

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012622\
 Data File : VN070783.D
 Acq On : 26 Jan 2022 12:12
 Operator : JC/MD
 Sample : VN0126MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0126MBL01

Quant Time: Jan 27 03:31:23 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)

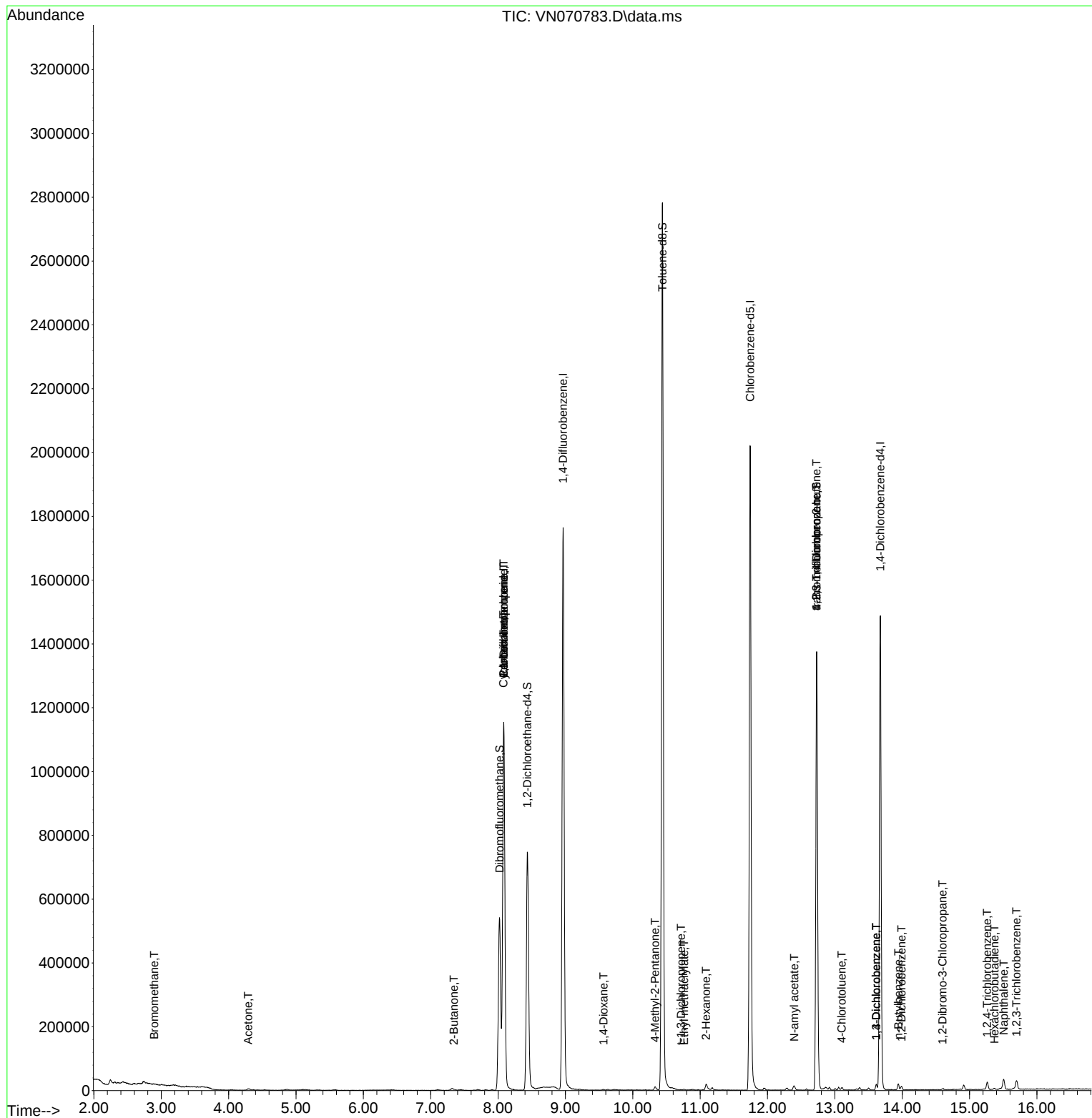
Internal Standards						
1) Pentafluorobenzene	8.083	168	865283	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	1527294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1188995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	409471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	636651	51.339	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 102.680%		
35) Dibromofluoromethane	8.021	113	405210	42.772	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 85.540%		
50) Toluene-d8	10.440	98	1957203	49.039	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 98.080%		
62) 4-Bromofluorobenzene	12.728	95	522875	36.765	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 73.540%		
Target Compounds						
						Qvalue
5) Bromomethane	2.896	94	2601	0.359	ug/l	97
16) Acetone	4.291	43	6359	0.739	ug/l	98
25) 2-Butanone	7.343	43	2584	0.239	ug/l	90
30) Chloroform	7.823	83	1277	Below Cal		91
31) Cyclohexane	8.080	56	20160	0.923	ug/l #	2
36) 1,1-Dichloropropene	8.083	75	70665	4.431	ug/l #	50
38) Carbon Tetrachloride	8.083	117	88066	6.207	ug/l #	16
49) 1,4-Dioxane	9.563	88	119	0.514	ug/l #	77
51) 4-Methyl-2-Pentanone	10.330	43	9018	0.437	ug/l	94
53) t-1,3-Dichloropropene	10.714	75	740	2.440	ug/l #	81
56) Ethyl methacrylate	10.762	69	1419	2.363	ug/l #	59
59) 2-Hexanone	11.087	43	18505	1.234	ug/l	92
74) N-amyl acetate	12.395	43	10850	0.685	ug/l	92
76) 1,2,3-Trichloropropane	12.728	75	281926	25.959	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	281926	77.338	ug/l #	5
82) 4-Chlorotoluene	13.103	91	6122	0.239	ug/l	89
87) 1,3-Dichlorobenzene	13.616	146	4720	0.327	ug/l	89
88) 1,4-Dichlorobenzene	13.616	146	4720	0.328	ug/l	90
89) n-Butylbenzene	13.943	91	11167	0.465	ug/l	95
91) 1,2-Dichlorobenzene	13.989	146	5296	0.371	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.597	75	1361	0.613	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.262	180	9040	4.538	ug/l	94
94) Hexachlorobutadiene	15.370	225	974	0.230	ug/l	84
95) Naphthalene	15.507	128	30402	6.239	ug/l	96
96) 1,2,3-Trichlorobenzene	15.694	180	13588	4.974	ug/l	86

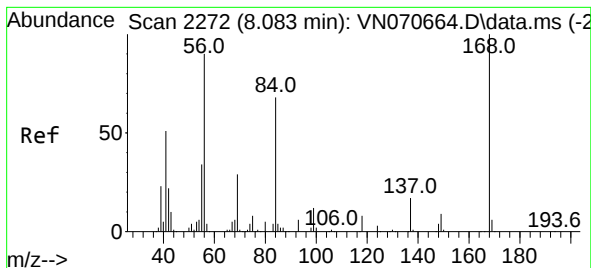
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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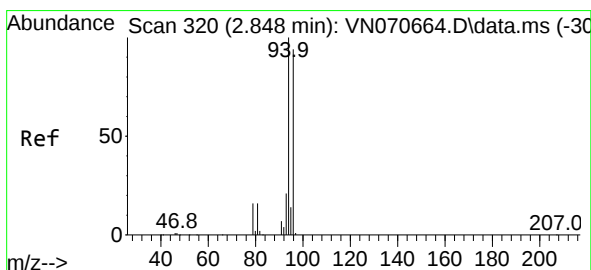
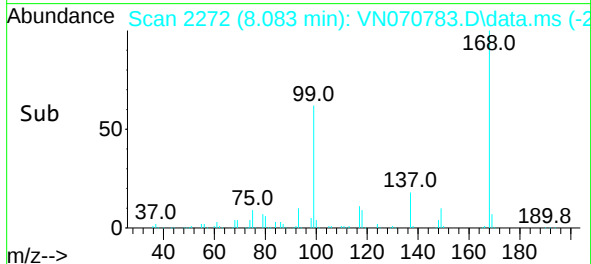
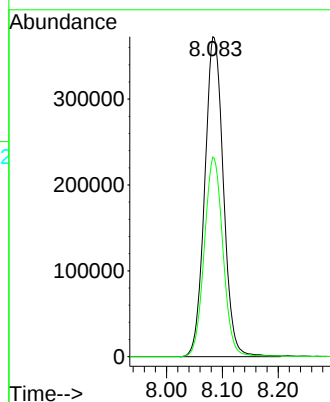
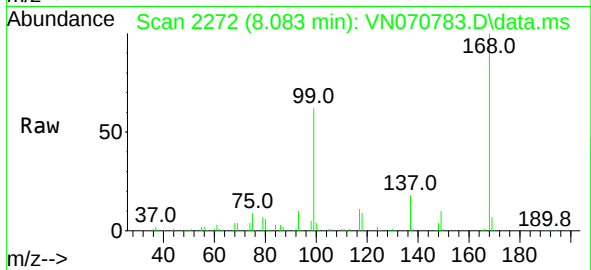




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

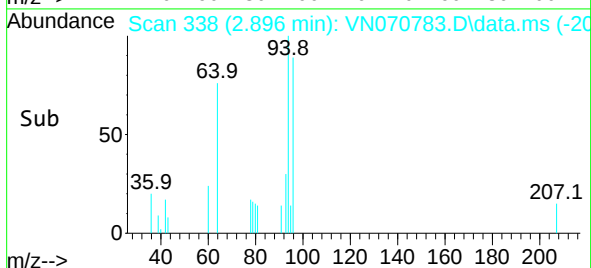
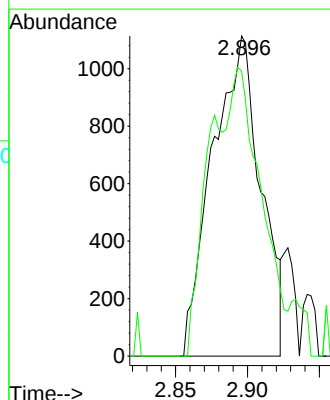
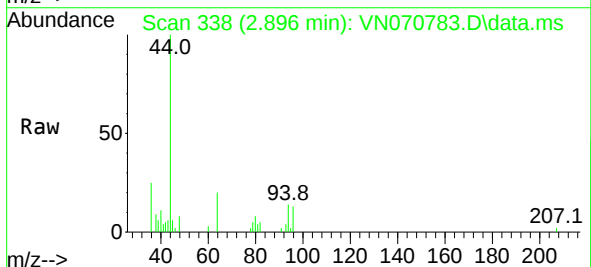
Instrument :
MSVOA_N
ClientSampleId :
VN0126MBL01

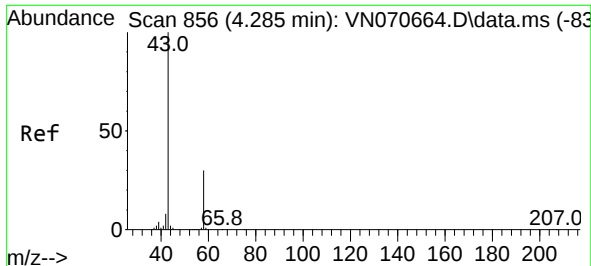
Tgt Ion:168 Resp: 865283
Ion Ratio Lower Upper
168 100
99 62.4 41.3 61.9#



#5
Bromomethane
Concen: 0.359 ug/l
RT: 2.896 min Scan# 338
Delta R.T. 0.048 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion: 94 Resp: 2601
Ion Ratio Lower Upper
94 100
96 89.0 73.8 110.8

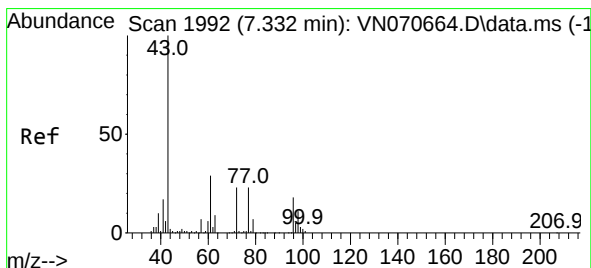
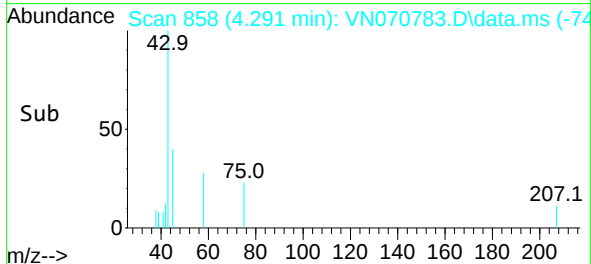
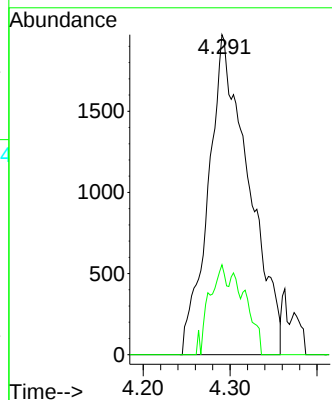
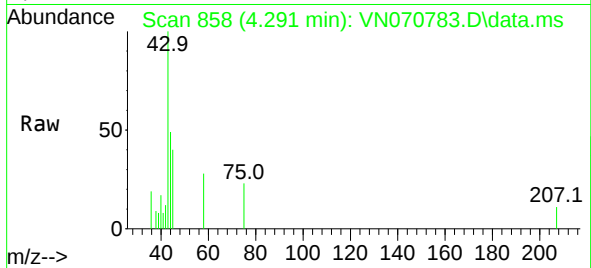




#16
Acetone
Concen: 0.739 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

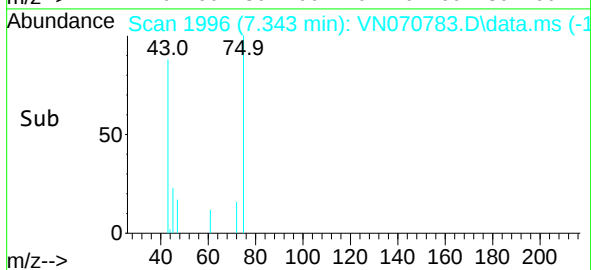
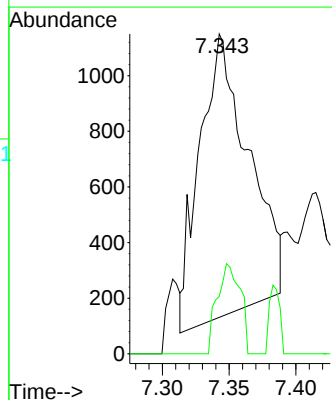
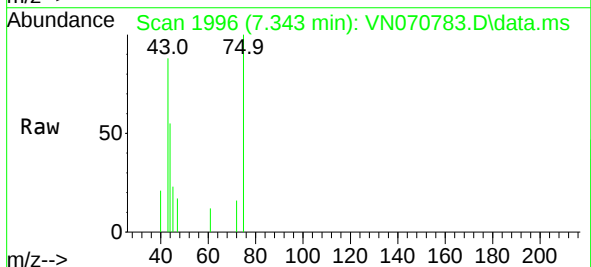
Instrument :
MSVOA_N
ClientSampleId :
VN0126MBL01

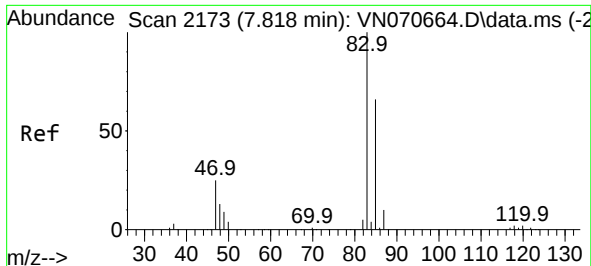
Tgt Ion: 43 Resp: 6359
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7



#25
2-Butanone
Concen: 0.239 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
72 22.1 21.7 32.5





#30

Chloroform

Concen: Below Cal

RT: 7.823 min Scan# 2175

Delta R.T. 0.005 min

Lab File: VN070783.D

Acq: 26 Jan 2022 12:12

Instrument :

MSVOA_N

ClientSampleId :

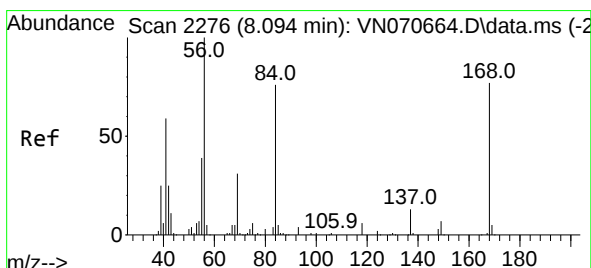
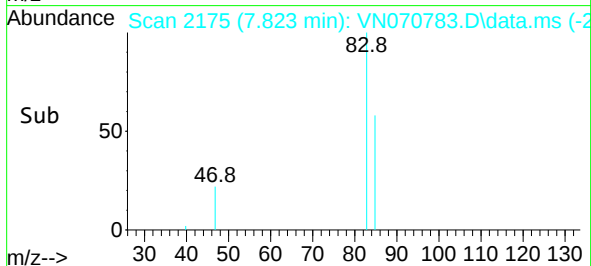
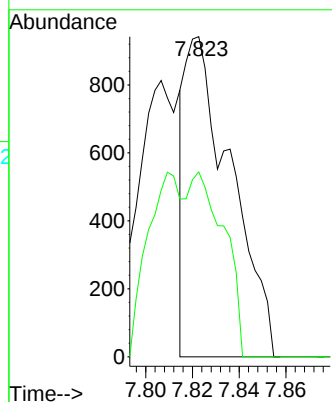
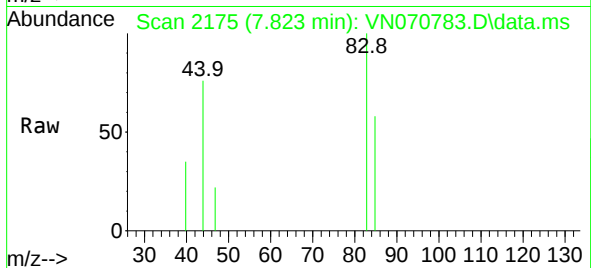
VN0126MBL01

Tgt Ion: 83 Resp: 1277

Ion Ratio Lower Upper

83 100

85 57.7 51.9 77.9



#31

Cyclohexane

Concen: 0.923 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.014 min

Lab File: VN070783.D

Acq: 26 Jan 2022 12:12

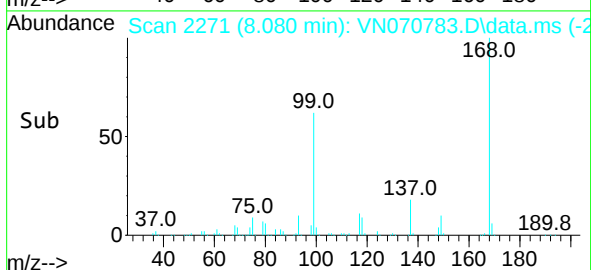
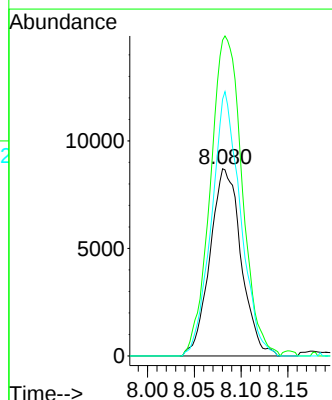
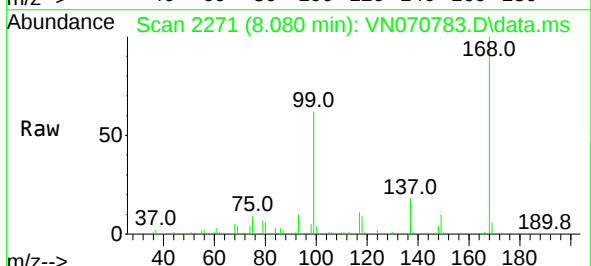
Tgt Ion: 56 Resp: 20160

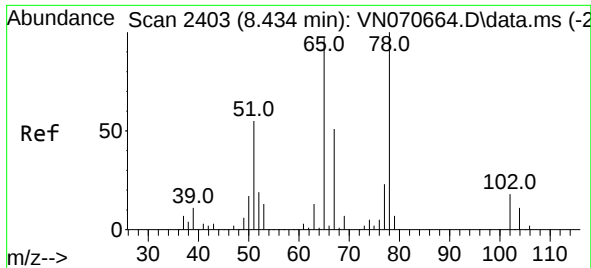
Ion Ratio Lower Upper

56 100

69 168.7 27.1 40.7#

84 137.2 73.4 110.0#

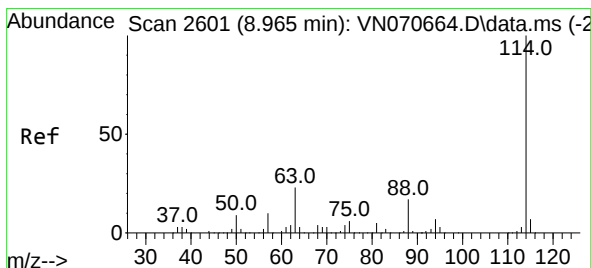
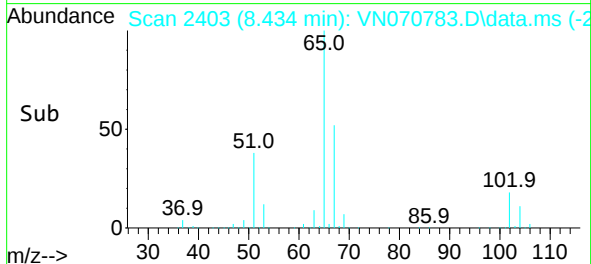
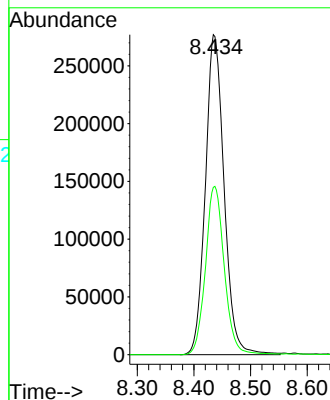
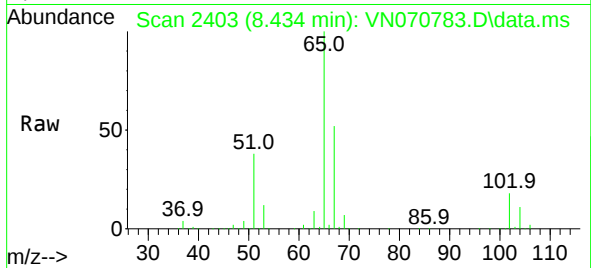




#33
 1,2-Dichloroethane-d4
 Concen: 51.339 ug/l
 RT: 8.434 min Scan# 2403
 Delta R.T. 0.000 min
 Lab File: VN070783.D
 Acq: 26 Jan 2022 12:12

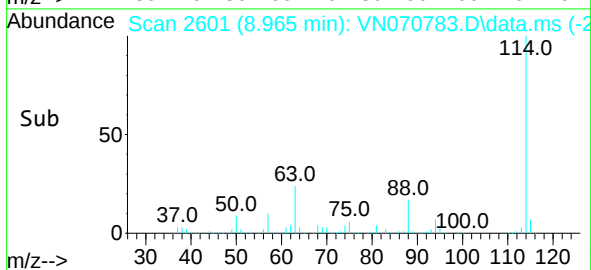
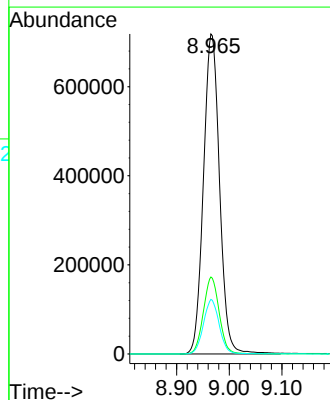
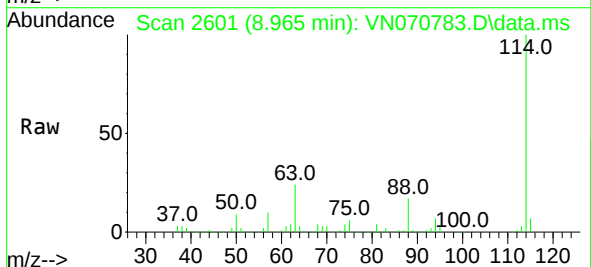
Instrument :
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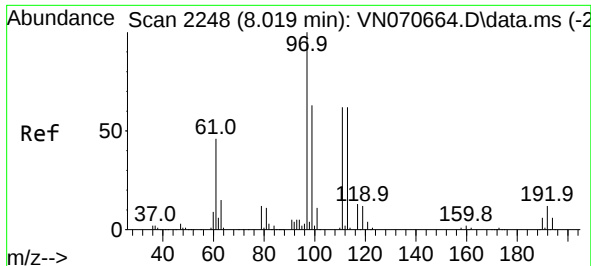
Tgt Ion: 65 Resp: 636651
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. 0.000 min
 Lab File: VN070783.D
 Acq: 26 Jan 2022 12:12

Tgt Ion: 114 Resp: 1527294
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 37.8
 88 17.0 0.0 27.4





#35

Dibromofluoromethane

Concen: 42.772 ug/l

RT: 8.021 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070783.D

Acq: 26 Jan 2022 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0126MBL01

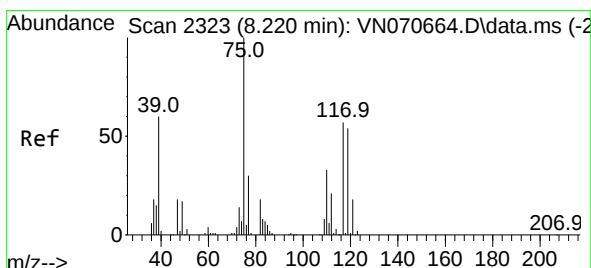
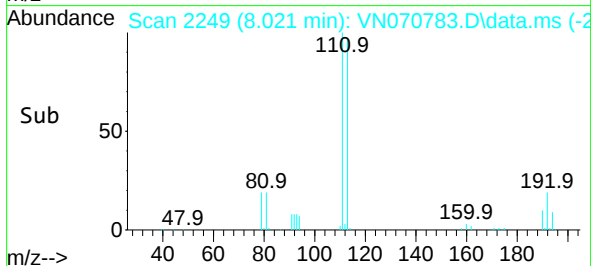
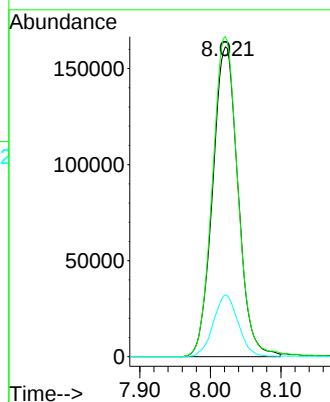
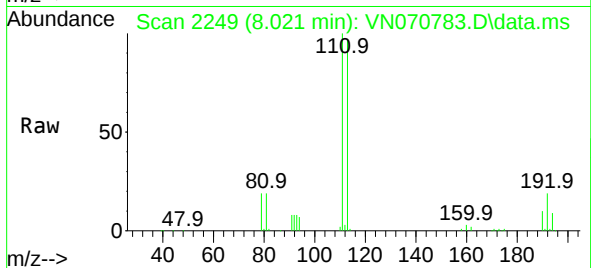
Tgt Ion:113 Resp: 405210

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.431 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.137 min

Lab File: VN070783.D

Acq: 26 Jan 2022 12:12

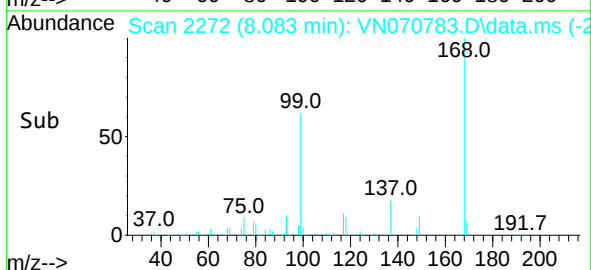
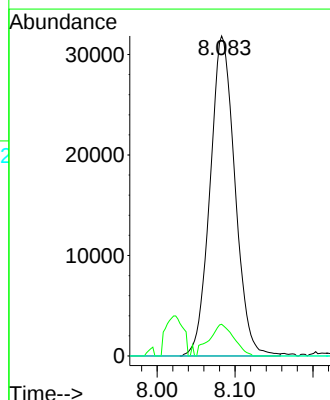
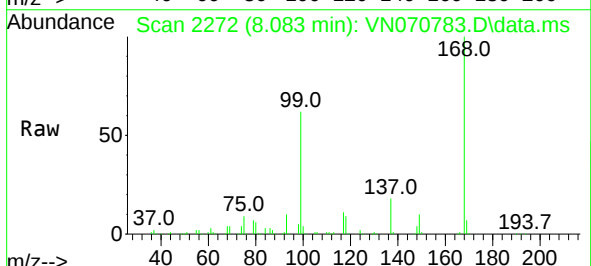
Tgt Ion: 75 Resp: 70665

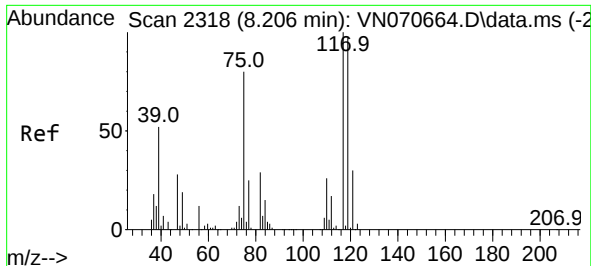
Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 24.4 36.6#

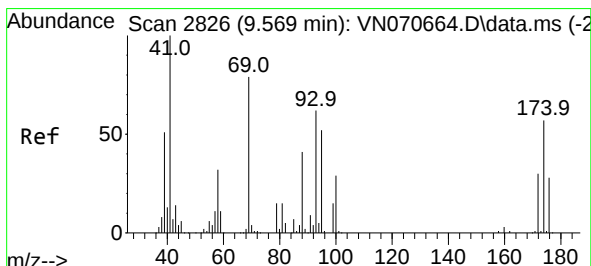
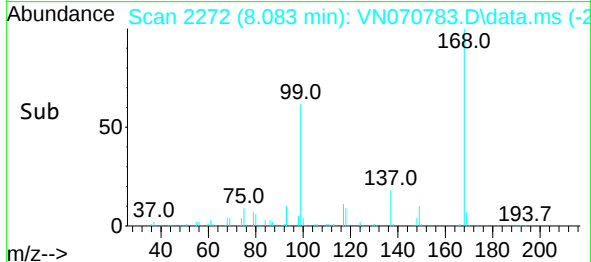
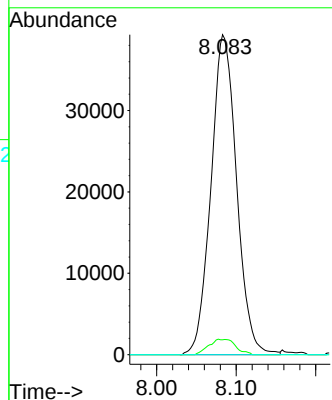
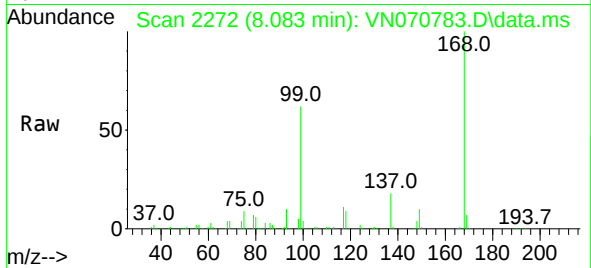




#38
Carbon Tetrachloride
Concen: 6.207 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

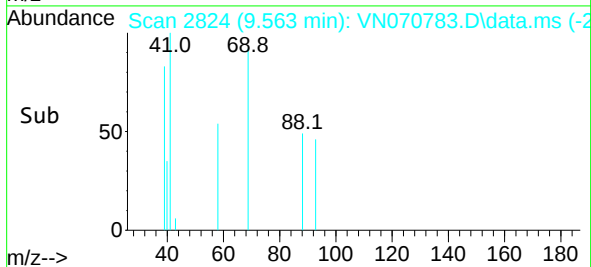
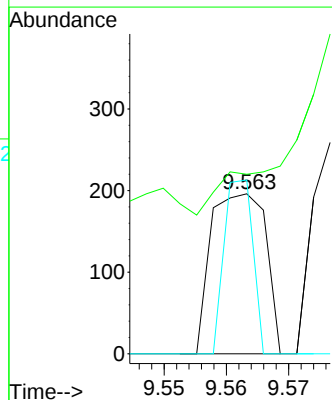
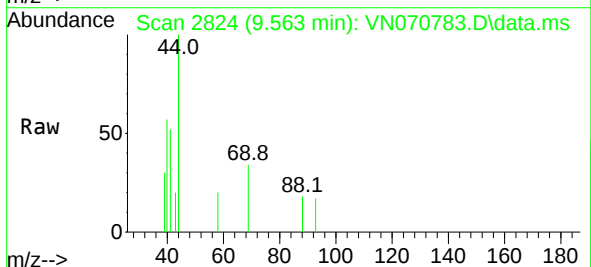
Instrument :
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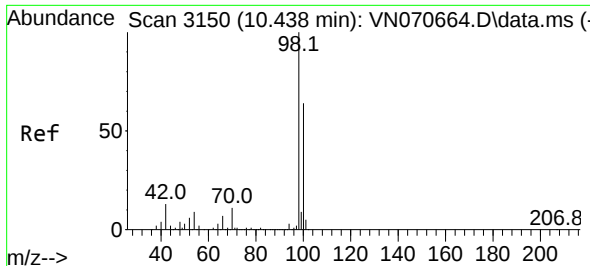
Tgt Ion:117 Resp: 88066
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.514 ug/l
RT: 9.563 min Scan# 2824
Delta R.T. -0.006 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 57.1 50.6 75.8

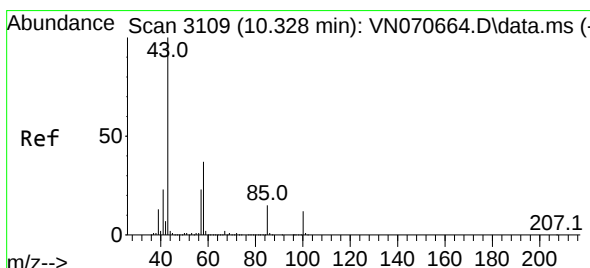
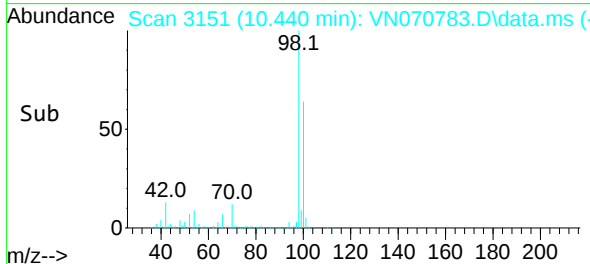
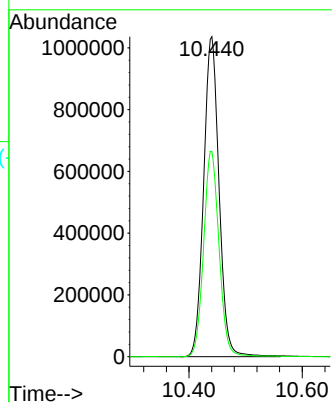
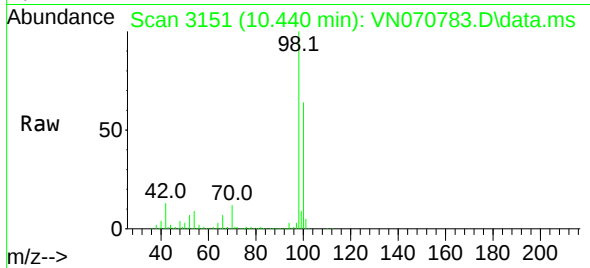




#50
Toluene-d8
Concen: 49.039 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

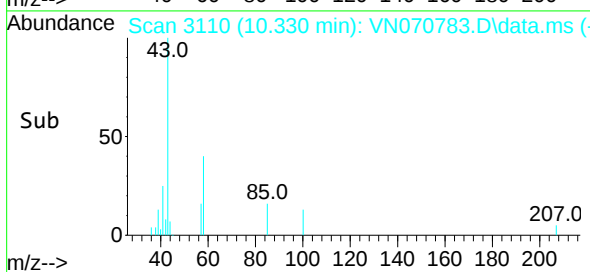
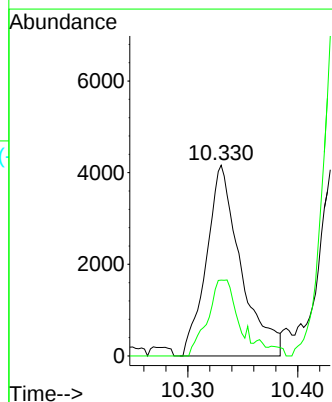
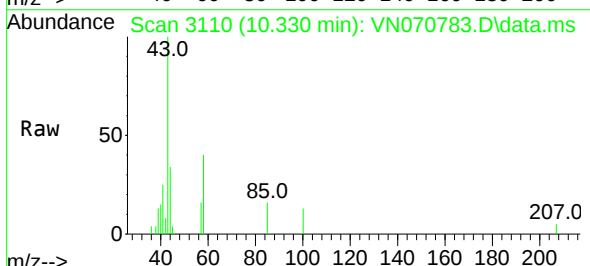
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VN0126MBL01

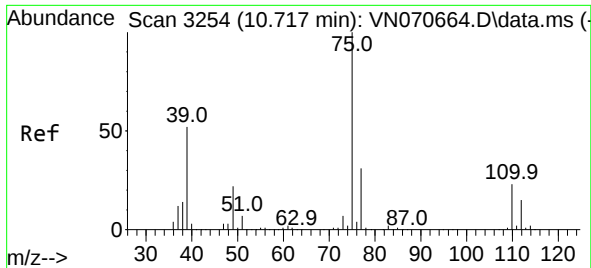
Tgt Ion: 98 Resp: 1957203
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.437 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion: 43 Resp: 9018
Ion Ratio Lower Upper
43 100
58 34.4 30.4 45.6

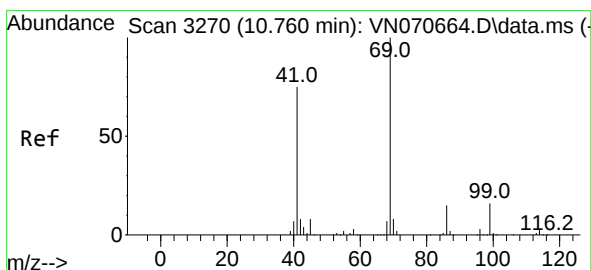
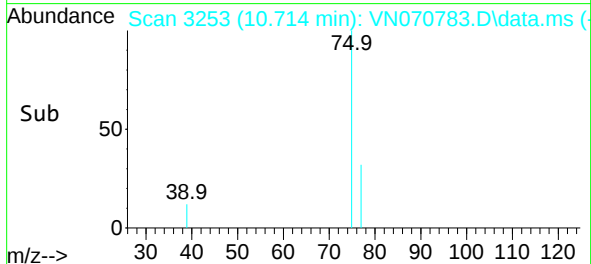
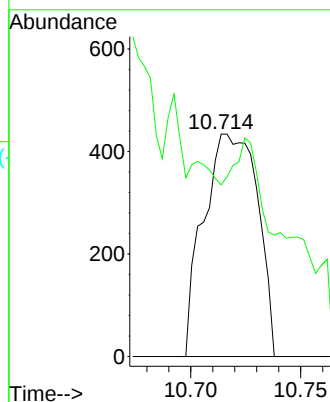
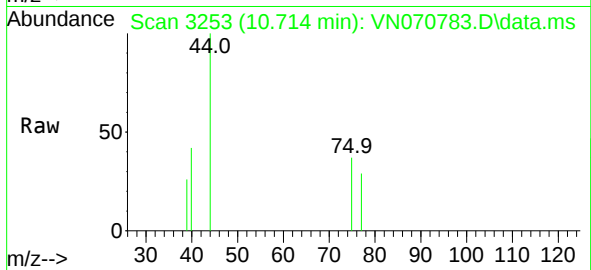




#53
t-1,3-Dichloropropene
Concen: 2.440 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.003 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

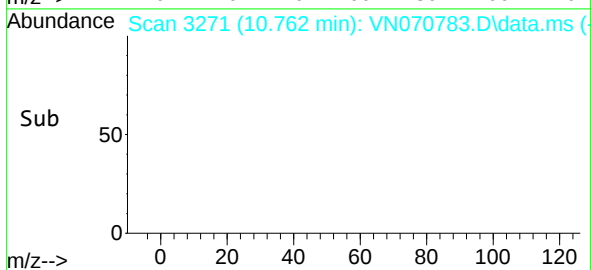
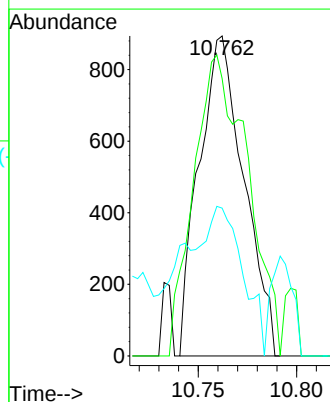
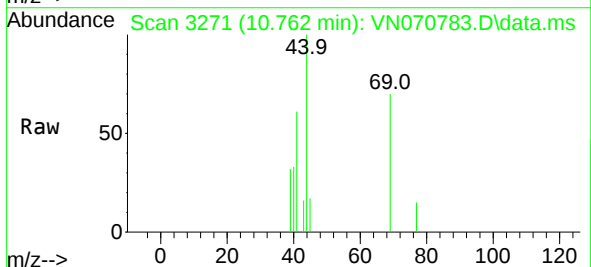
Instrument : MSVOA_N
ClientSampleId : VN0126MBL01

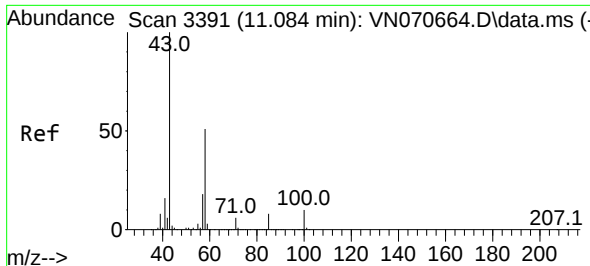
Tgt Ion: 75 Resp: 740
Ion Ratio Lower Upper
75 100
77 21.4 25.6 38.4#



#56
Ethyl methacrylate
Concen: 2.363 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.002 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion: 69 Resp: 1419
Ion Ratio Lower Upper
69 100
41 112.9 51.4 77.0#
39 37.1 34.6 52.0

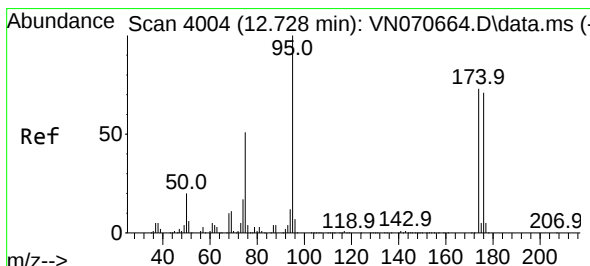
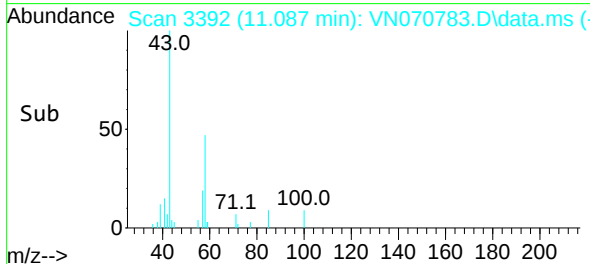
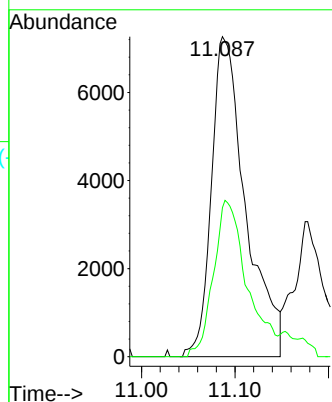
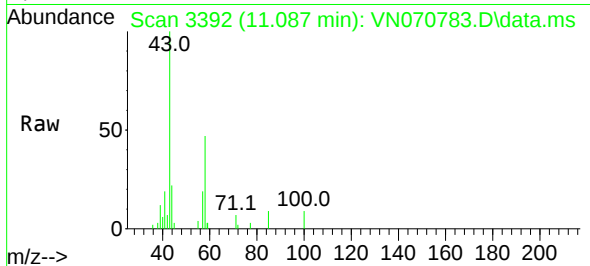




#59
2-Hexanone
Concen: 1.234 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

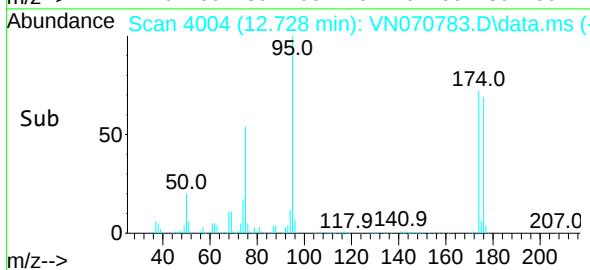
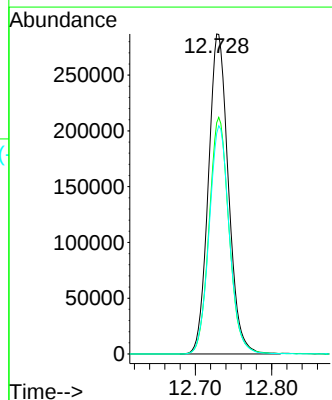
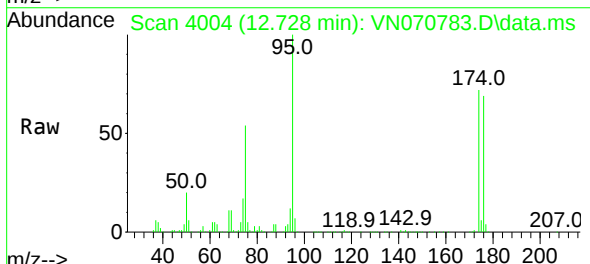
Instrument :
MSVOA_N
ClientSampleId :
VN0126MBL01

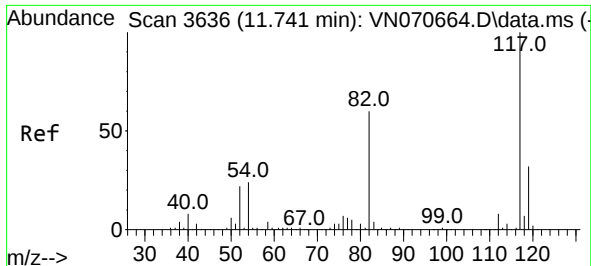
Tgt Ion: 43 Resp: 18505
Ion Ratio Lower Upper
43 100
58 48.0 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 36.765 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.000 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion: 95 Resp: 522875
Ion Ratio Lower Upper
95 100
174 73.5 0.0 187.2
176 72.0 0.0 181.4

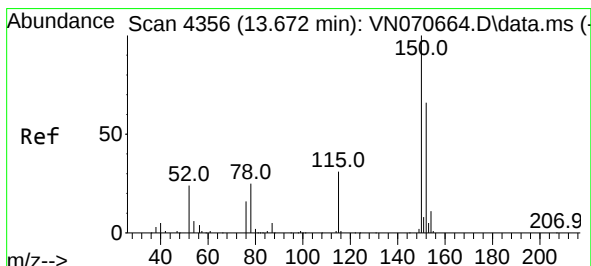
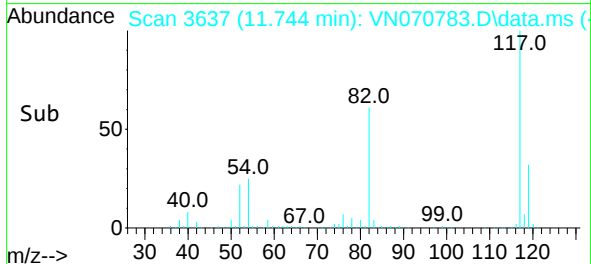
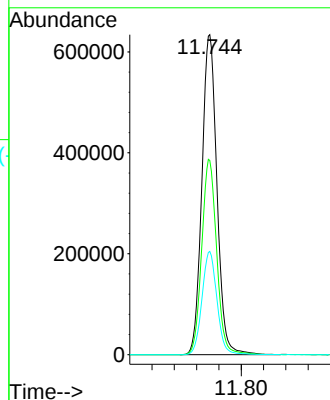
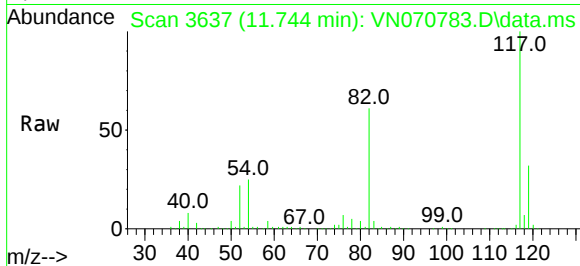




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

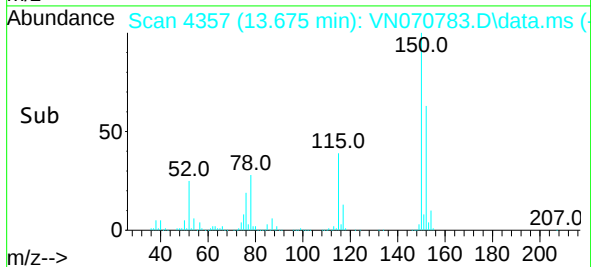
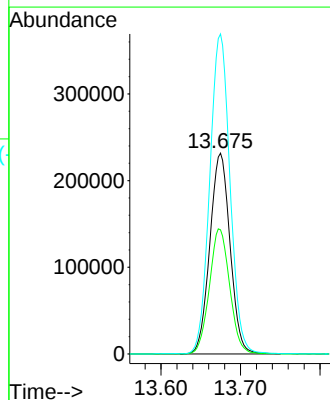
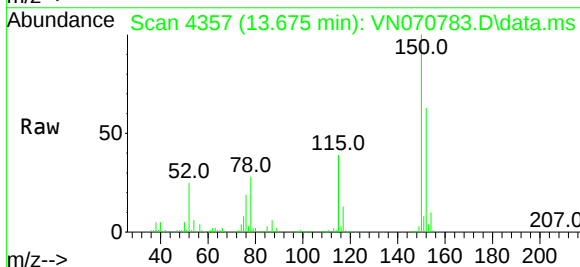
Instrument :
MSVOA_N
ClientSampleId :
VN0126MBL01

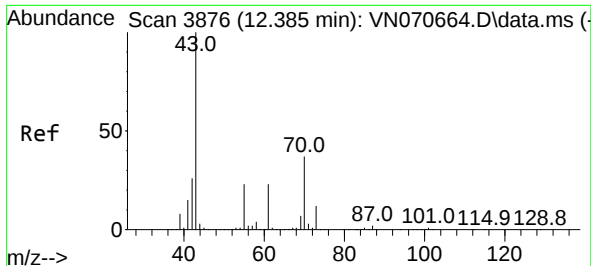
Tgt Ion:117 Resp: 1188995
Ion Ratio Lower Upper
117 100
82 60.7 42.4 63.6
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion:152 Resp: 409471
Ion Ratio Lower Upper
152 100
115 62.2 27.5 82.5
150 158.9 0.0 344.4

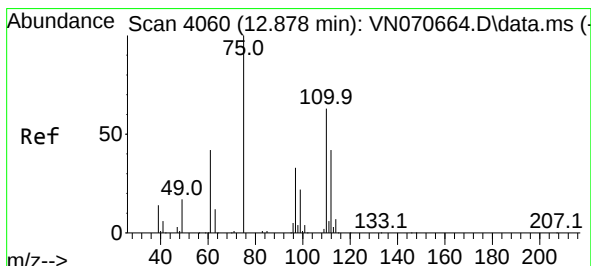
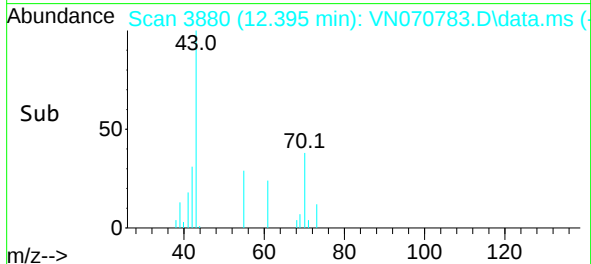
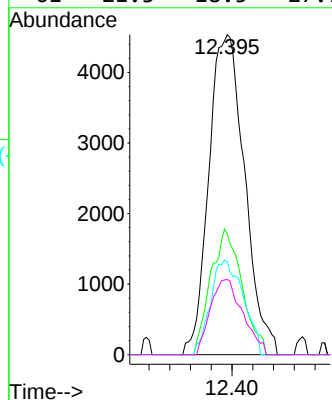
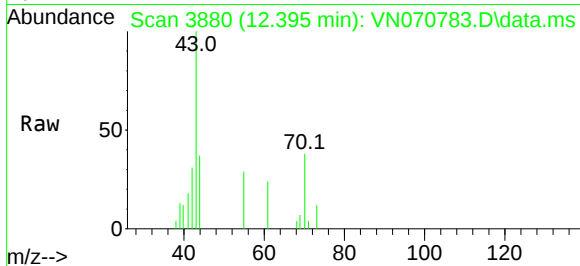




#74
N-amy1 acetate
Concen: 0.685 ug/l
RT: 12.395 min Scan# 3876
Delta R.T. 0.010 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

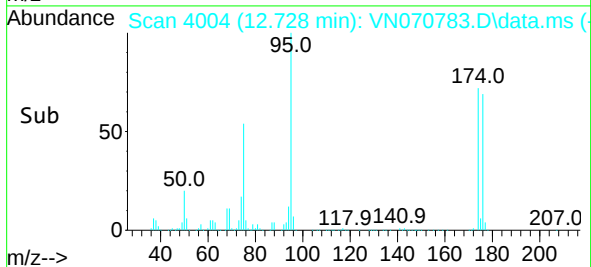
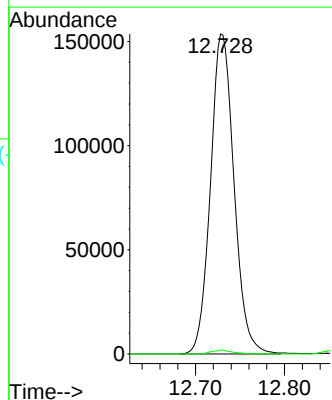
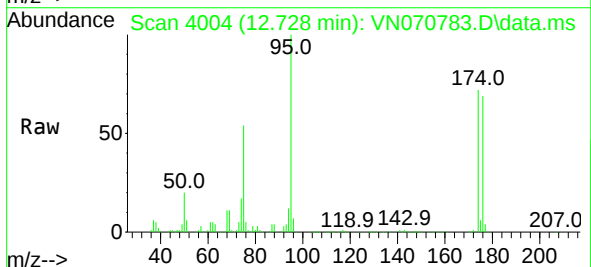
Instrument :
MSVOA_N
ClientSampleId :
VN0126MBL01

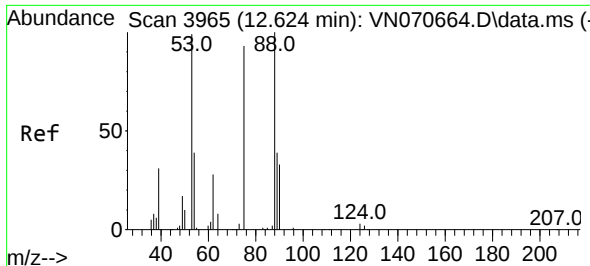
Tgt Ion: 43	Resp: 10850
Ion Ratio	Lower Upper
43 100	
70 34.4	33.4 50.0
55 27.0	19.3 28.9
61 21.3	18.5 27.7



#76
1,2,3-Trichloropropane
Concen: 25.959 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion: 75	Resp: 281926
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

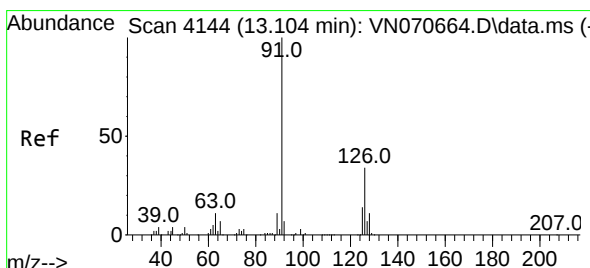
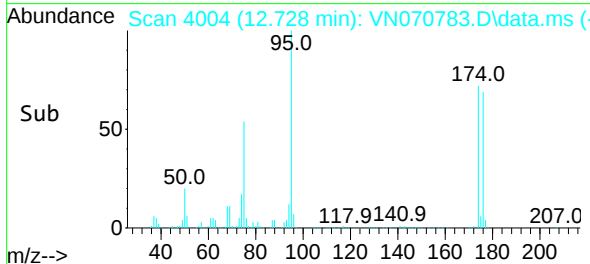
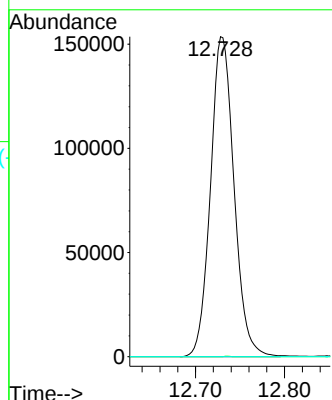
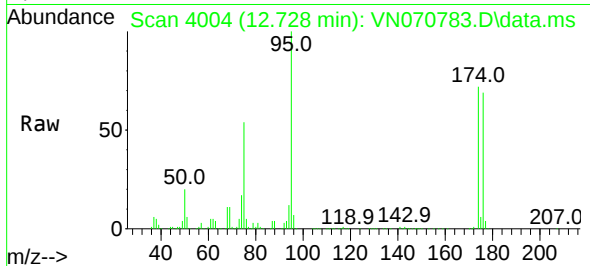




#81
trans-1,4-Dichloro-2-butene
Concen: 77.338 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

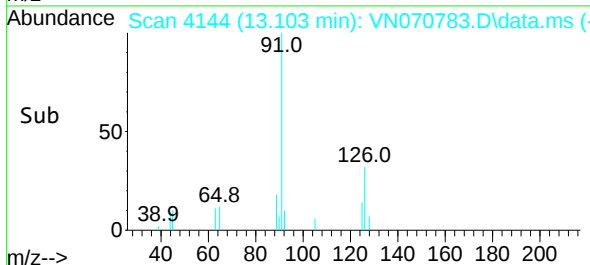
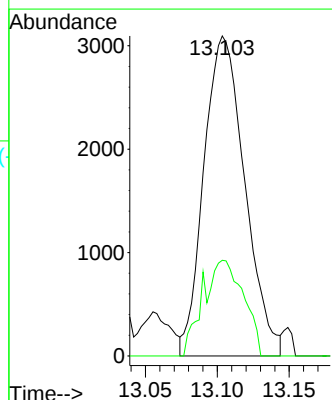
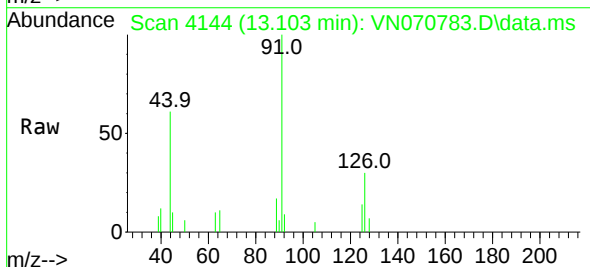
Instrument :
MSVOA_N
ClientSampleId :
VN0126MBL01

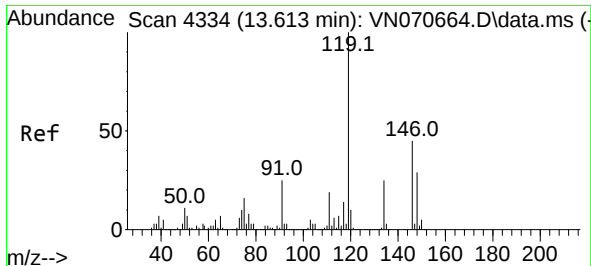
Tgt Ion: 75 Resp: 281926
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 0.239 ug/l
RT: 13.103 min Scan# 4144
Delta R.T. -0.001 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion: 91 Resp: 6122
Ion Ratio Lower Upper
91 100
126 29.6 18.2 54.6





#87

1,3-Dichlorobenzene

Concen: 0.327 ug/l

RT: 13.616 min Scan# 4334

Delta R.T. 0.003 min

Lab File: VN070783.D

Acq: 26 Jan 2022 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0126MBL01

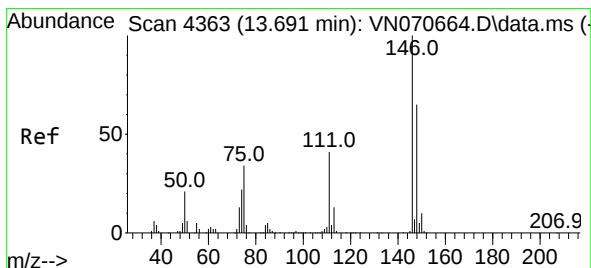
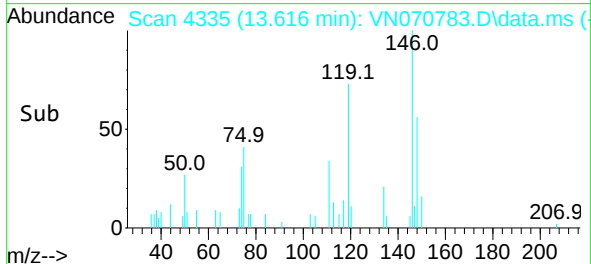
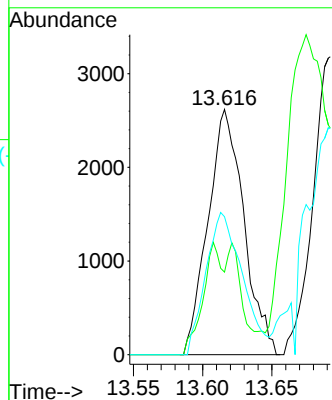
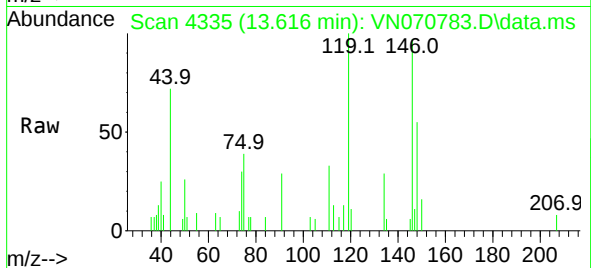
Tgt Ion:146 Resp: 4720

Ion Ratio Lower Upper

146 100

111 25.4 18.6 55.6

148 59.2 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.328 ug/l

RT: 13.616 min Scan# 4335

Delta R.T. -0.075 min

Lab File: VN070783.D

Acq: 26 Jan 2022 12:12

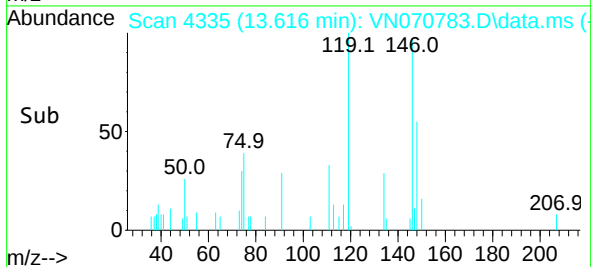
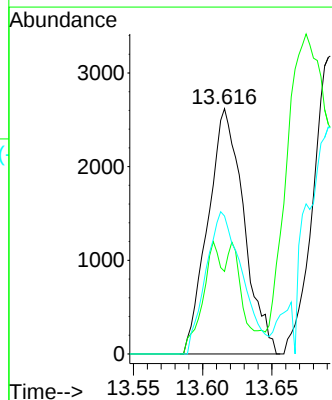
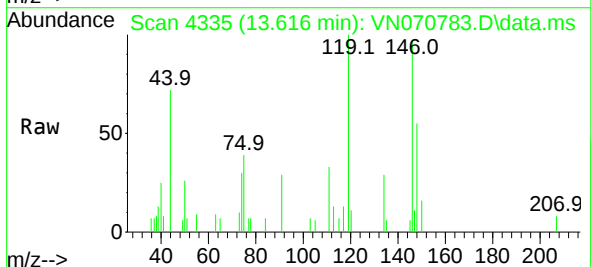
Tgt Ion:146 Resp: 4720

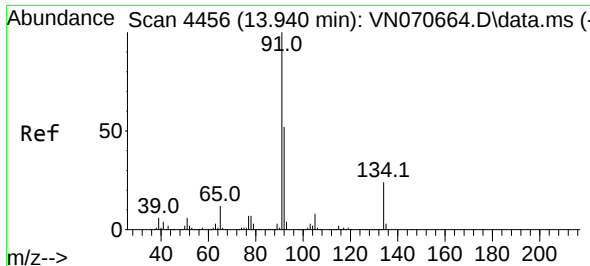
Ion Ratio Lower Upper

146 100

111 25.4 18.3 54.8

148 59.2 31.8 95.4

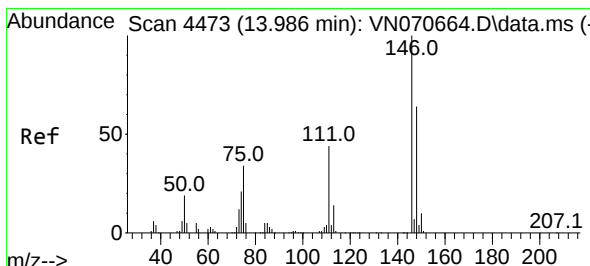
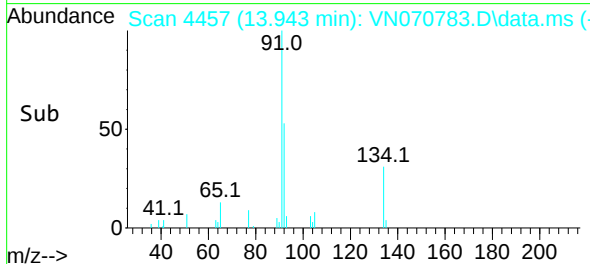
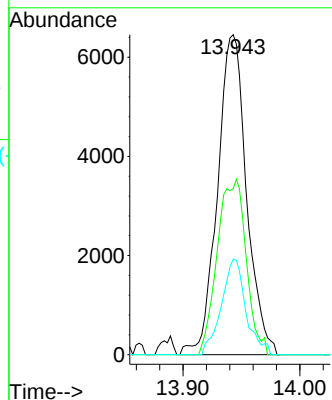
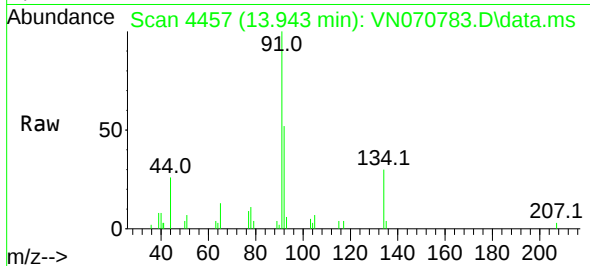




#89
n-Butylbenzene
Concen: 0.465 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

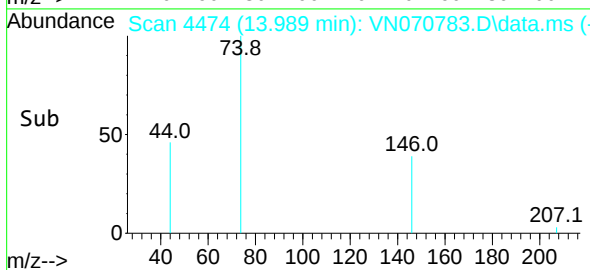
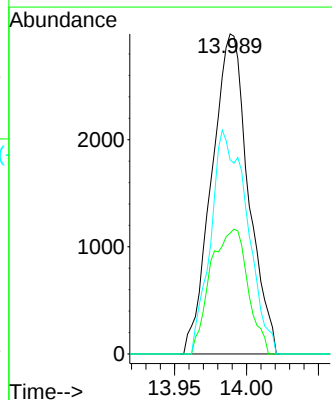
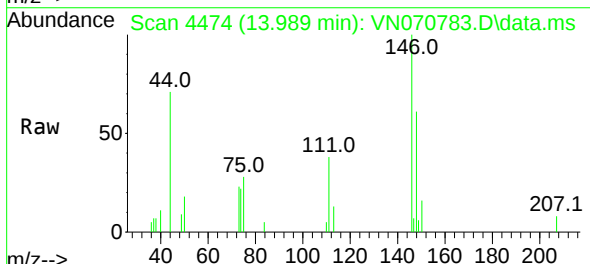
Instrument :
MSVOA_N
ClientSampleId :
VN0126MBL01

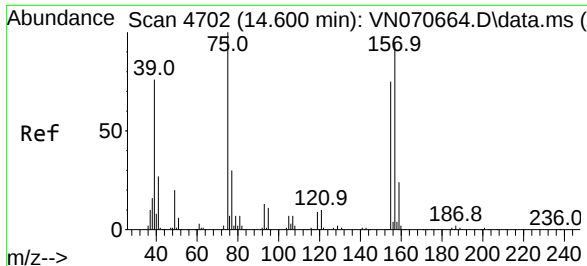
Tgt Ion:	91	Resp:	11167
Ion	Ratio	Lower	Upper
91	100		
92	54.3	25.4	76.0
134	25.2	13.6	40.8



#91
1,2-Dichlorobenzene
Concen: 0.371 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.003 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion:	146	Resp:	5296
Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.3
148	69.5	32.1	96.3

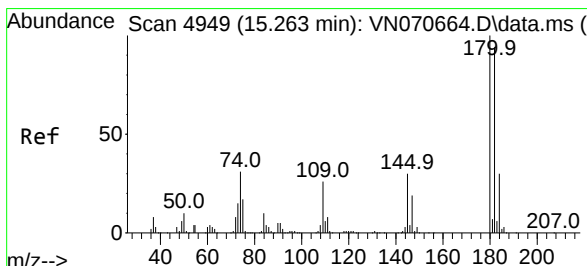
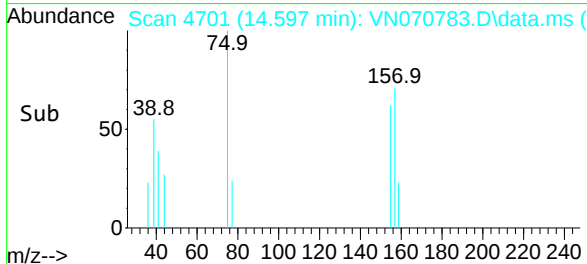
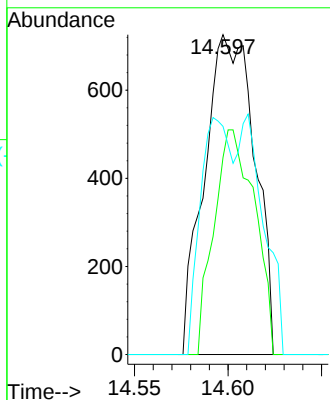
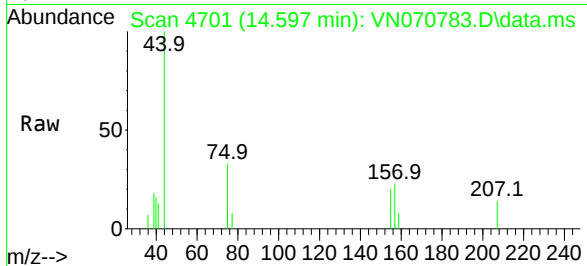




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.613 ug/l
 RT: 14.597 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070783.D
 Acq: 26 Jan 2022 12:12

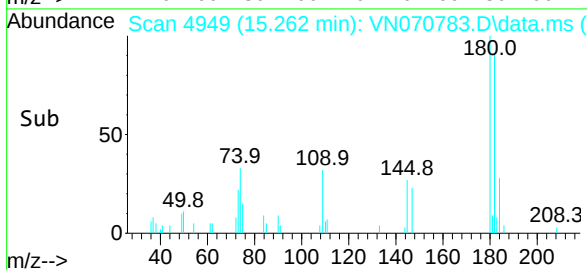
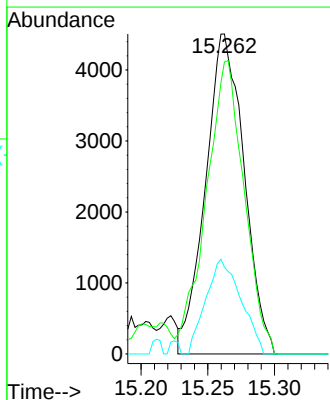
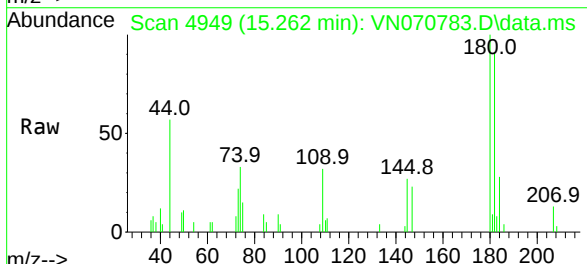
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0126MBL01

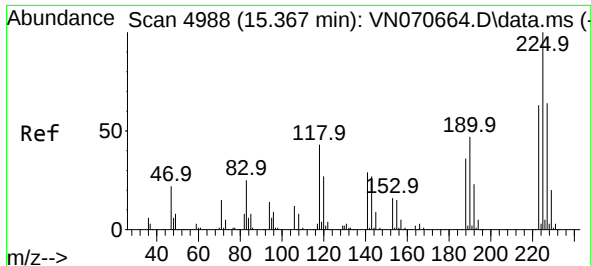
Tgt Ion: 75 Resp: 1361
 Ion Ratio Lower Upper
 75 100
 155 56.7 46.9 140.7
 157 45.8 60.6 181.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.538 ug/l
 RT: 15.262 min Scan# 4949
 Delta R.T. -0.001 min
 Lab File: VN070783.D
 Acq: 26 Jan 2022 12:12

Tgt Ion:180 Resp: 9040
 Ion Ratio Lower Upper
 180 100
 182 90.6 48.3 144.9
 145 27.0 14.5 43.5

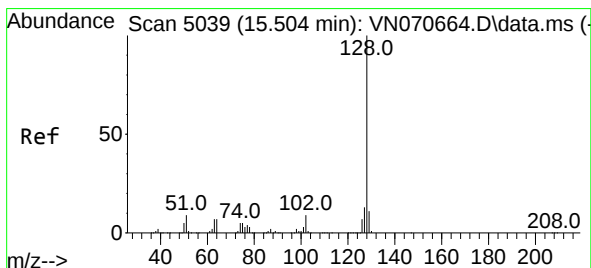
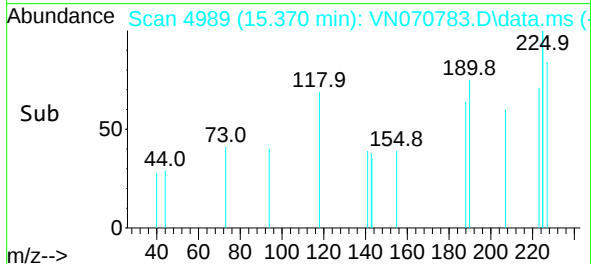
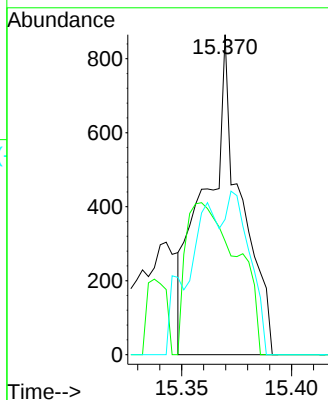
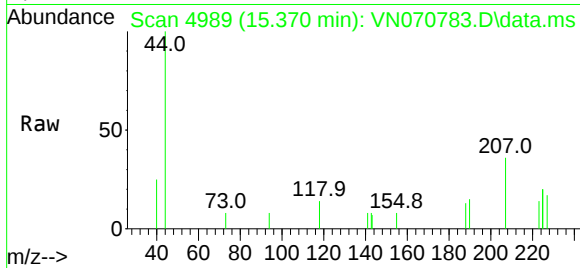




#94
Hexachlorobutadiene
Concen: 0.230 ug/l
RT: 15.370 min Scan# 4988
Delta R.T. 0.003 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

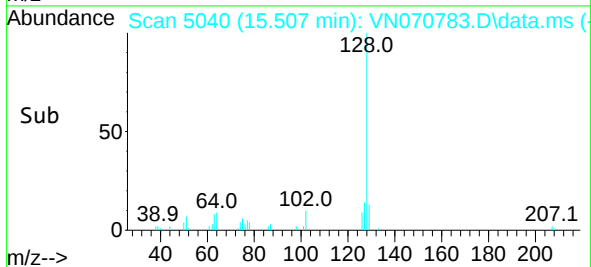
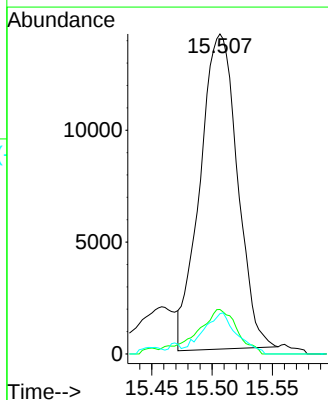
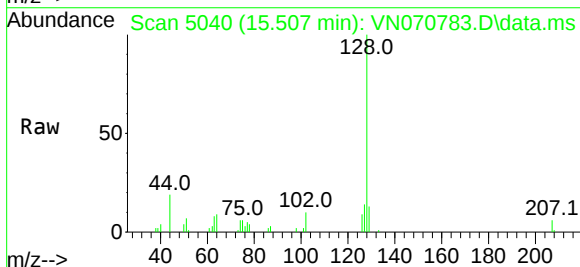
Instrument :
MSVOA_N
ClientSampleId :
VN0126MBL01

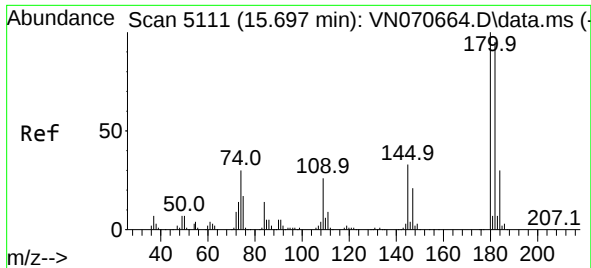
Tgt Ion:225 Resp: 974
Ion Ratio Lower Upper
225 100
223 68.3 31.9 95.7
227 43.0 32.1 96.3



#95
Naphthalene
Concen: 6.239 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070783.D
Acq: 26 Jan 2022 12:12

Tgt Ion:128 Resp: 30402
Ion Ratio Lower Upper
128 100
127 15.3 10.5 15.7
129 11.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 4.974 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VN070783.D
 Acq: 26 Jan 2022 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0126MBL01

Tgt Ion:180 Resp: 13588
 Ion Ratio Lower Upper
 180 100
 182 78.5 47.4 142.2
 145 27.1 15.0 45.1

