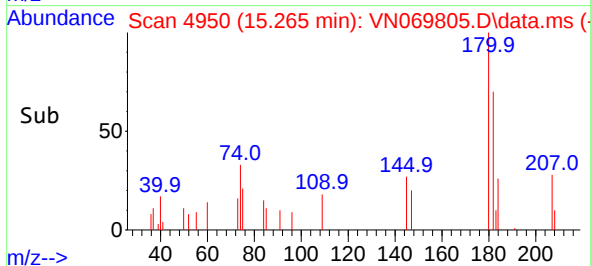


#93
1,2,4-Trichlorobenzene
Concen: 3.08 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50

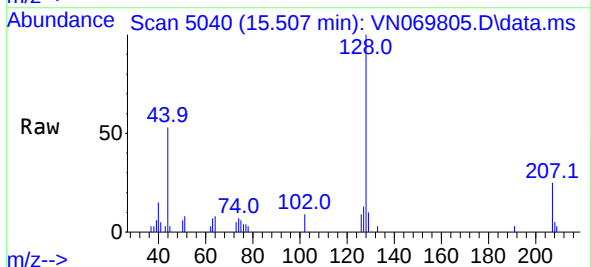
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01



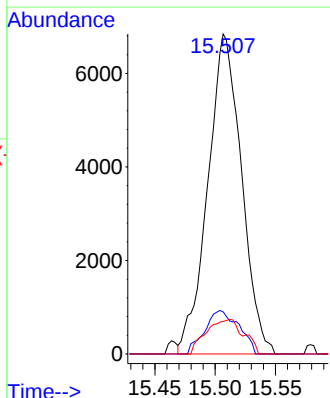
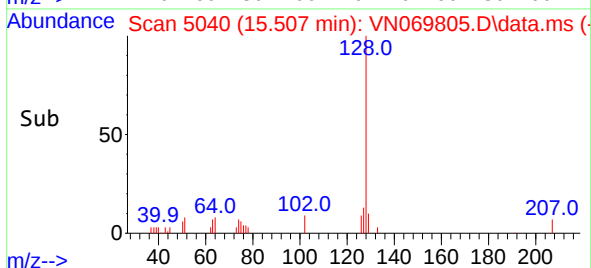
Tgt Ion:180 Resp: 3633
Ion Ratio Lower Upper
180 100
182 75.7 48.3 144.9
145 29.4 14.5 43.5

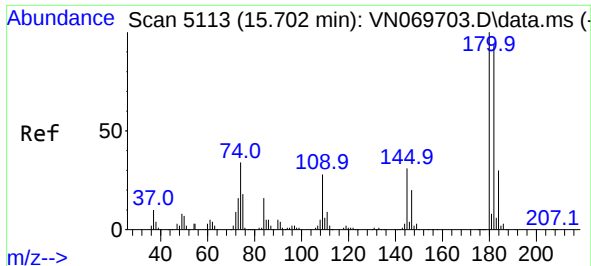


#95
Naphthalene
Concen: 4.22 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069805.D
Acq: 7 Dec 2021 10:50



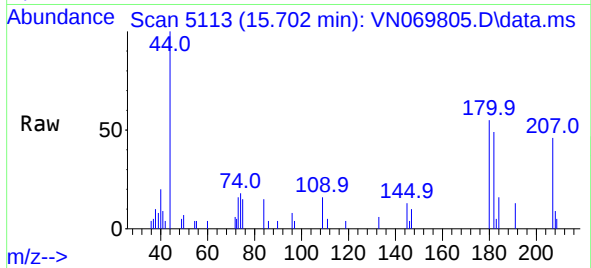
Tgt Ion:128 Resp: 13307
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 12.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.66 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN069805.D
 Acq: 7 Dec 2021 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBL01



Tgt Ion:180 Resp: 4039

Ion	Ratio	Lower	Upper
180	100		
182	103.7	47.4	142.2
145	18.5	15.0	45.1

