

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012522\
 Data File : VN070768.D
 Acq On : 25 Jan 2022 11:54
 Operator : JC/MD
 Sample : VN0125MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0125MBL01

Quant Time: Jan 26 00:47:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	898128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1430533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1237696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	426573	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	617712	47.990	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.980%
35) Dibromofluoromethane	8.024	113	424979	47.892	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.780%
50) Toluene-d8	10.440	98	1757748	47.021	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.040%
62) 4-Bromofluorobenzene	12.731	95	604991	45.416	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.840%

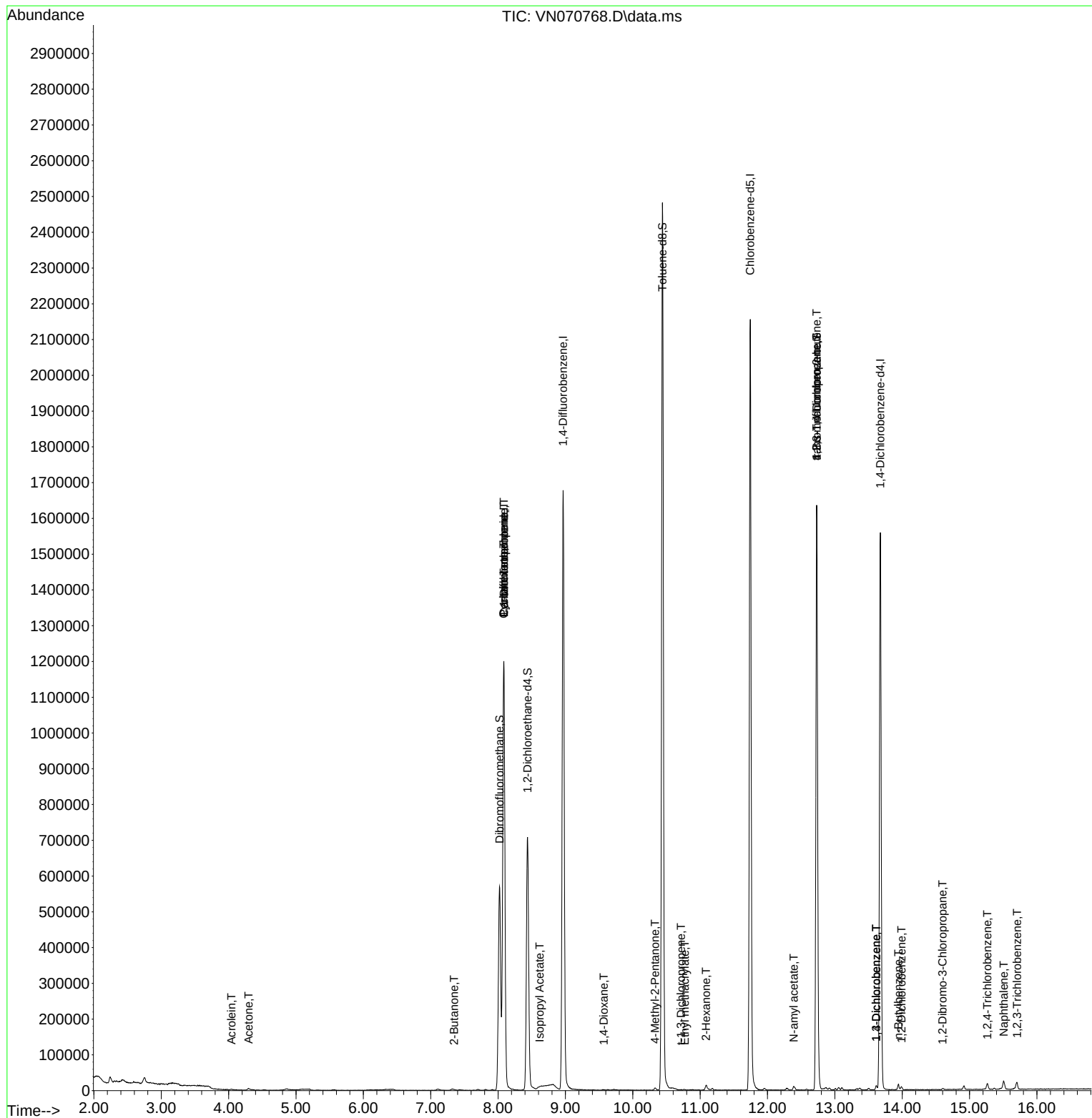
Target Compounds				Qvalue		
13) Acrolein	4.041	56	1432	0.430	ug/l	98
16) Acetone	4.296	43	5598	0.627	ug/l	96
25) 2-Butanone	7.348	43	3525	0.314	ug/l	92
30) Chloroform	7.817	83	2499	Below Cal		99
31) Cyclohexane	8.083	56	20697	0.913	ug/l #	17
36) 1,1-Dichloropropene	8.086	75	76621	5.129	ug/l #	49
38) Carbon Tetrachloride	8.086	117	92186	6.937	ug/l #	16
43) Isopropyl Acetate	8.617	43	7610	0.251	ug/l #	55
49) 1,4-Dioxane	9.569	88	159	0.733	ug/l #	11
51) 4-Methyl-2-Pentanone	10.331	43	5057	0.262	ug/l	93
53) t-1,3-Dichloropropene	10.717	75	250	2.417	ug/l #	79
56) Ethyl methacrylate	10.773	69	1206	2.357	ug/l #	82
59) 2-Hexanone	11.087	43	10973	0.781	ug/l	98
74) N-amyl acetate	12.390	43	7640	0.463	ug/l #	86
76) 1,2,3-Trichloropropane	12.731	75	324154	28.651	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	324154	85.356	ug/l #	5
87) 1,3-Dichlorobenzene	13.613	146	3400	0.226	ug/l	94
88) 1,4-Dichlorobenzene	13.613	146	3400	0.227	ug/l	94
89) n-Butylbenzene	13.943	91	8848	0.354	ug/l	98
91) 1,2-Dichlorobenzene	13.991	146	3728	0.251	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.598	75	466	0.202	ug/l #	62
93) 1,2,4-Trichlorobenzene	15.265	180	6082	4.144	ug/l	87
95) Naphthalene	15.507	128	23705	5.914	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.705	180	7604	4.160	ug/l	86

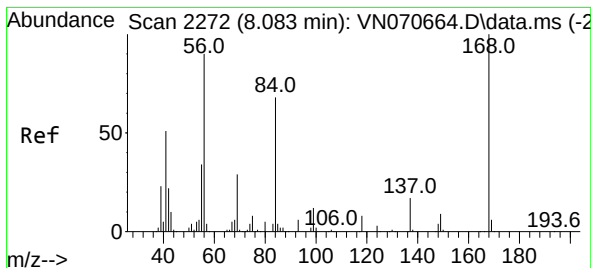
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012522\
Data File : VN070768.D
Acq On : 25 Jan 2022 11:54
Operator : JC/MD
Sample : VN0125MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

Quant Time: Jan 26 00:47:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

Instrument :

MSVOA_N

ClientSampleId :

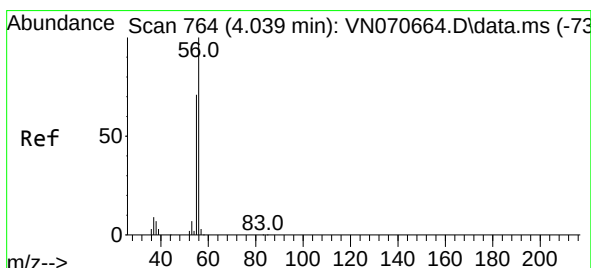
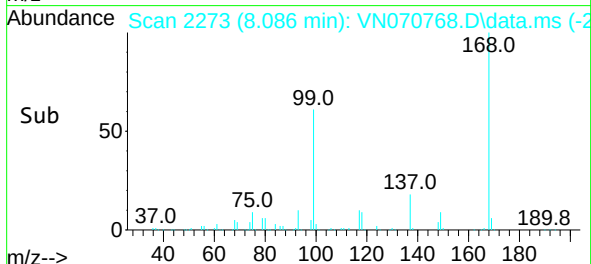
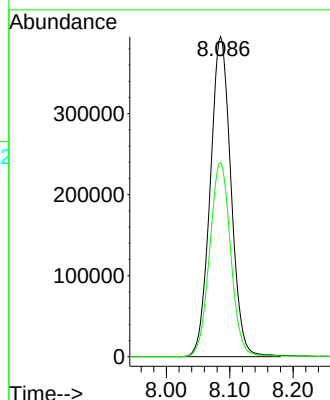
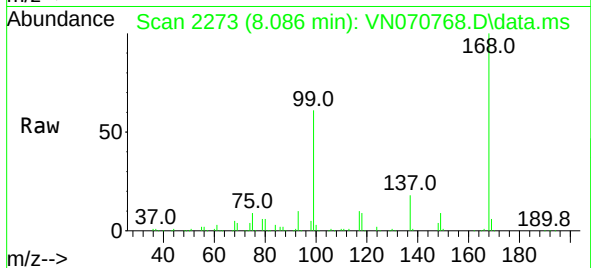
VN0125MBL01

Tgt Ion:168 Resp: 898128

Ion Ratio Lower Upper

168 100

99 60.7 41.3 61.9



#13

Acrolein

Concen: 0.430 ug/l

RT: 4.041 min Scan# 765

Delta R.T. 0.002 min

Lab File: VN070768.D

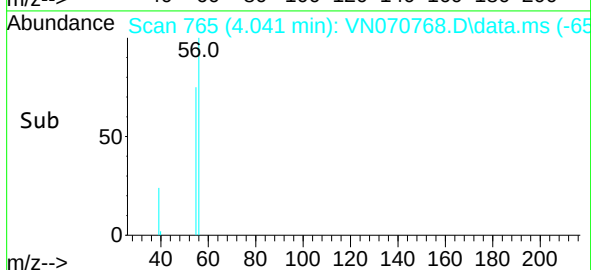
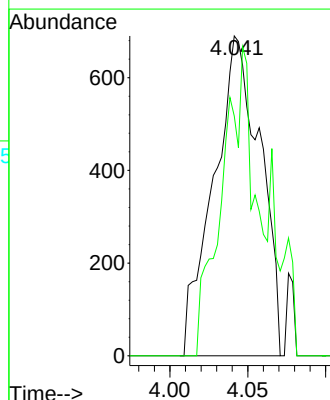
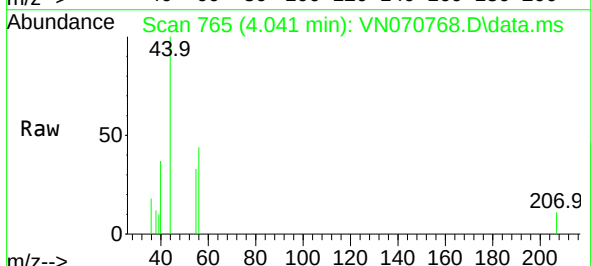
Acq: 25 Jan 2022 11:54

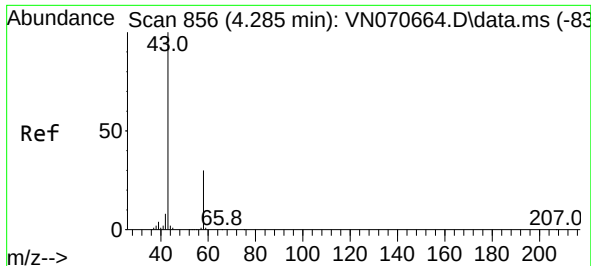
Tgt Ion: 56 Resp: 1432

Ion Ratio Lower Upper

56 100

55 68.8 56.6 85.0

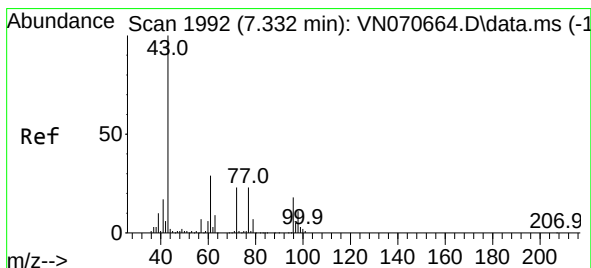
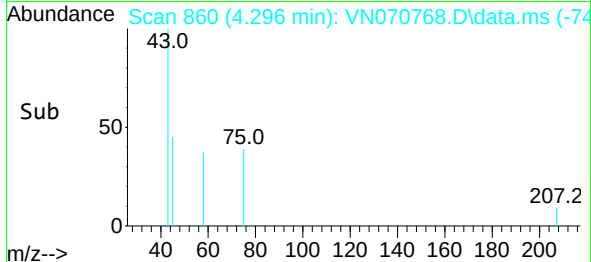
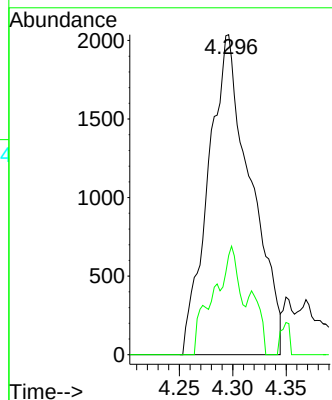
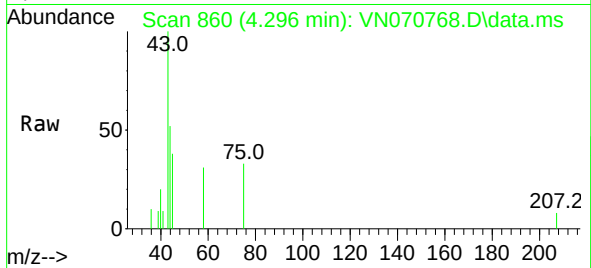




#16
Acetone
Concen: 0.627 ug/l
RT: 4.296 min Scan# 856
Delta R.T. 0.011 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

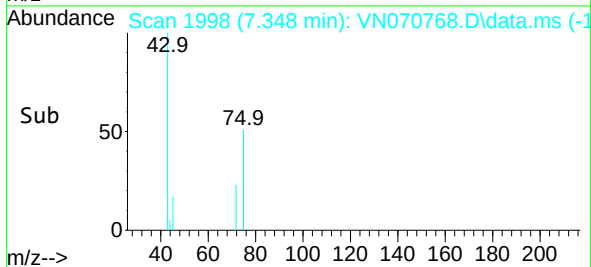
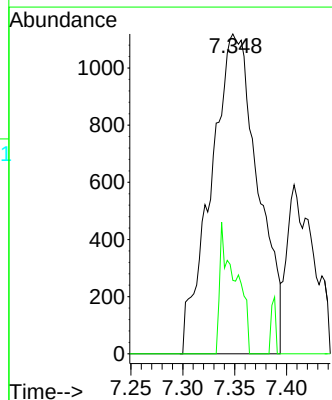
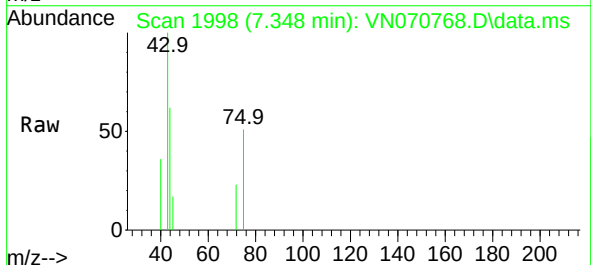
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

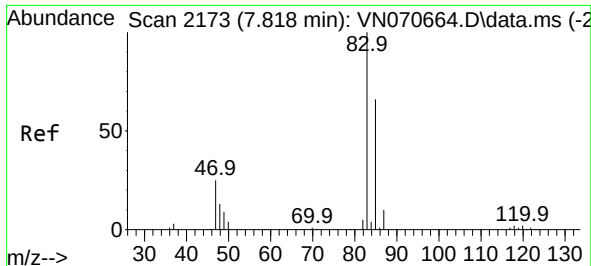
Tgt Ion: 43 Resp: 5598
Ion Ratio Lower Upper
43 100
58 31.0 23.1 34.7



#25
2-Butanone
Concen: 0.314 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

Tgt Ion: 43 Resp: 3525
Ion Ratio Lower Upper
43 100
72 23.0 21.7 32.5





#30

Chloroform

Concen: Below Cal

RT: 7.817 min Scan# 2173

Delta R.T. -0.001 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

Instrument :

MSVOA_N

ClientSampleId :

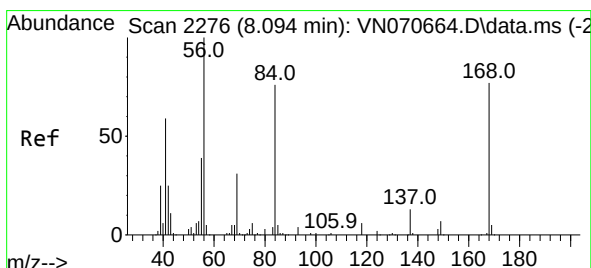
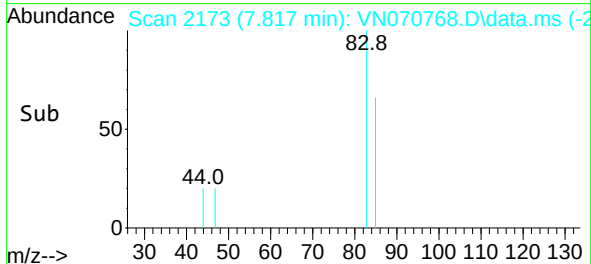
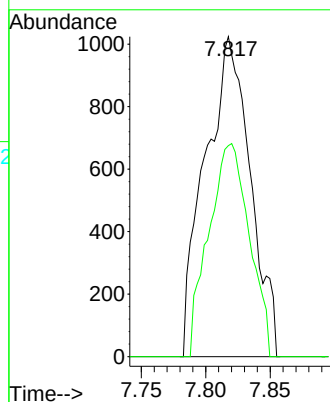
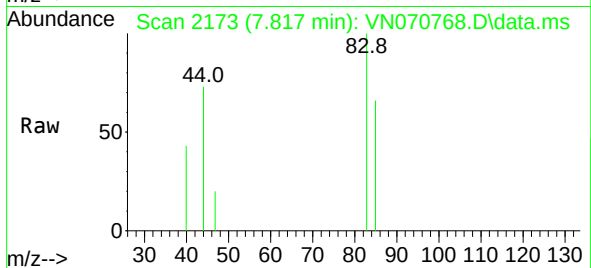
VN0125MBL01

Tgt Ion: 83 Resp: 2499

Ion Ratio Lower Upper

83 100

85 65.9 51.9 77.9



#31

Cyclohexane

Concen: 0.913 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

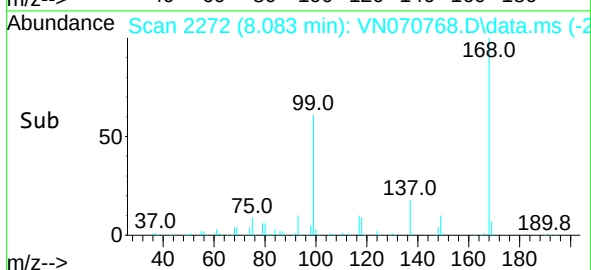
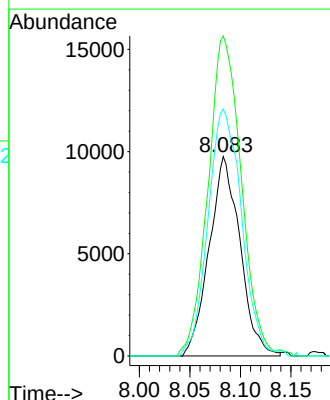
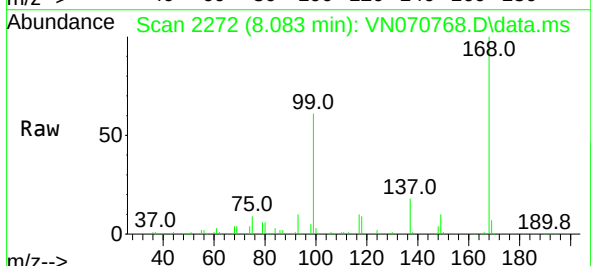
Tgt Ion: 56 Resp: 20697

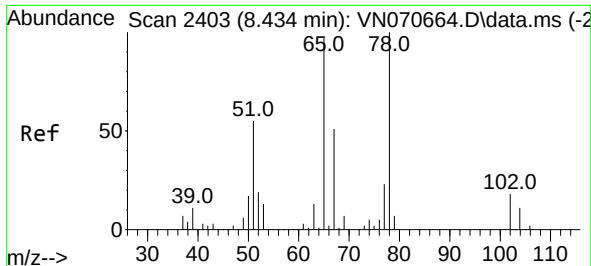
Ion Ratio Lower Upper

56 100

69 157.9 27.1 40.7#

84 123.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.990 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

Instrument :

MSVOA_N

ClientSampleId :

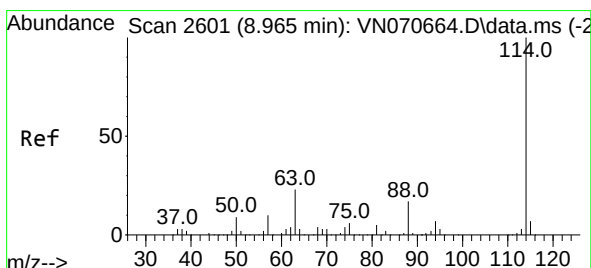
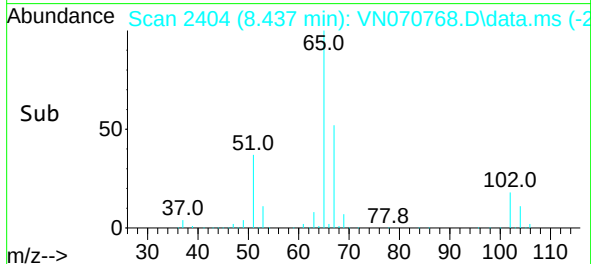
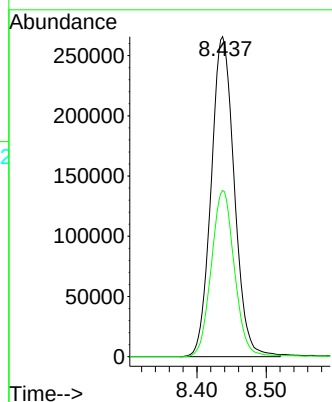
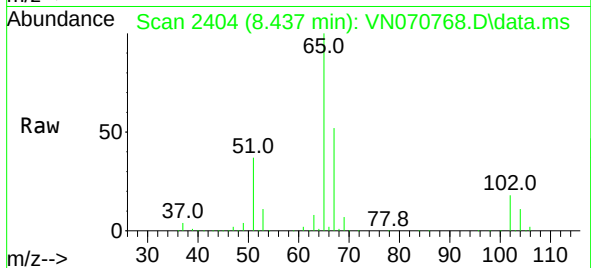
VN0125MBL01

Tgt Ion: 65 Resp: 617712

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

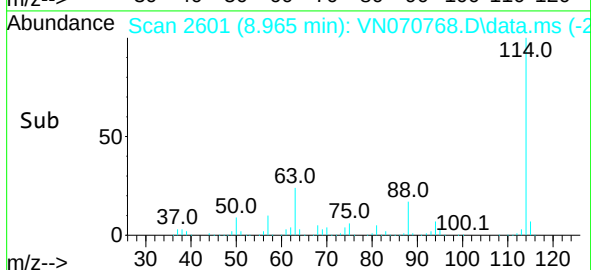
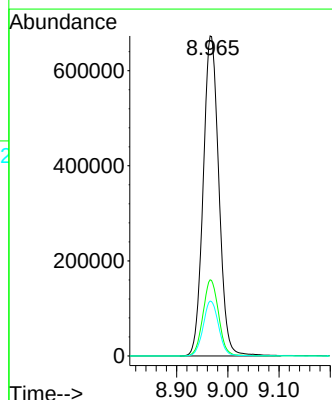
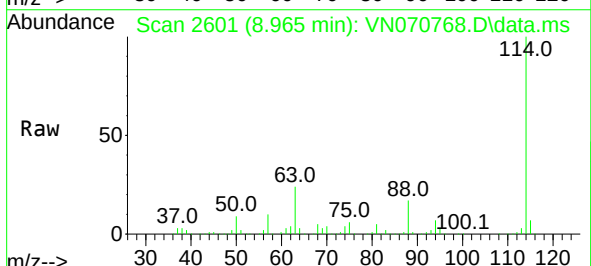
Tgt Ion: 114 Resp: 1430533

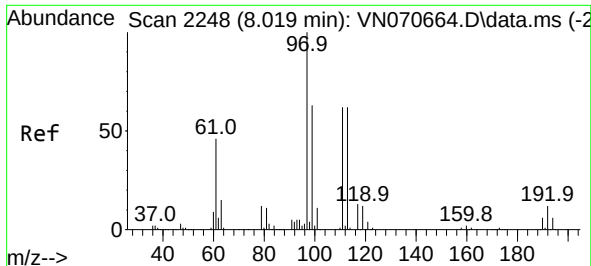
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 17.1 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.892 ug/l

RT: 8.024 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0125MBL01

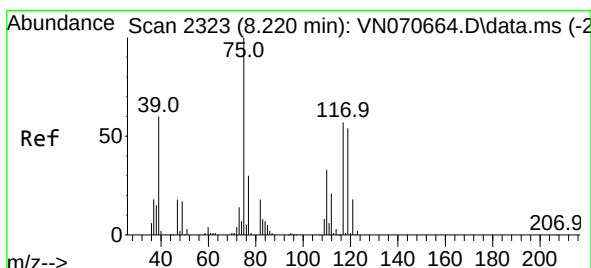
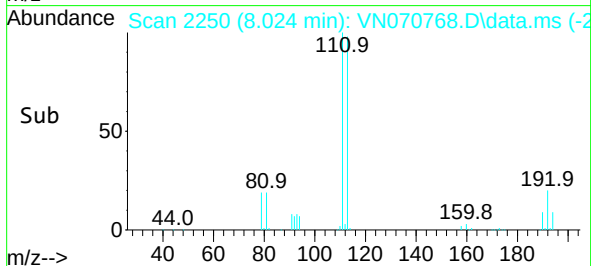
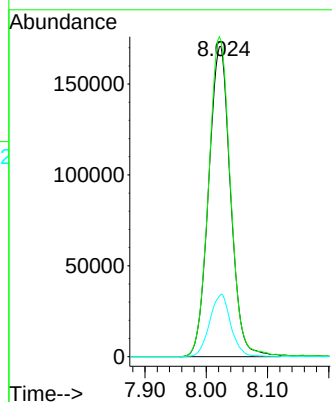
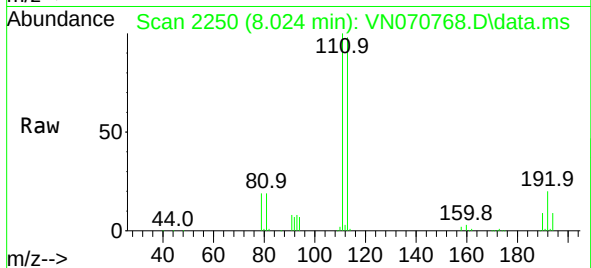
Tgt Ion:113 Resp: 424979

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.129 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.134 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

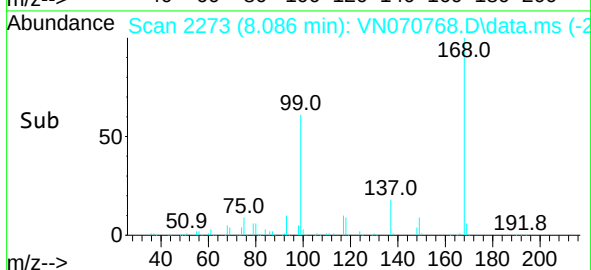
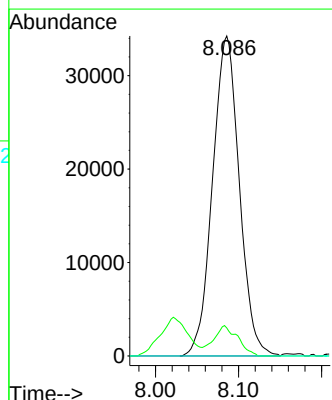
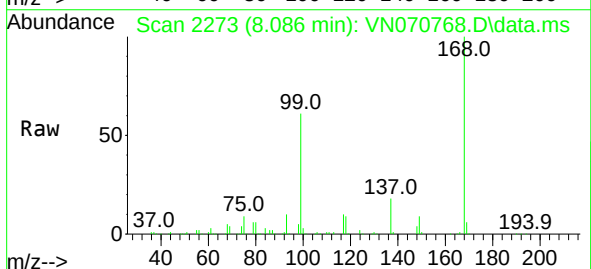
Tgt Ion: 75 Resp: 76621

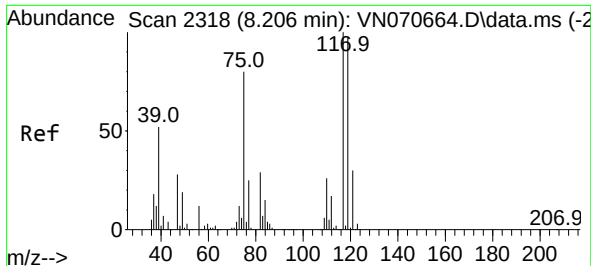
Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 24.4 36.6#

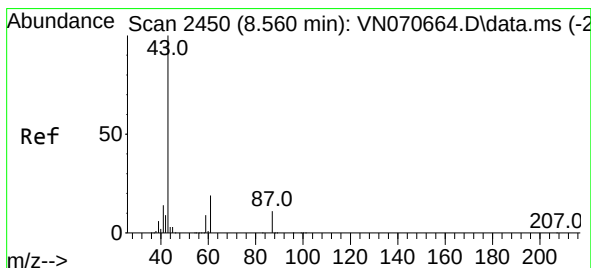
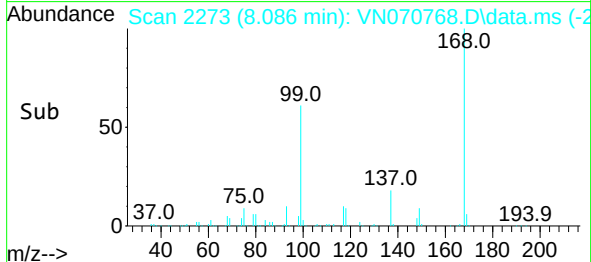
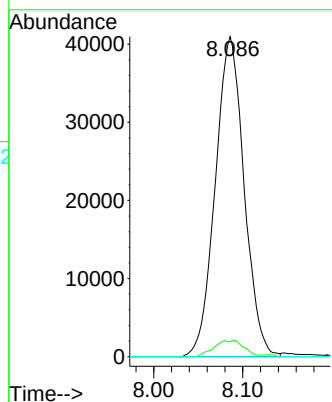
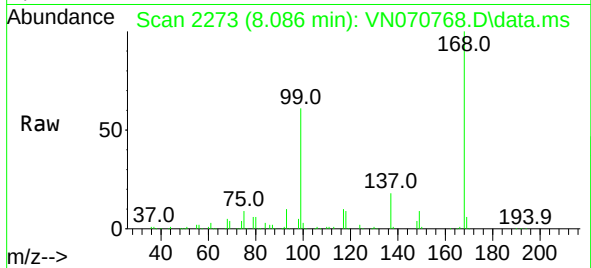




#38
Carbon Tetrachloride
Concen: 6.937 ug/l
RT: 8.086 min Scan# 2470
Delta R.T. -0.120 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

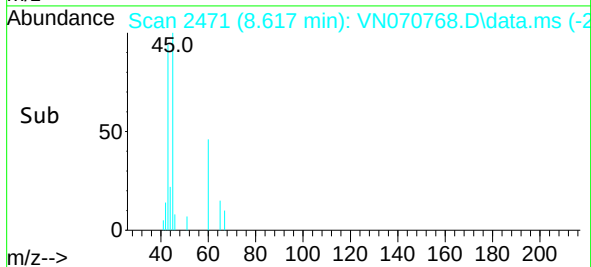
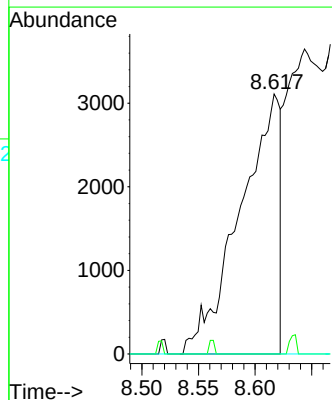
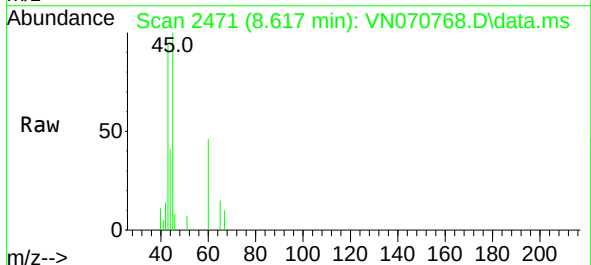
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

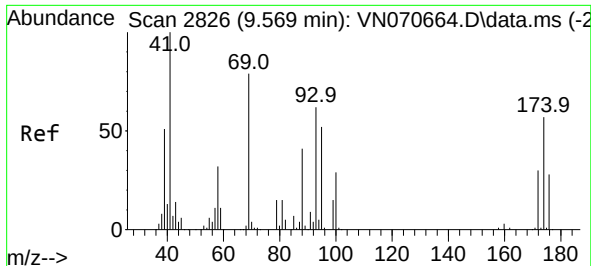
Tgt Ion:117 Resp: 92186
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.251 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.057 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

Tgt Ion: 43 Resp: 7610
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#





#49

1,4-Dioxane

Concen: 0.733 ug/l

RT: 9.569 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0125MBL01

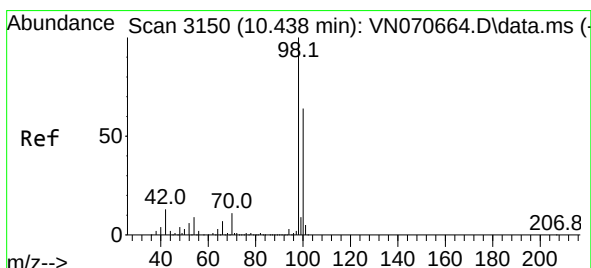
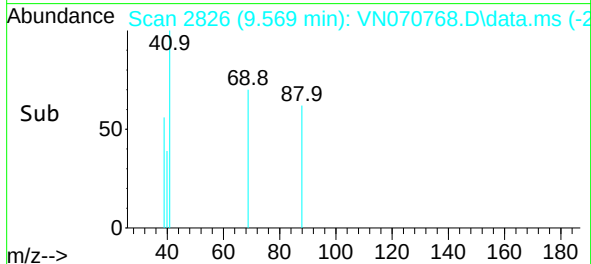
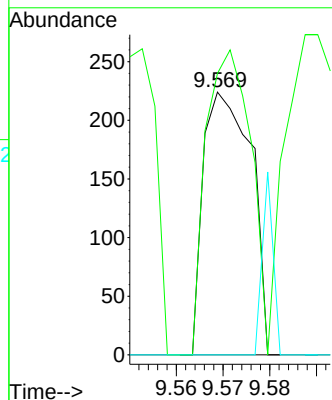
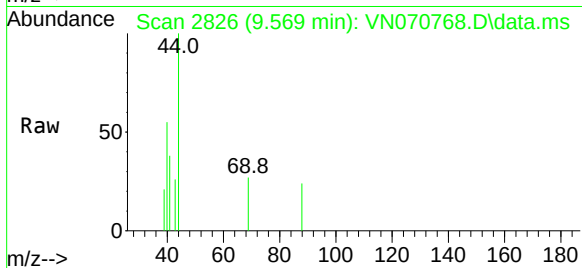
Tgt Ion: 88 Resp: 159

Ion Ratio Lower Upper

88 100

43 108.8 23.4 35.2#

58 15.7 50.6 75.8#



#50

Toluene-d8

Concen: 47.021 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070768.D

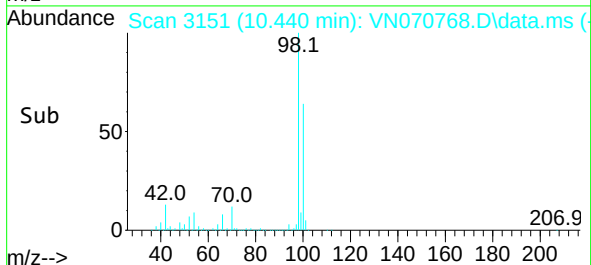
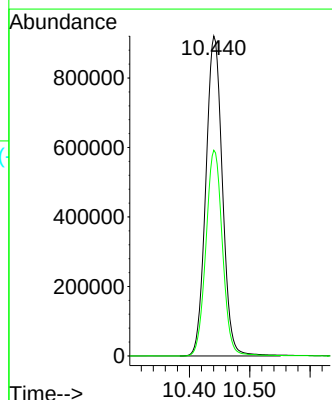
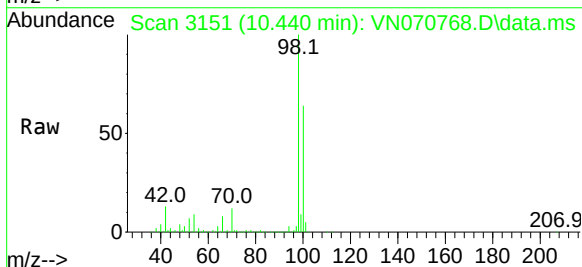
Acq: 25 Jan 2022 11:54

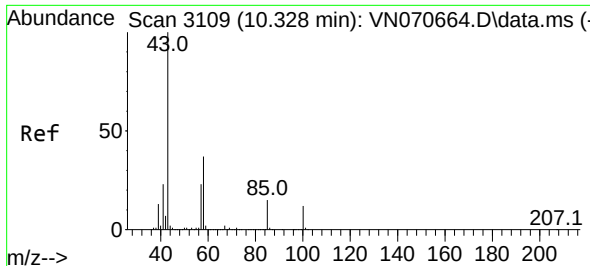
Tgt Ion: 98 Resp: 1757748

Ion Ratio Lower Upper

98 100

100 64.2 50.4 75.6

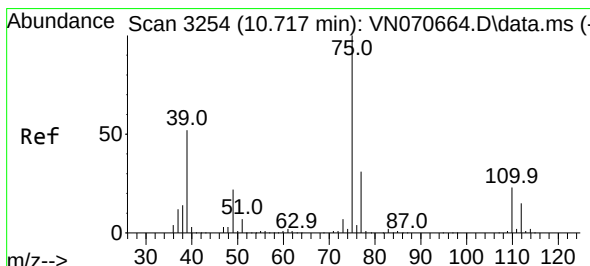
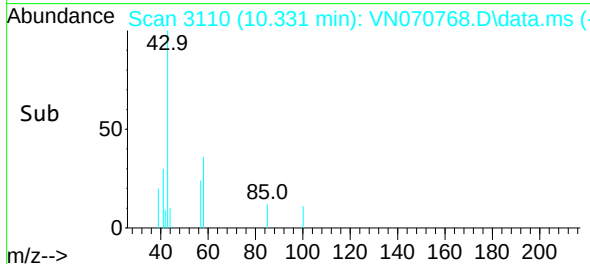
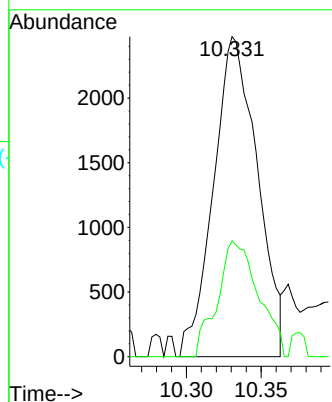
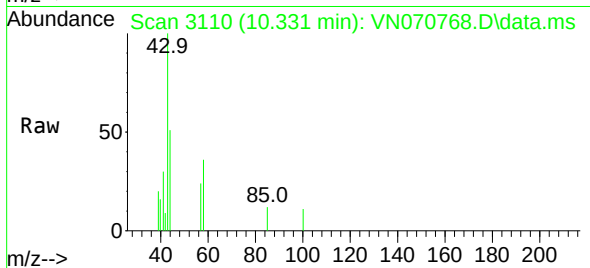




#51
4-Methyl-2-Pentanone
Concen: 0.262 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.003 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

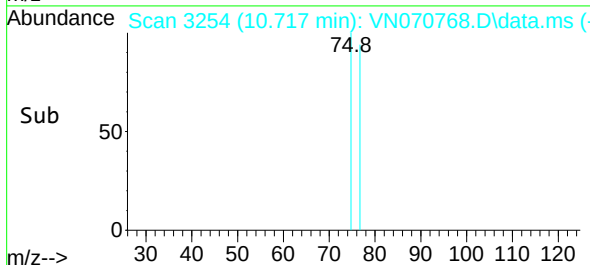
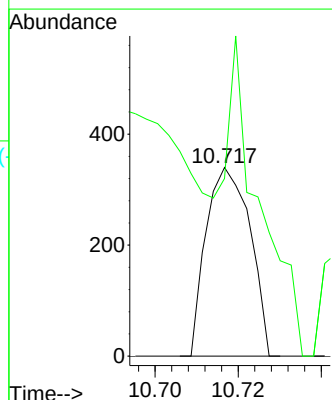
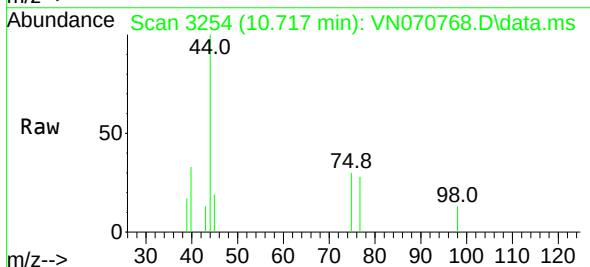
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

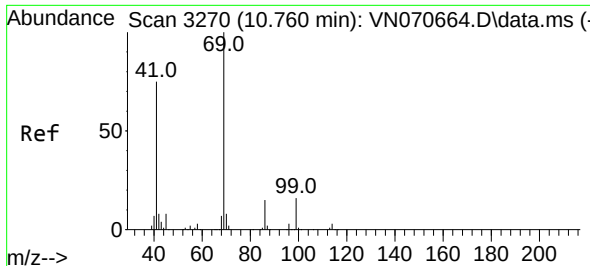
Tgt Ion: 43 Resp: 5057
Ion Ratio Lower Upper
43 100
58 33.7 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.417 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.000 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

Tgt Ion: 75 Resp: 250
Ion Ratio Lower Upper
75 100
77 43.5 25.6 38.4#

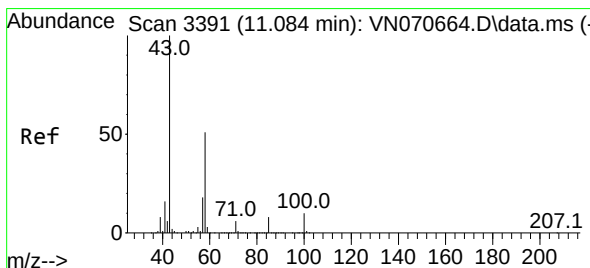
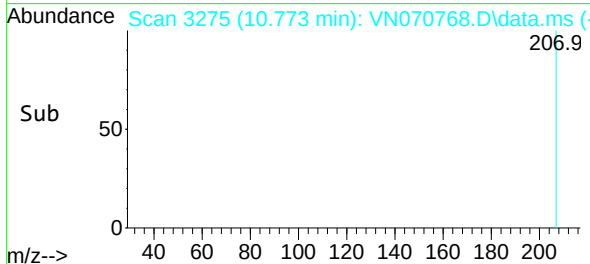
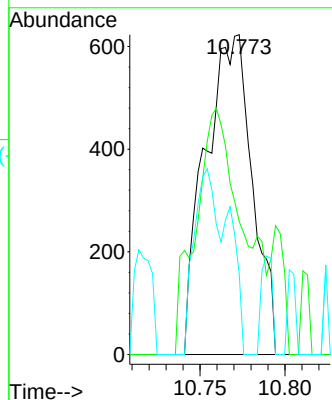
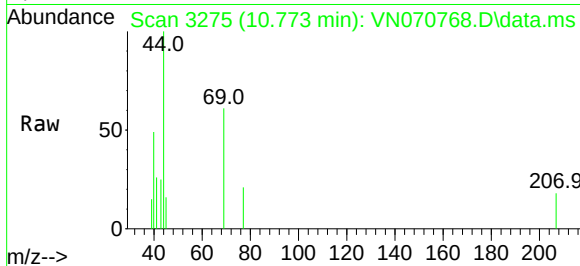




#56
Ethyl methacrylate
Concen: 2.357 ug/l
RT: 10.773 min Scan# 31
Delta R.T. 0.013 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

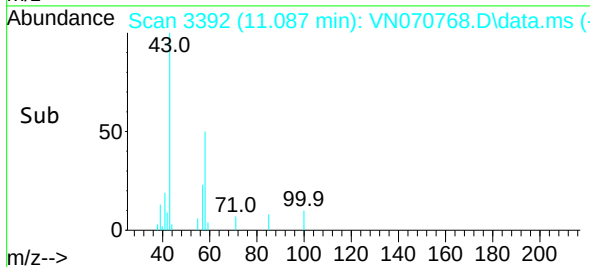
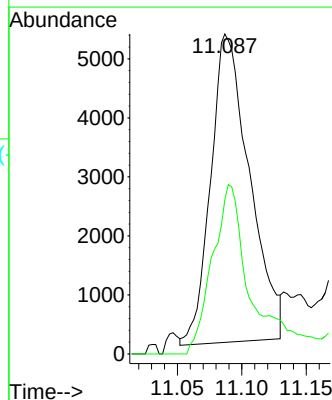
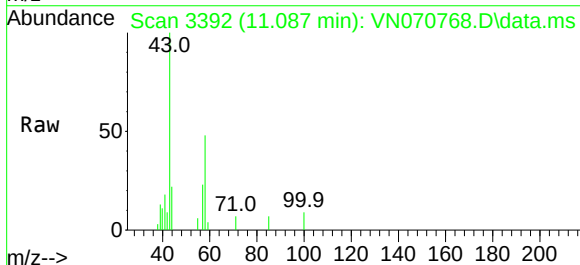
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

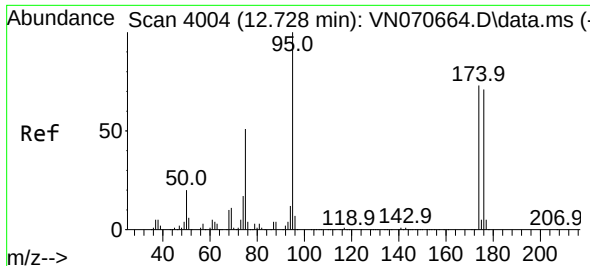
Tgt Ion: 69 Resp: 1206
Ion Ratio Lower Upper
69 100
41 76.8 51.4 77.0
39 29.2 34.6 52.0#



#59
2-Hexanone
Concen: 0.781 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

Tgt Ion: 43 Resp: 10973
Ion Ratio Lower Upper
43 100
58 55.4 26.9 80.7

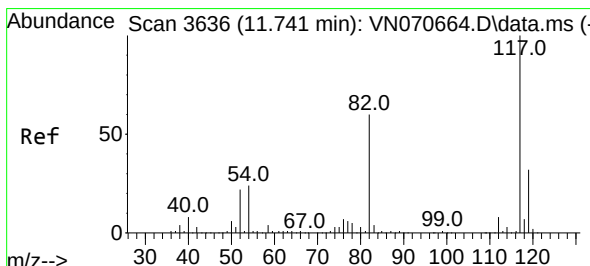
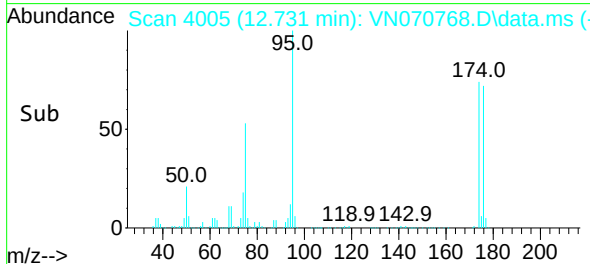
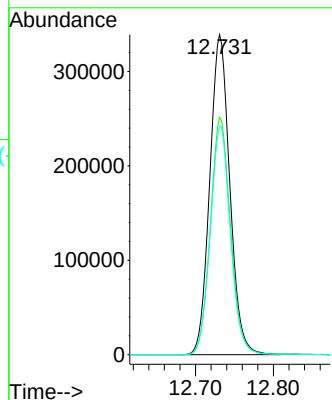
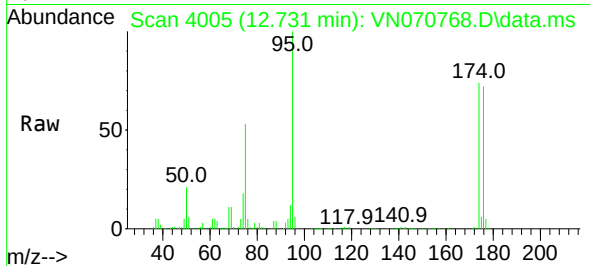




#62
4-Bromofluorobenzene
Concen: 45.416 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

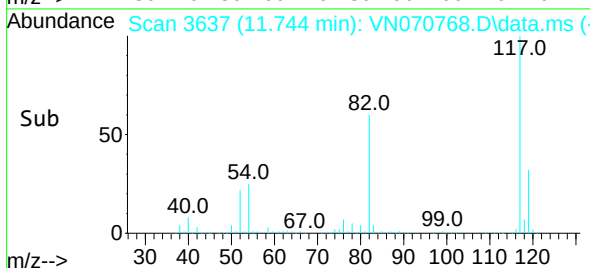
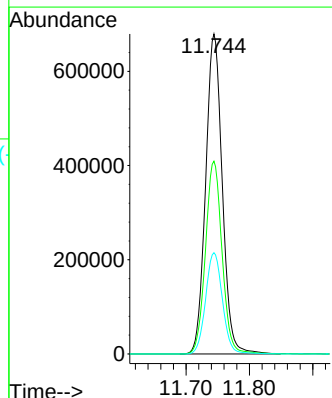
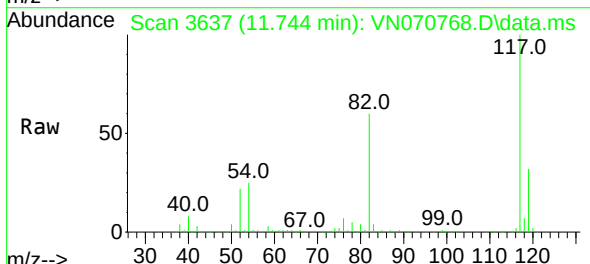
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

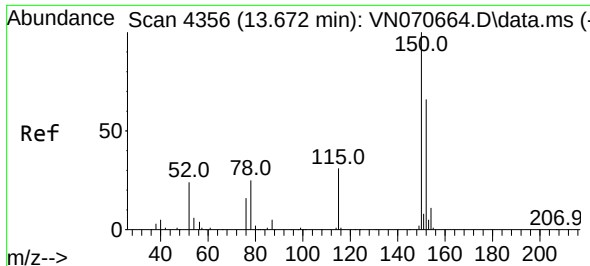
Tgt Ion: 95 Resp: 604991
Ion Ratio Lower Upper
95 100
174 74.7 0.0 187.2
176 71.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

Tgt Ion: 117 Resp: 1237696
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 31.7 25.4 38.2

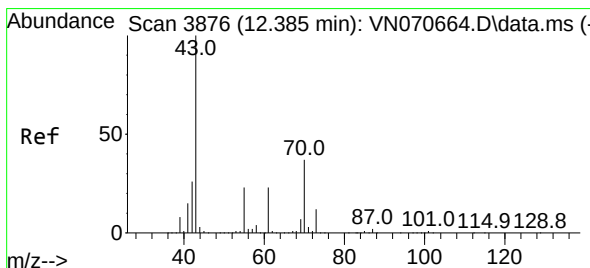
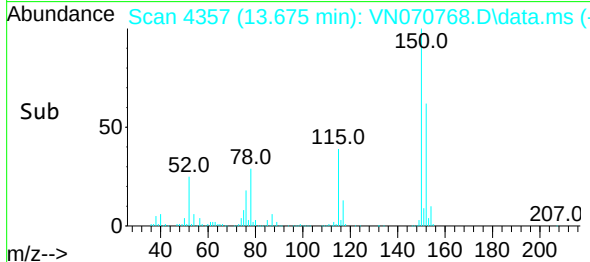
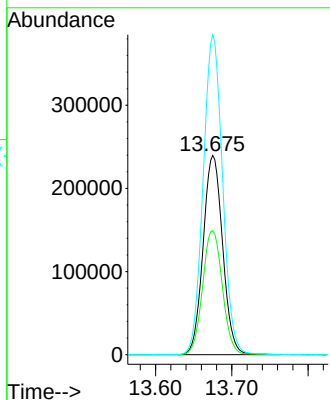
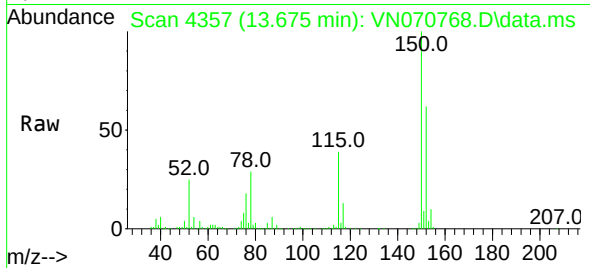




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070768.D
 Acq: 25 Jan 2022 11:54

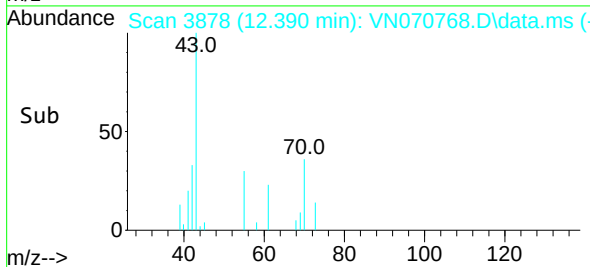
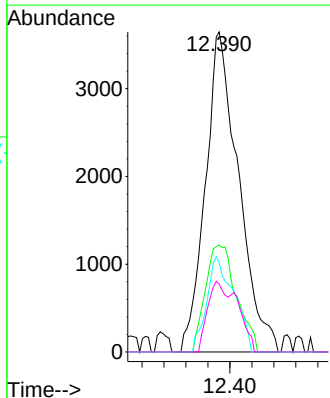
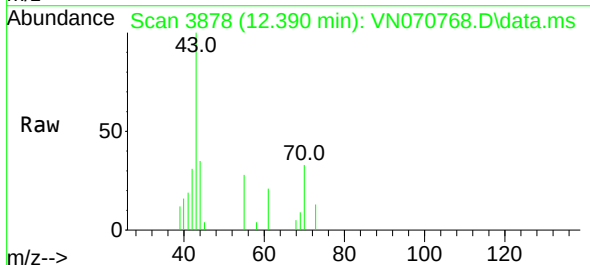
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0125MBL01

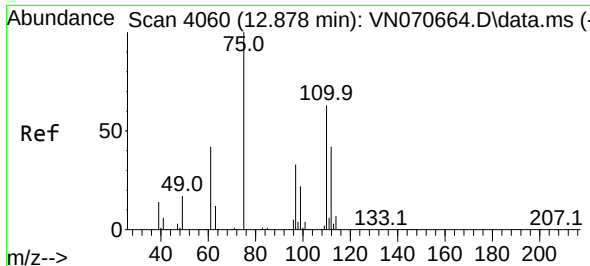
Tgt Ion:152 Resp: 426573
 Ion Ratio Lower Upper
 152 100
 115 63.1 27.5 82.5
 150 159.4 0.0 344.4



#74
 N-ethyl acetate
 Concen: 0.463 ug/l
 RT: 12.390 min Scan# 3878
 Delta R.T. 0.005 min
 Lab File: VN070768.D
 Acq: 25 Jan 2022 11:54

Tgt Ion: 43 Resp: 7640
 Ion Ratio Lower Upper
 43 100
 70 31.2 33.4 50.0#
 55 24.5 19.3 28.9
 61 12.5 18.5 27.7#

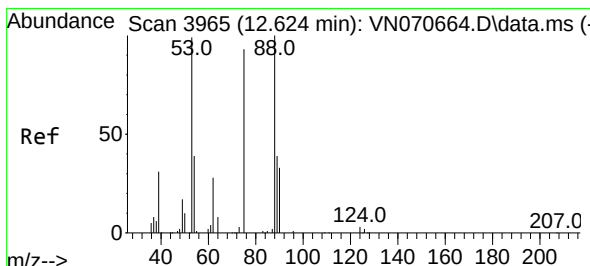
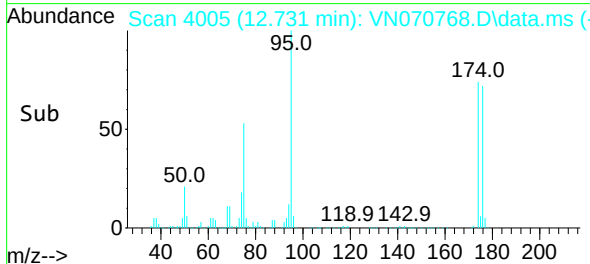
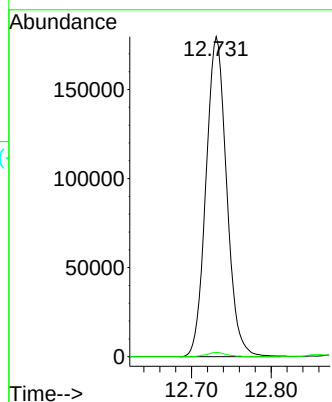
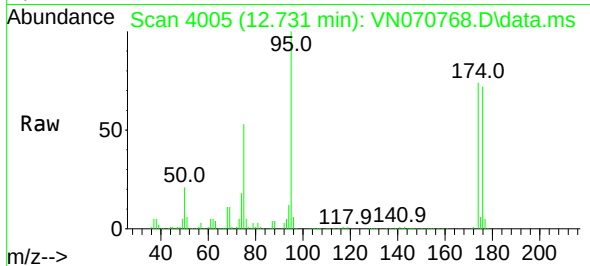




#76
1,2,3-Trichloropropane
Concen: 28.651 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

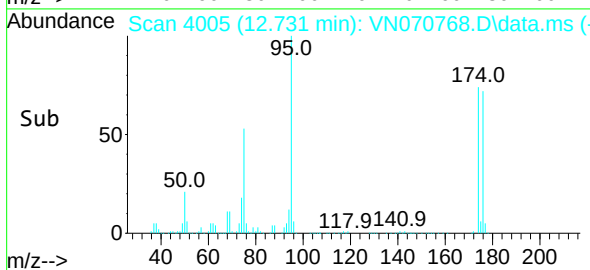
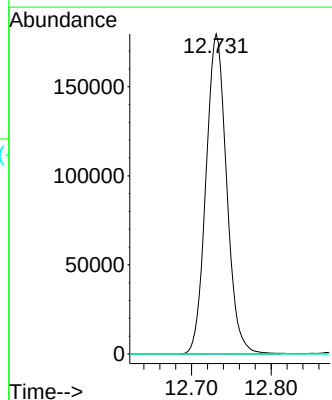
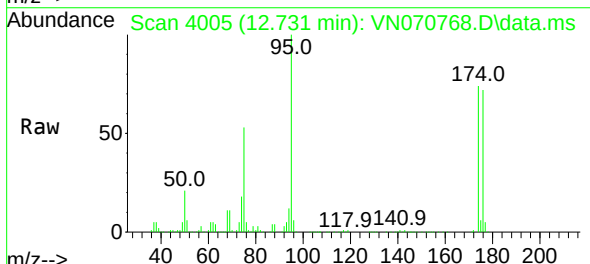
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

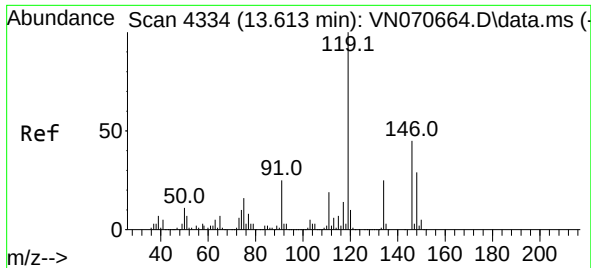
Tgt Ion: 75 Resp: 324154
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.356 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

Tgt Ion: 75 Resp: 324154
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

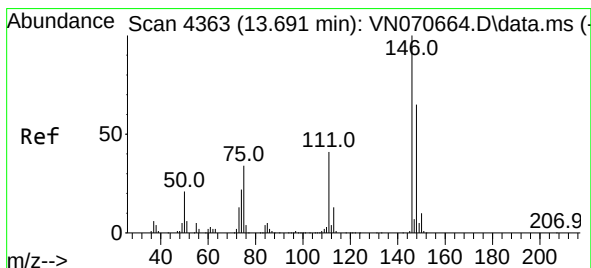
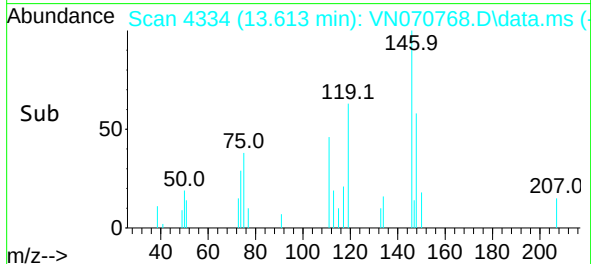
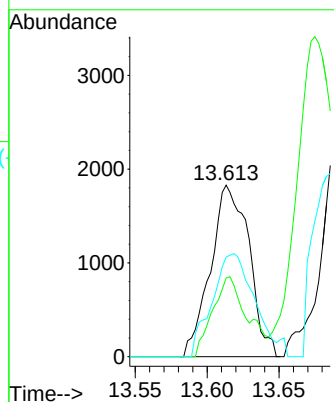
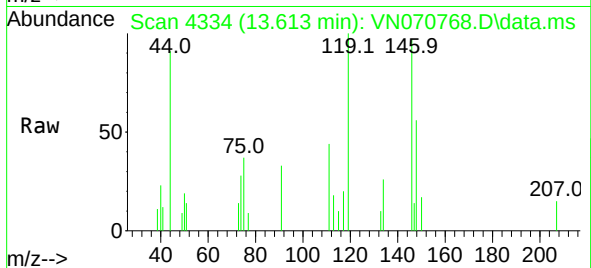




#87
1,3-Dichlorobenzene
Concen: 0.226 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. 0.000 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

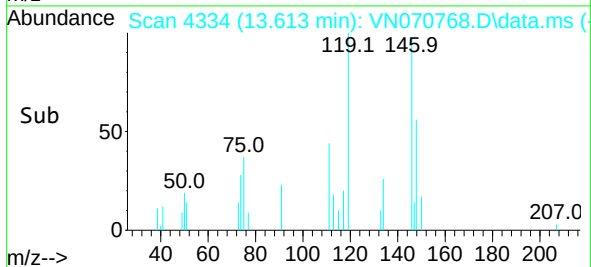
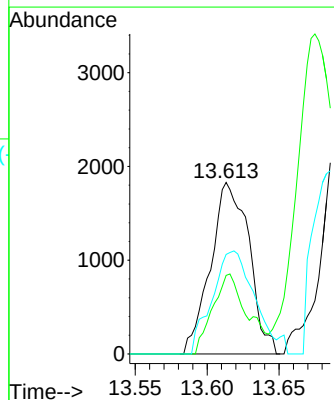
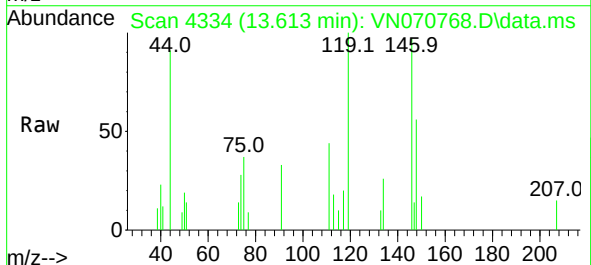
Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

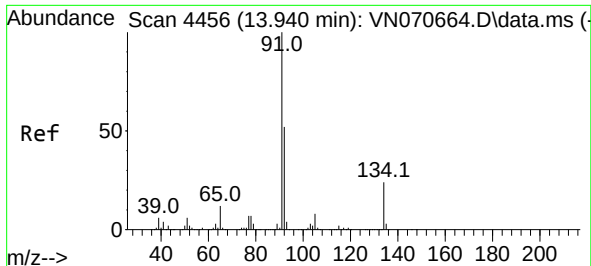
Tgt Ion:146 Resp: 3400
Ion Ratio Lower Upper
146 100
111 42.4 18.6 55.6
148 67.1 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 0.227 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.078 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

Tgt Ion:146 Resp: 3400
Ion Ratio Lower Upper
146 100
111 42.4 18.3 54.8
148 67.1 31.8 95.4





#89

n-Butylbenzene

Concen: 0.354 ug/l

RT: 13.943 min Scan# 4456

Delta R.T. 0.003 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0125MBL01

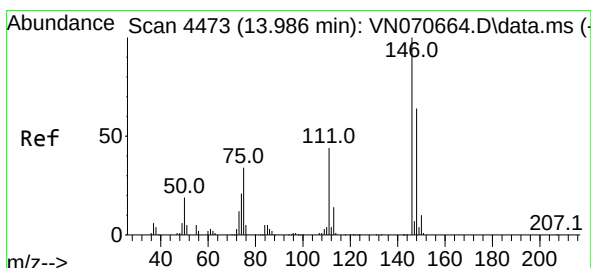
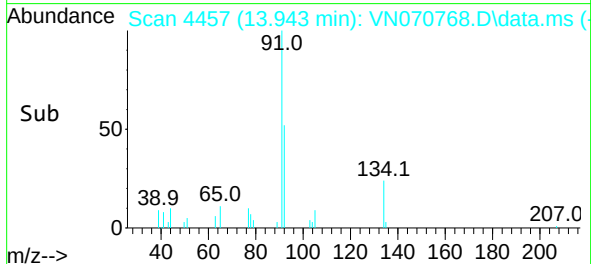
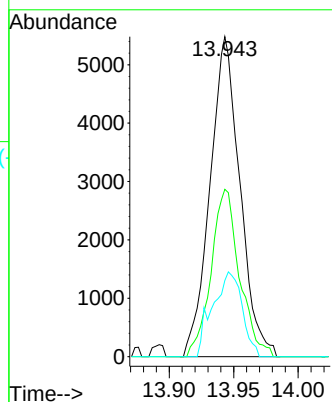
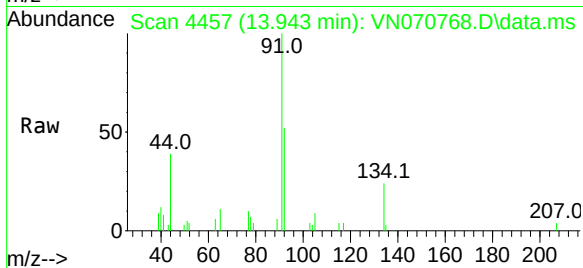
Tgt Ion: 91 Resp: 8848

Ion Ratio Lower Upper

91 100

92 49.7 25.4 76.0

134 26.0 13.6 40.8



#91

1,2-Dichlorobenzene

Concen: 0.251 ug/l

RT: 13.991 min Scan# 4475

Delta R.T. 0.005 min

Lab File: VN070768.D

Acq: 25 Jan 2022 11:54

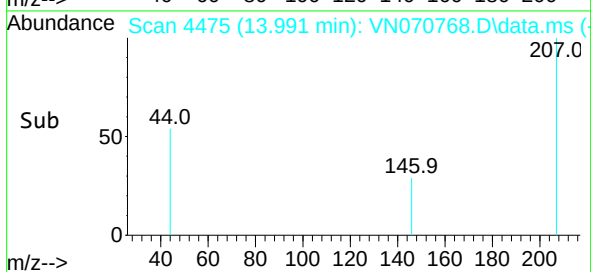
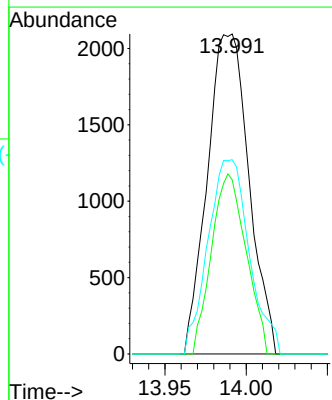
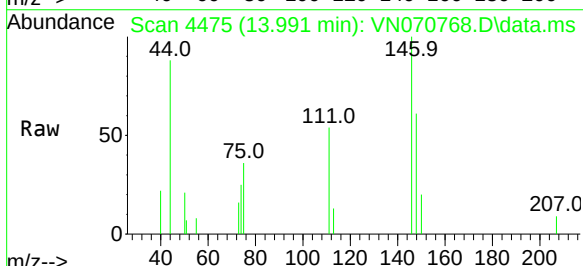
Tgt Ion: 146 Resp: 3728

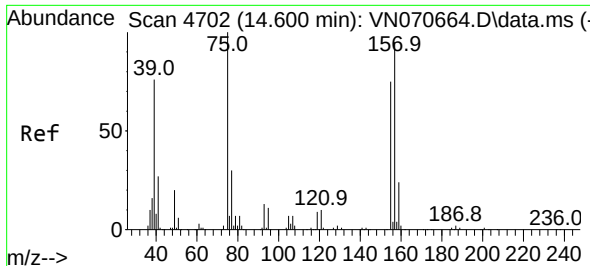
Ion Ratio Lower Upper

146 100

111 46.8 19.1 57.3

148 60.4 32.1 96.3

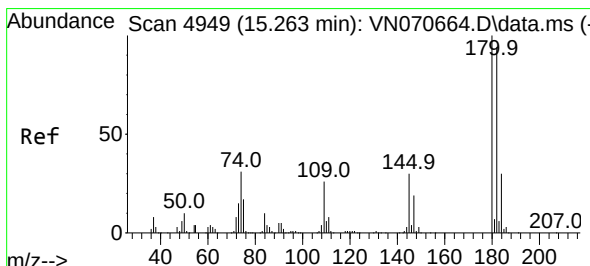
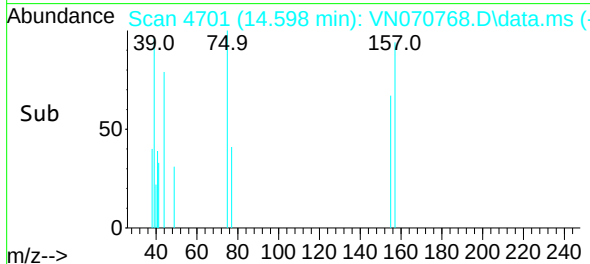
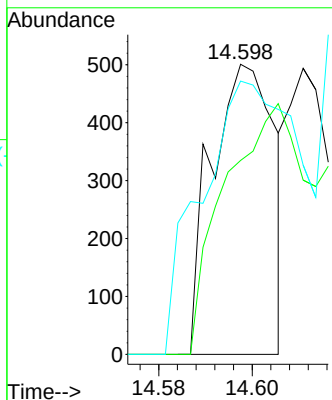
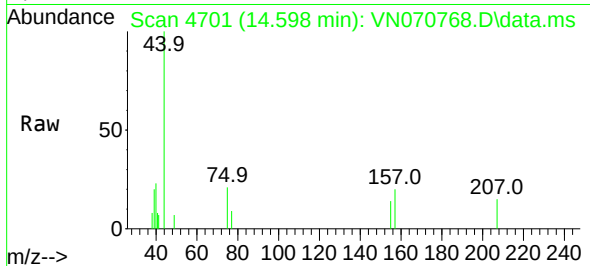




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.202 ug/l
 RT: 14.598 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: VN070768.D
 Acq: 25 Jan 2022 11:54

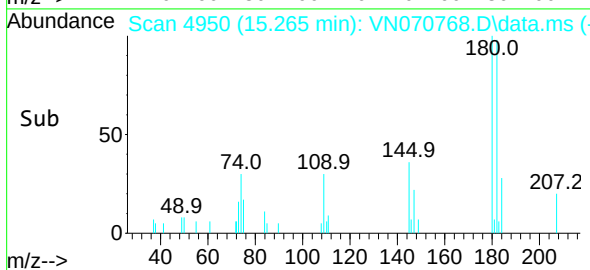
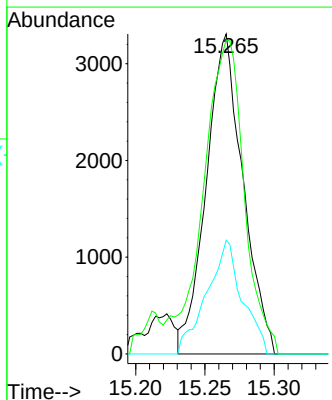
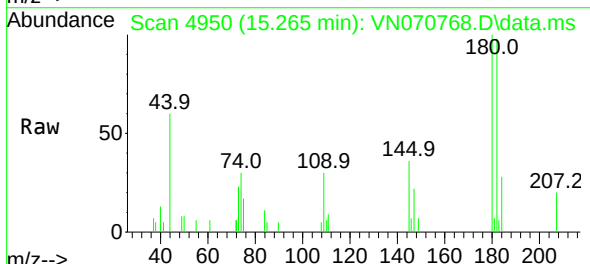
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0125MBL01

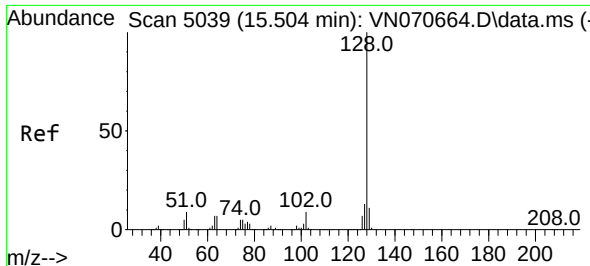
Tgt Ion: 75 Resp: 466
 Ion Ratio Lower Upper
 75 100
 155 147.0 46.9 140.7#
 157 148.1 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 4.144 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.002 min
 Lab File: VN070768.D
 Acq: 25 Jan 2022 11:54

Tgt Ion: 180 Resp: 6082
 Ion Ratio Lower Upper
 180 100
 182 110.5 48.3 144.9
 145 34.2 14.5 43.5

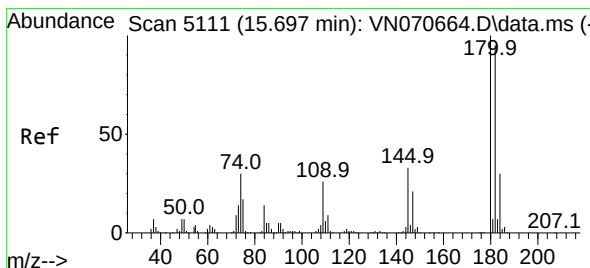
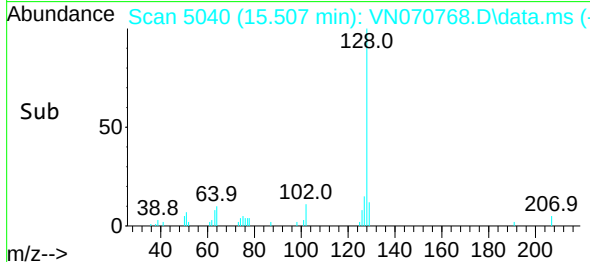
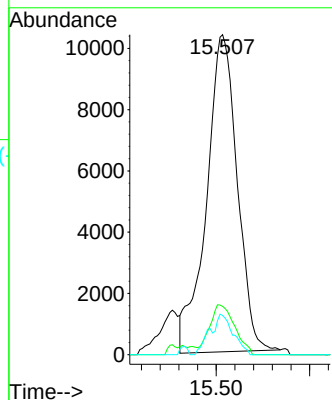
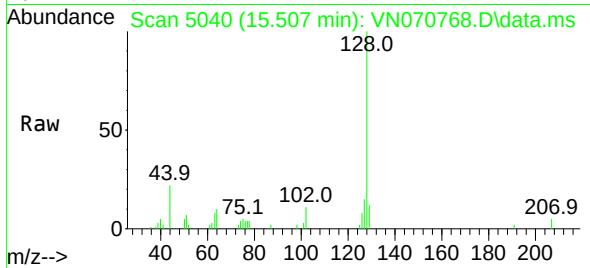




#95
Naphthalene
Concen: 5.914 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0125MBL01

Tgt Ion:128 Resp: 23705
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 7.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 4.160 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.008 min
Lab File: VN070768.D
Acq: 25 Jan 2022 11:54

Tgt Ion:180 Resp: 7604
Ion Ratio Lower Upper
180 100
182 109.4 47.4 142.2
145 35.3 15.0 45.1

