

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
 Data File : VN070819.D
 Acq On : 28 Jan 2022 10:53
 Operator : JC/MD
 Sample : VN0128MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128MBL01

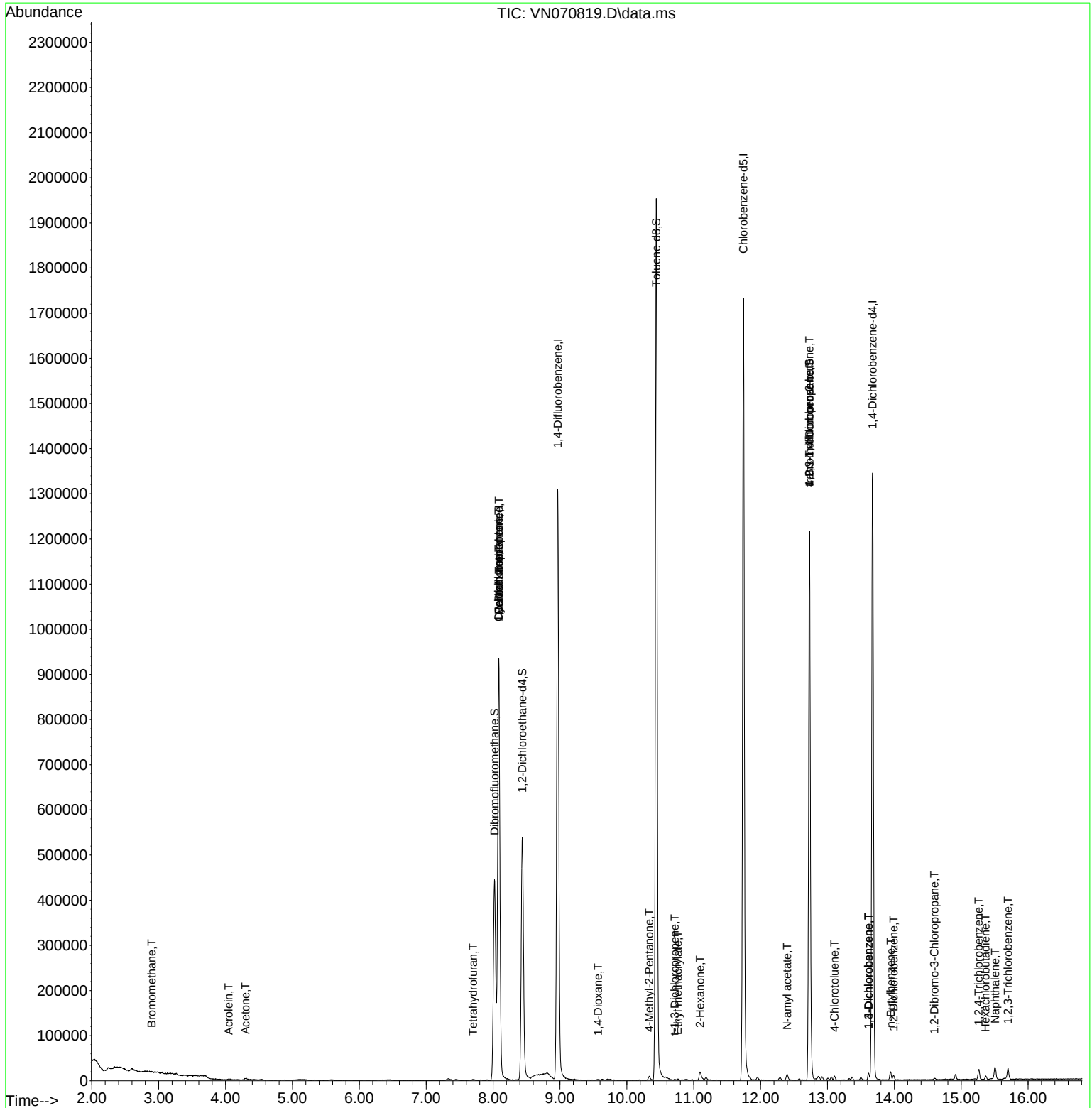
Quant Time: Jan 28 23:15:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

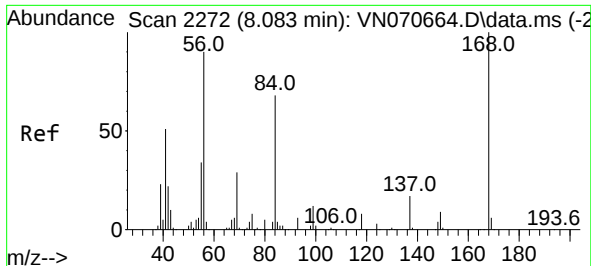
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	684790	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1120737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1003680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	371486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	495052	50.443	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.880%			
35) Dibromofluoromethane	8.021	113	333883	48.027	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.060%			
50) Toluene-d8	10.440	98	1381189	47.161	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.320%			
62) 4-Bromofluorobenzene	12.731	95	445962	42.732	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.460%			
Target Compounds						Qvalue
5) Bromomethane	2.893	94	2183	0.381	ug/l	89
13) Acrolein	4.044	56	990	0.390	ug/l #	71
16) Acetone	4.296	43	3576	0.525	ug/l	96
29) Tetrahydrofuran	7.702	42	1421	0.271	ug/l #	58
30) Chloroform	7.817	83	1530	Below Cal		91
31) Cyclohexane	8.083	56	16673	0.965	ug/l #	11
36) 1,1-Dichloropropene	8.083	75	58292	4.981	ug/l #	49
38) Carbon Tetrachloride	8.086	117	72501	6.964	ug/l #	17
49) 1,4-Dioxane	9.571	88	153	0.901	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	8334	0.550	ug/l	90
53) t-1,3-Dichloropropene	10.714	75	813	2.458	ug/l	95
56) Ethyl methacrylate	10.762	69	1558	2.393	ug/l #	77
59) 2-Hexanone	11.095	43	18590	1.690	ug/l	91
74) N-amyl acetate	12.396	43	9650	0.672	ug/l #	82
76) 1,2,3-Trichloropropane	12.731	75	243988	24.763	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	243988	73.774	ug/l #	5
82) 4-Chlorotoluene	13.106	91	5851	0.252	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	4312	0.329	ug/l	95
88) 1,4-Dichlorobenzene	13.616	146	4312	0.331	ug/l	94
89) n-Butylbenzene	13.946	91	11263	0.517	ug/l	97
91) 1,2-Dichlorobenzene	13.991	146	4412	0.341	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.600	75	1473	0.732	ug/l #	35
93) 1,2,4-Trichlorobenzene	15.263	180	7923	4.501	ug/l	97
94) Hexachlorobutadiene	15.362	225	1917	0.500	ug/l	96
95) Naphthalene	15.507	128	26558	6.191	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.700	180	9321	4.545	ug/l	98

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

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Response via : Initial Calibration

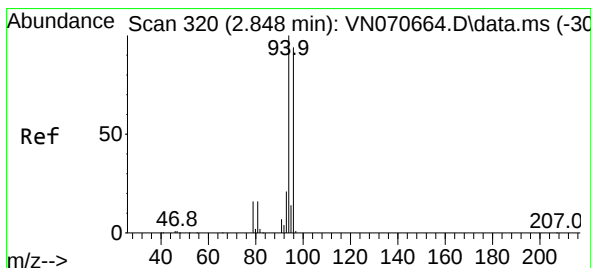
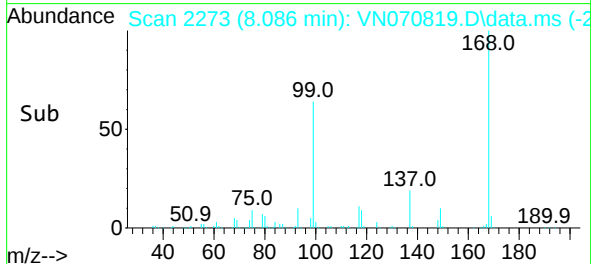
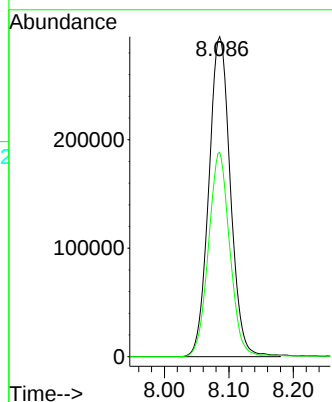
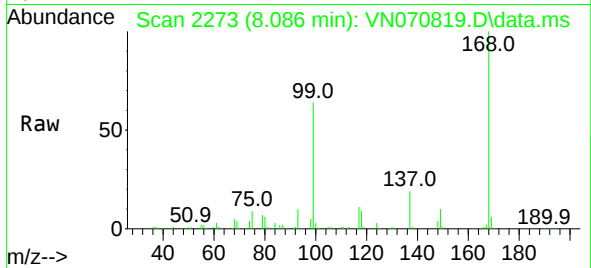




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

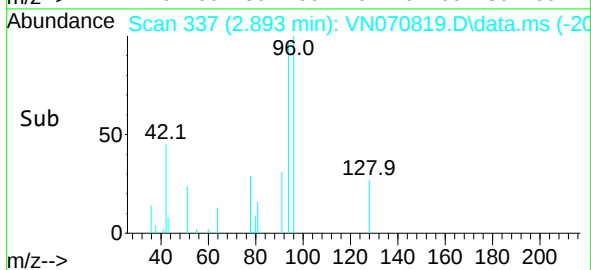
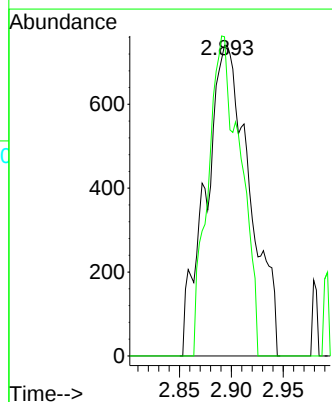
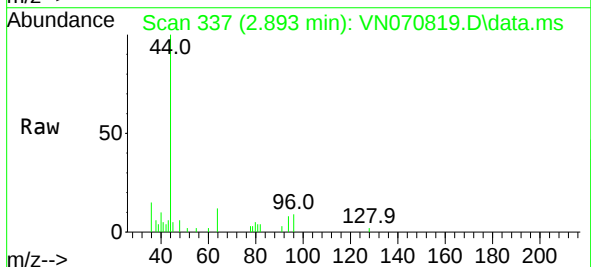
Instrument :
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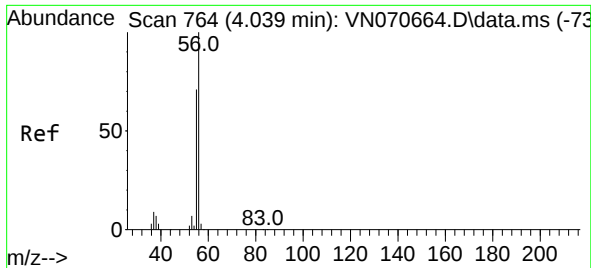
Tgt Ion:168 Resp: 684790
Ion Ratio Lower Upper
168 100
99 63.8 41.3 61.9#



#5
Bromomethane
Concen: 0.381 ug/l
RT: 2.893 min Scan# 337
Delta R.T. 0.045 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 94 Resp: 2183
Ion Ratio Lower Upper
94 100
96 102.7 73.8 110.8

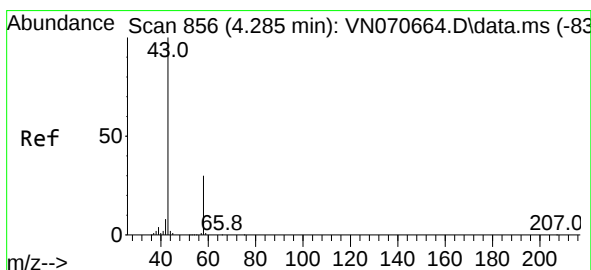
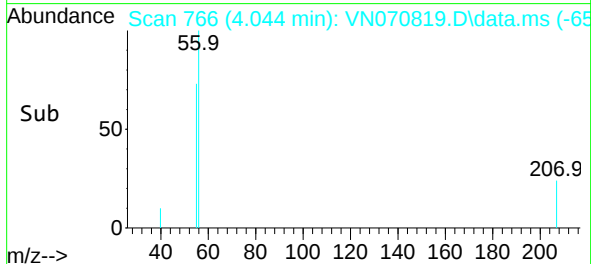
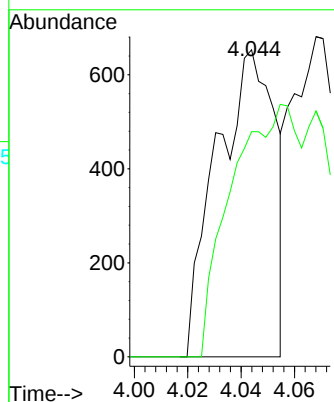
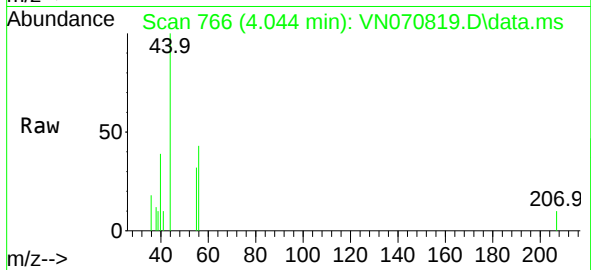




#13
Acrolein
Concen: 0.390 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

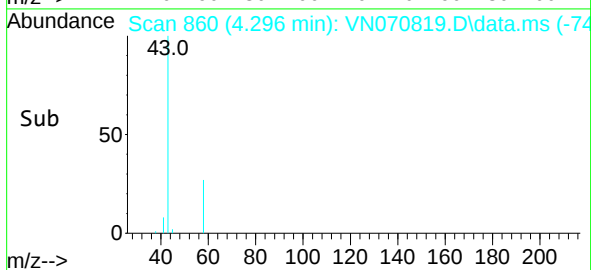
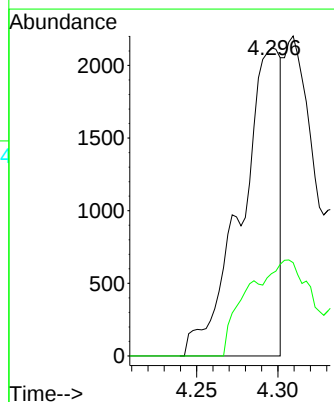
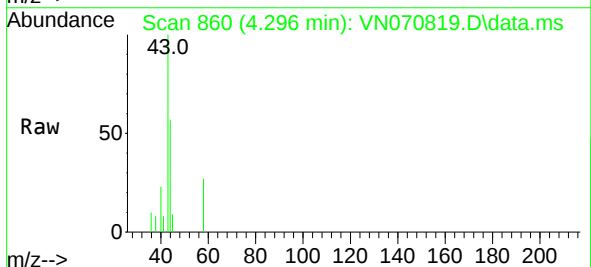
Instrument :
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ClientSampleId :
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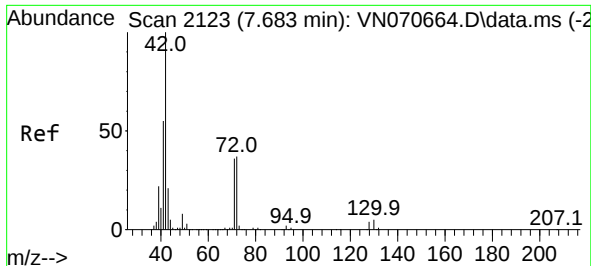
Tgt Ion: 56 Resp: 990
Ion Ratio Lower Upper
56 100
55 94.7 56.6 85.0#



#16
Acetone
Concen: 0.525 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 43 Resp: 3576
Ion Ratio Lower Upper
43 100
58 26.7 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.271 ug/l

RT: 7.702 min Scan# 21

Delta R.T. 0.019 min

Lab File: VN070819.D

Acq: 28 Jan 2022 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0128MBL01

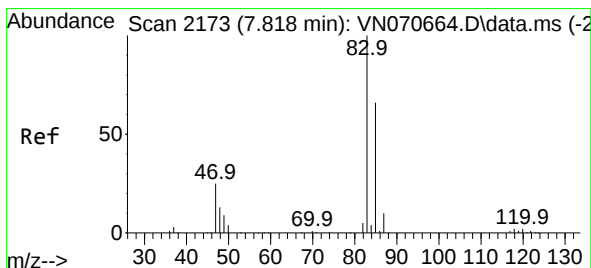
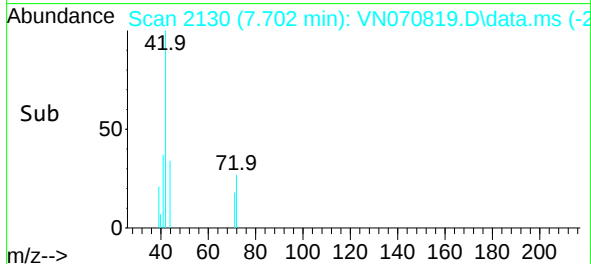
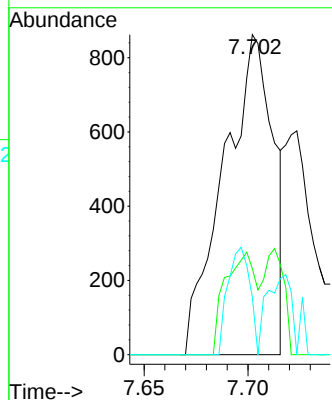
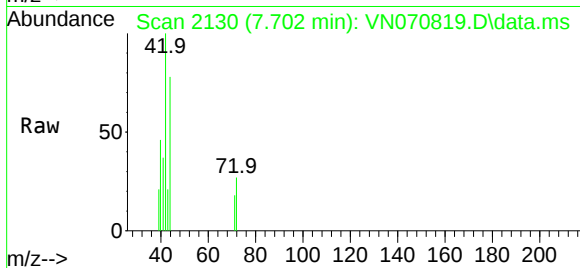
Tgt Ion: 42 Resp: 1421

Ion Ratio Lower Upper

42 100

72 19.8 36.3 54.5#

71 15.0 34.7 52.1#



#30

Chloroform

Concen: Below Cal

RT: 7.817 min Scan# 2173

Delta R.T. -0.001 min

Lab File: VN070819.D

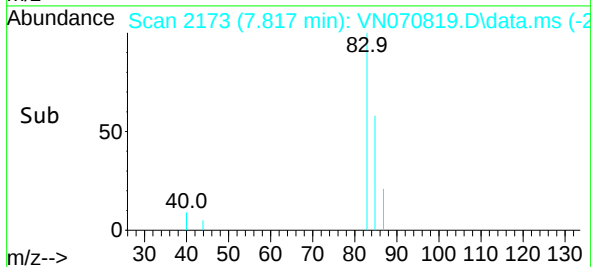
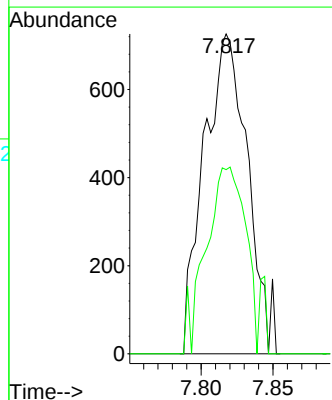
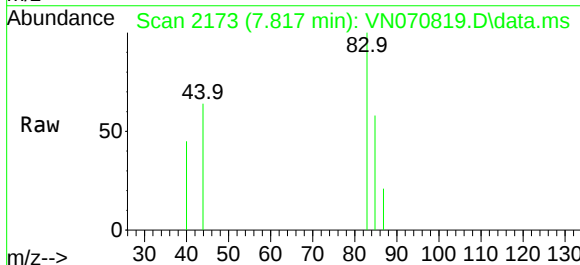
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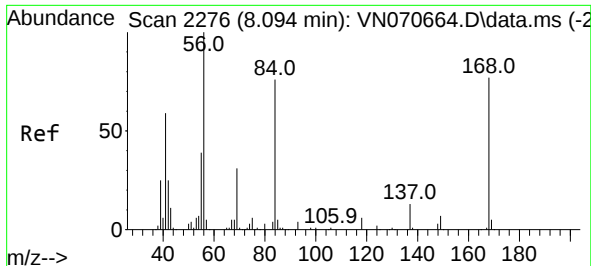
Tgt Ion: 83 Resp: 1530

Ion Ratio Lower Upper

83 100

85 57.6 51.9 77.9

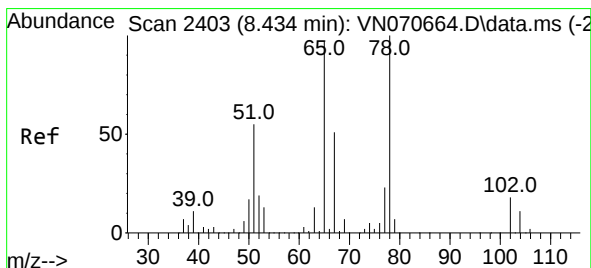
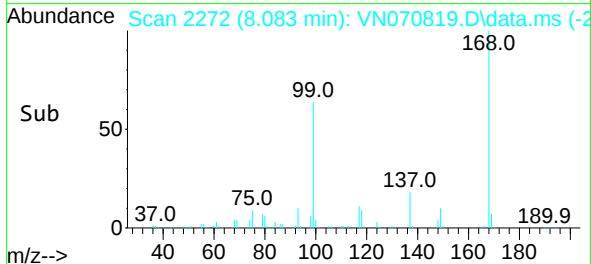
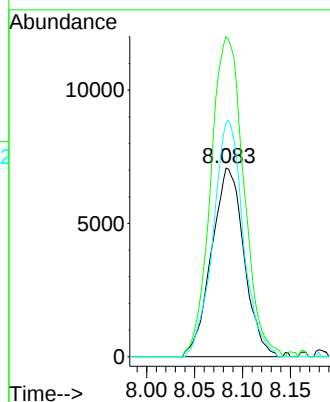
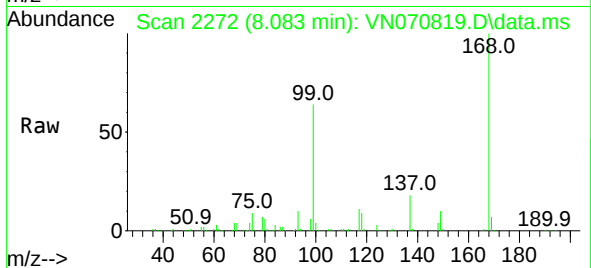




#31
Cyclohexane
Concen: 0.965 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

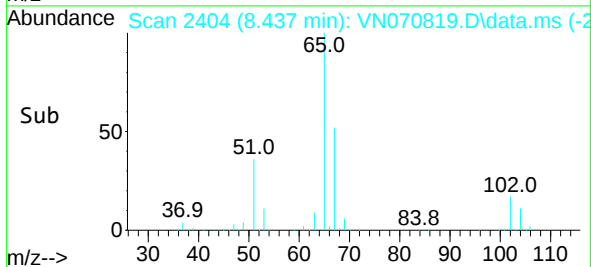
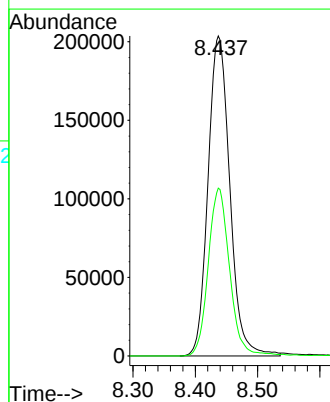
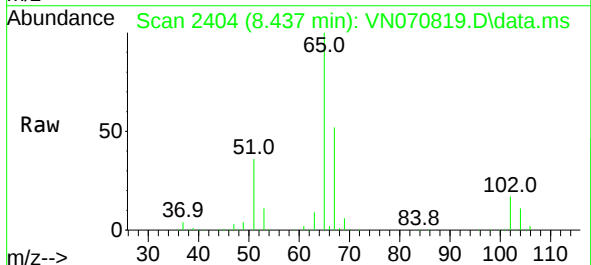
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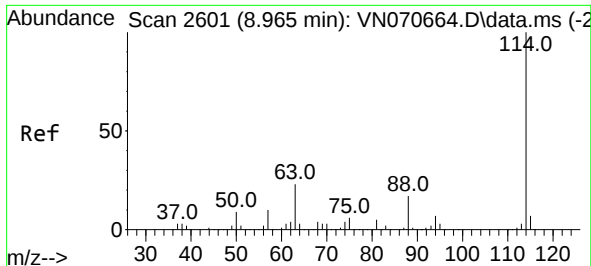
Tgt Ion: 56 Resp: 16673
Ion Ratio Lower Upper
56 100
69 169.6 27.1 40.7#
84 124.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.443 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 65 Resp: 495052
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0

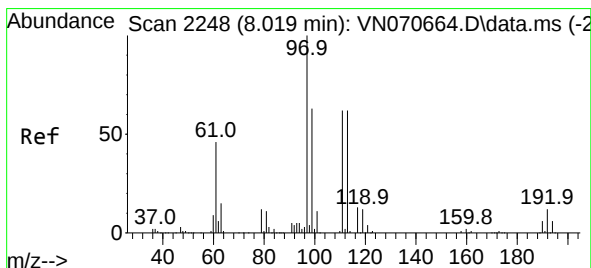
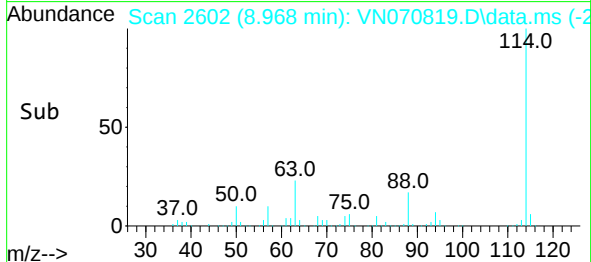
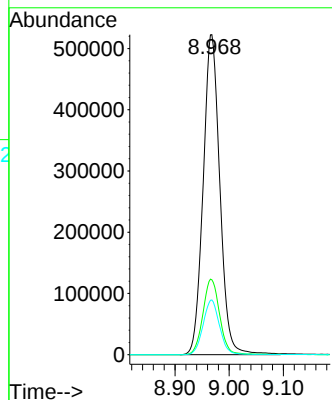
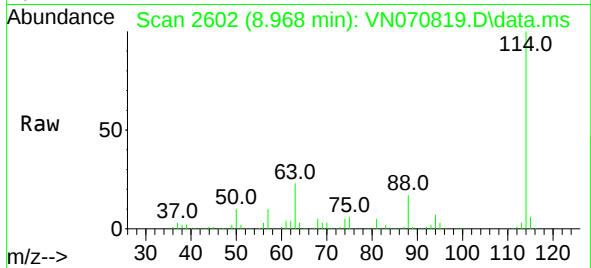




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

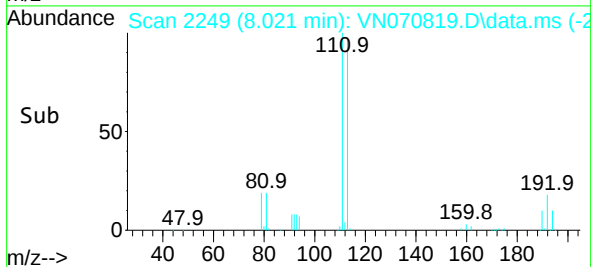
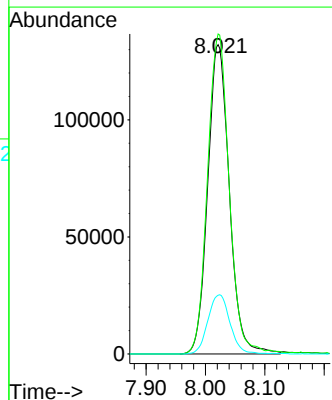
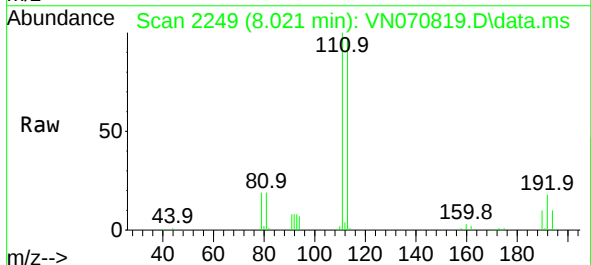
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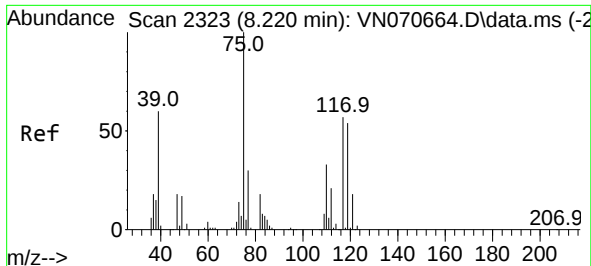
Tgt Ion:114 Resp: 1120737
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 17.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.027 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion:113 Resp: 333883
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.6 16.9 25.3

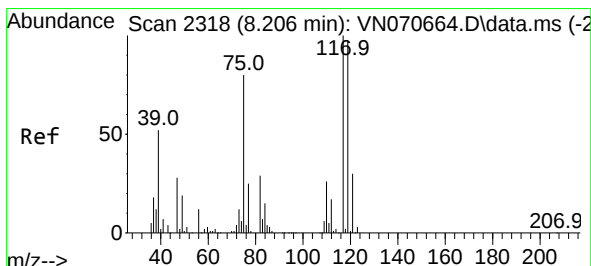
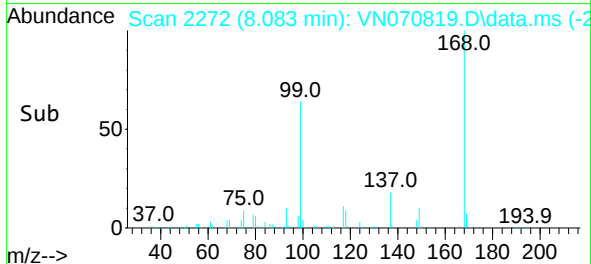
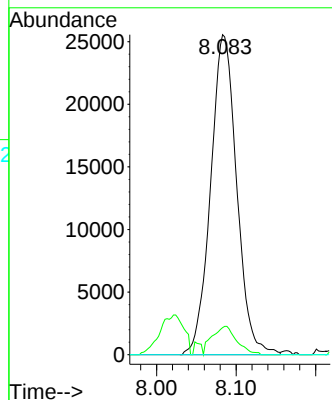
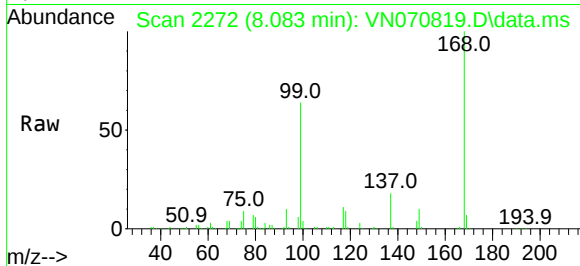




#36
 1,1-Dichloropropene
 Concen: 4.981 ug/l
 RT: 8.083 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070819.D
 Acq: 28 Jan 2022 10:53

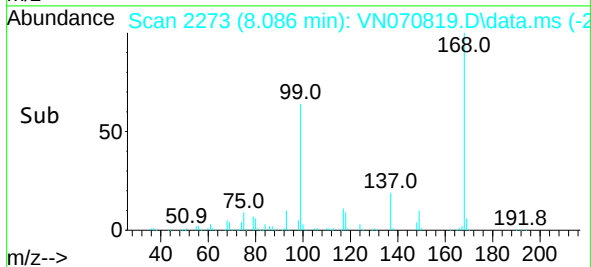
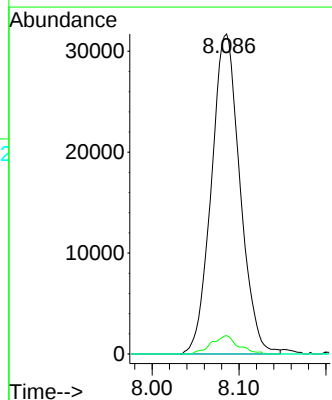
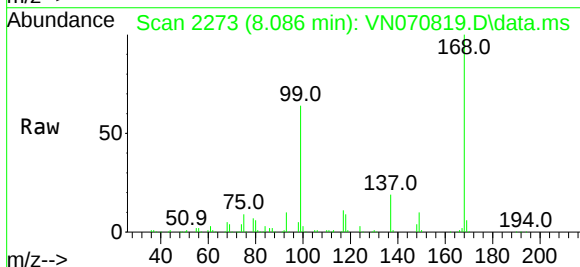
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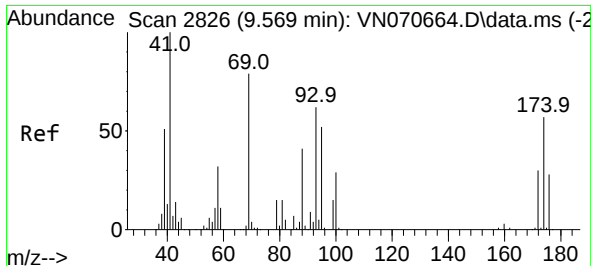
Tgt Ion: 75 Resp: 58292
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.964 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN070819.D
 Acq: 28 Jan 2022 10:53

Tgt Ion: 117 Resp: 72501
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.1 114.1#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.901 ug/l

RT: 9.571 min Scan# 2

Delta R.T. 0.002 min

Lab File: VN070819.D

Acq: 28 Jan 2022 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0128MBL01

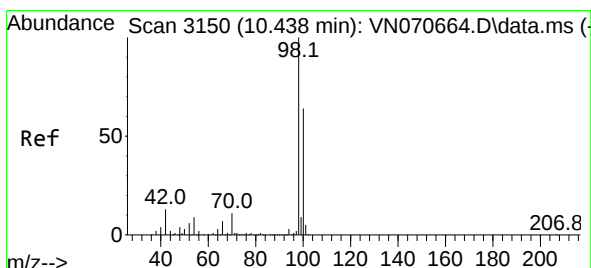
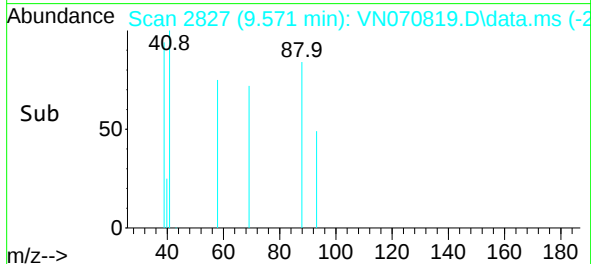
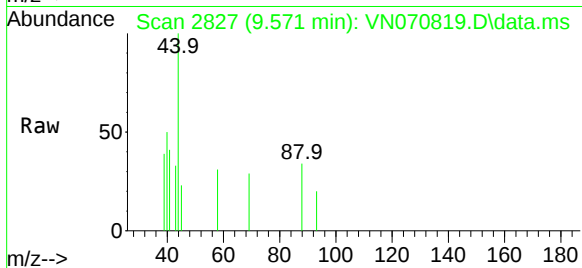
Tgt Ion: 88 Resp: 153

Ion Ratio Lower Upper

88 100

43 382.4 23.4 35.2#

58 188.2 50.6 75.8#



#50

Toluene-d8

Concen: 47.161 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070819.D

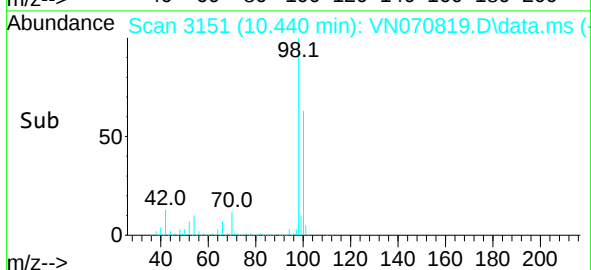
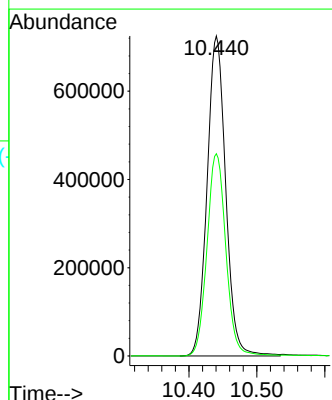
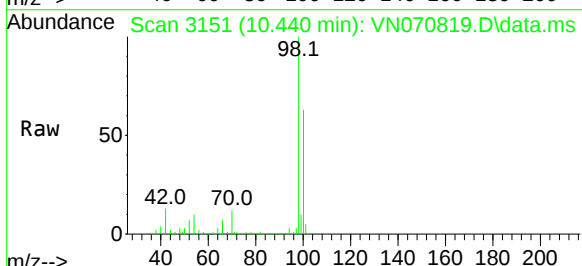
Acq: 28 Jan 2022 10:53

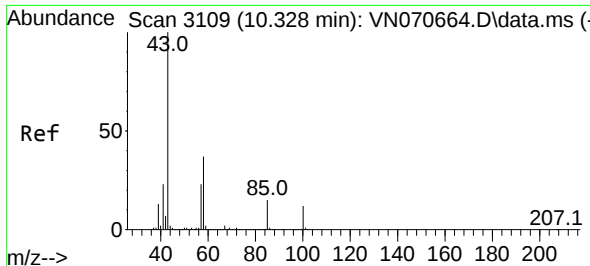
Tgt Ion: 98 Resp: 1381189

Ion Ratio Lower Upper

98 100

100 64.1 50.4 75.6

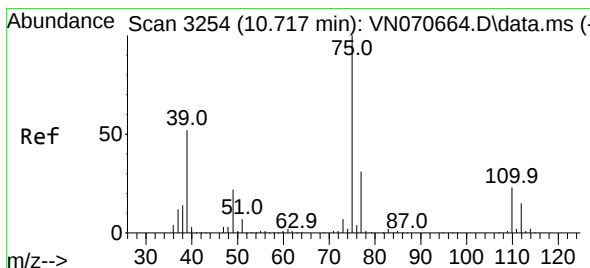
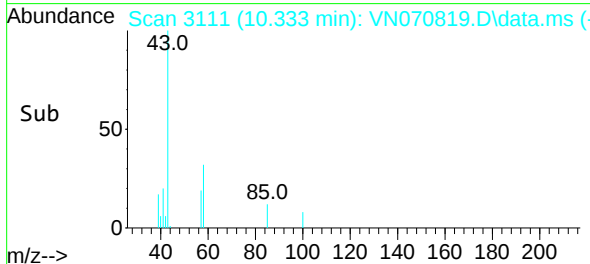
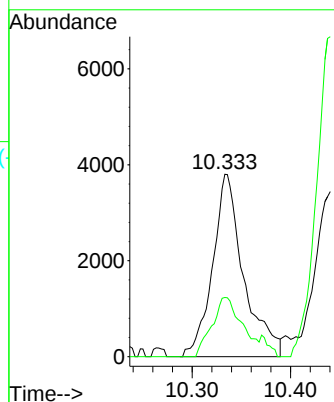
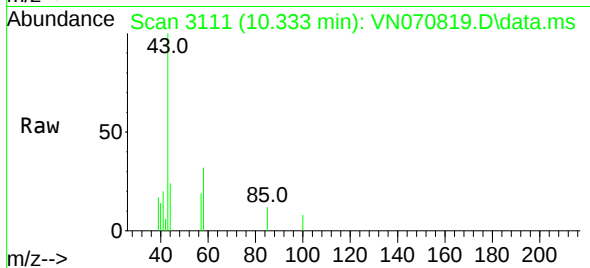




#51
4-Methyl-2-Pentanone
Concen: 0.550 ug/l
RT: 10.333 min Scan# 3109
Delta R.T. 0.005 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

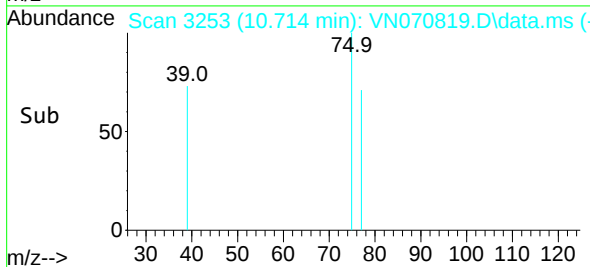
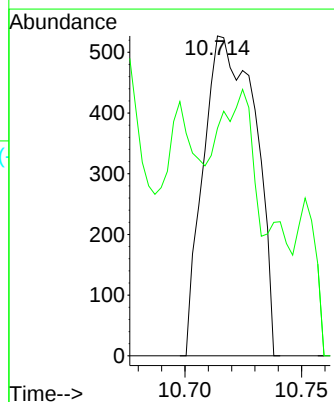
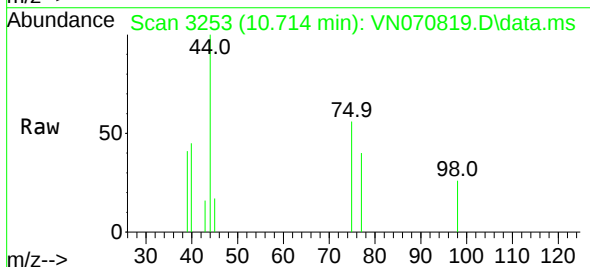
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

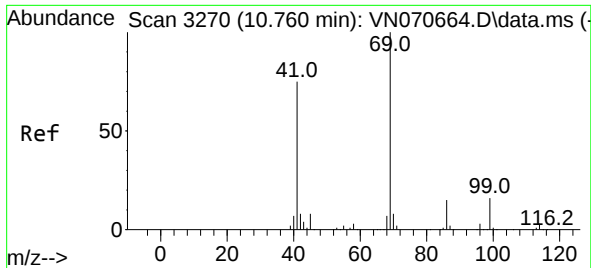
Tgt Ion: 43 Resp: 8334
Ion Ratio Lower Upper
43 100
58 31.7 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.458 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 75 Resp: 813
Ion Ratio Lower Upper
75 100
77 29.2 25.6 38.4

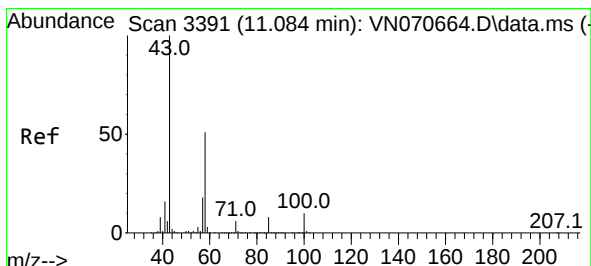
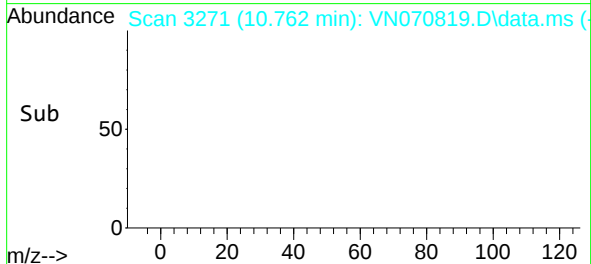
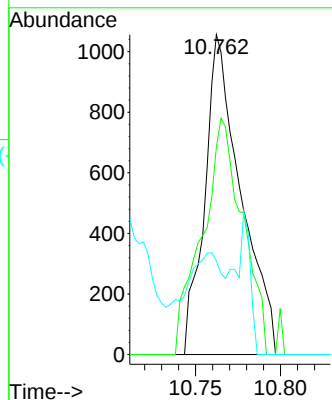
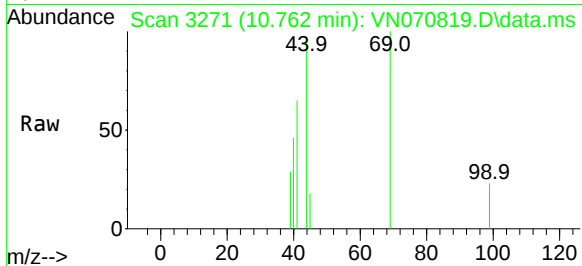




#56
Ethyl methacrylate
Concen: 2.393 ug/l
RT: 10.762 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

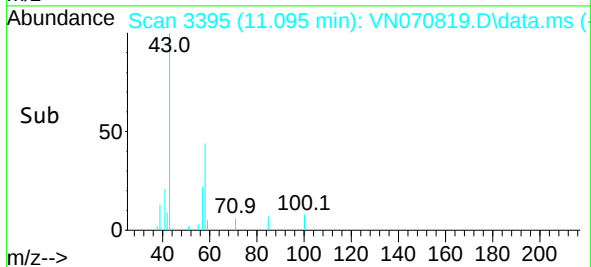
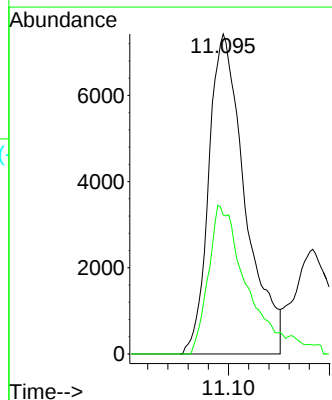
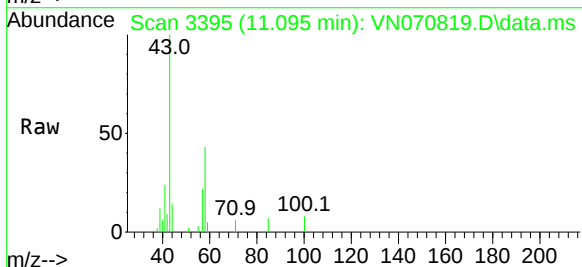
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

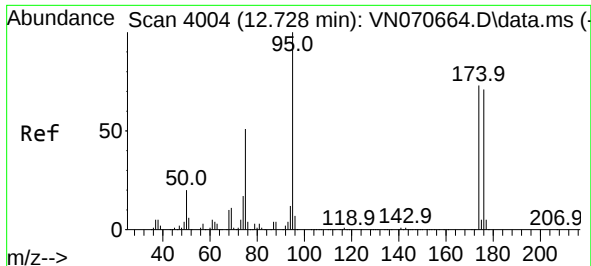
Tgt Ion: 69 Resp: 1558
Ion Ratio Lower Upper
69 100
41 83.1 51.4 77.0#
39 29.3 34.6 52.0#



#59
2-Hexanone
Concen: 1.690 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.011 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 43 Resp: 18590
Ion Ratio Lower Upper
43 100
58 47.5 26.9 80.7

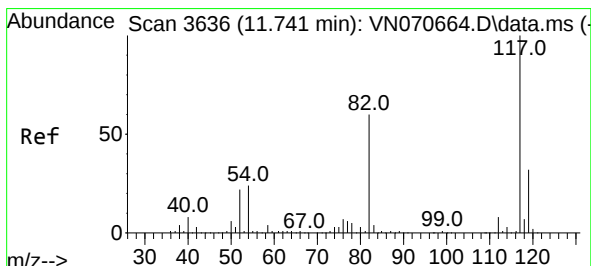
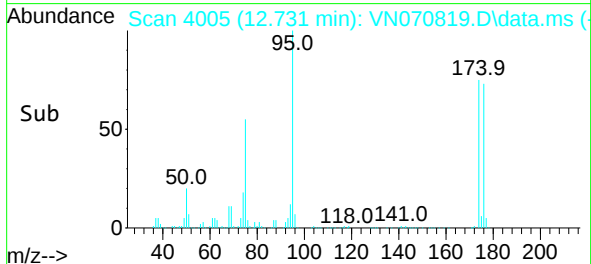
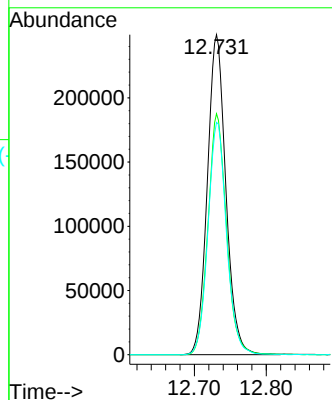
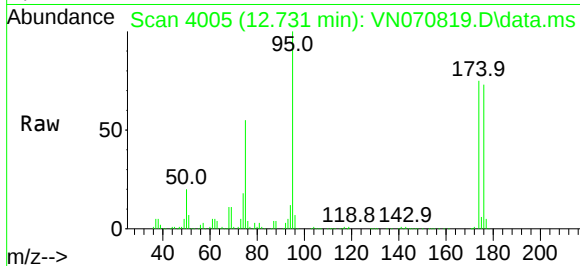




#62
4-Bromofluorobenzene
Concen: 42.732 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

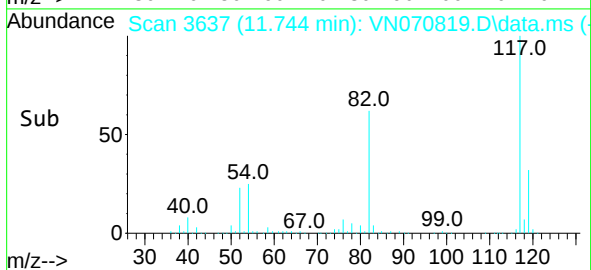
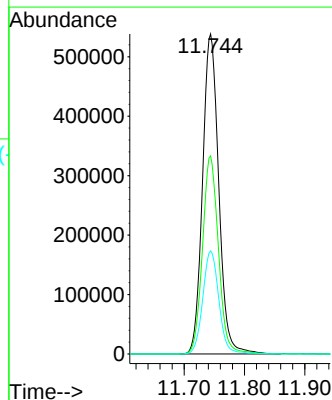
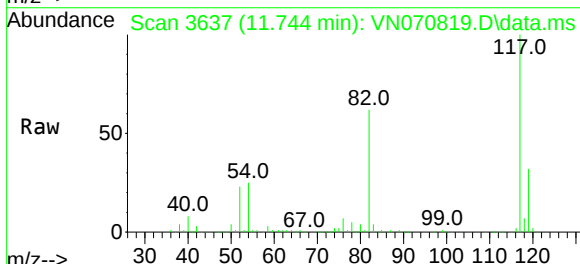
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

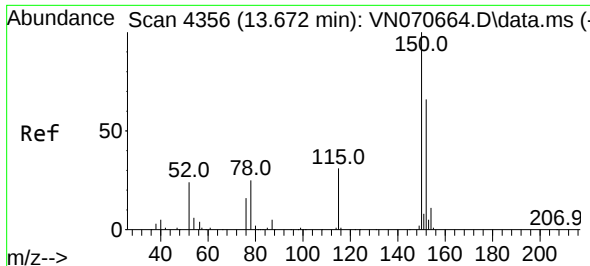
Tgt Ion: 95 Resp: 445962
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 117 Resp: 1003680
Ion Ratio Lower Upper
117 100
82 61.9 42.4 63.6
119 32.2 25.4 38.2

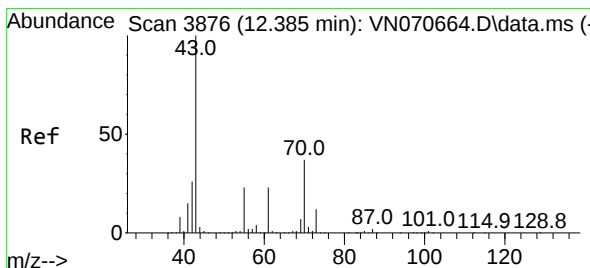
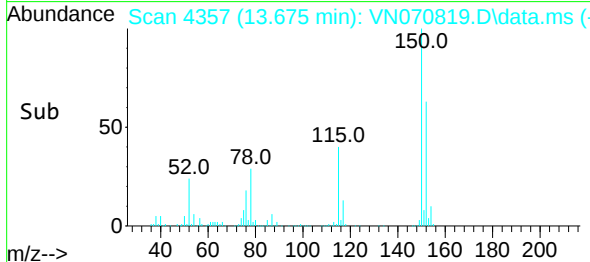
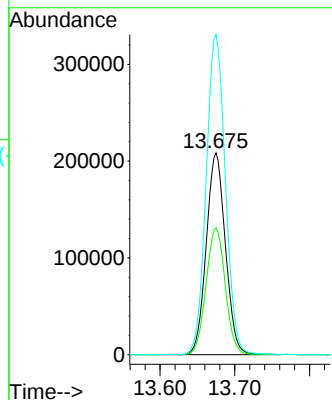
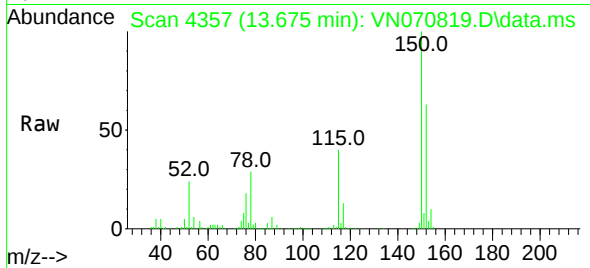




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

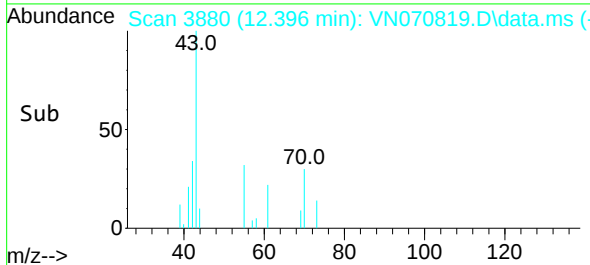
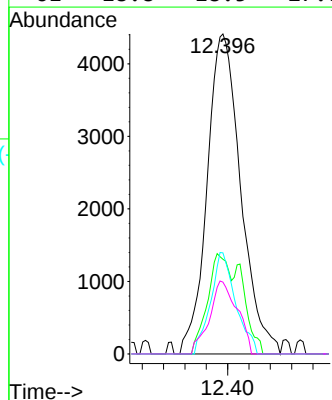
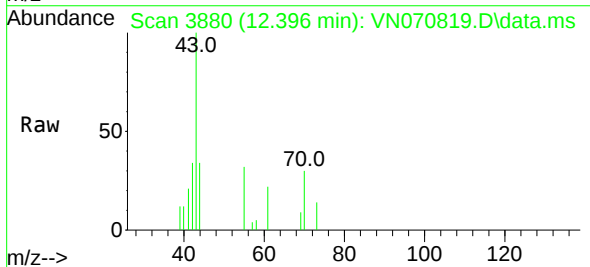
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

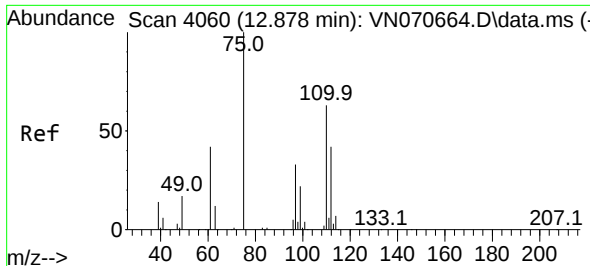
Tgt Ion:152 Resp: 371486
Ion Ratio Lower Upper
152 100
115 63.2 27.5 82.5
150 158.8 0.0 344.4



#74
N-ethyl acetate
Concen: 0.672 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.011 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 43 Resp: 9650
Ion Ratio Lower Upper
43 100
70 20.6 33.4 50.0#
55 23.7 19.3 28.9
61 18.8 18.5 27.7

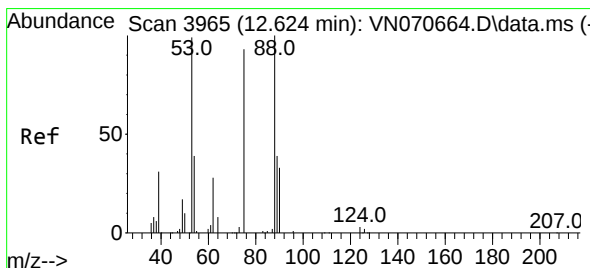
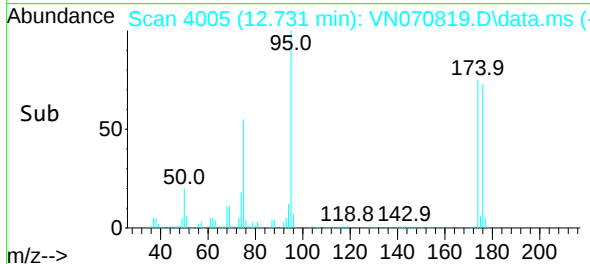
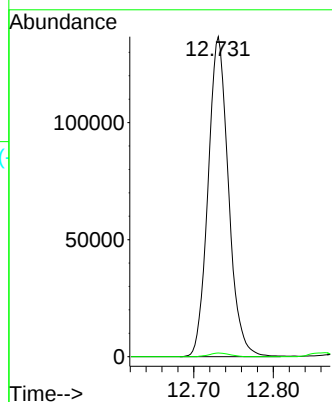
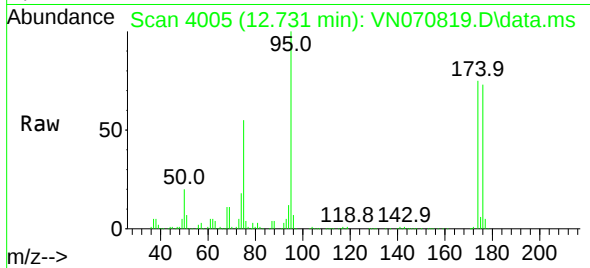




#76
1,2,3-Trichloropropane
Concen: 24.763 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

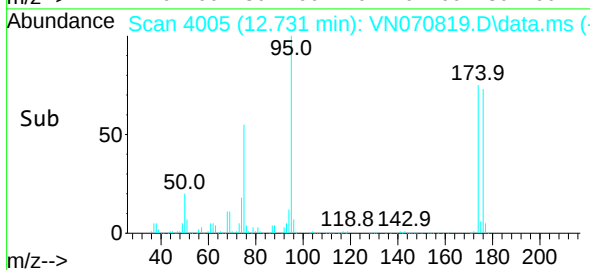
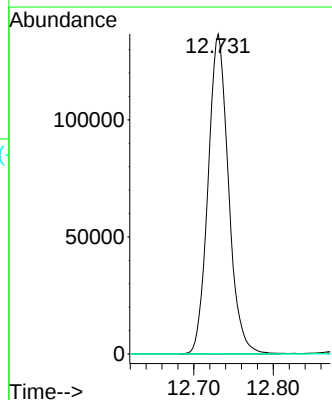
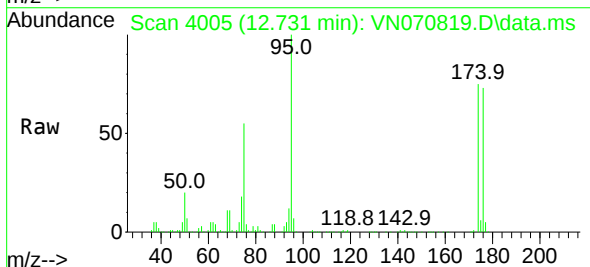
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

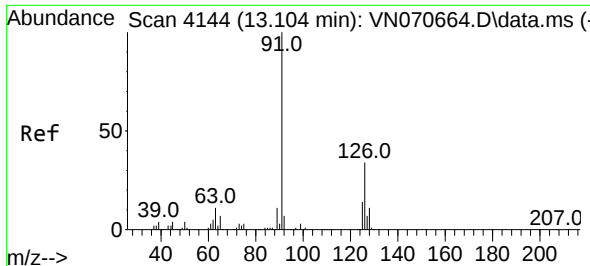
Tgt Ion: 75 Resp: 243988
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.774 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 75 Resp: 243988
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

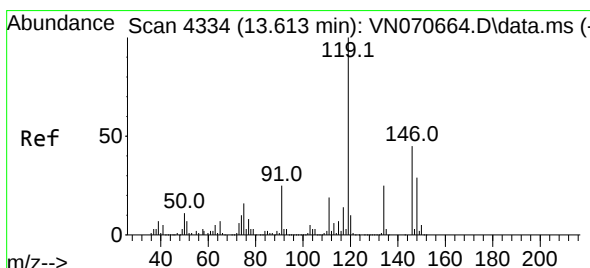
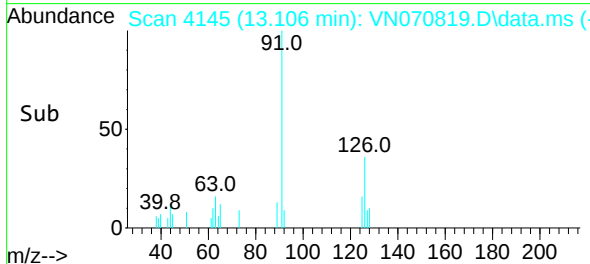
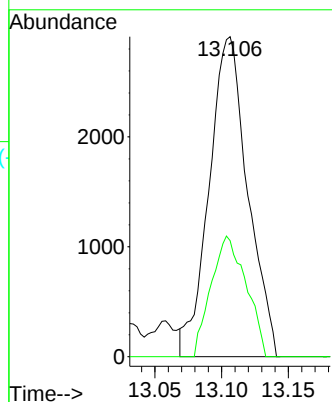
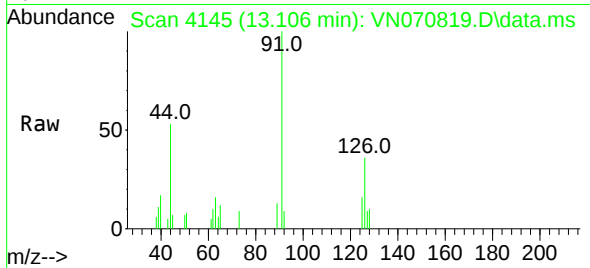




#82
4-Chlorotoluene
Concen: 0.252 ug/l
RT: 13.106 min Scan# 4144
Delta R.T. 0.002 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

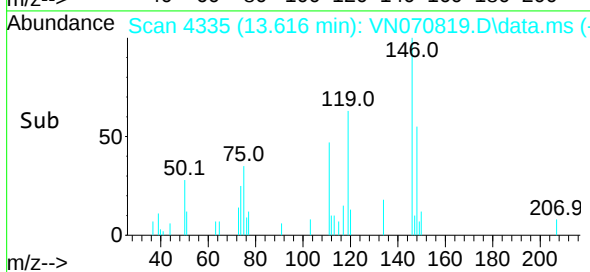
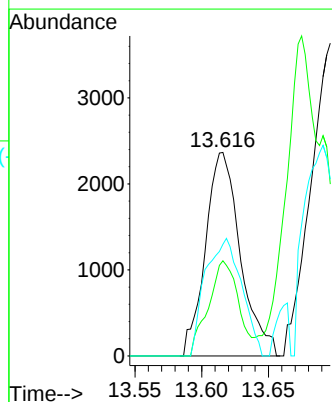
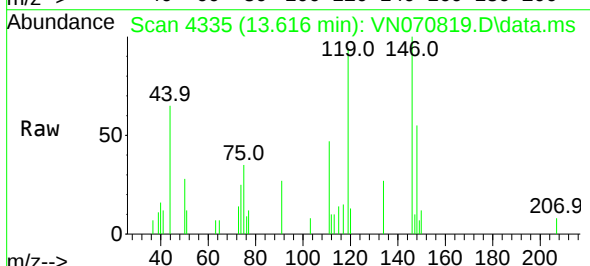
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

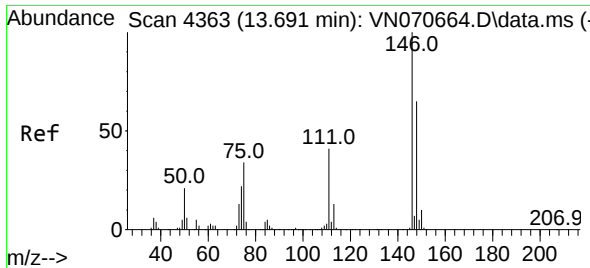
Tgt Ion: 91 Resp: 5851
Ion Ratio Lower Upper
91 100
126 34.3 18.2 54.6



#87
1,3-Dichlorobenzene
Concen: 0.329 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 146 Resp: 4312
Ion Ratio Lower Upper
146 100
111 40.7 18.6 55.6
148 60.0 31.6 95.0

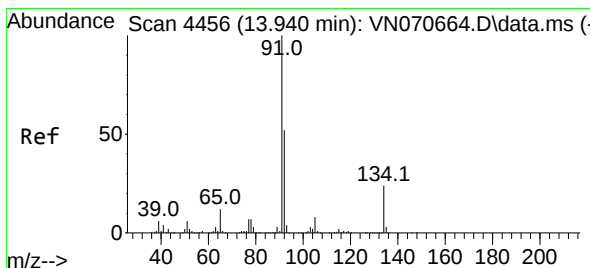
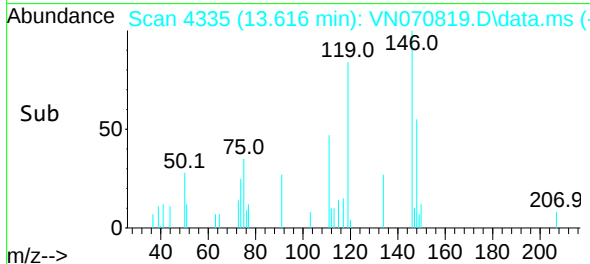
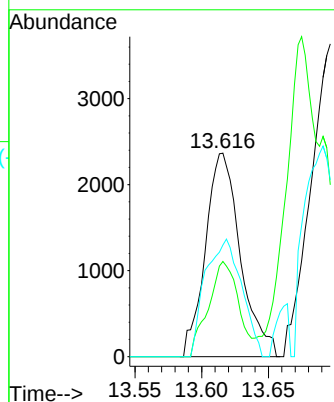
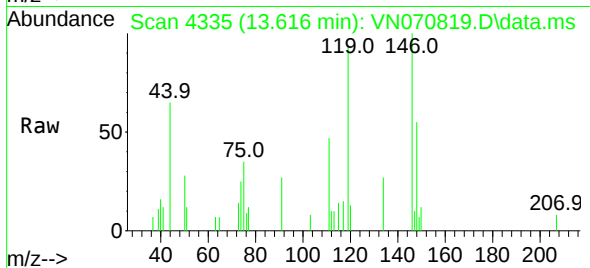




#88
1,4-Dichlorobenzene
Concen: 0.331 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.075 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

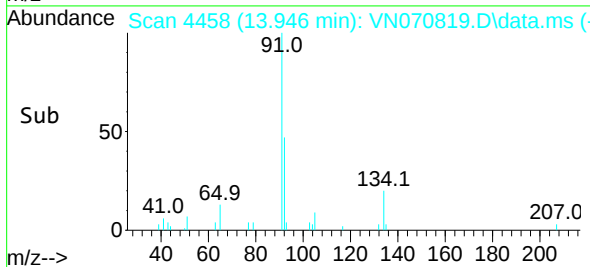
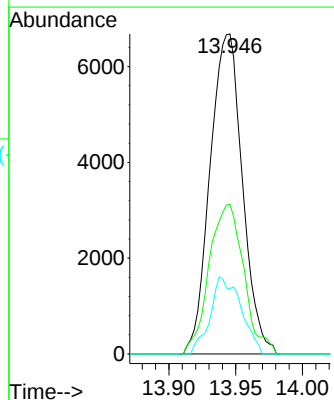
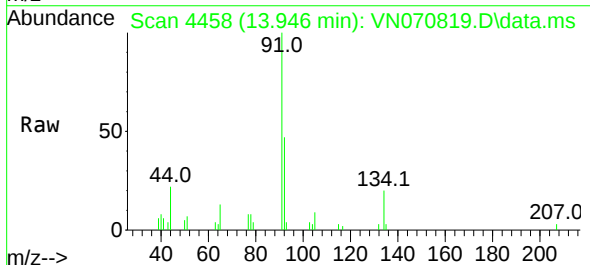
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

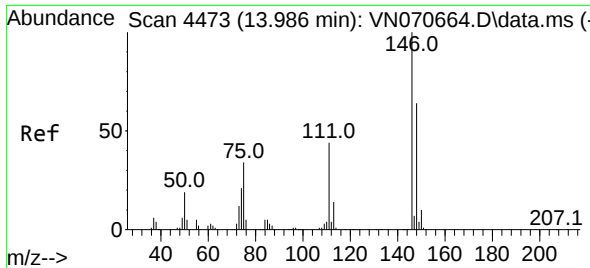
Tgt Ion:146 Resp: 4312
Ion Ratio Lower Upper
146 100
111 40.7 18.3 54.8
148 60.0 31.8 95.4



#89
n-Butylbenzene
Concen: 0.517 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.006 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 91 Resp: 11263
Ion Ratio Lower Upper
91 100
92 50.1 25.4 76.0
134 23.0 13.6 40.8

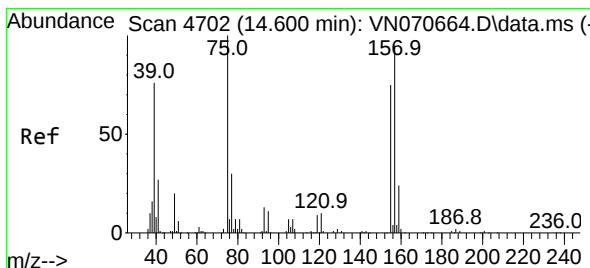
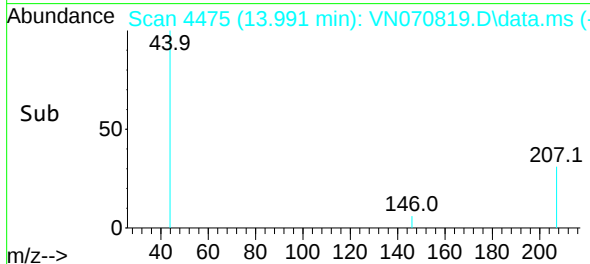
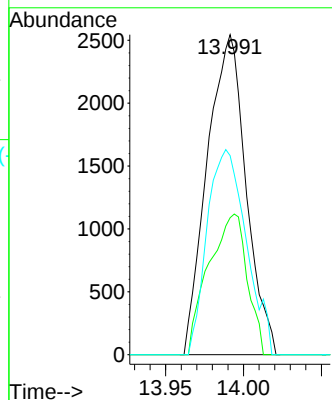
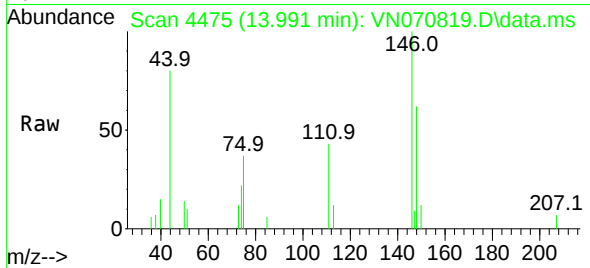




#91
1,2-Dichlorobenzene
Concen: 0.341 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.005 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

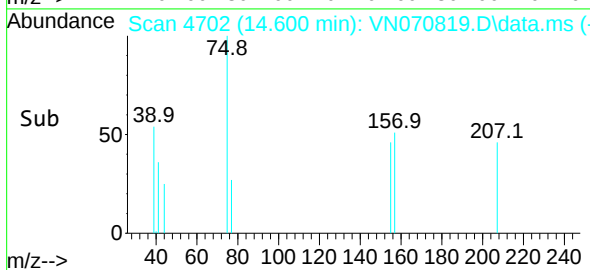
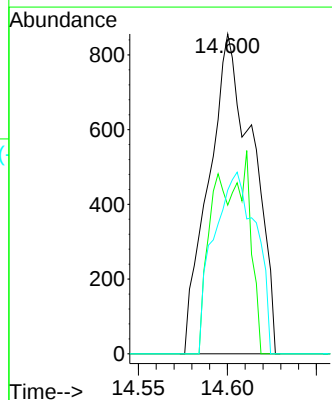
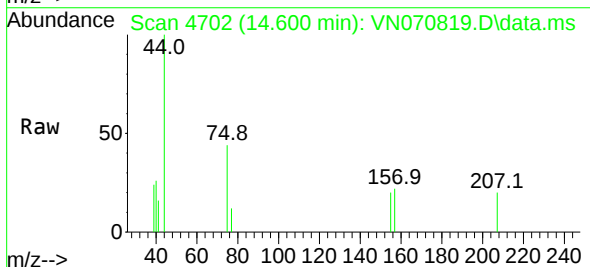
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

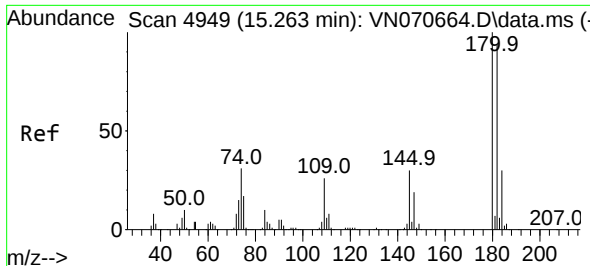
Tgt Ion:146 Resp: 4412
Ion Ratio Lower Upper
146 100
111 43.6 19.1 57.3
148 64.7 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.732 ug/l
RT: 14.600 min Scan# 4702
Delta R.T. 0.000 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion: 75 Resp: 1473
Ion Ratio Lower Upper
75 100
155 25.0 46.9 140.7#
157 54.3 60.6 181.7#

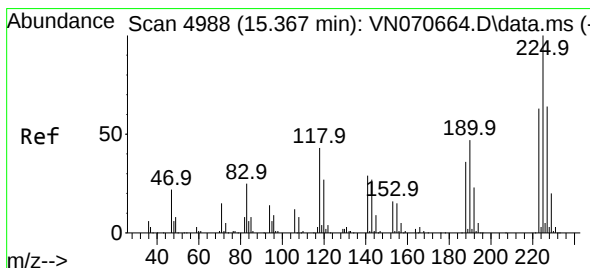
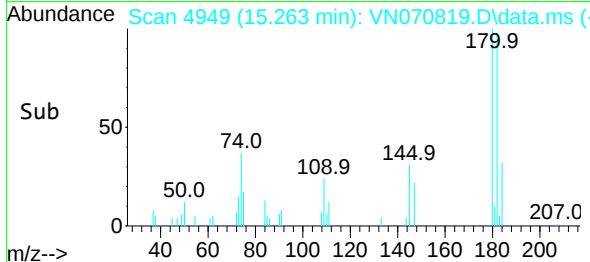
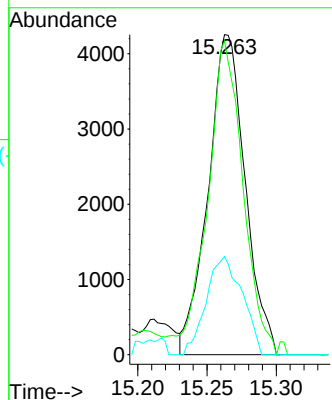
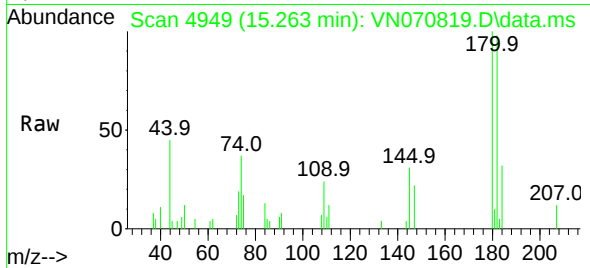




#93
 1,2,4-Trichlorobenzene
 Concen: 4.501 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.000 min
 Lab File: VN070819.D
 Acq: 28 Jan 2022 10:53

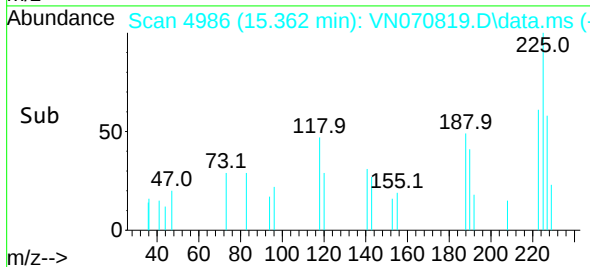
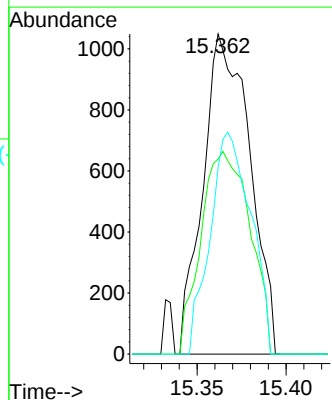
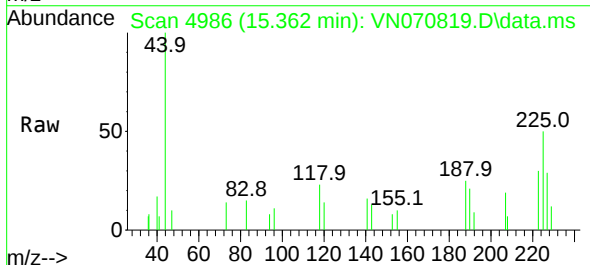
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128MBL01

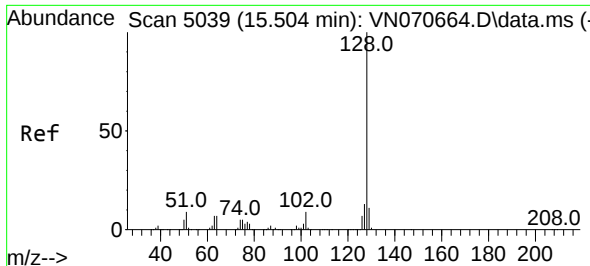
Tgt Ion:180 Resp: 7923
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.3 144.9
 145 29.6 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 0.500 ug/l
 RT: 15.362 min Scan# 4986
 Delta R.T. -0.005 min
 Lab File: VN070819.D
 Acq: 28 Jan 2022 10:53

Tgt Ion:225 Resp: 1917
 Ion Ratio Lower Upper
 225 100
 223 66.6 31.9 95.7
 227 60.6 32.1 96.3

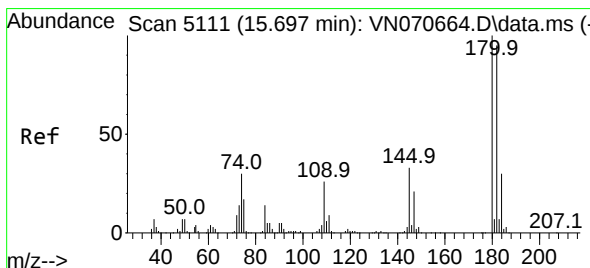
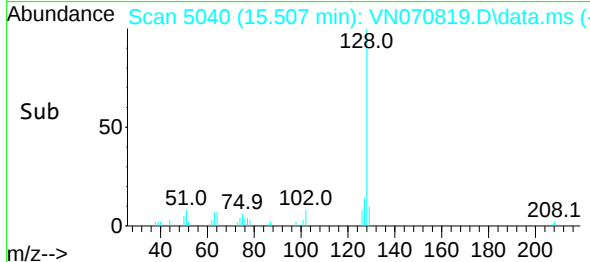
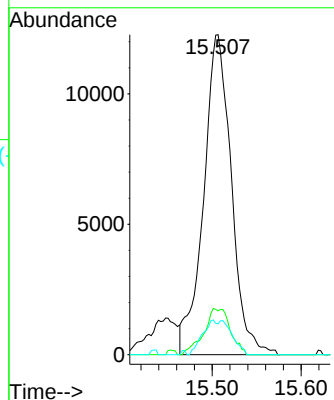
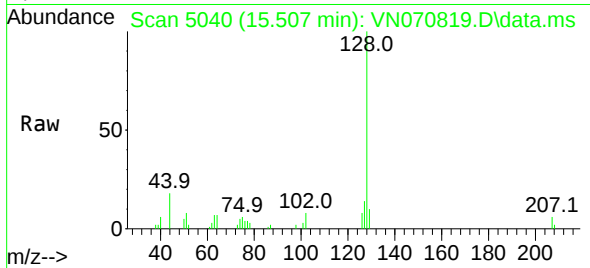




#95
Naphthalene
Concen: 6.191 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

Tgt Ion:128 Resp: 26558
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 6.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 4.545 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. 0.003 min
Lab File: VN070819.D
Acq: 28 Jan 2022 10:53

Tgt Ion:180 Resp: 9321
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.2
145 31.8 15.0 45.1

