

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120822\
 Data File : VN075638.D
 Acq On : 08 Dec 2022 10:20
 Operator : JC\MD
 Sample : VN1208MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208MBL01

Quant Time: Dec 09 02:03:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

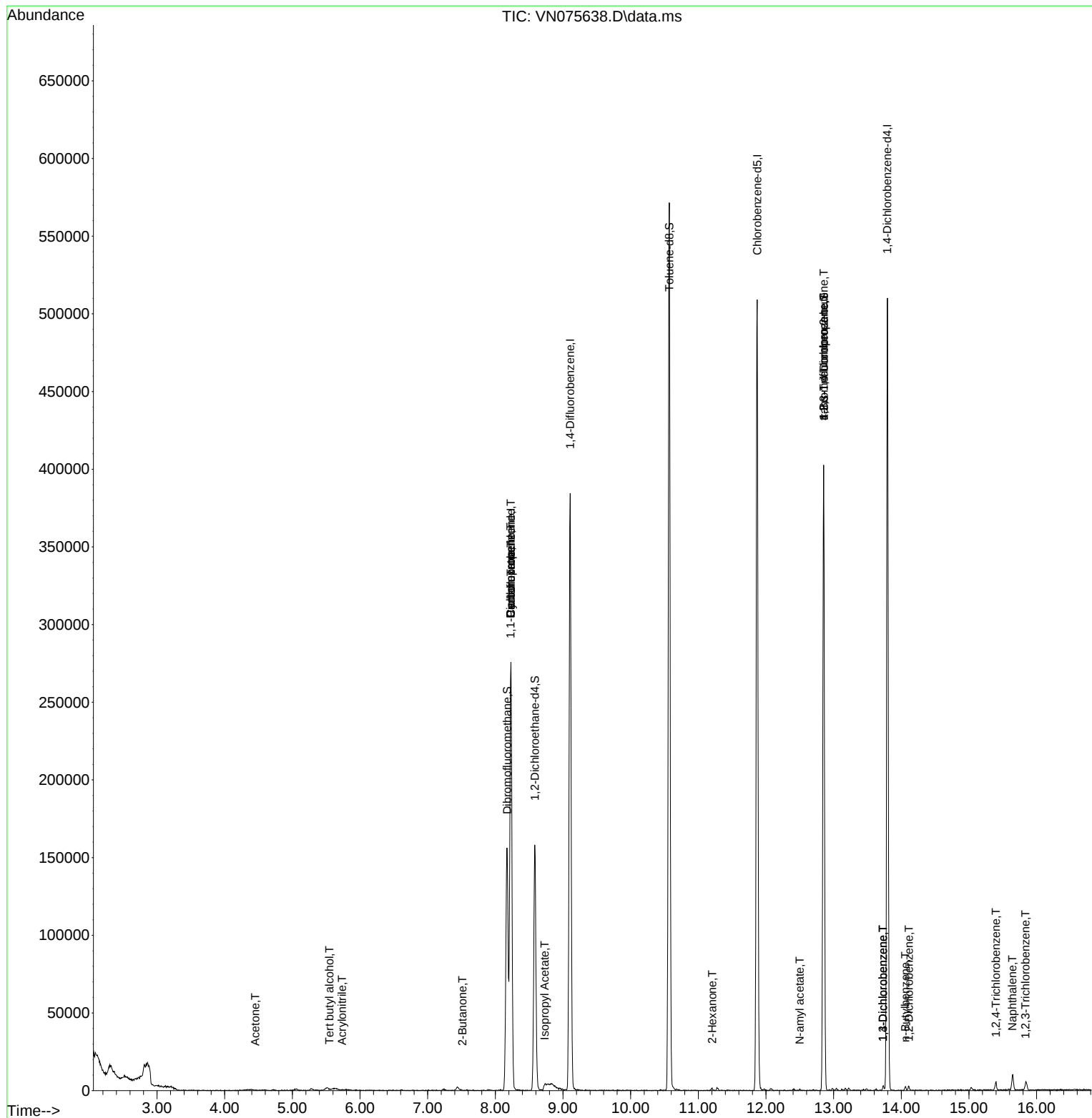
Internal Standards						
1) Pentafluorobenzene	8.230	168	221502	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	363769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	323693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126140	106.090	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 212.180%#		
35) Dibromofluoromethane	8.177	113	113821	79.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 159.300%#		
50) Toluene-d8	10.571	98	418562	130.048	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 260.100%#		
62) 4-Bromofluorobenzene	12.853	95	135938	57.222	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 114.440%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.547	59	127	0.254	ug/l	# 72
15) Acrylonitrile	5.736	53	357	0.312	ug/l	# 17
16) Acetone	4.453	43	223	0.201	ug/l	# 43
18) Methyl Acetate	5.036	43	2171	Below Cal	#	54
20) Methylene Chloride	5.271	84	922	Below Cal	#	47
25) 2-Butanone	7.512	43	513	0.331	ug/l	# 43
31) Cyclohexane	8.230	56	3945	1.044	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	14446	4.636	ug/l	# 50
38) Carbon Tetrachloride	8.230	117	20761	6.065	ug/l	# 15
43) Isopropyl Acetate	8.729	43	2893	0.642	ug/l	# 53
59) 2-Hexanone	11.206	43	1256	0.583	ug/l	67
74) N-amyl acetate	12.500	43	697	0.216	ug/l	# 56
76) 1,2,3-Trichloropropane	12.853	75	68298	25.090	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	68298	74.237	ug/l	# 10
87) 1,3-Dichlorobenzene	13.729	146	1329	0.270	ug/l	75
88) 1,4-Dichlorobenzene	13.729	146	1329	0.266	ug/l	77
89) n-Butylbenzene	14.059	91	1664	0.217	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	1493	0.311	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	2233	0.909	ug/l	95
95) Naphthalene	15.641	128	10580	1.368	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	2668	1.105	ug/l	# 78

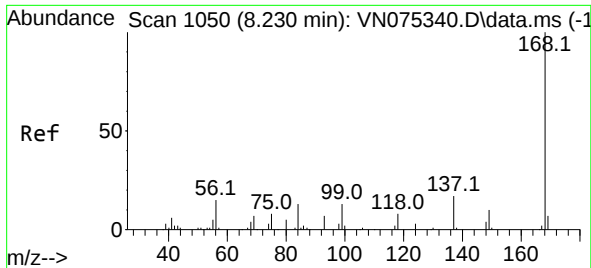
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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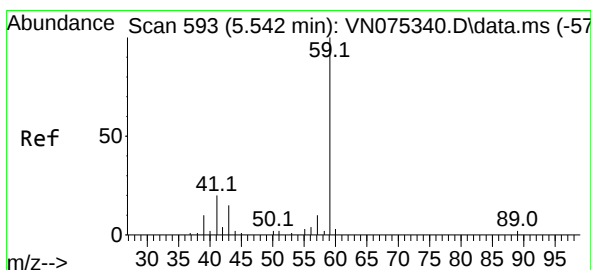
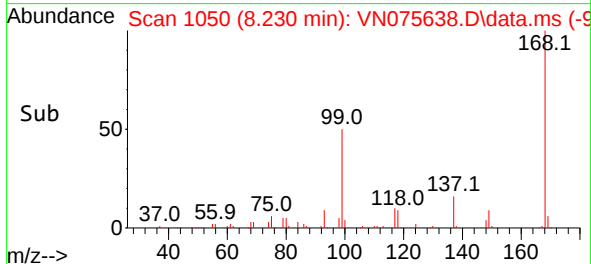
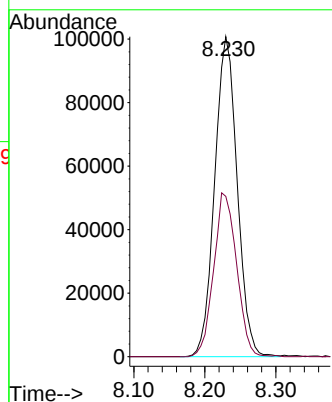
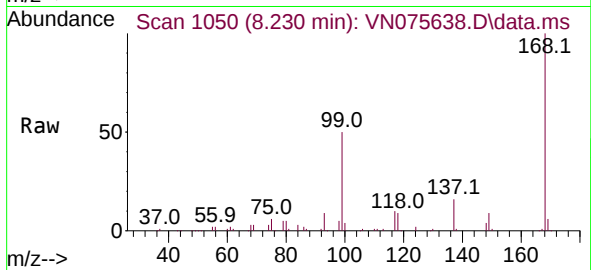




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

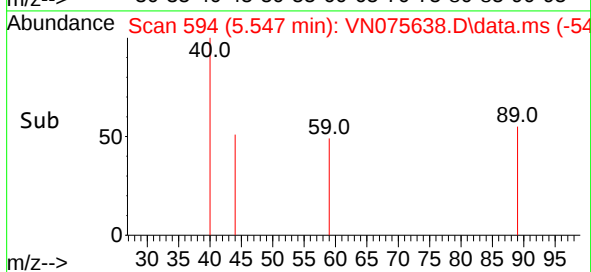
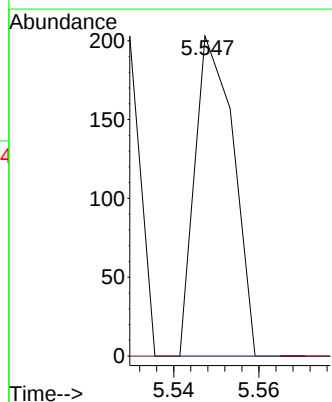
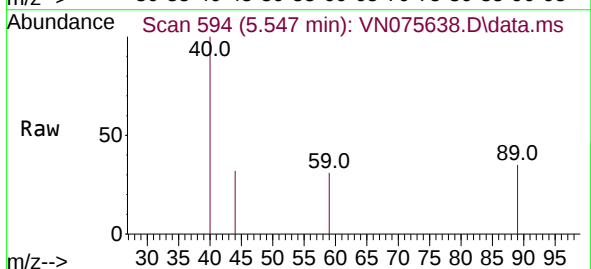
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

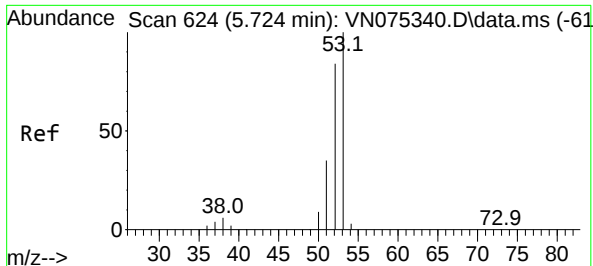
Tgt Ion:168 Resp: 221502
Ion Ratio Lower Upper
168 100
99 50.1 51.6 77.4#



#11
Tert butyl alcohol
Concen: 0.254 ug/l
RT: 5.547 min Scan# 594
Delta R.T. 0.005 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

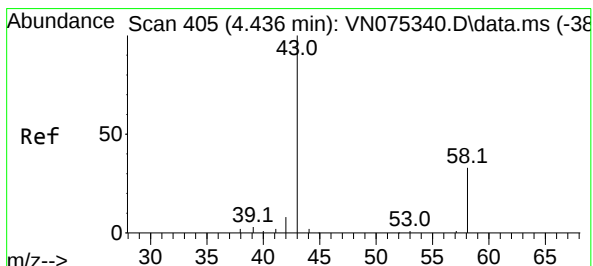
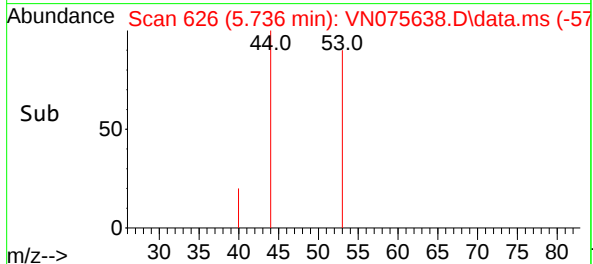
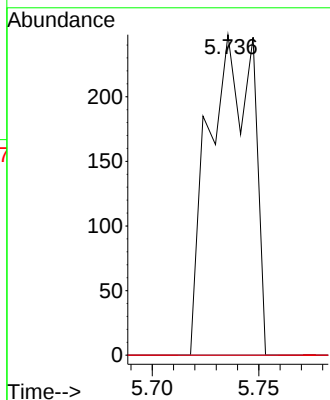
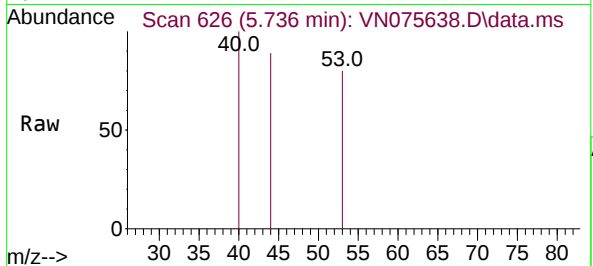




#15
Acrylonitrile
Concen: 0.312 ug/l
RT: 5.736 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

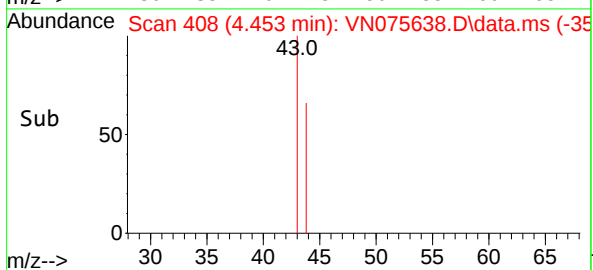
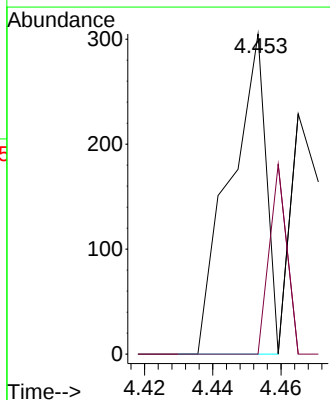
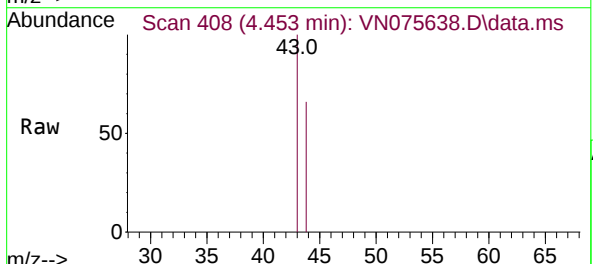
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

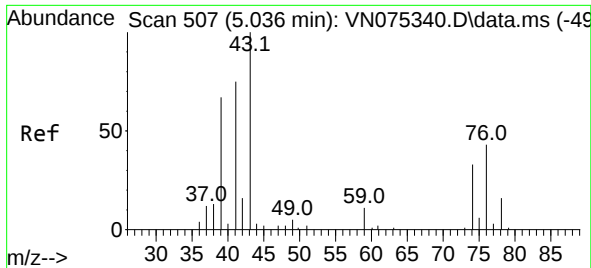
Tgt Ion: 53 Resp: 357
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 0.0 29.6 44.4#



#16
Acetone
Concen: 0.201 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.017 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#

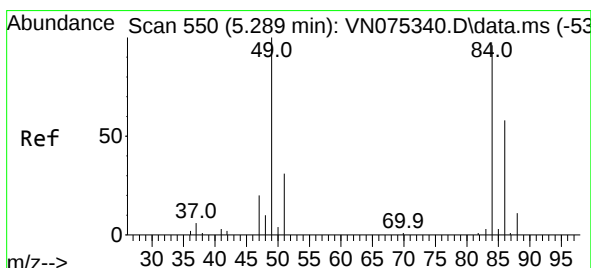
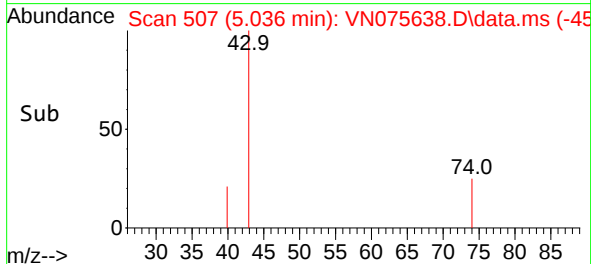
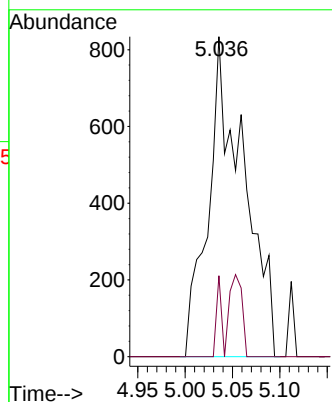
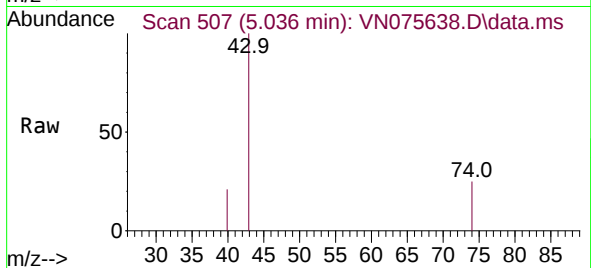




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

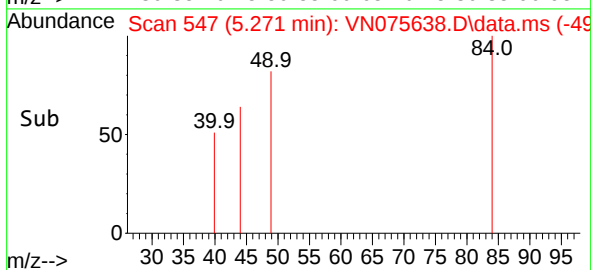
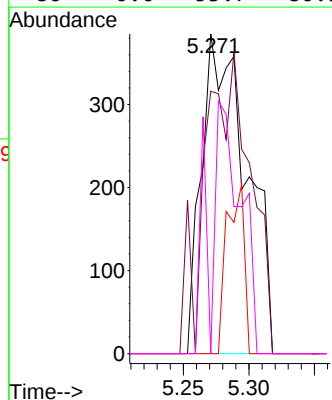
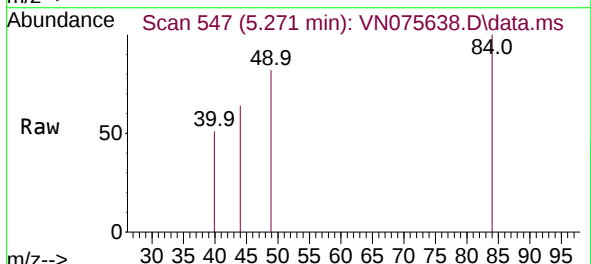
Instrument :
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ClientSampleId :
VN1208MBL01

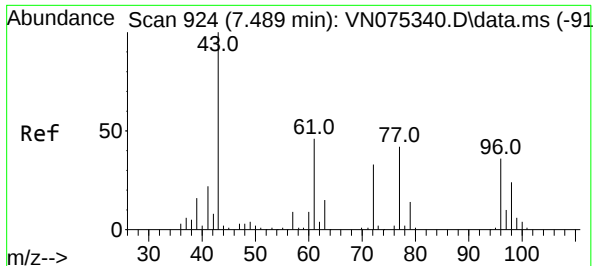
Tgt Ion: 43 Resp: 2171
Ion Ratio Lower Upper
43 100
74 3.4 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 547
Delta R.T. -0.018 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

Tgt Ion: 84 Resp: 922
Ion Ratio Lower Upper
84 100
49 82.1 94.9 142.3#
51 0.0 26.8 40.2#
86 0.0 53.7 80.5#

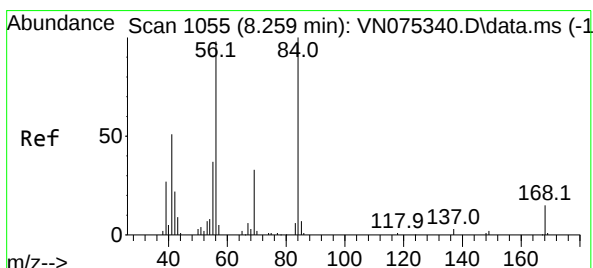
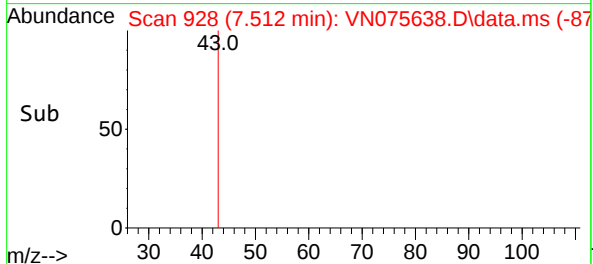
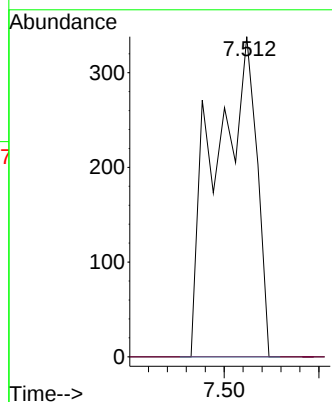
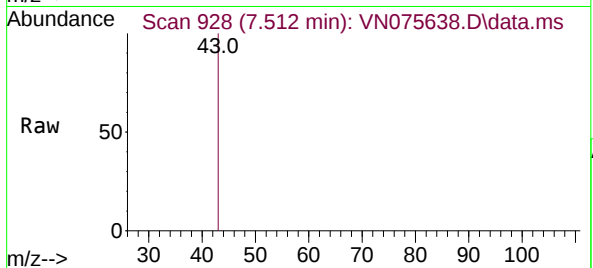




#25
2-Butanone
Concen: 0.331 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

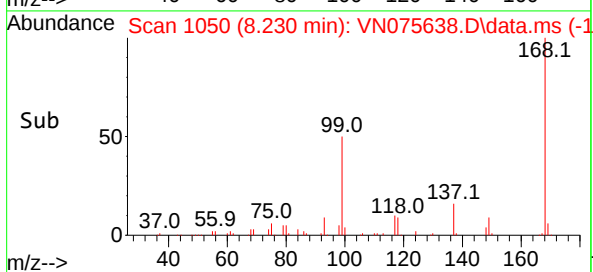
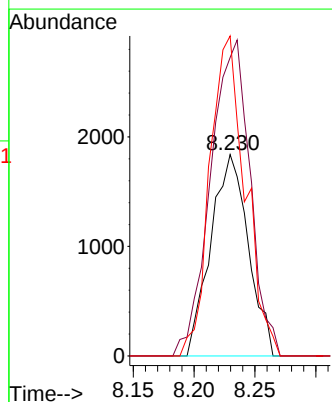
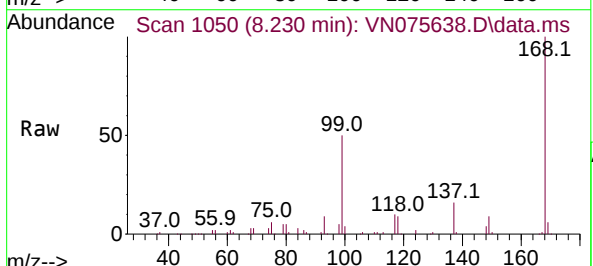
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

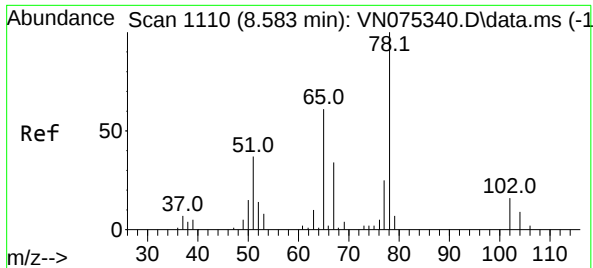
Tgt Ion: 43 Resp: 513
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

Tgt Ion: 56 Resp: 3945
Ion Ratio Lower Upper
56 100
69 148.1 25.2 37.8#
84 158.8 77.8 116.8#

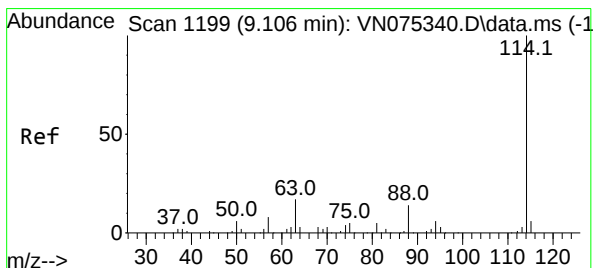
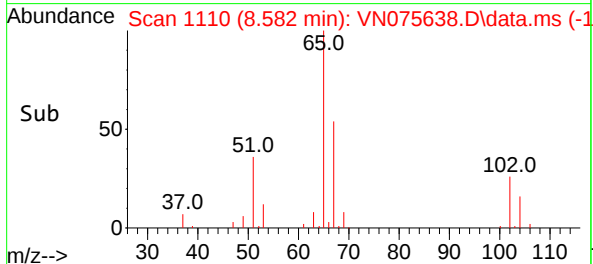
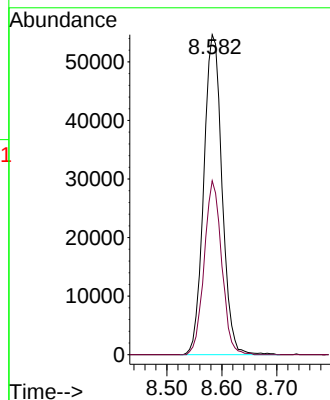
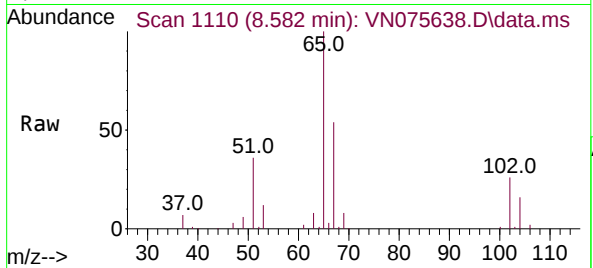




#33
 1,2-Dichloroethane-d4
 Concen: 106.090 ug/l
 RT: 8.582 min Scan# 1110
 Delta R.T. -0.001 min
 Lab File: VN075638.D
 Acq: 08 Dec 2022 10:20

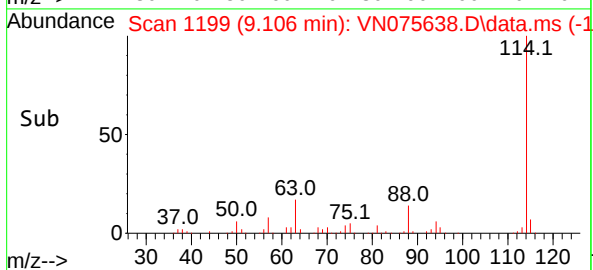
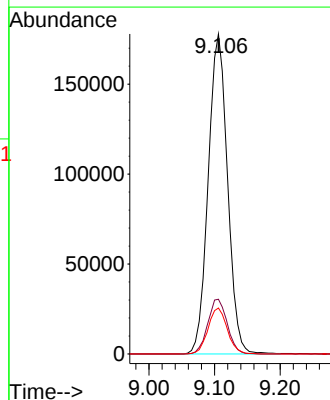
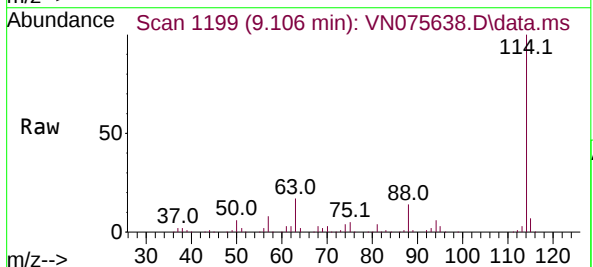
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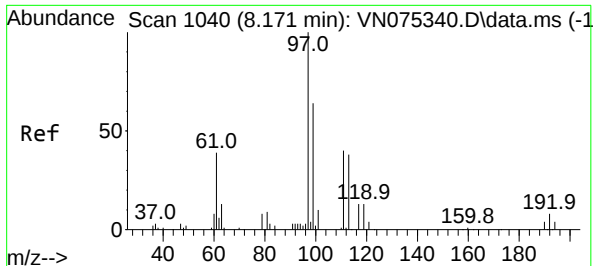
Tgt Ion: 65 Resp: 126140
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN075638.D
 Acq: 08 Dec 2022 10:20

Tgt Ion: 114 Resp: 363769
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 39.6
 88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 79.651 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1208MBL01

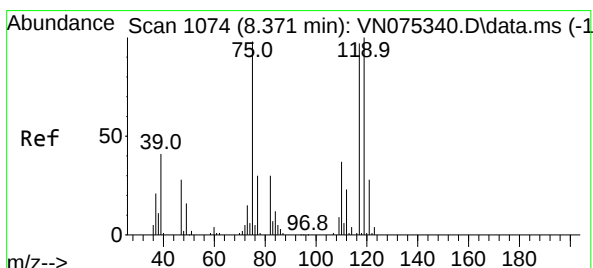
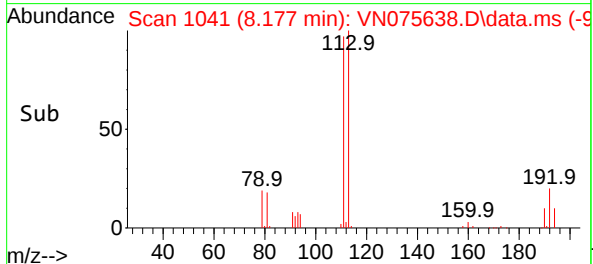
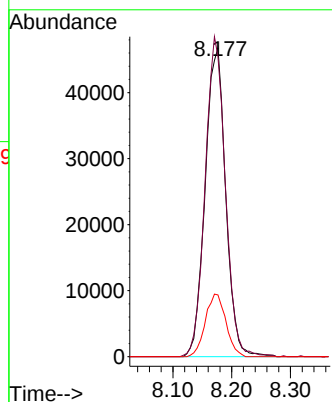
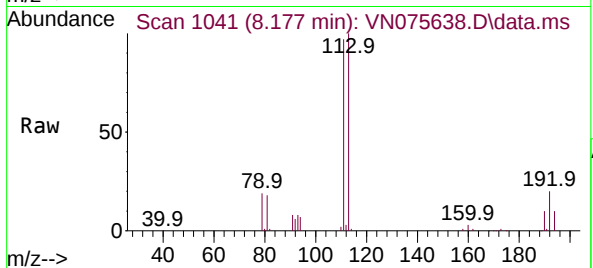
Tgt Ion:113 Resp: 113821

Ion Ratio Lower Upper

113 100

111 101.8 80.5 120.7

192 20.3 13.2 19.8#



#36

1,1-Dichloropropene

Concen: 4.636 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.147 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

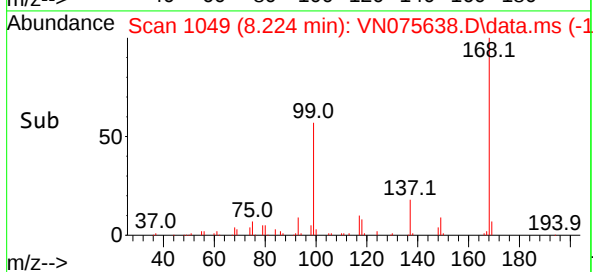
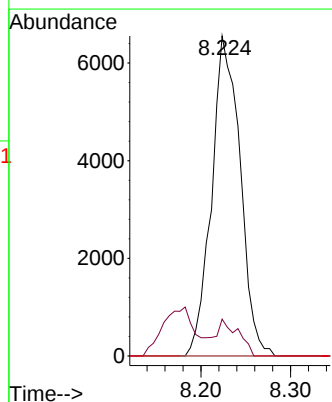
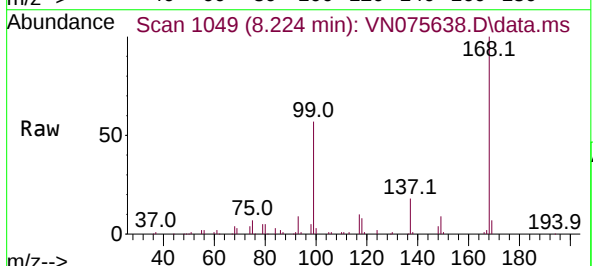
Tgt Ion: 75 Resp: 14446

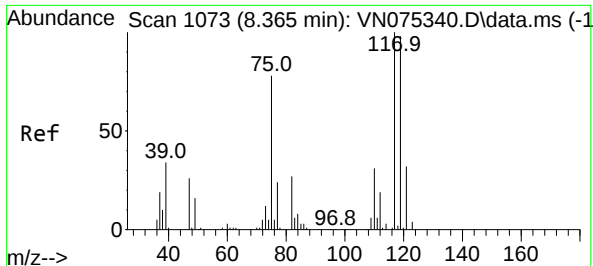
Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

77 0.0 24.6 37.0#

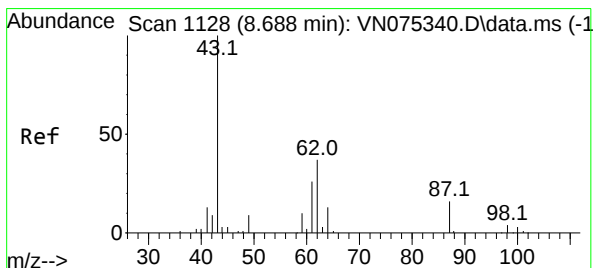
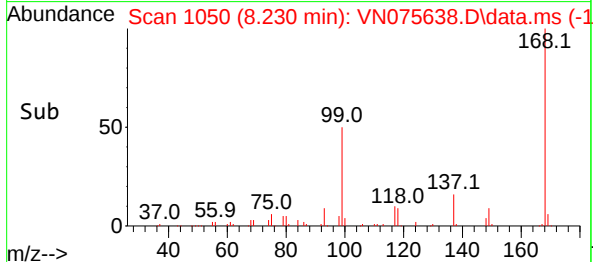
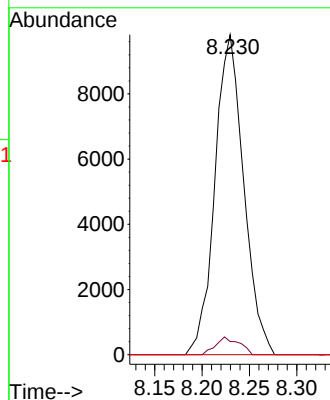
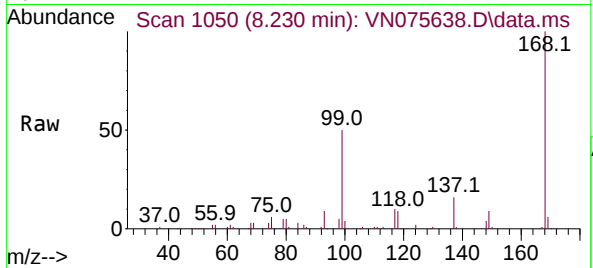




#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

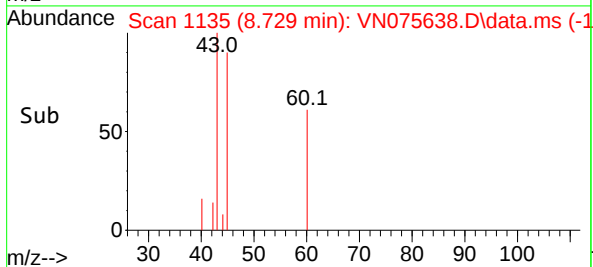
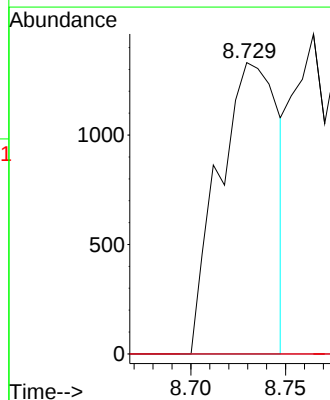
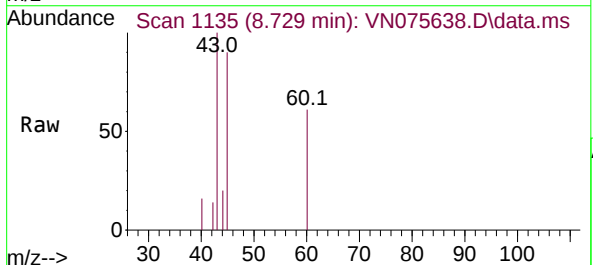
Instrument :
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VN1208MBL01

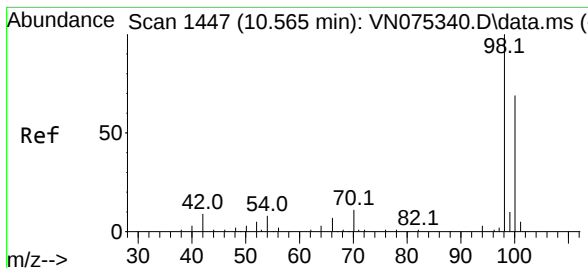
Tgt Ion:117 Resp: 20761
Ion Ratio Lower Upper
117 100
119 4.1 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 0.642 ug/l
RT: 8.729 min Scan# 1135
Delta R.T. 0.041 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

Tgt Ion: 43 Resp: 2893
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#

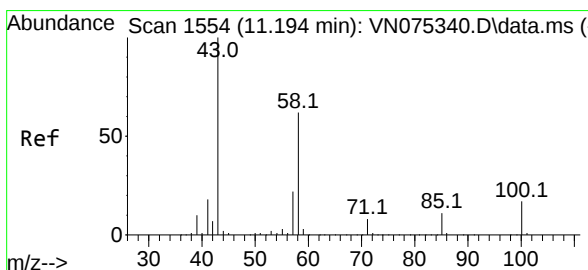
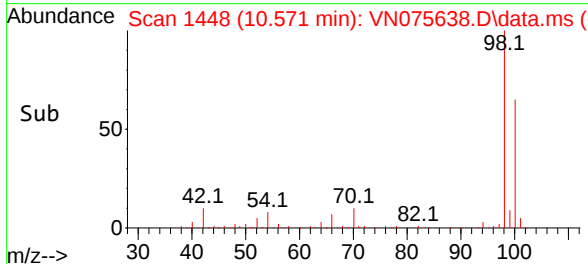
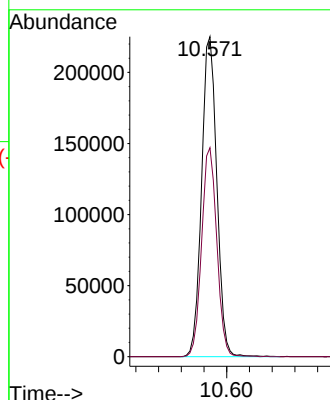
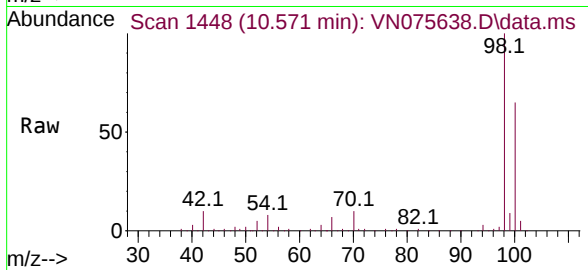




#50
Toluene-d8
Concen: 130.048 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

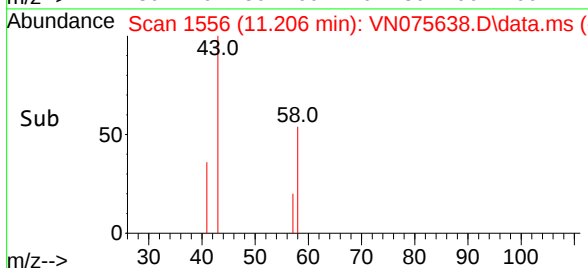
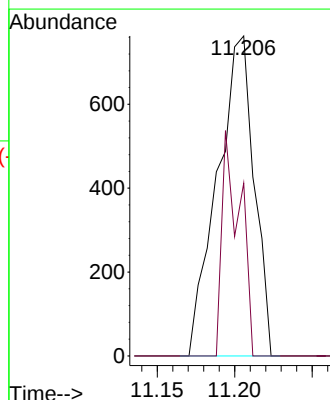
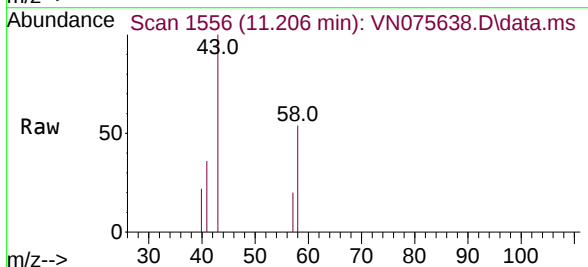
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

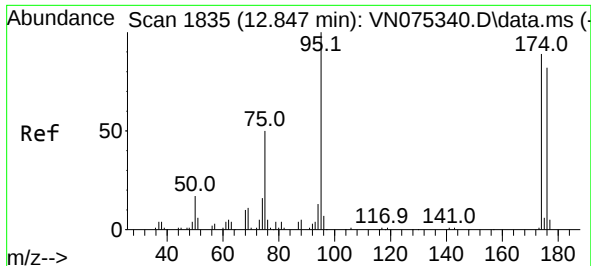
Tgt Ion: 98 Resp: 418562
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6



#59
2-Hexanone
Concen: 0.583 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.012 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

Tgt Ion: 43 Resp: 1256
Ion Ratio Lower Upper
43 100
58 34.6 29.6 88.8





#62

4-Bromofluorobenzene

Concen: 57.222 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1208MBL01

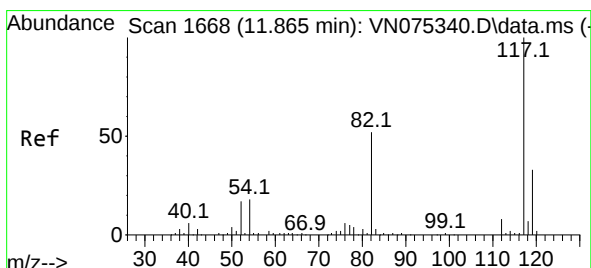
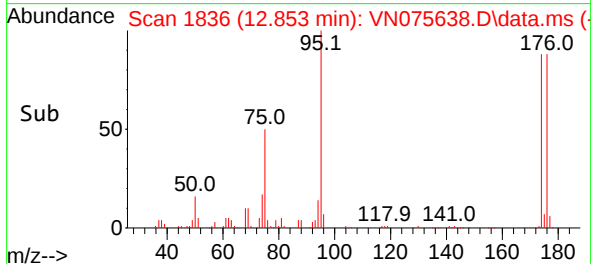
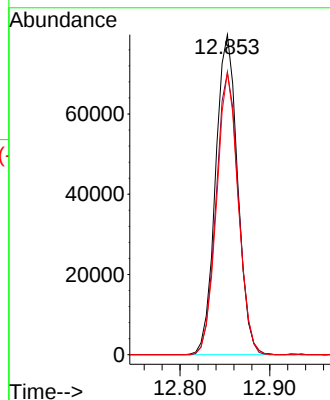
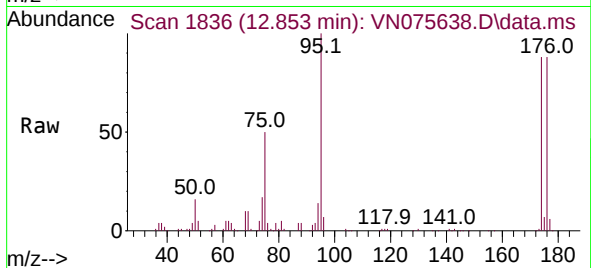
Tgt Ion: 95 Resp: 135938

Ion Ratio Lower Upper

95 100

174 88.7 0.0 147.4

176 86.5 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1669

Delta R.T. 0.005 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

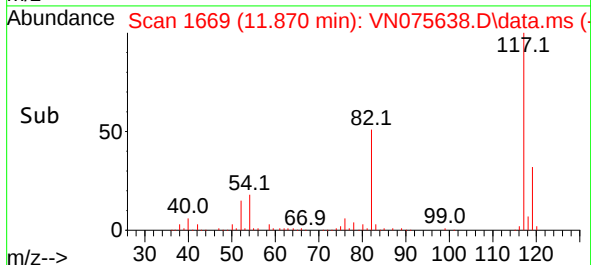
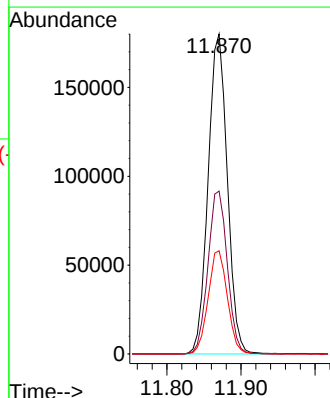
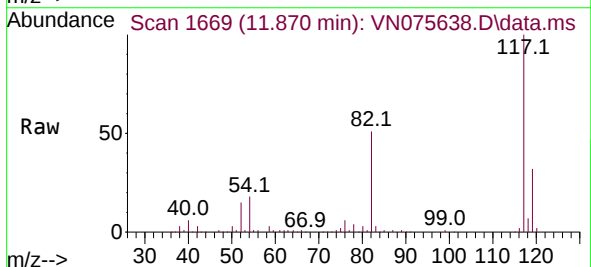
Tgt Ion: 117 Resp: 323693

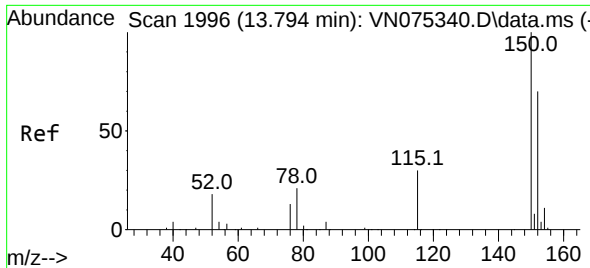
Ion Ratio Lower Upper

117 100

82 50.9 43.1 64.7

119 32.3 25.5 38.3

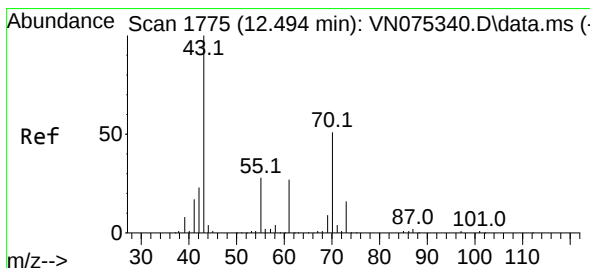
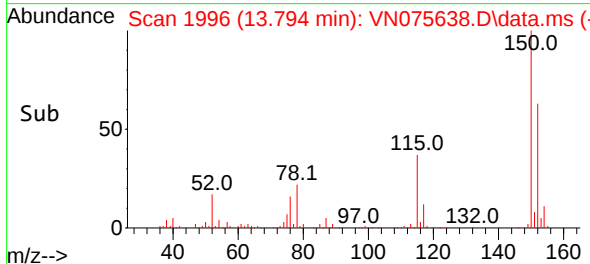
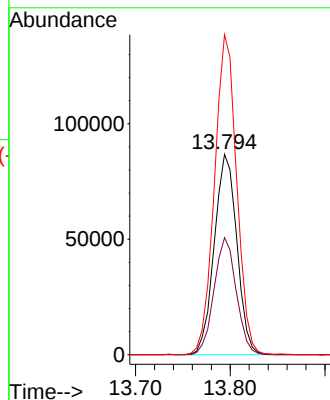
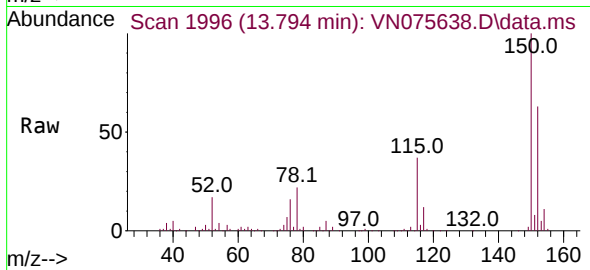




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

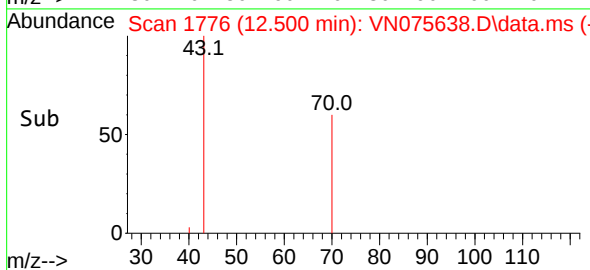
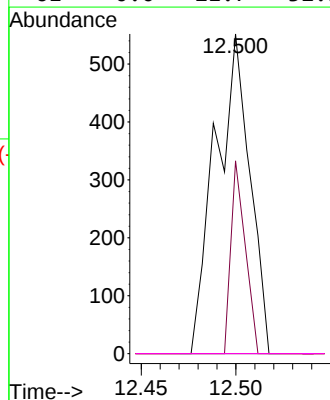
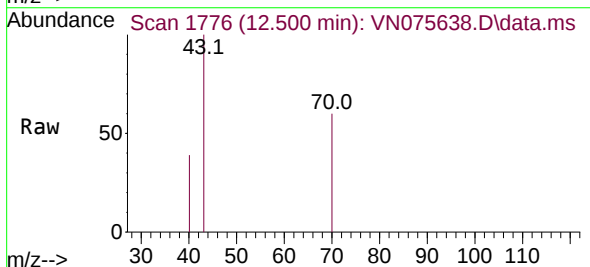
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

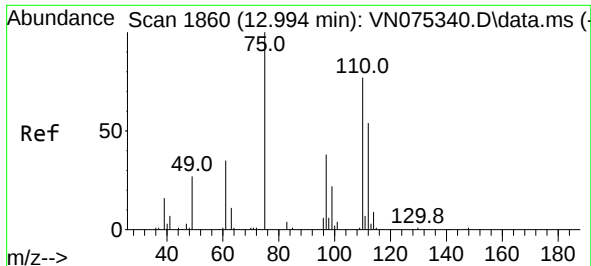
Tgt Ion:152 Resp: 143969
Ion Ratio Lower Upper
152 100
115 57.4 30.2 90.6
150 157.0 0.0 348.4



#74
N-ethyl acetate
Concen: 0.216 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
70 25.1 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

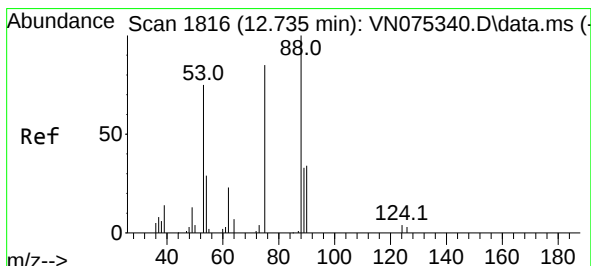
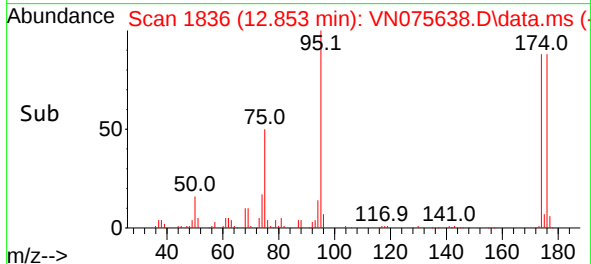
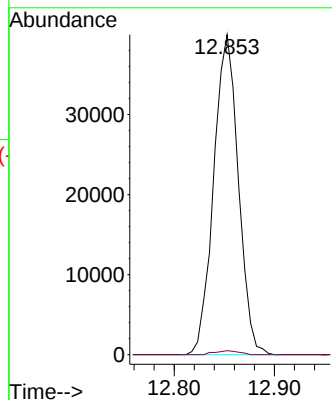
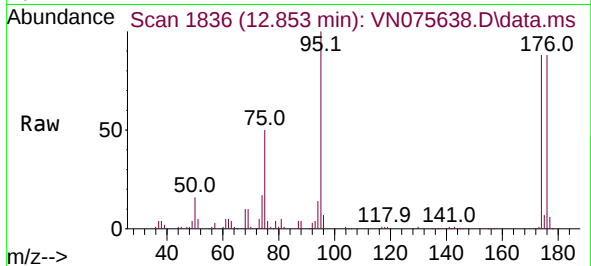




#76
1,2,3-Trichloropropane
Concen: 25.090 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

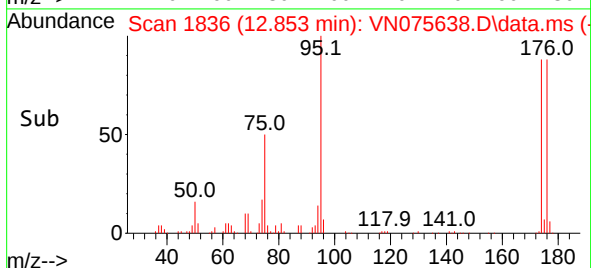
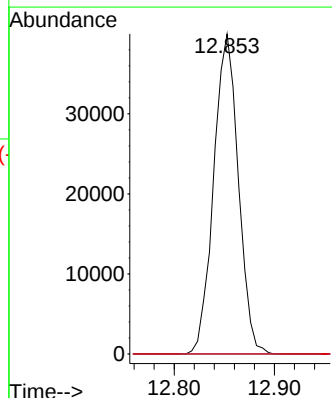
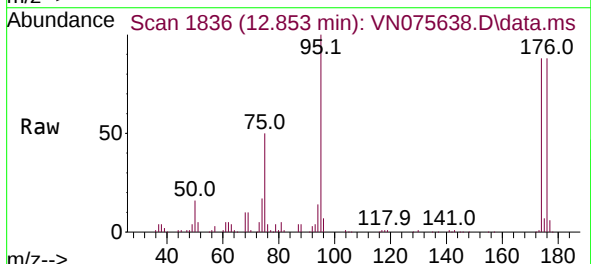
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

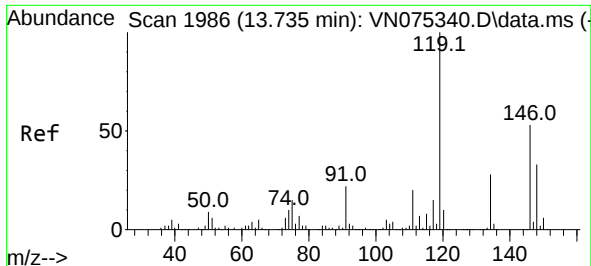
Tgt Ion: 75 Resp: 68298
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.237 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075638.D
Acq: 08 Dec 2022 10:20

Tgt Ion: 75 Resp: 68298
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#87

1,3-Dichlorobenzene

Concen: 0.270 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. -0.006 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1208MBL01

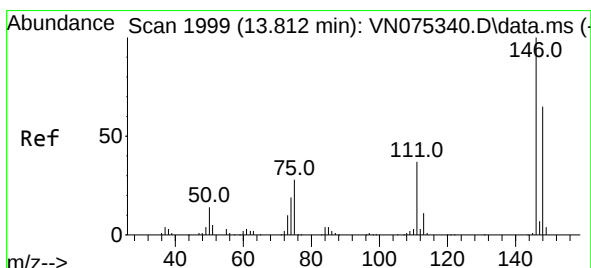
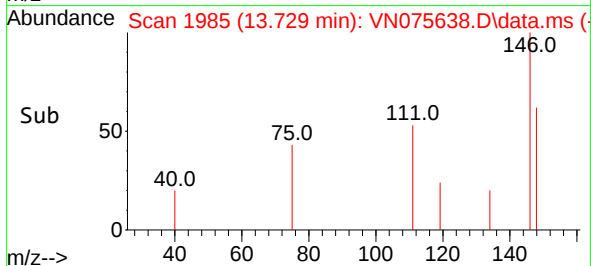
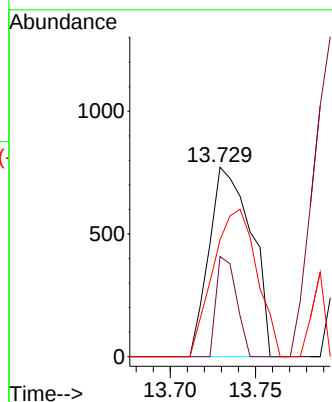
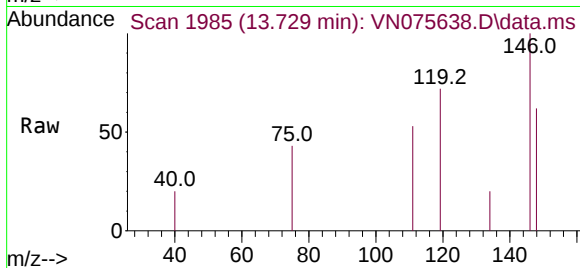
Tgt Ion:146 Resp: 1329

Ion Ratio Lower Upper

146 100

111 25.4 20.8 62.5

148 80.8 31.1 93.5



#88

1,4-Dichlorobenzene

Concen: 0.266 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. -0.083 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

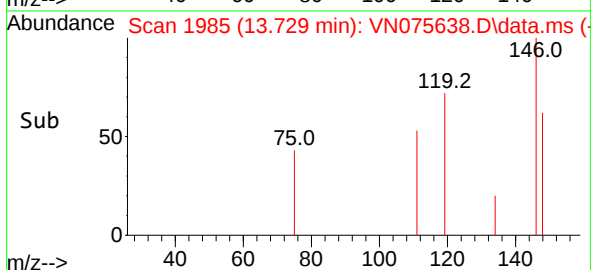
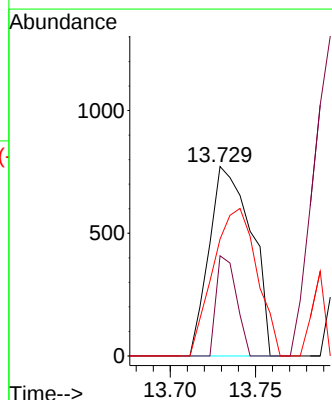
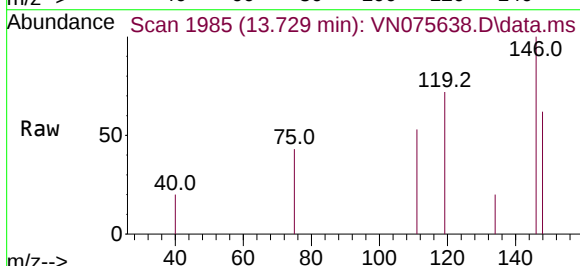
Tgt Ion:146 Resp: 1329

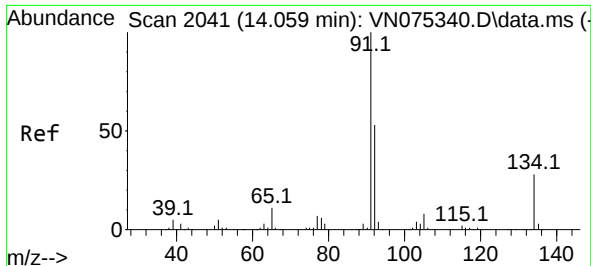
Ion Ratio Lower Upper

146 100

111 25.4 20.1 60.3

148 80.8 31.9 95.7





#89

n-Butylbenzene

Concen: 0.217 ug/l

RT: 14.059 min Scan# 2041

Delta R.T. -0.000 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

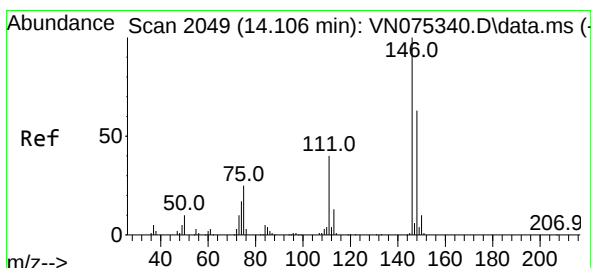
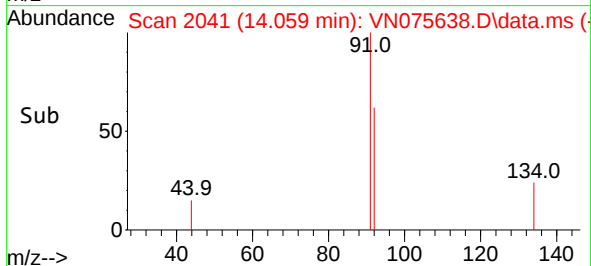
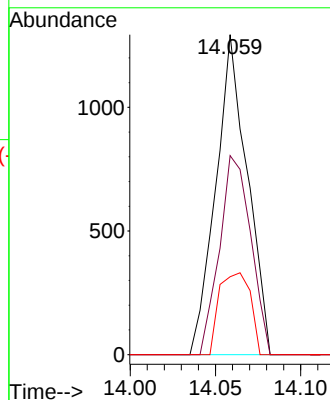
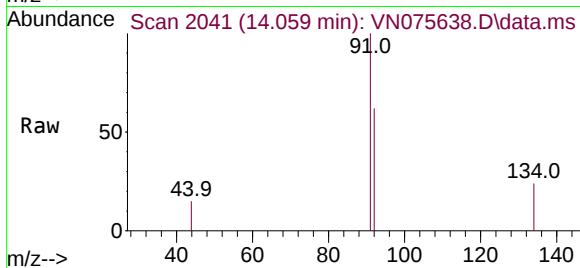
Instrument :

MSVOA_N

ClientSampleId :

VN1208MBL01

Tgt Ion: 91	Resp: 1664
Ion Ratio	Lower Upper
91	100
92	61.8 26.5 79.4
134	25.2 13.0 39.0



#91

1,2-Dichlorobenzene

Concen: 0.311 ug/l

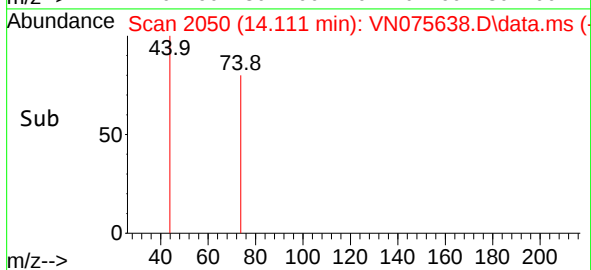
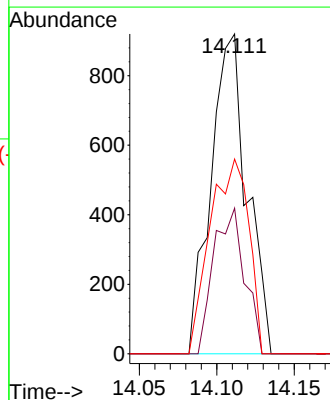
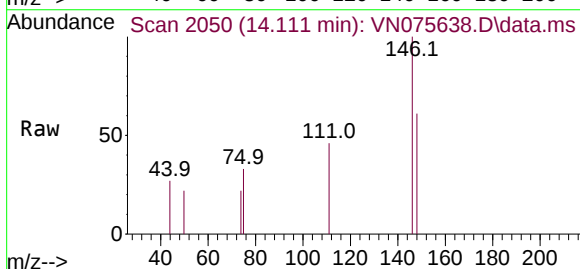
RT: 14.111 min Scan# 2050

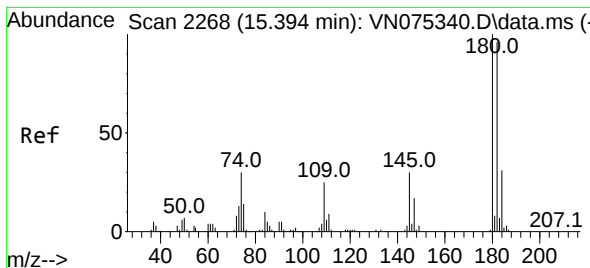
Delta R.T. 0.005 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

Tgt Ion: 146	Resp: 1493
Ion Ratio	Lower Upper
146	100
111	39.0 21.3 63.9
148	65.2 31.4 94.2





#93

1,2,4-Trichlorobenzene

Concen: 0.909 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1208MBL01

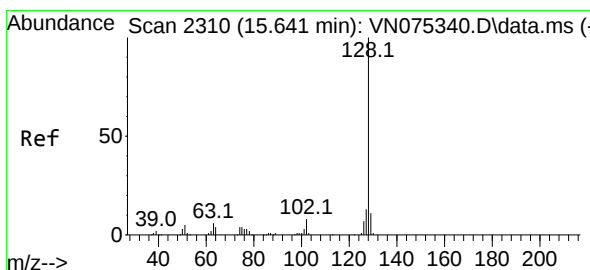
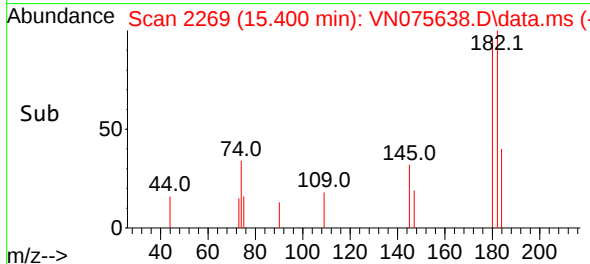
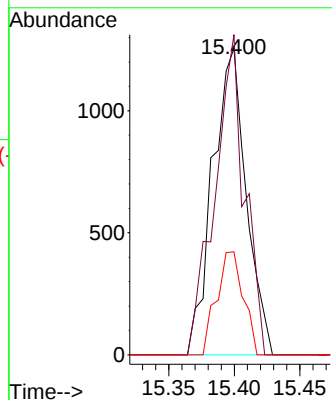
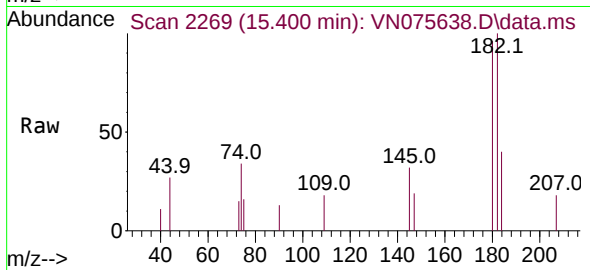
Tgt Ion:180 Resp: 2233

Ion Ratio Lower Upper

180 100

182 92.8 47.8 143.4

145 26.7 16.8 50.3



#95

Naphthalene

Concen: 1.368 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN075638.D

Acq: 08 Dec 2022 10:20

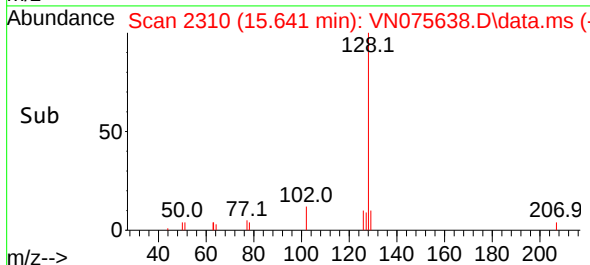
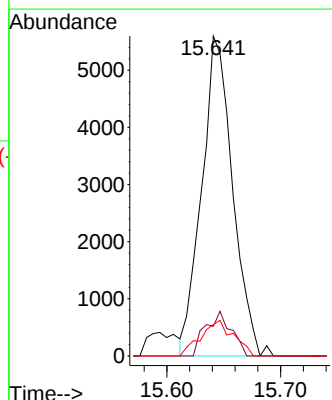
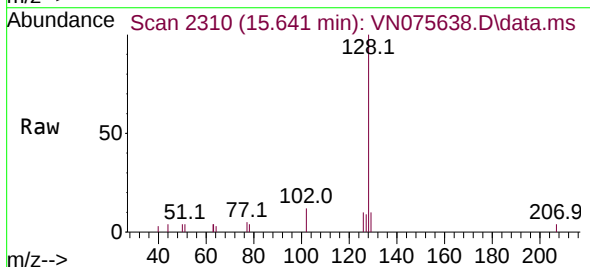
Tgt Ion:128 Resp: 10580

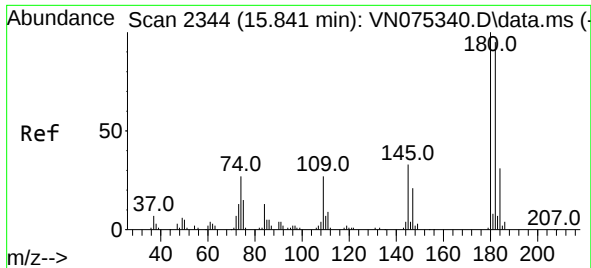
Ion Ratio Lower Upper

128 100

127 11.6 10.4 15.6

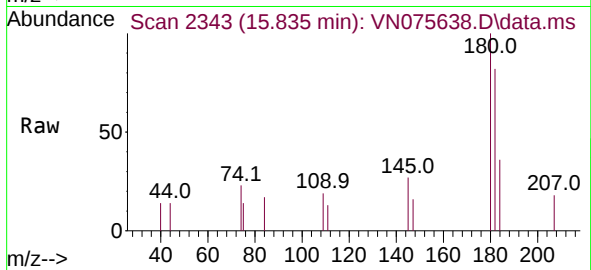
129 11.7 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.105 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN075638.D
 Acq: 08 Dec 2022 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208MBL01



Tgt Ion:180 Resp: 2668
 Ion Ratio Lower Upper
 180 100
 182 101.7 47.3 141.8
 145 0.0 17.6 52.9#

