

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069804.D
 Acq On : 7 Dec 2021 10:25
 Operator : JC/MD
 Sample : VN1207MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207MBL01

Quant Time: Dec 08 04:31:29 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)

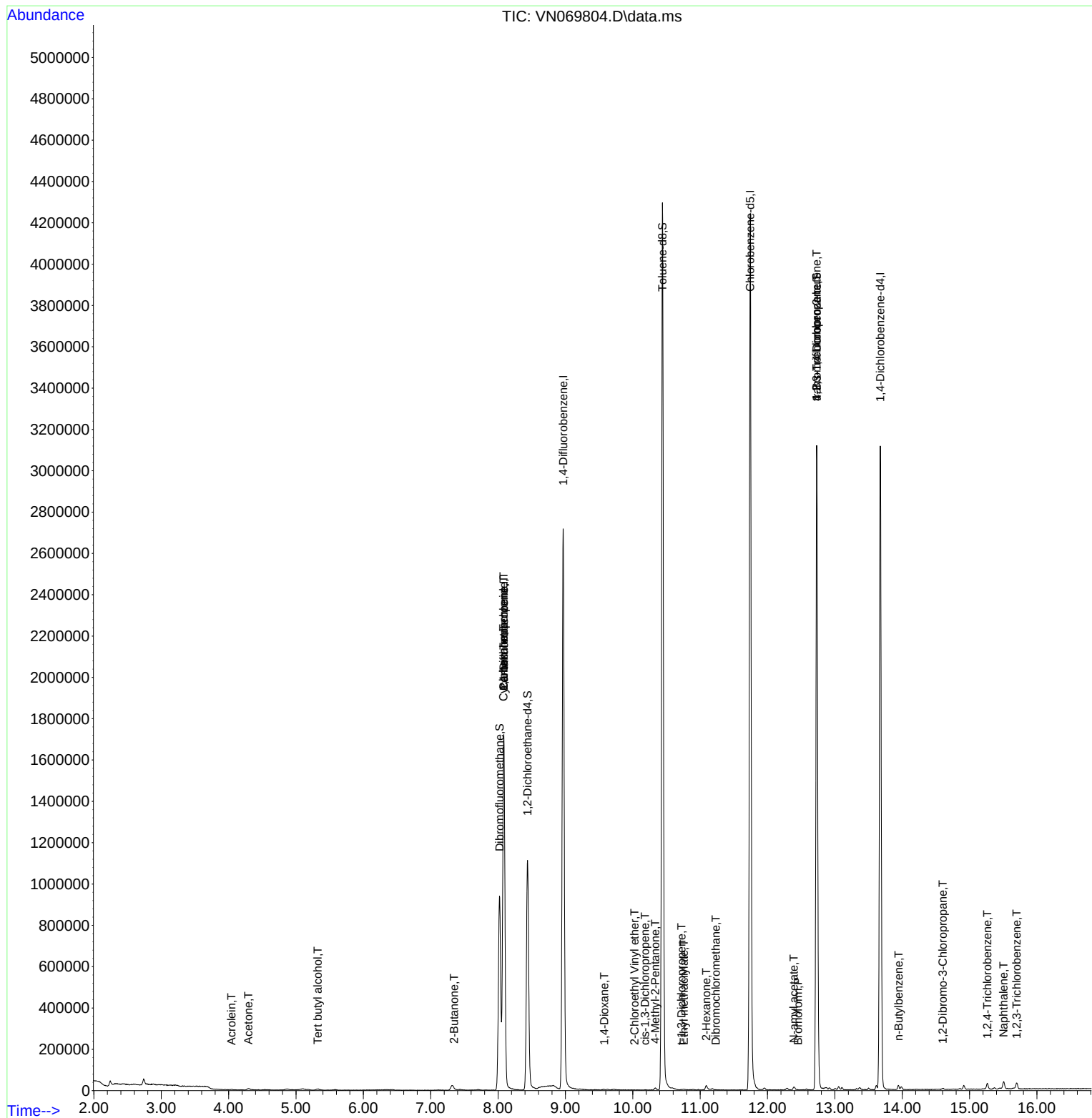
Internal Standards						
1) Pentafluorobenzene	8.086	168	1298386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2321838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2347511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	847244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	975578	48.66	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.32%		
35) Dibromofluoromethane	8.021	113	685222	47.12	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.24%		
50) Toluene-d8	10.440	98	2950301	50.52	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.04%		
62) 4-Bromofluorobenzene	12.731	95	1077075	50.91	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.82%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.323	59	3555	0.94	ug/l #	73
13) Acrolein	4.041	56	1595	0.49	ug/l #	65
16) Acetone	4.293	43	11706	0.97	ug/l	95
25) 2-Butanone	7.348	43	3698	0.23	ug/l #	86
31) Cyclohexane	8.080	56	33670	1.21	ug/l #	22
36) 1,1-Dichloropropene	8.083	75	110427	5.00	ug/l #	49
38) Carbon Tetrachloride	8.083	117	133187	6.14	ug/l #	17
49) 1,4-Dioxane	9.577	88	255	0.63	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	7256	0.23	ug/l	93
53) t-1,3-Dichloropropene	10.722	75	380	2.81	ug/l #	84
54) cis-1,3-Dichloropropene	10.183	75	239	2.01	ug/l #	74
56) Ethyl methacrylate	10.760	69	1570	2.33	ug/l #	53
58) 2-Chloroethyl Vinyl ether	10.027	63	80	18.40	ug/l #	45
59) 2-Hexanone	11.089	43	18574	0.78	ug/l	90
60) Dibromochloromethane	11.234	129	201	2.39	ug/l	76
71) Bromoform	12.455	173	236	2.75	ug/l #	29
74) N-amyl acetate	12.390	43	11138	0.33	ug/l	93
76) 1,2,3-Trichloropropane	12.731	75	610745	25.14	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	610745	79.65	ug/l #	5
89) n-Butylbenzene	13.946	91	12818	0.28	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.603	75	1404	0.30	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.263	180	8518	3.46	ug/l	97
95) Naphthalene	15.504	128	31329	4.68	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	11001	3.21	ug/l	94

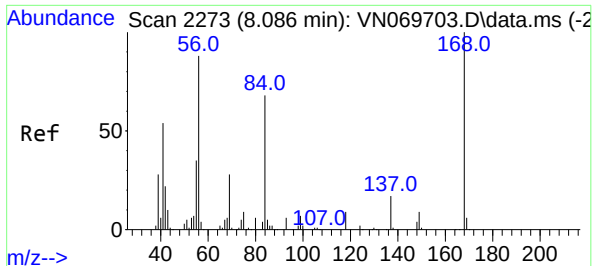
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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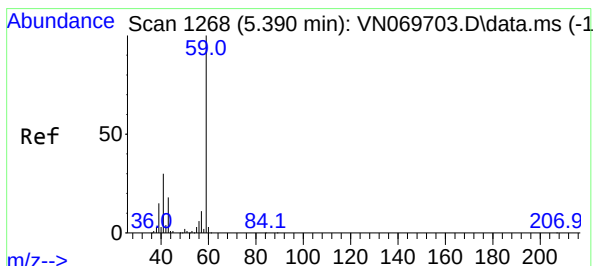
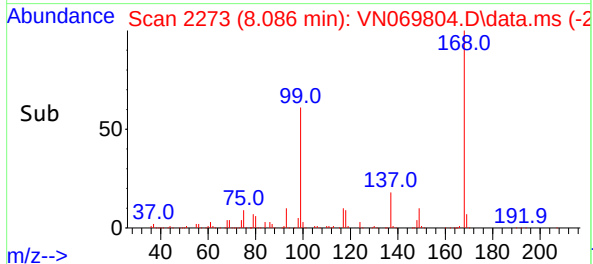
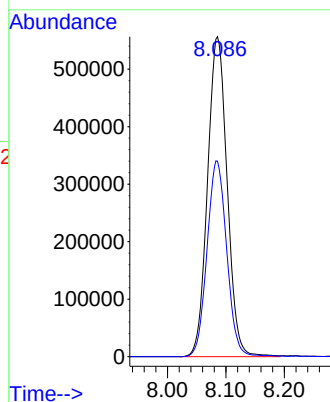
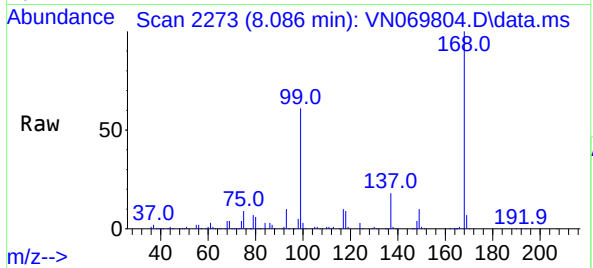




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

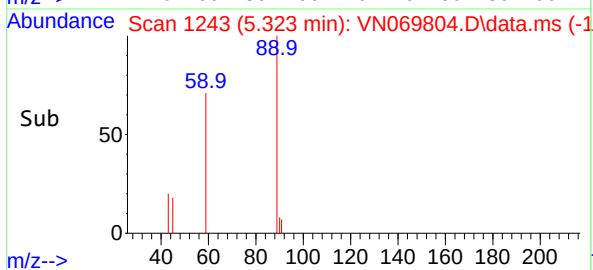
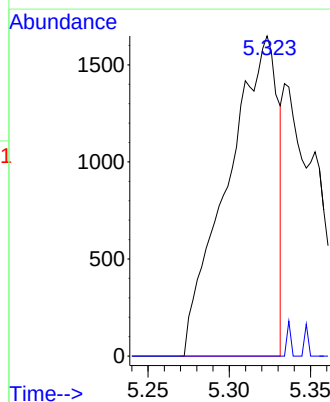
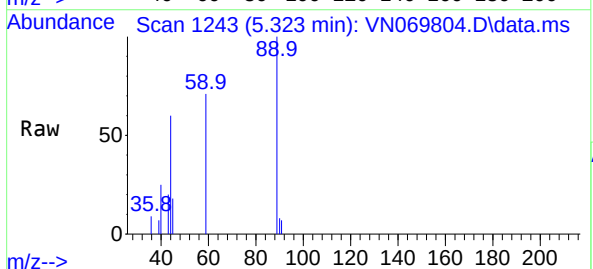
Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

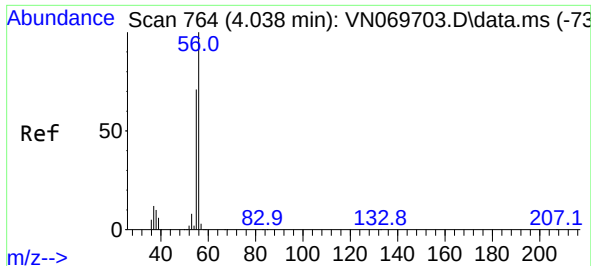
Tgt Ion:168 Resp: 1298386
Ion Ratio Lower Upper
168 100
99 61.1 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.94 ug/l
RT: 5.323 min Scan# 1243
Delta R.T. -0.067 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 59 Resp: 3555
Ion Ratio Lower Upper
59 100
57 0.8 8.7 13.1#

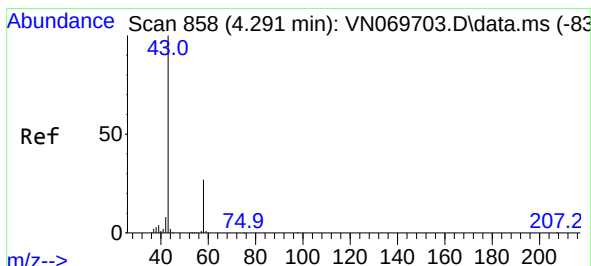
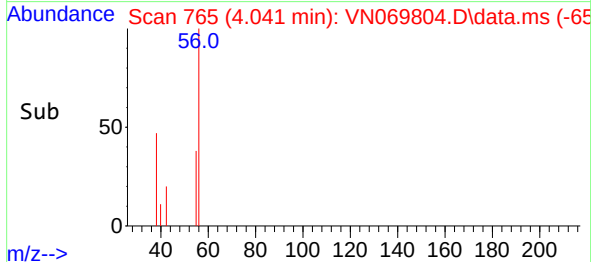
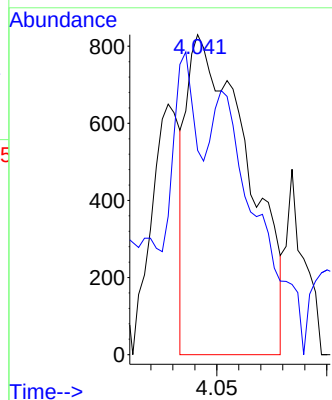
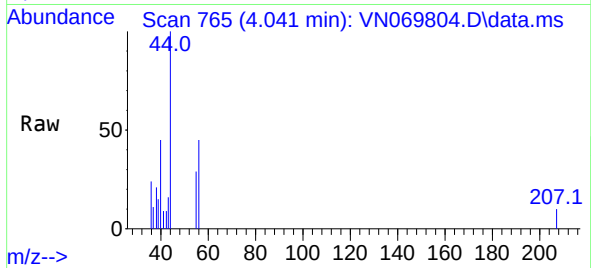




#13
Acrolein
Concen: 0.49 ug/l
RT: 4.041 min Scan# 764
Delta R.T. 0.003 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

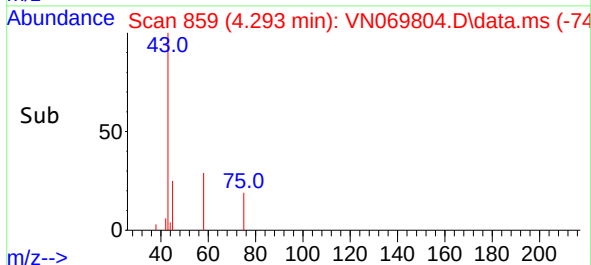
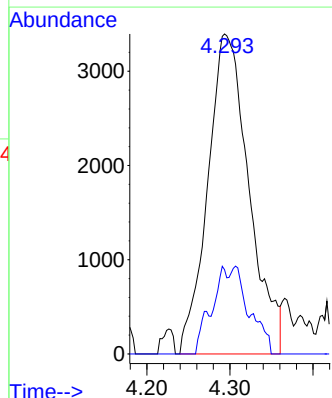
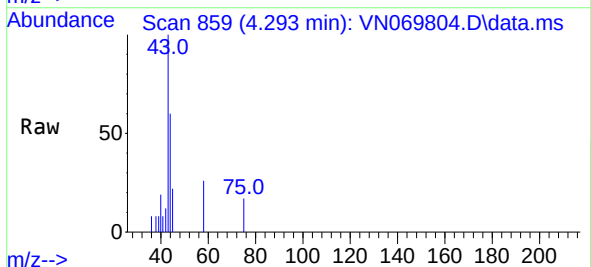
Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

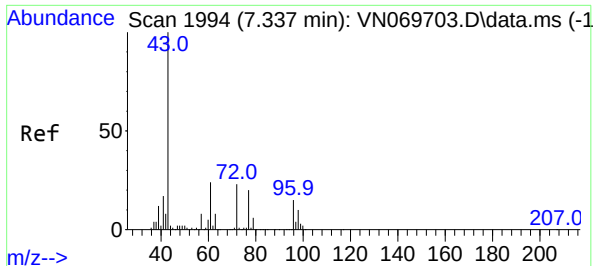
Tgt Ion: 56 Resp: 1595
Ion Ratio Lower Upper
56 100
55 41.9 56.6 85.0#



#16
Acetone
Concen: 0.97 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 43 Resp: 11706
Ion Ratio Lower Upper
43 100
58 26.3 23.1 34.7





#25

2-Butanone

Concen: 0.23 ug/l

RT: 7.348 min Scan# 1994

Delta R.T. 0.011 min

Lab File: VN069804.D

Acq: 7 Dec 2021 10:25

Instrument :

MSVOA_N

ClientSampleId :

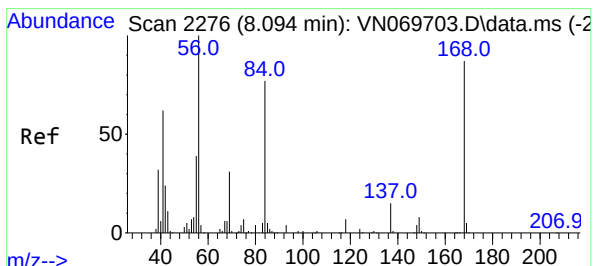
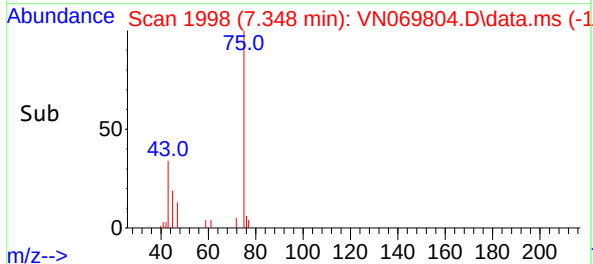
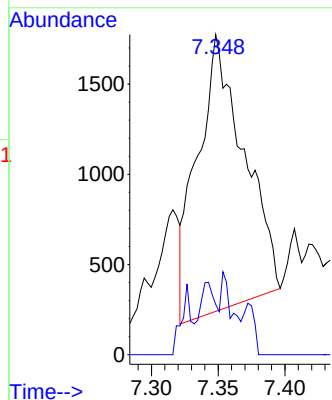
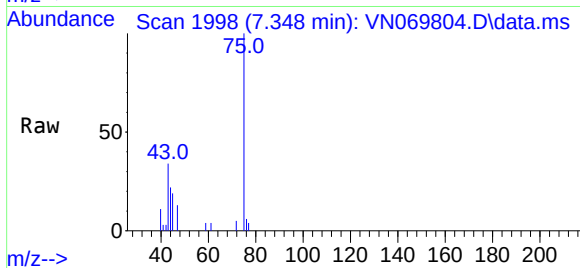
VN1207MBL01

Tgt Ion: 43 Resp: 3698

Ion Ratio Lower Upper

43 100

72 19.8 21.7 32.5#



#31

Cyclohexane

Concen: 1.21 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.013 min

Lab File: VN069804.D

Acq: 7 Dec 2021 10:25

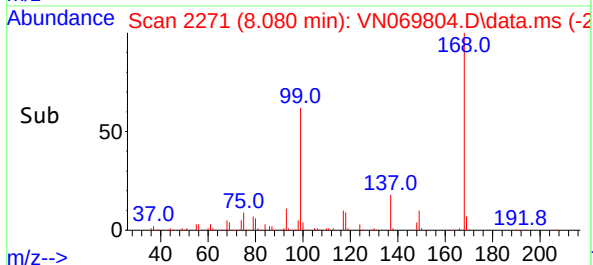
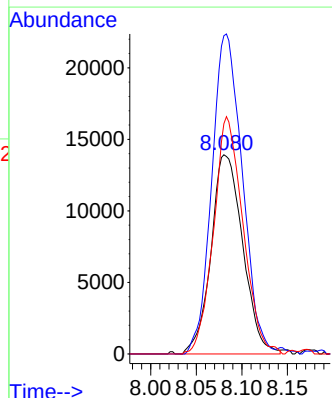
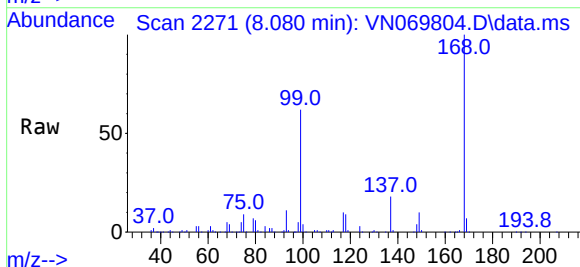
Tgt Ion: 56 Resp: 33670

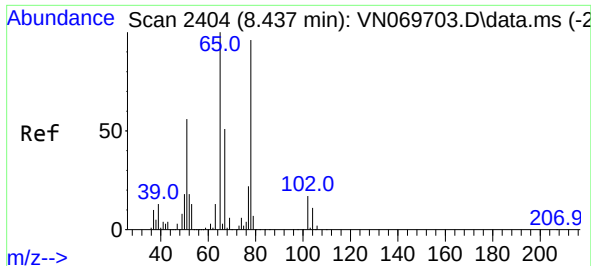
Ion Ratio Lower Upper

56 100

69 159.7 27.1 40.7#

84 115.6 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.66 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN069804.D

Acq: 7 Dec 2021 10:25

Instrument :

MSVOA_N

ClientSampleId :

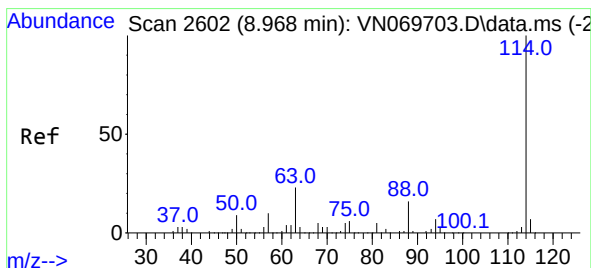
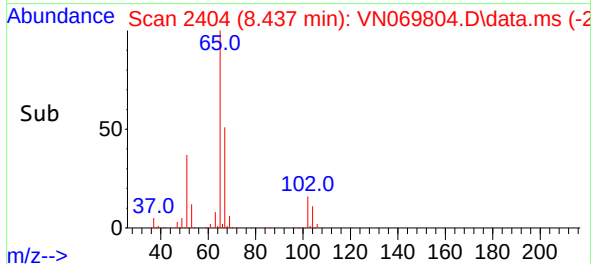
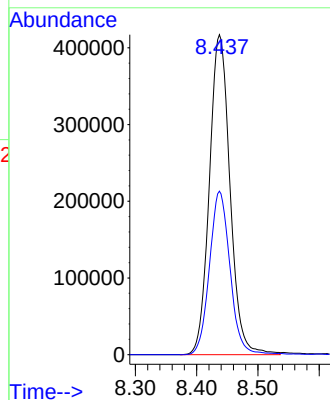
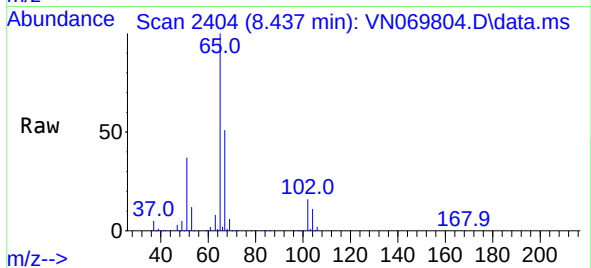
VN1207MBL01

Tgt Ion: 65 Resp: 975578

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# 2602

Delta R.T. 0.000 min

Lab File: VN069804.D

Acq: 7 Dec 2021 10:25

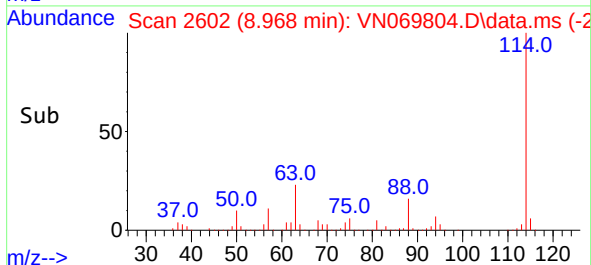
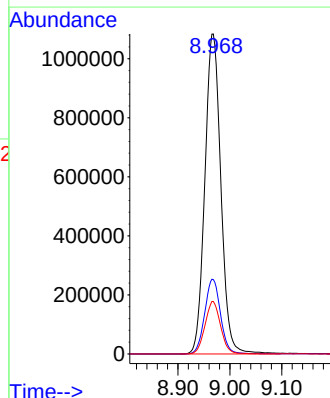
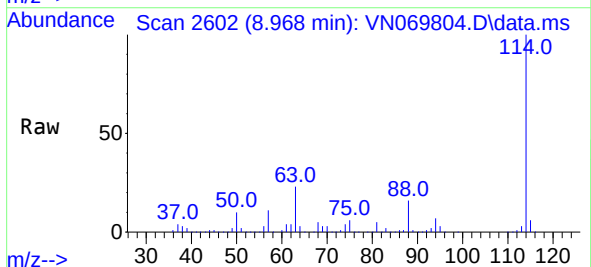
Tgt Ion: 114 Resp: 2321838

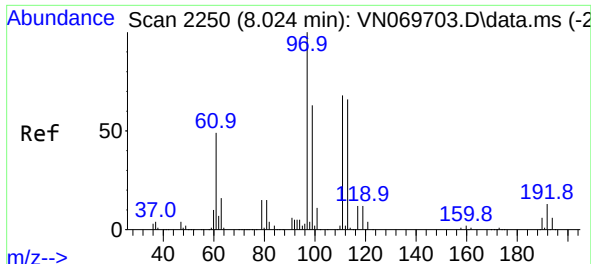
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.4 0.0 27.4

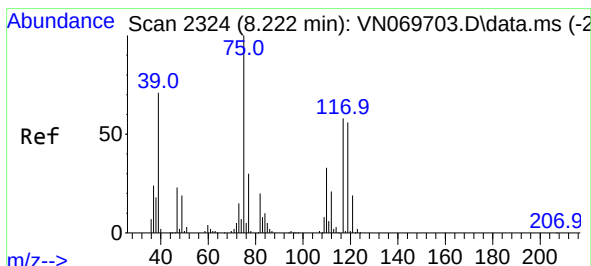
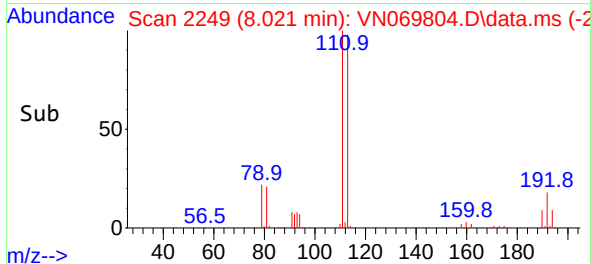
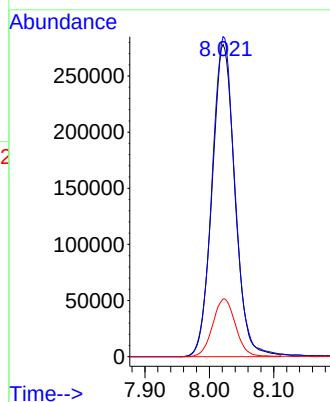
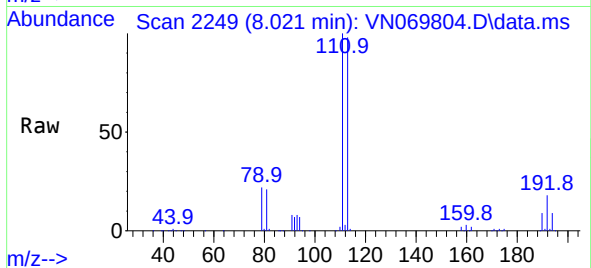




#35
Dibromofluoromethane
Concen: 47.12 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

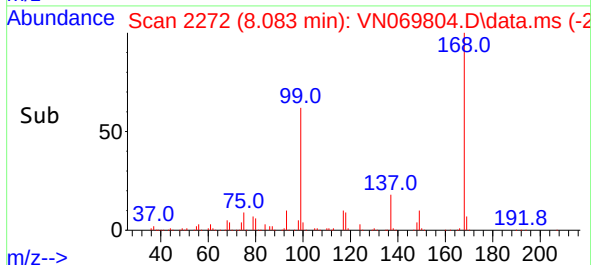
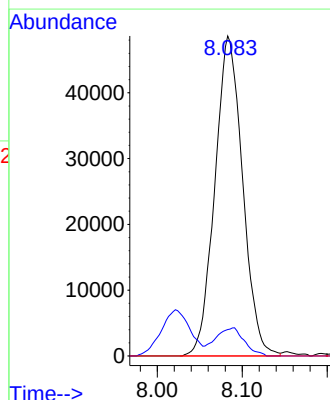
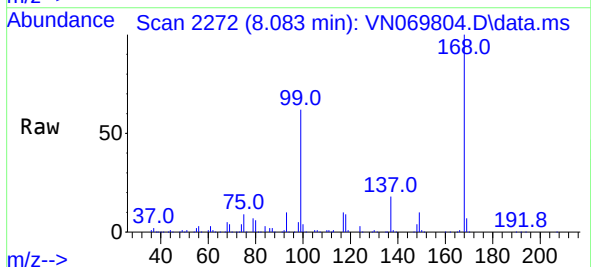
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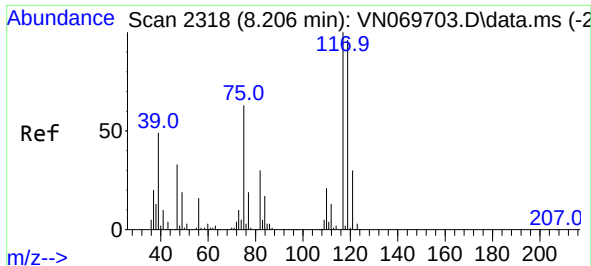
Tgt Ion:113 Resp: 685222
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.00 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 75 Resp: 110427
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#

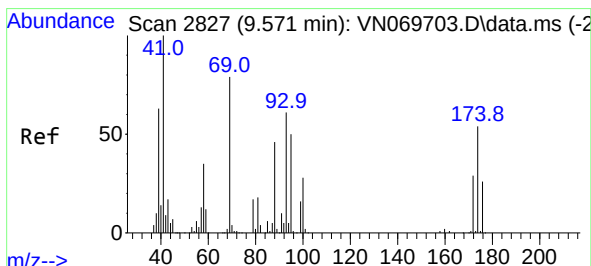
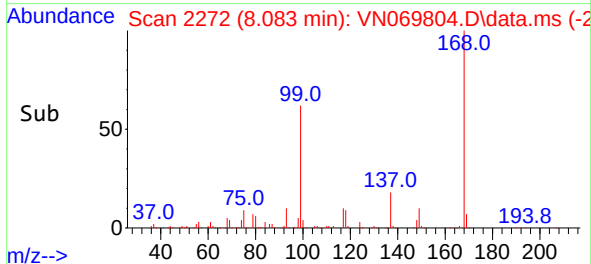
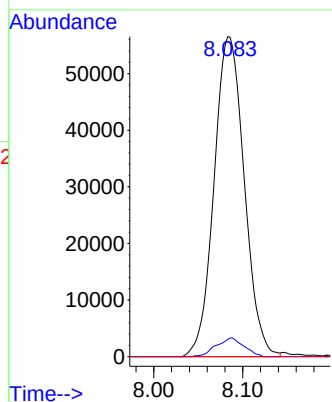
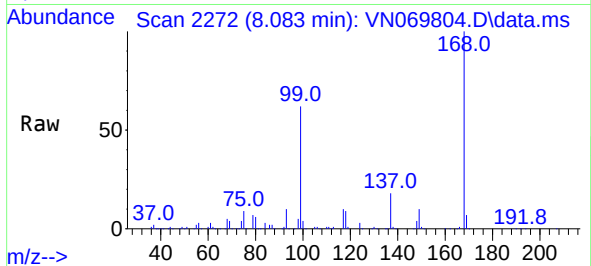




#38
Carbon Tetrachloride
Concen: 6.14 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

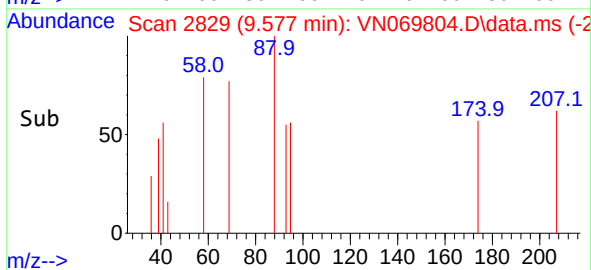
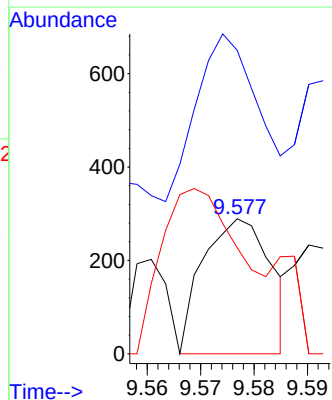
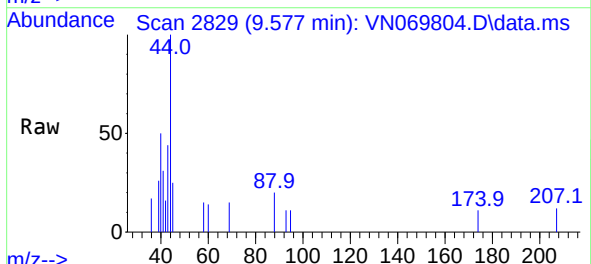
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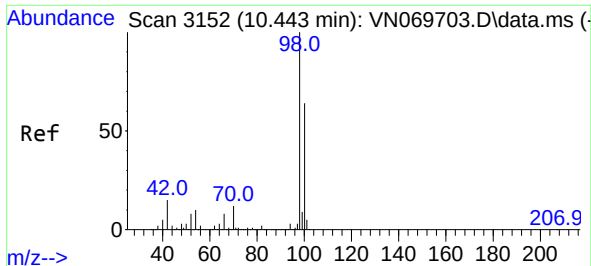
Tgt Ion:117 Resp: 133187
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.63 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
43 111.4 23.4 35.2#
58 171.4 50.6 75.8#

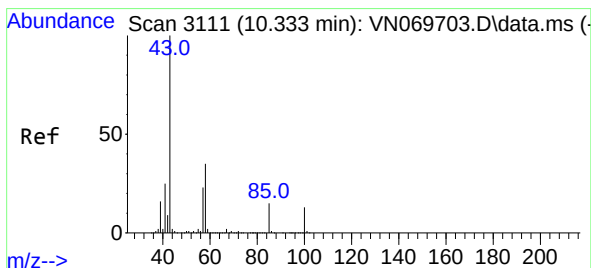
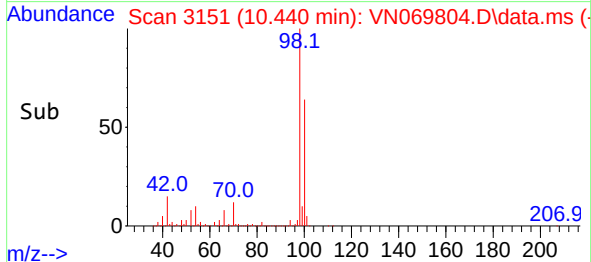
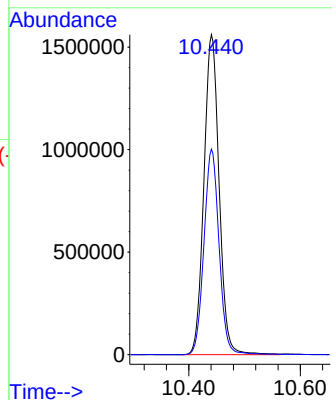
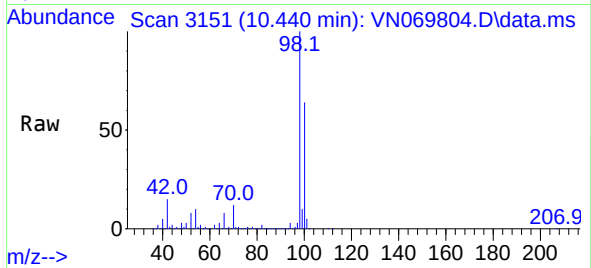




#50
Toluene-d8
Concen: 50.52 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

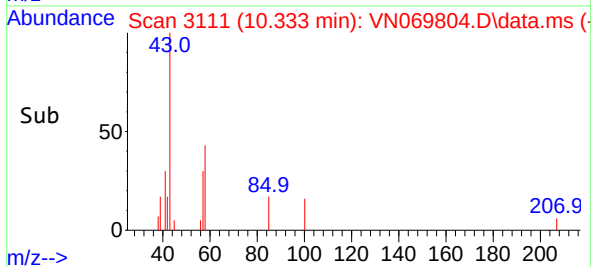
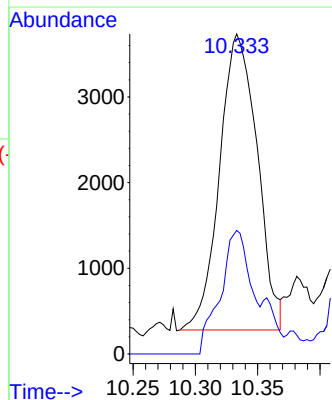
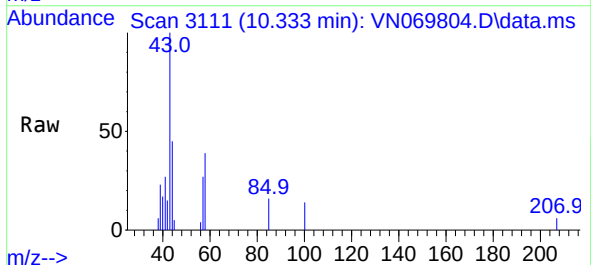
Instrument :
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VN1207MBL01

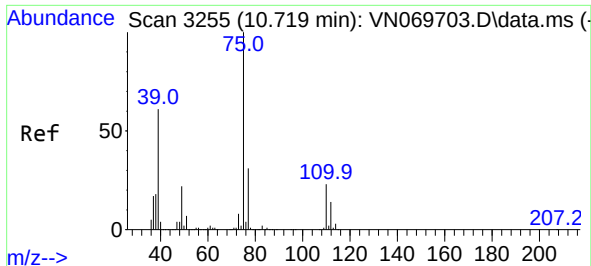
Tgt Ion: 98 Resp: 2950301
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 43 Resp: 7256
Ion Ratio Lower Upper
43 100
58 33.7 30.4 45.6

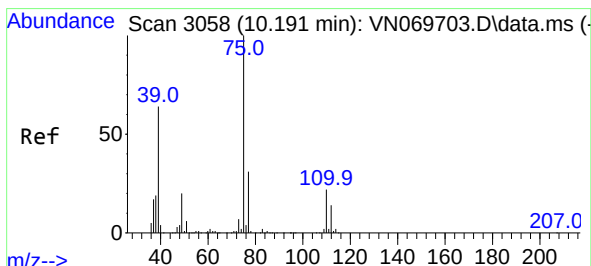
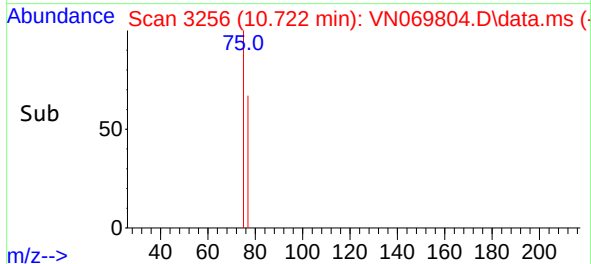
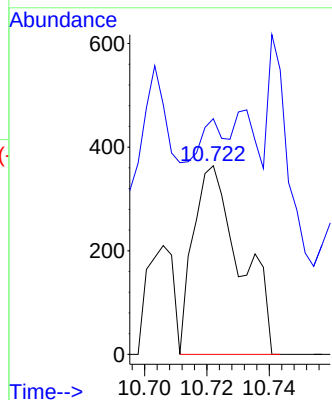
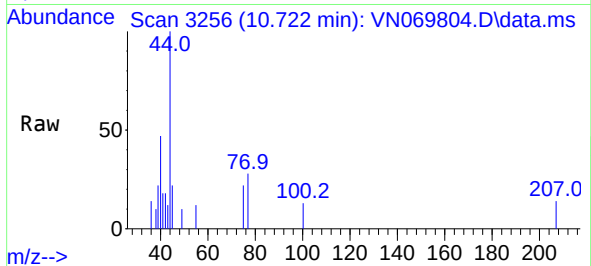




#53
t-1,3-Dichloropropene
Concen: 2.81 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

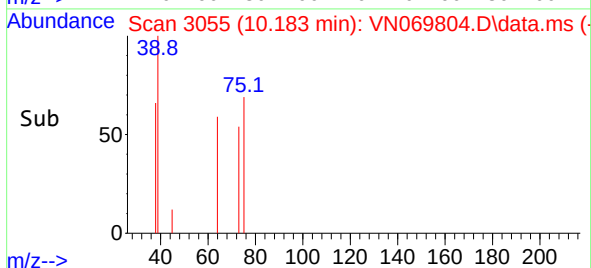
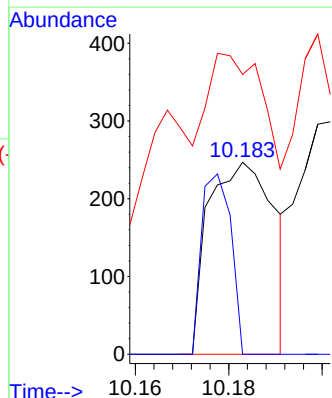
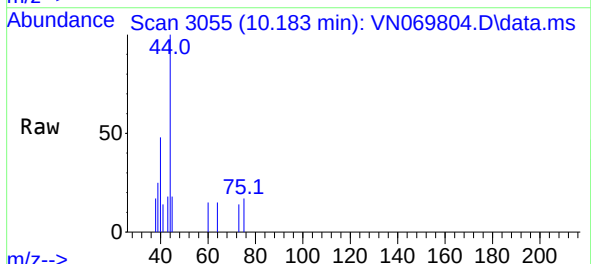
Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

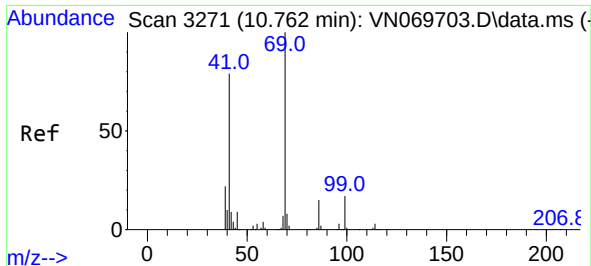
Tgt Ion: 75 Resp: 380
Ion Ratio Lower Upper
75 100
77 23.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.183 min Scan# 3055
Delta R.T. -0.008 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 75 Resp: 239
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 49.4 42.5 63.7

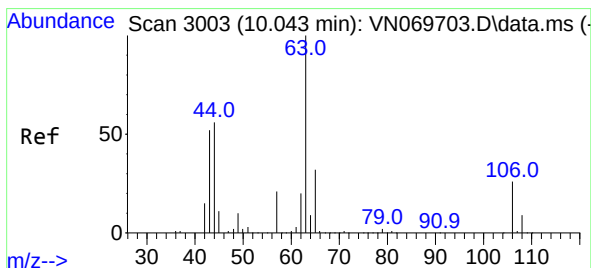
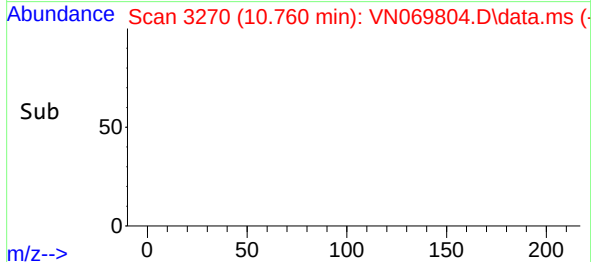
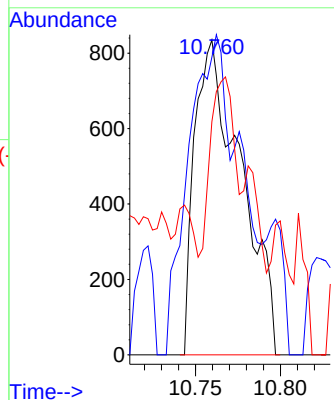
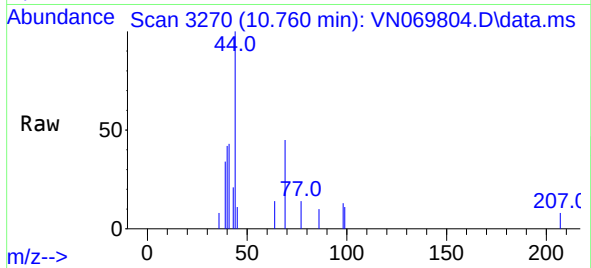




#56
Ethyl methacrylate
Concen: 2.33 ug/l
RT: 10.760 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

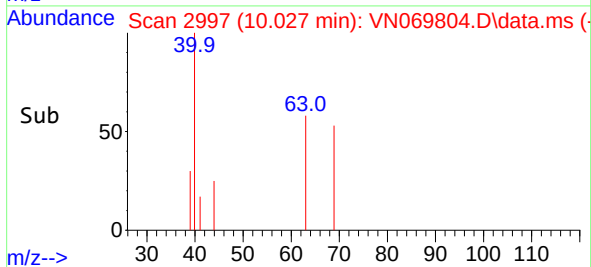
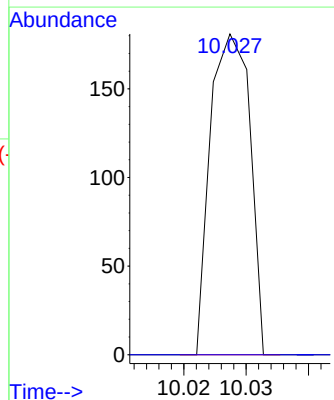
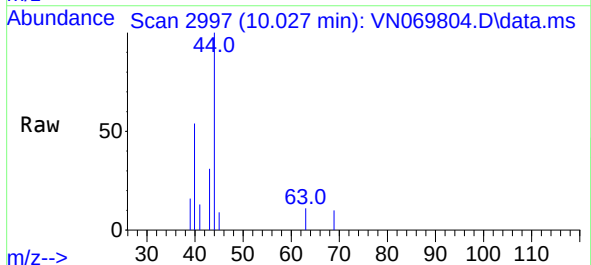
Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

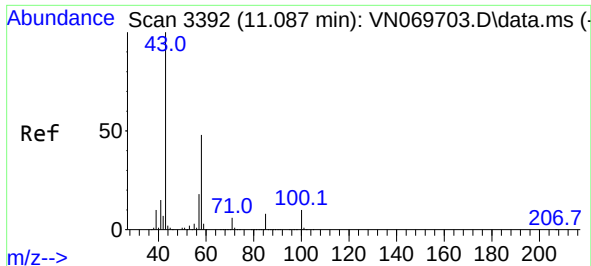
Tgt Ion: 69 Resp: 1570
Ion Ratio Lower Upper
69 100
41 115.1 51.4 77.0#
39 30.8 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.027 min Scan# 2997
Delta R.T. -0.016 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 63 Resp: 80
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

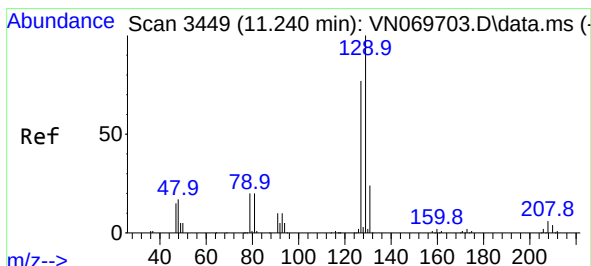
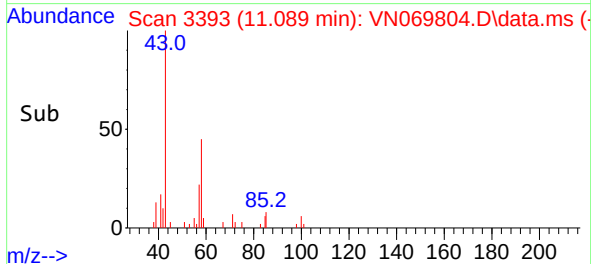
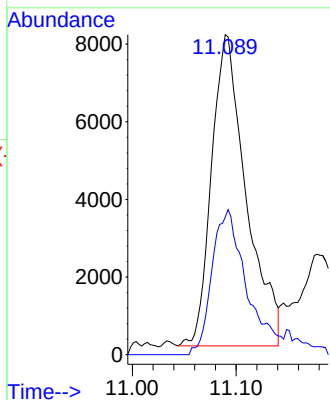
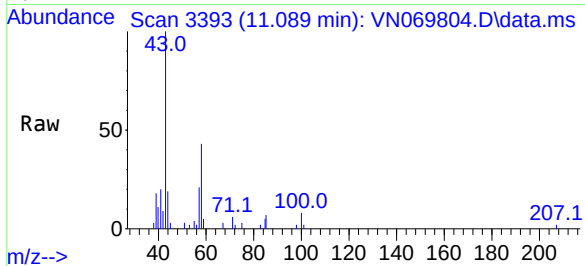




#59
2-Hexanone
Concen: 0.78 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

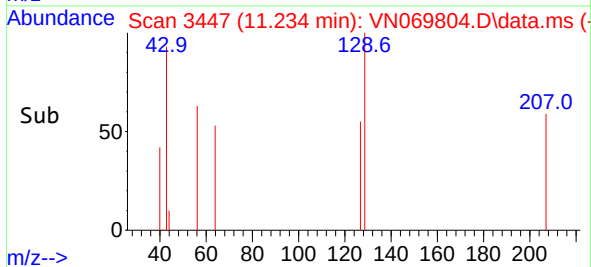
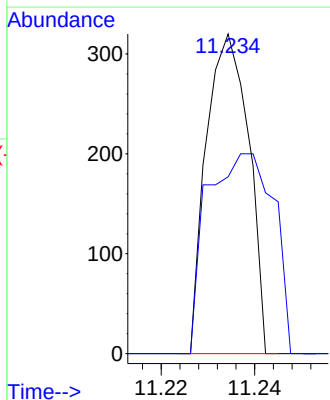
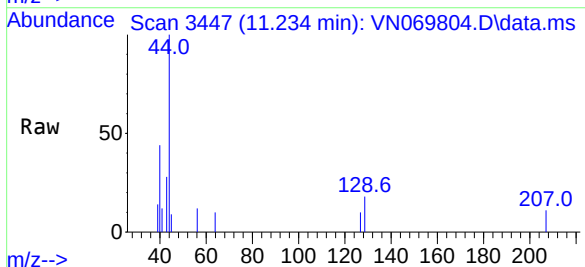
Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

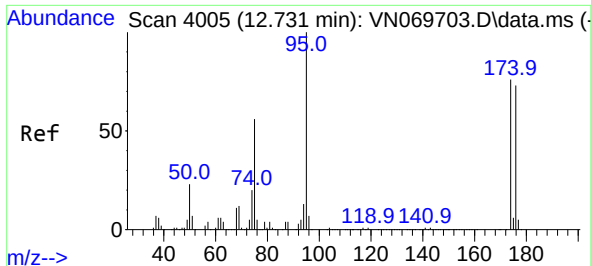
Tgt Ion: 43 Resp: 18574
Ion Ratio Lower Upper
43 100
58 47.0 26.9 80.7



#60
Dibromochloromethane
Concen: 2.39 ug/l
RT: 11.234 min Scan# 3447
Delta R.T. -0.006 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

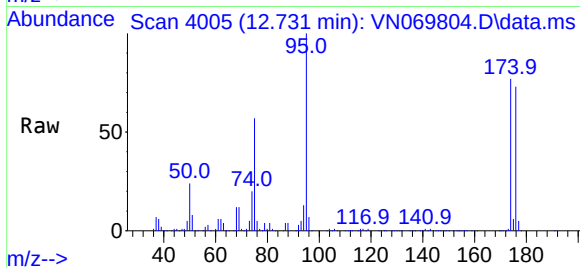
Tgt Ion: 129 Resp: 201
Ion Ratio Lower Upper
129 100
127 98.5 38.6 116.0



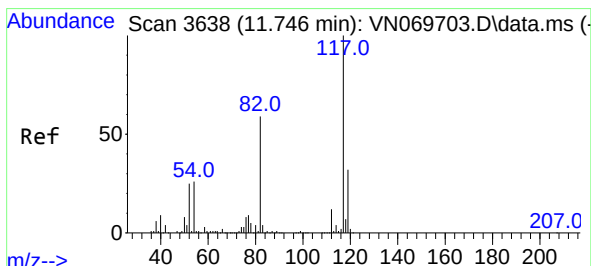
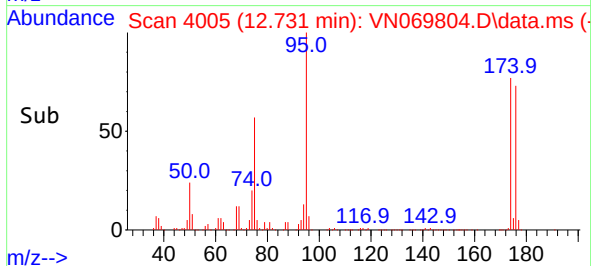
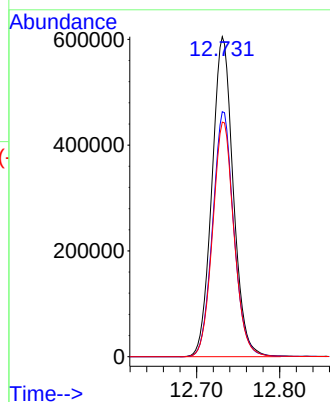


#62
4-Bromofluorobenzene
Concen: 50.91 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

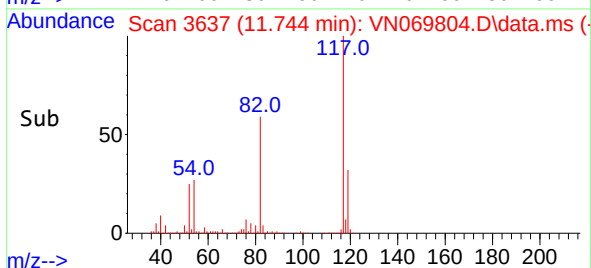
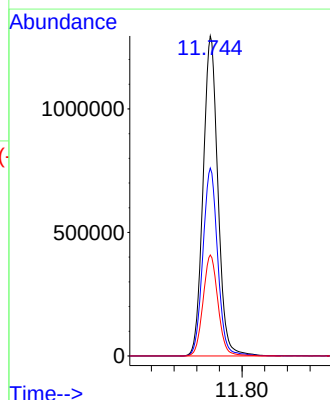
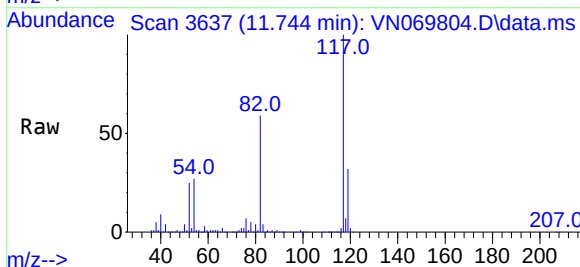


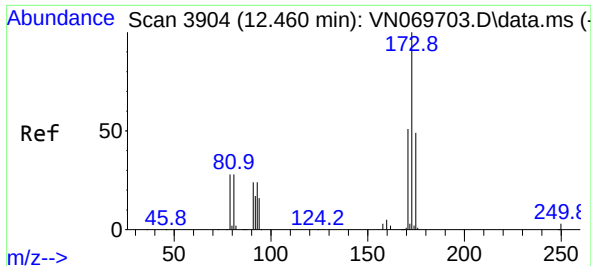
Tgt Ion: 95 Resp: 1077075
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 117 Resp: 2347511
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 31.5 25.4 38.2

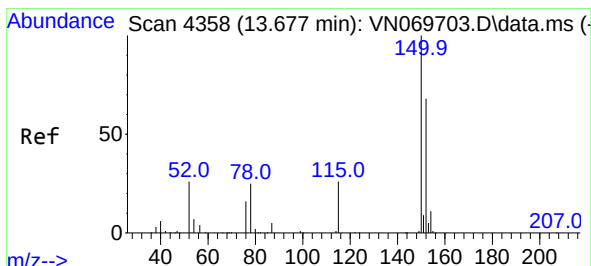
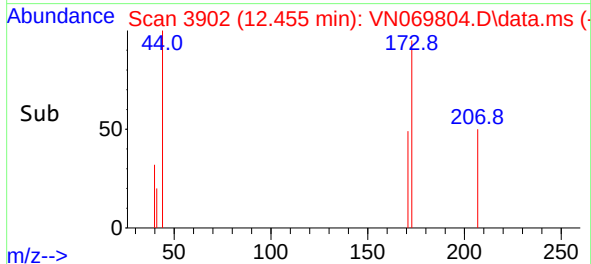
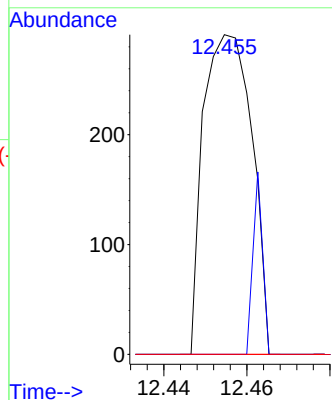
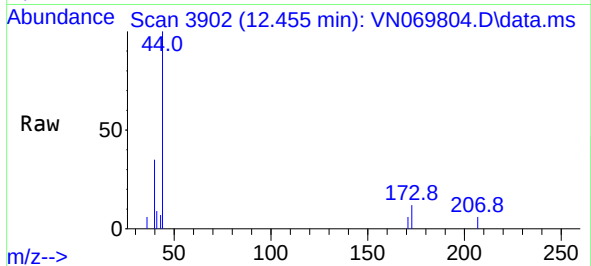




#71
Bromoform
Concen: 2.75 ug/l
RT: 12.455 min Scan# 3902
Delta R.T. -0.005 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

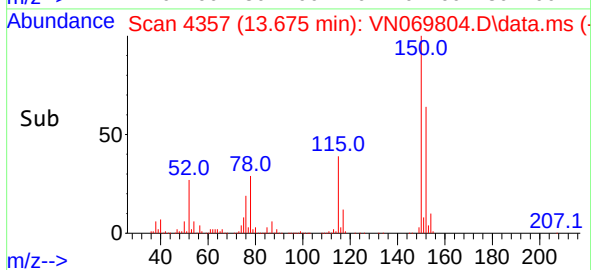
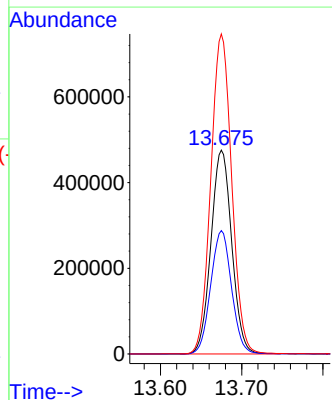
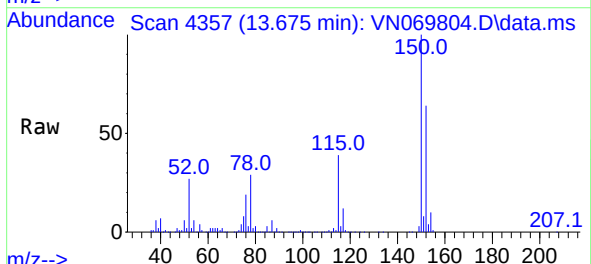
Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

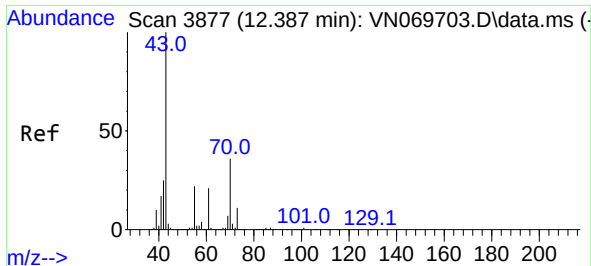
Tgt Ion:173 Resp: 236
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion:152 Resp: 847244
Ion Ratio Lower Upper
152 100
115 60.4 27.5 82.5
150 157.2 0.0 344.4

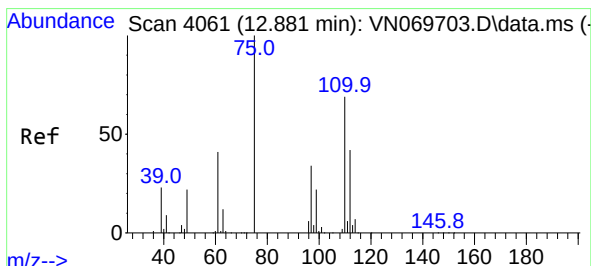
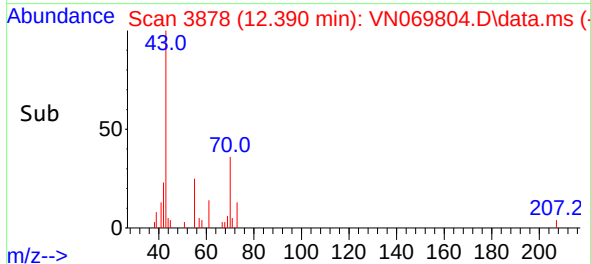
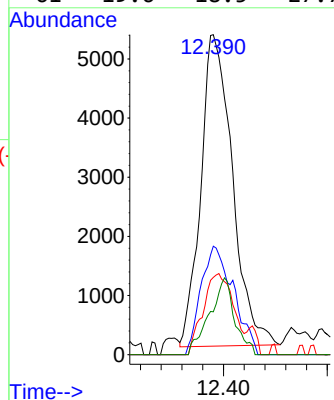
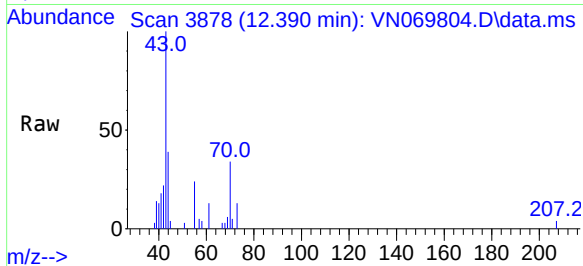




#74
N-amy1 acetate
Concen: 0.33 ug/l
RT: 12.390 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

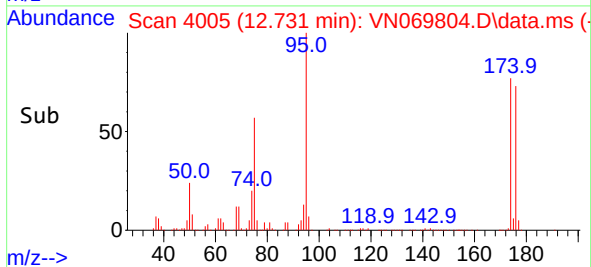
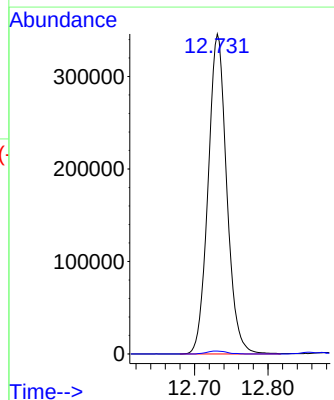
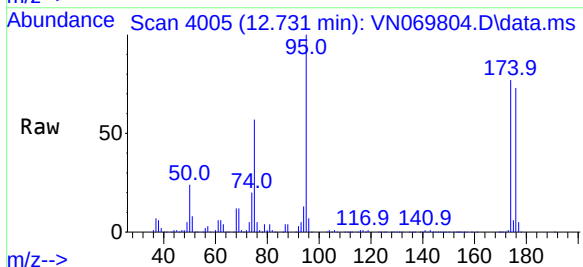
Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

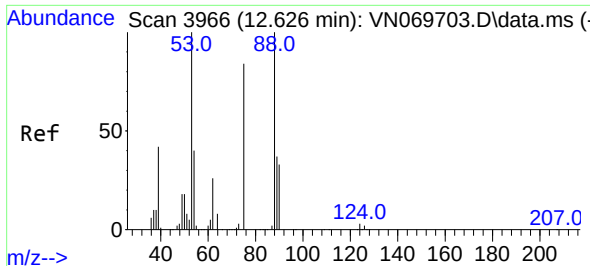
Tgt Ion: 43	Resp: 11138
Ion Ratio	Lower Upper
43 100	
70 35.9	33.4 50.0
55 24.9	19.3 28.9
61 19.6	18.5 27.7



#76
1,2,3-Trichloropropane
Concen: 25.14 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 75	Resp: 610745
Ion Ratio	Lower Upper
75 100	
77 1.0	82.6 247.8#

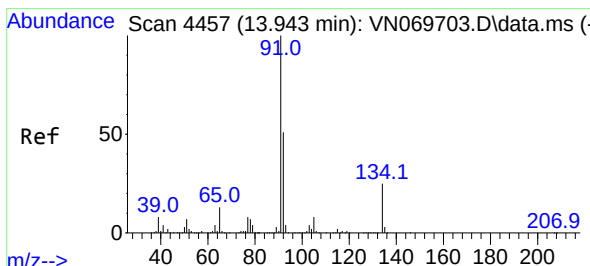
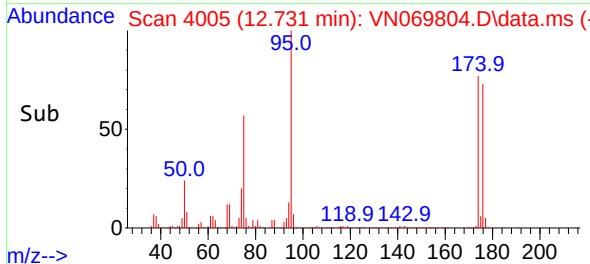
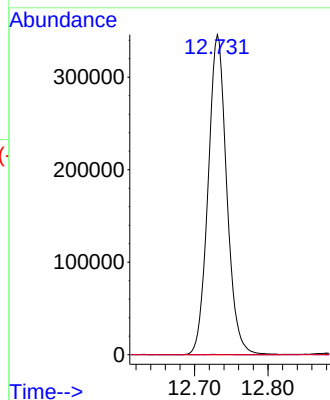
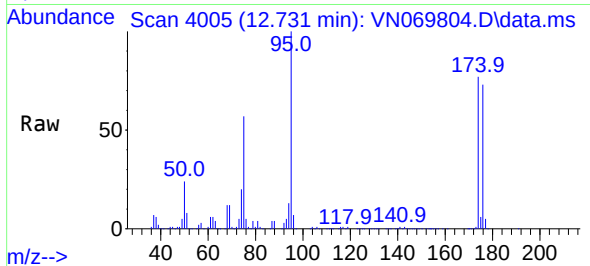




#81
trans-1,4-Dichloro-2-butene
Concen: 79.65 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

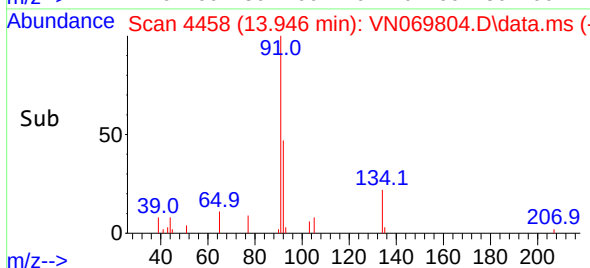
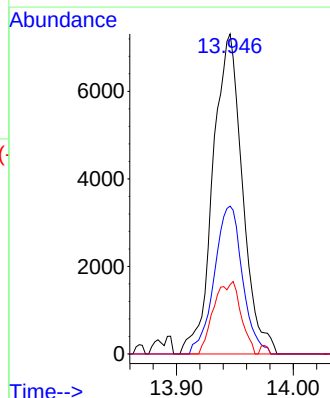
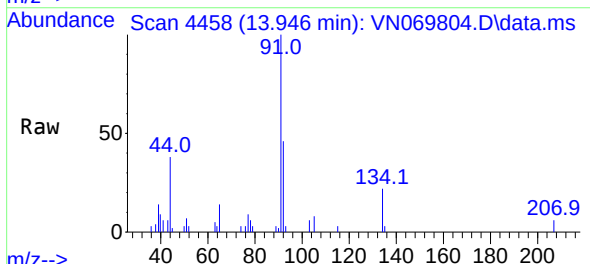
Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

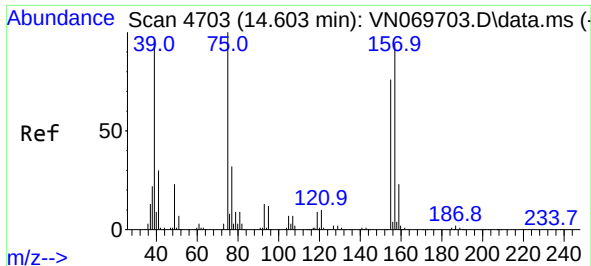
Tgt Ion: 75 Resp: 610745
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.28 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion: 91 Resp: 12818
Ion Ratio Lower Upper
91 100
92 44.2 25.4 76.0
134 20.8 13.6 40.8

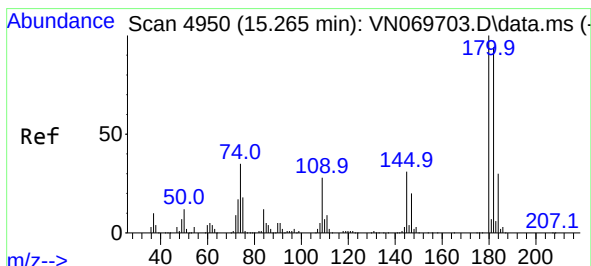
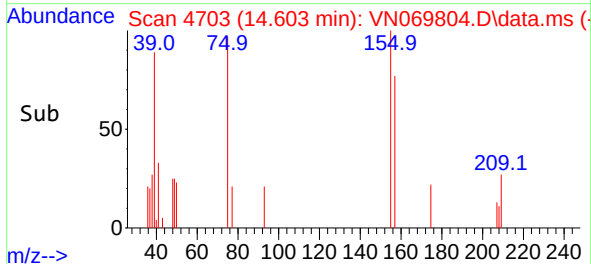
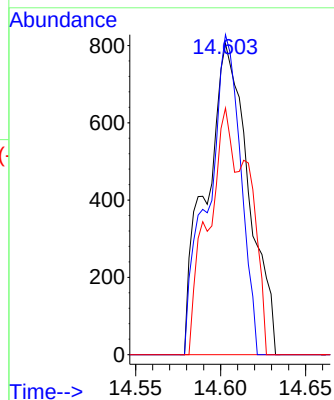
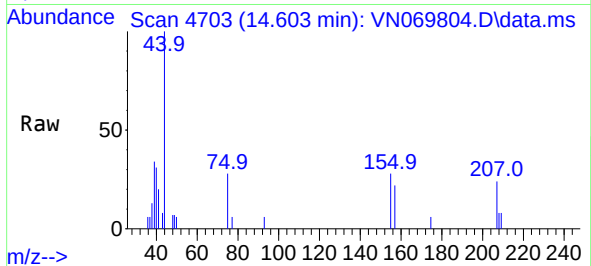




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.30 ug/l
RT: 14.603 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

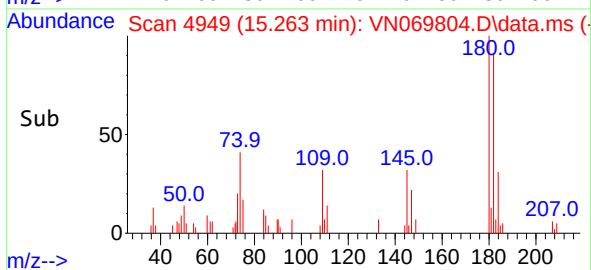
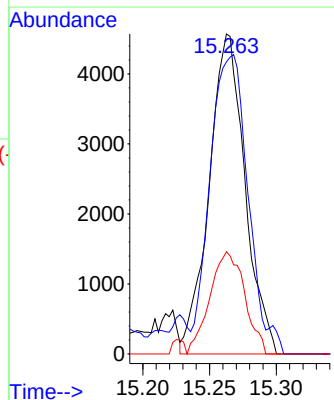
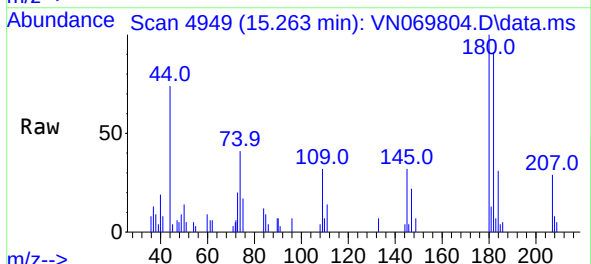
Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

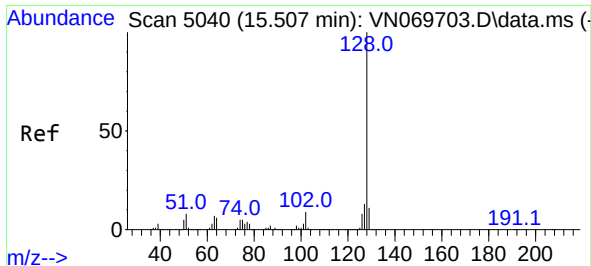
Tgt Ion: 75 Resp: 1404
Ion Ratio Lower Upper
75 100
155 78.8 46.9 140.7
157 53.1 60.6 181.7#



#93
1,2,4-Trichlorobenzene
Concen: 3.46 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion:180 Resp: 8518
Ion Ratio Lower Upper
180 100
182 99.2 48.3 144.9
145 31.1 14.5 43.5

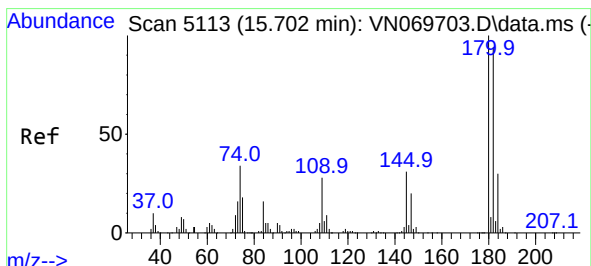
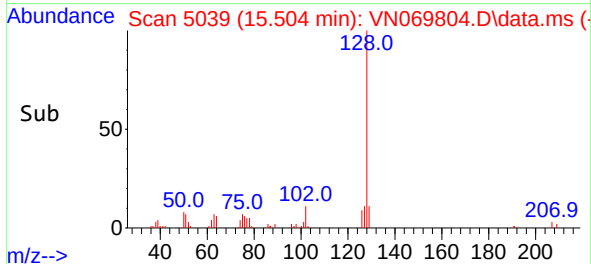
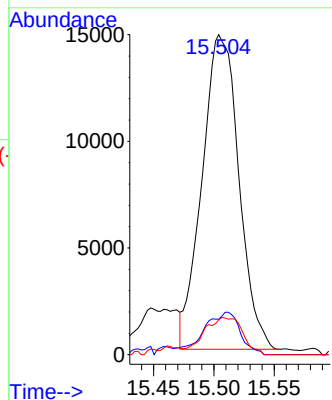
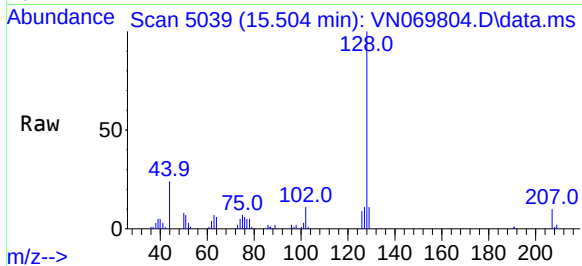




#95
Naphthalene
Concen: 4.68 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207MBL01

Tgt Ion:128	Resp:	31329	
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	12.4	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.21 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069804.D
Acq: 7 Dec 2021 10:25

Tgt Ion:180	Resp:	11001	
Ion	Ratio	Lower	Upper
180	100		
182	89.2	47.4	142.2
145	34.5	15.0	45.1

