

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075837.D
 Acq On : 16 Dec 2022 10:52
 Operator : JC\MD
 Sample : VN1216WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBL01

Quant Time: Dec 17 08:36:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

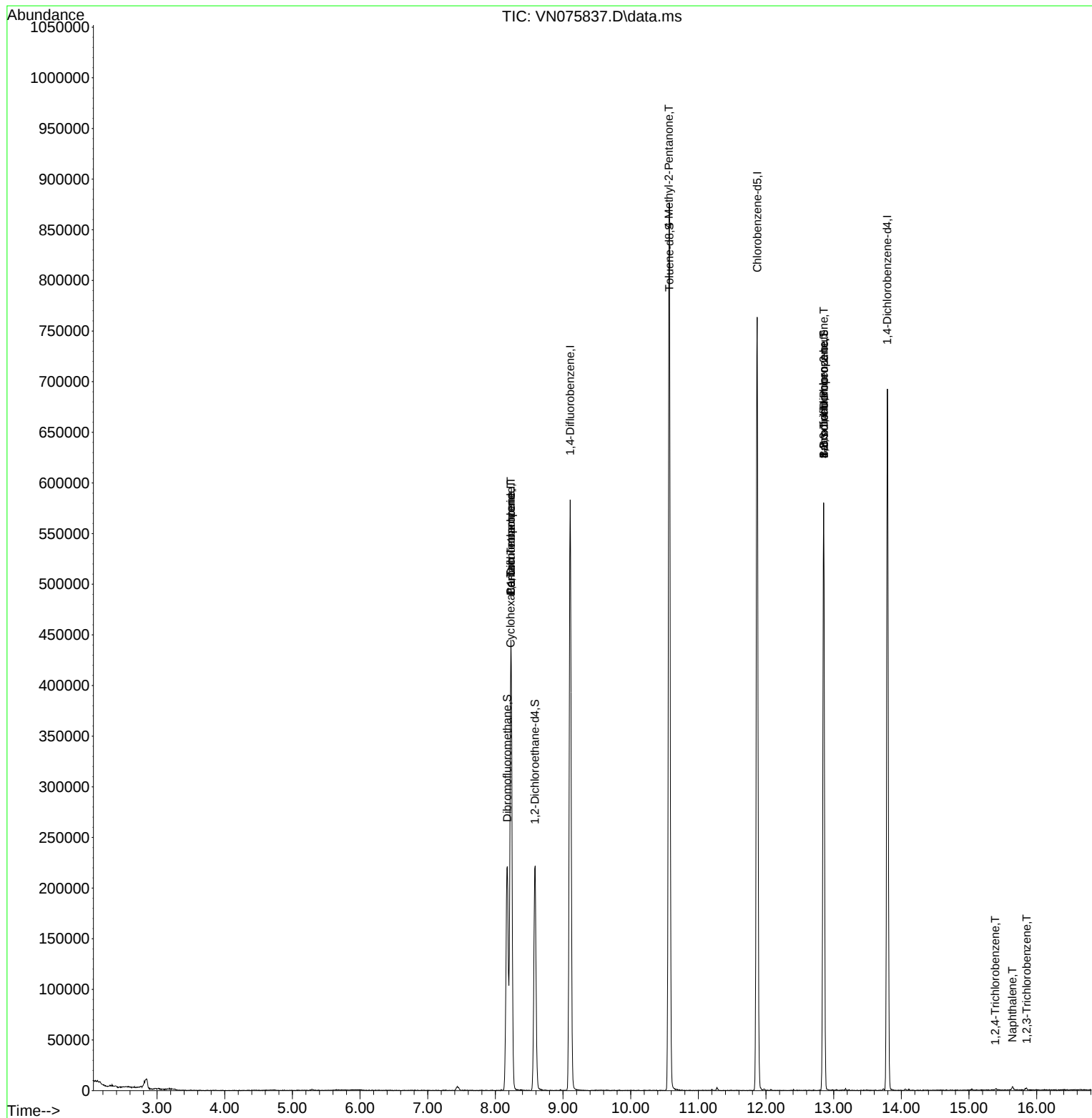
Internal Standards						
1) Pentafluorobenzene	8.229	168	342882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	537546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	465973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	182225	48.851	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.700%		
35) Dibromofluoromethane	8.176	113	160365	48.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.340%		
50) Toluene-d8	10.570	98	622138	49.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.960%		
62) 4-Bromofluorobenzene	12.853	95	193636	46.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.940%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.288	84	847	Below Cal	#	57
31) Cyclohexane	8.223	56	6535	1.223	ug/l #	26
36) 1,1-Dichloropropene	8.229	75	23908	5.406	ug/l #	49
38) Carbon Tetrachloride	8.229	117	32474	6.561	ug/l #	16
51) 4-Methyl-2-Pentanone	10.564	43	2346	0.662	ug/l #	1
71) Bromoform	12.853	173	1569	0.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	100643	25.887	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100643	93.182	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.388	180	801	0.252	ug/l #	85
95) Naphthalene	15.641	128	4172	2.558	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.852	180	839	0.283	ug/l #	83

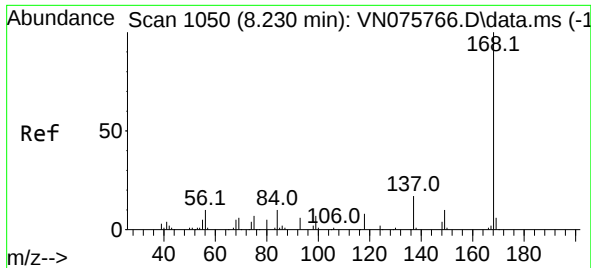
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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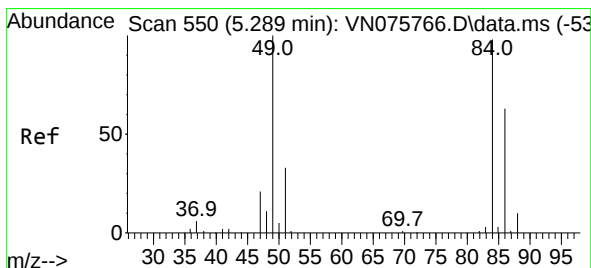
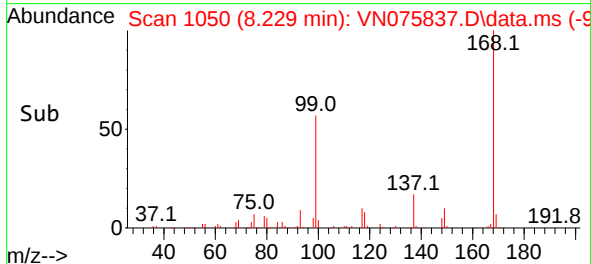
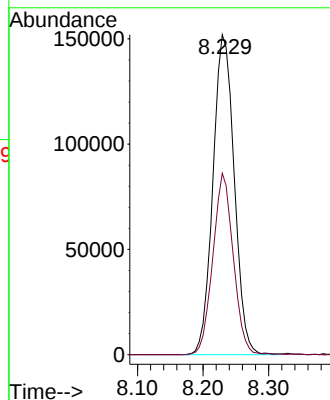
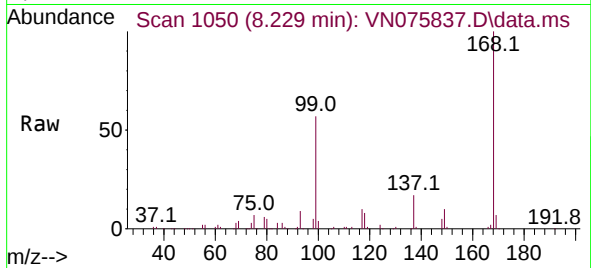




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

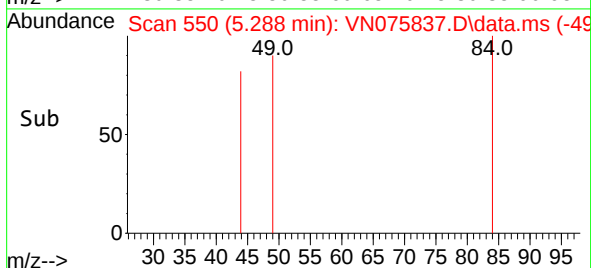
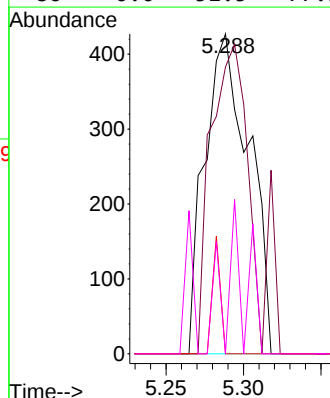
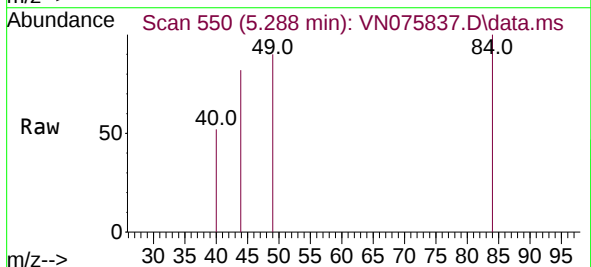
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBL01

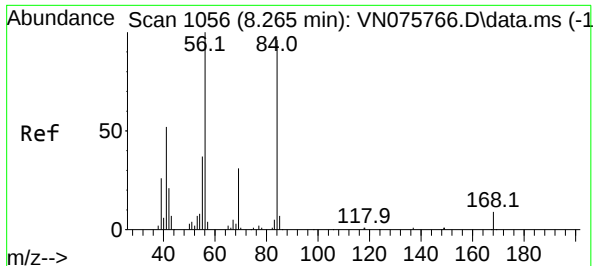
Tgt Ion:168 Resp: 342882
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.288 min Scan# 550
Delta R.T. -0.001 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

Tgt Ion: 84 Resp: 847
Ion Ratio Lower Upper
84 100
49 89.7 81.8 122.6
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#





#31

Cyclohexane

Concen: 1.223 ug/l

RT: 8.223 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN075837.D

Acq: 16 Dec 2022 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBL01

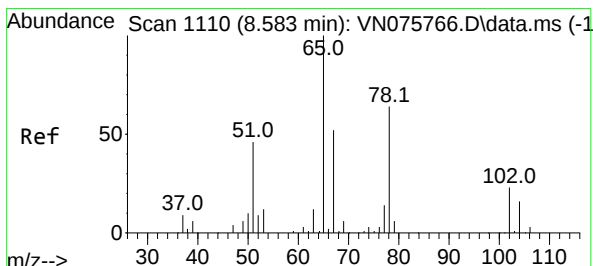
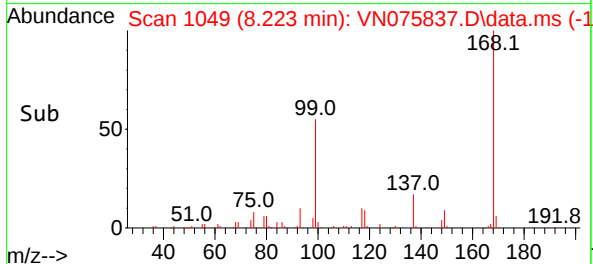
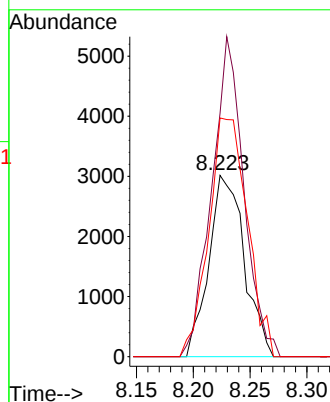
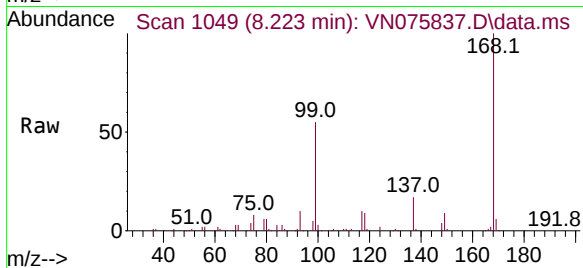
Tgt Ion: 56 Resp: 6535

Ion Ratio Lower Upper

56 100

69 134.1 24.7 37.1#

84 131.7 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 48.851 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075837.D

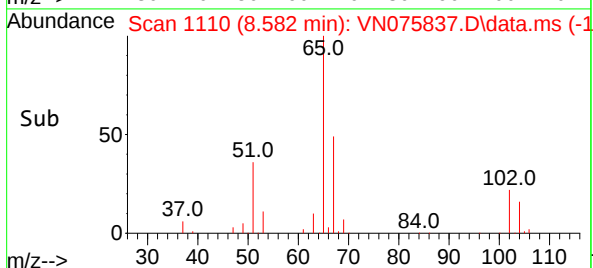
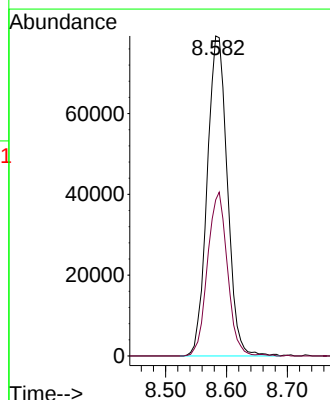
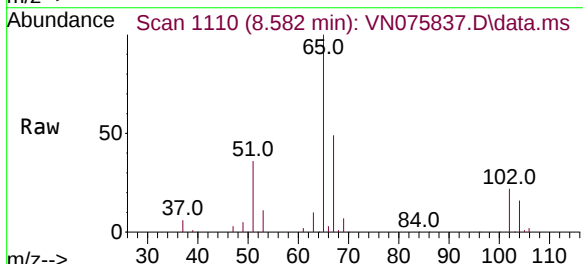
Acq: 16 Dec 2022 10:52

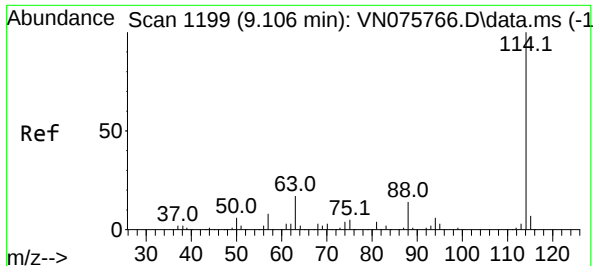
Tgt Ion: 65 Resp: 182225

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075837.D

Acq: 16 Dec 2022 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBL01

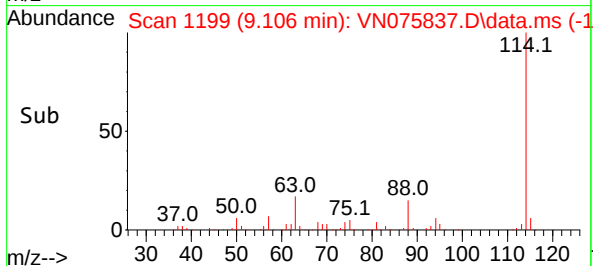
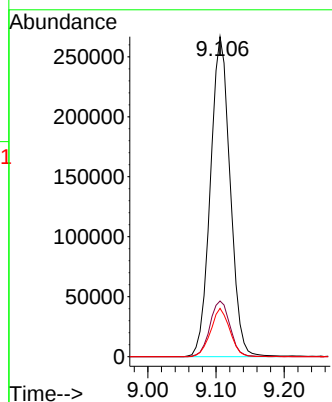
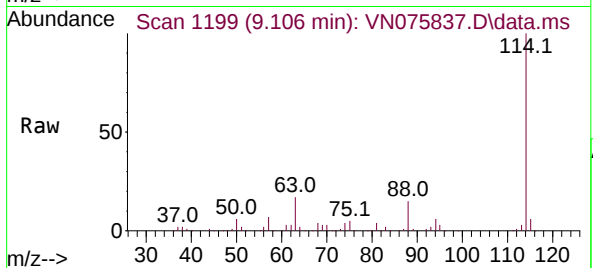
Tgt Ion:114 Resp: 537546

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 15.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.173 ug/l

RT: 8.176 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075837.D

Acq: 16 Dec 2022 10:52

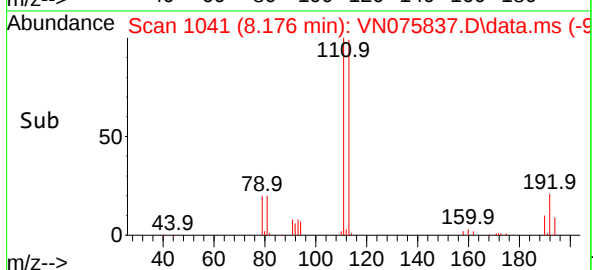
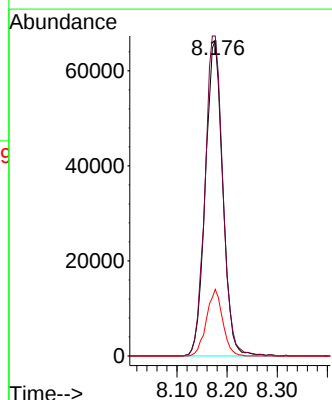
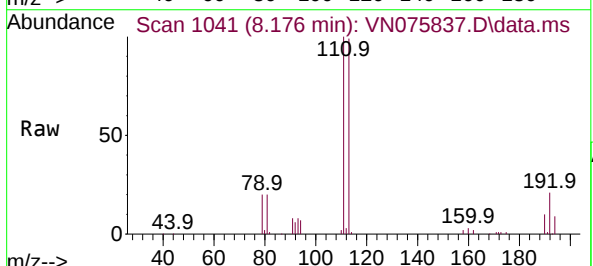
Tgt Ion:113 Resp: 160365

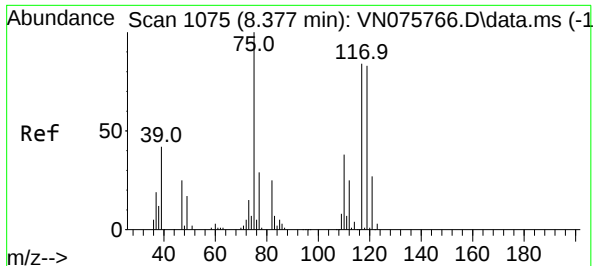
Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.2

192 19.7 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.406 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075837.D

Acq: 16 Dec 2022 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBL01

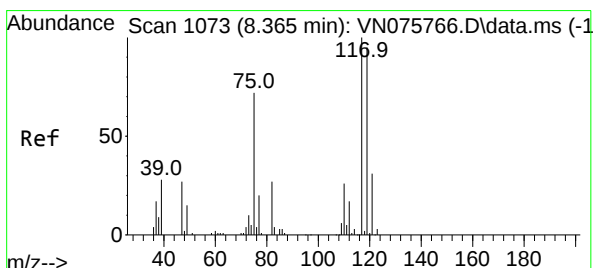
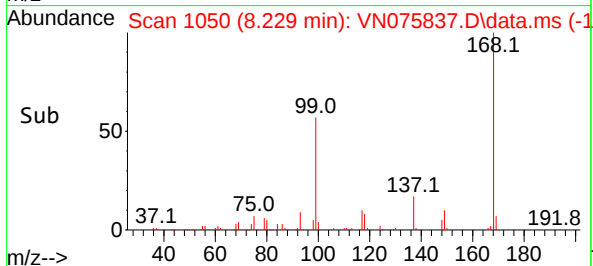
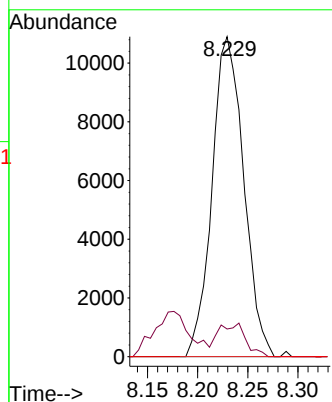
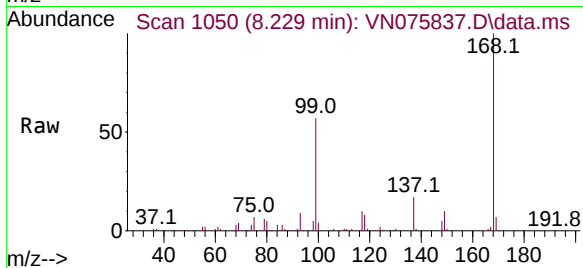
Tgt Ion: 75 Resp: 23908

Ion Ratio Lower Upper

75 100

110 9.0 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.561 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.136 min

Lab File: VN075837.D

Acq: 16 Dec 2022 10:52

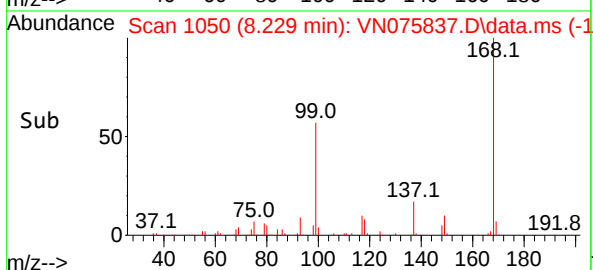
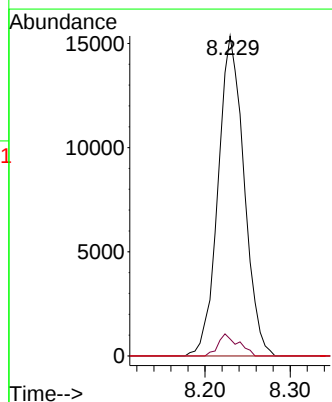
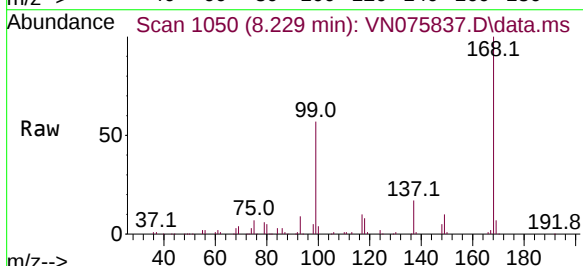
Tgt Ion: 117 Resp: 32474

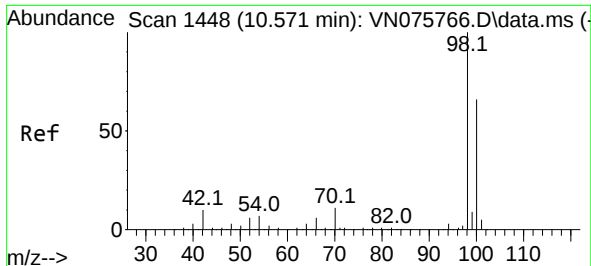
Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

121 0.0 24.5 36.7#

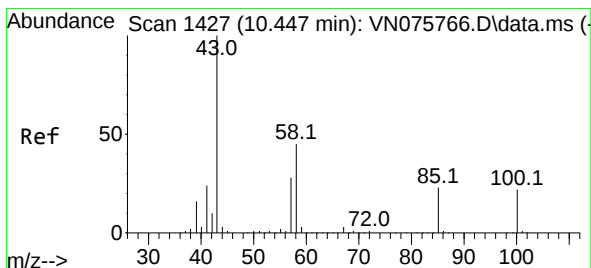
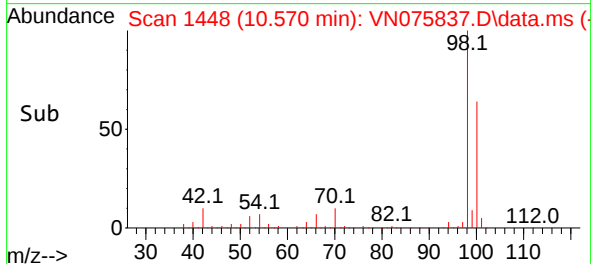
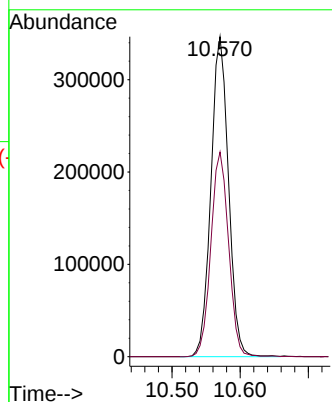
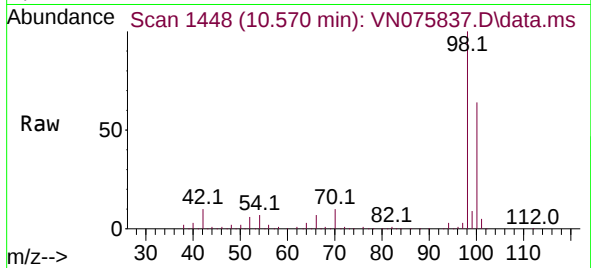




#50
Toluene-d8
Concen: 49.985 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

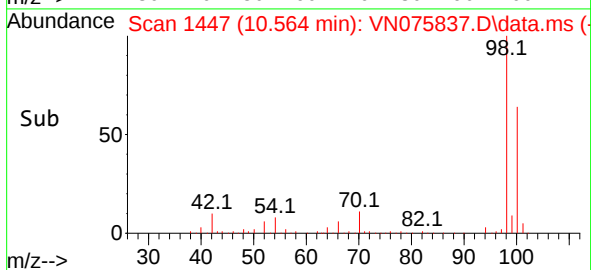
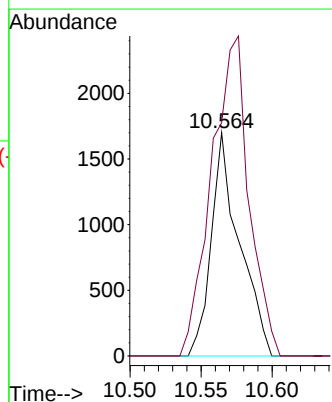
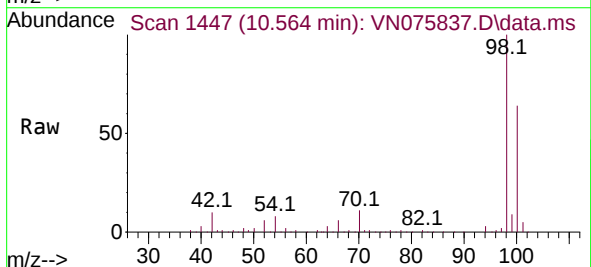
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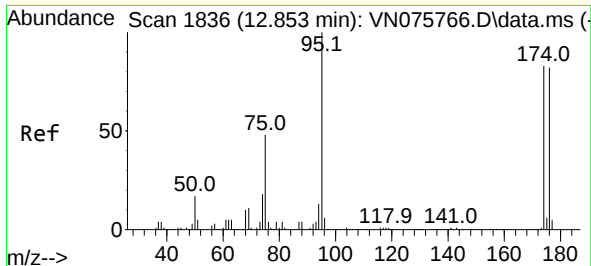
Tgt Ion: 98 Resp: 622138
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.662 ug/l
RT: 10.564 min Scan# 1447
Delta R.T. 0.117 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

Tgt Ion: 43 Resp: 2346
Ion Ratio Lower Upper
43 100
58 190.2 35.5 53.3#

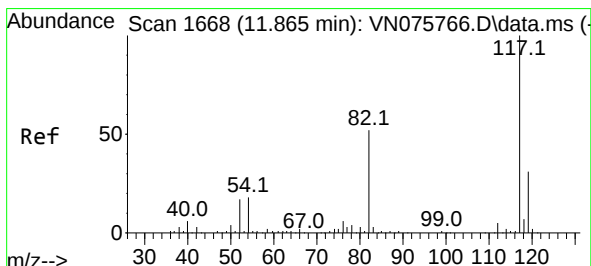
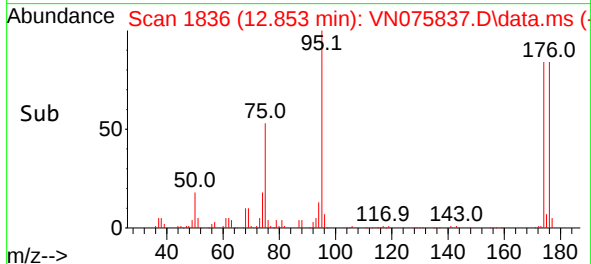
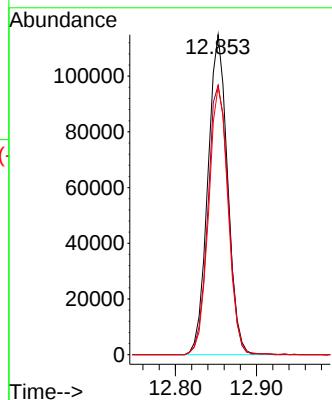
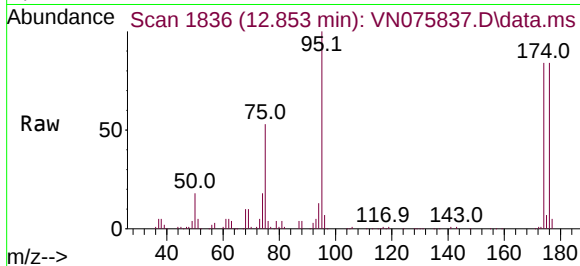




#62
4-Bromofluorobenzene
Concen: 46.971 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

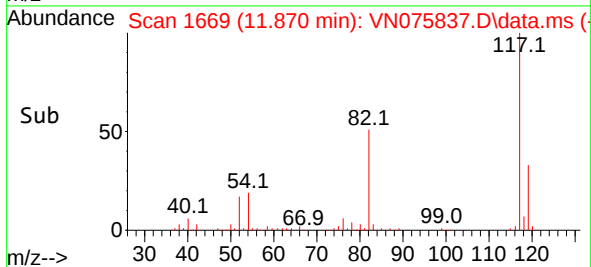
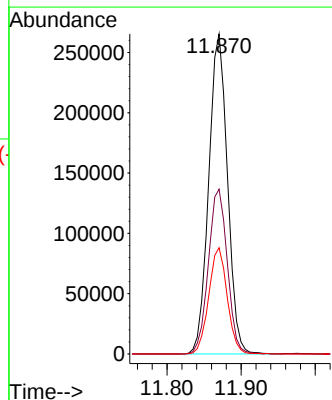
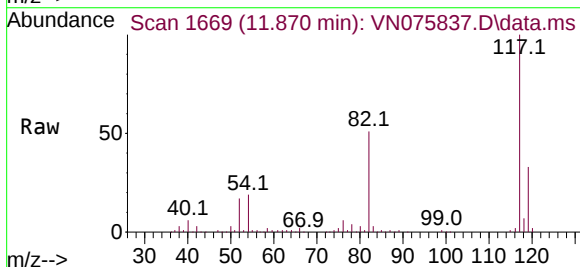
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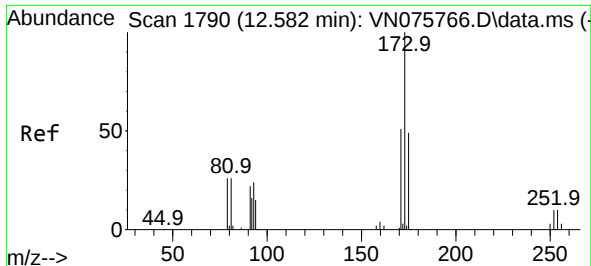
Tgt Ion: 95 Resp: 193636
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 83.0 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

Tgt Ion: 117 Resp: 465973
Ion Ratio Lower Upper
117 100
82 51.5 41.3 61.9
119 33.2 24.6 37.0

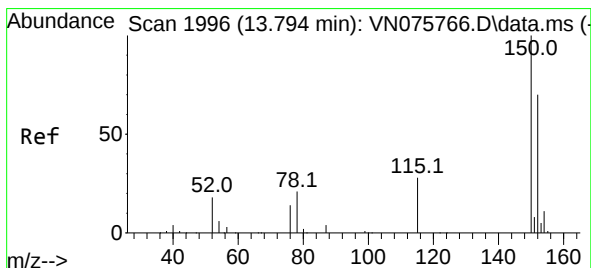
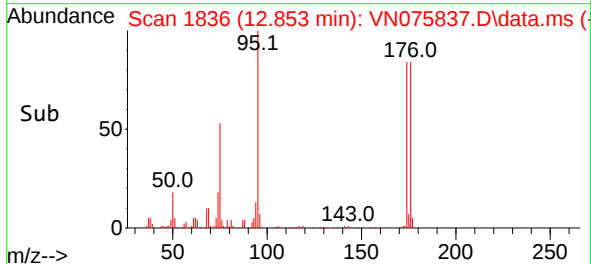
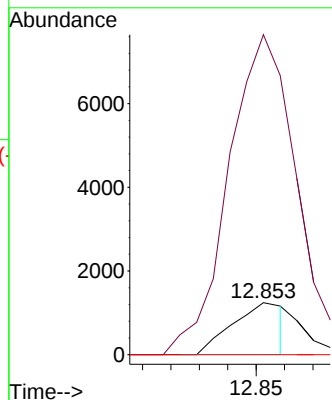
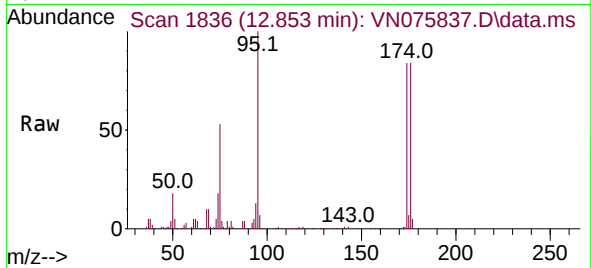




#71
Bromoform
Concen: 0.609 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

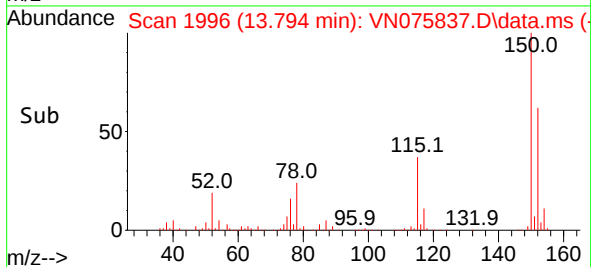
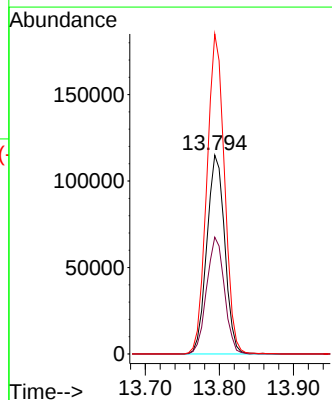
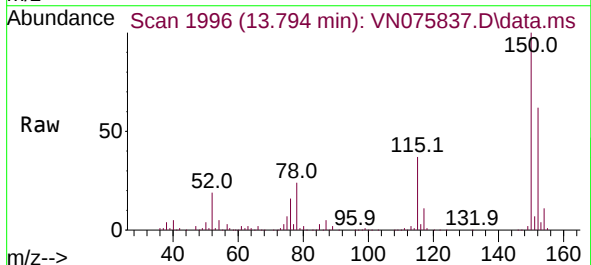
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBL01

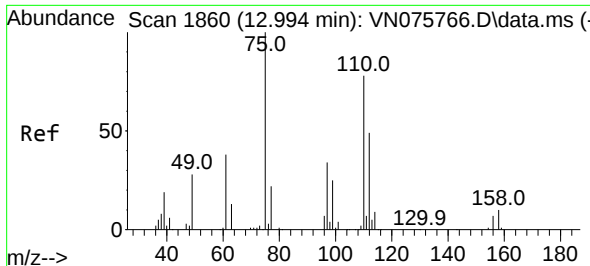
Tgt Ion:173 Resp: 1569
Ion Ratio Lower Upper
173 100
175 646.7 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

Tgt Ion:152 Resp: 192866
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.4
150 158.7 0.0 347.0

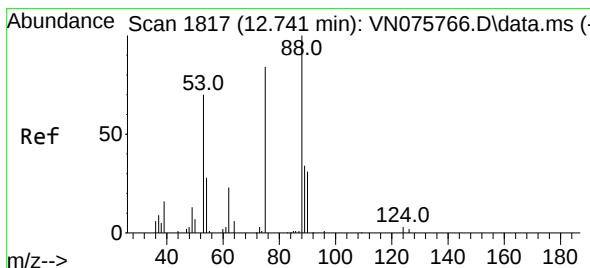
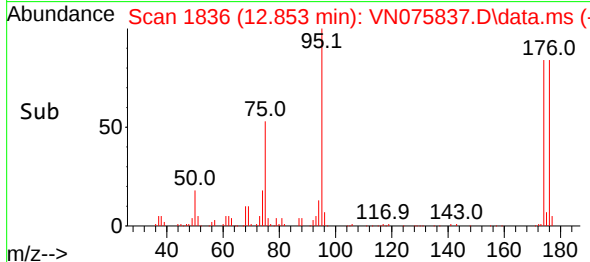
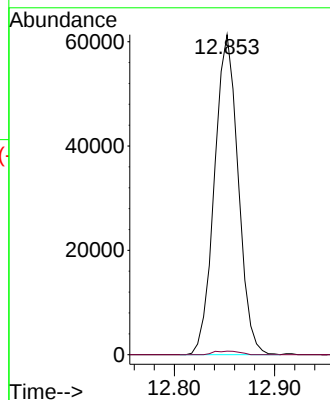
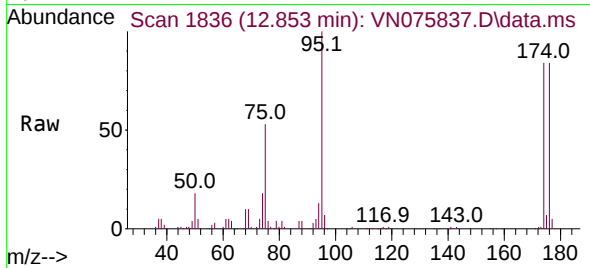




#76
1,2,3-Trichloropropane
Concen: 25.887 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

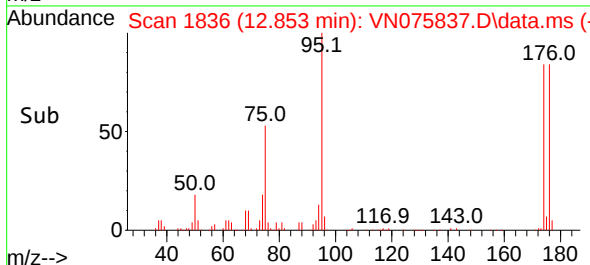
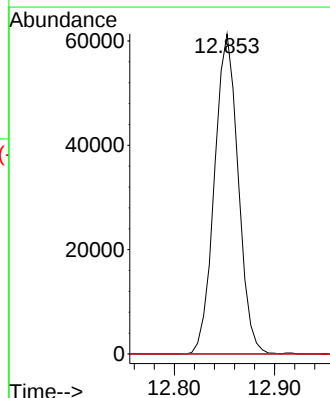
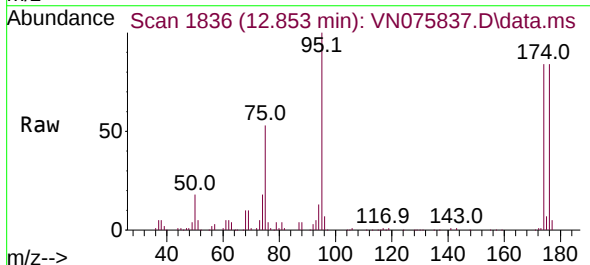
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBL01

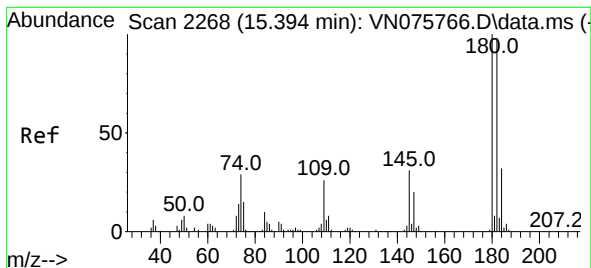
Tgt Ion: 75 Resp: 100643
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.182 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.111 min
Lab File: VN075837.D
Acq: 16 Dec 2022 10:52

Tgt Ion: 75 Resp: 100643
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.252 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN075837.D

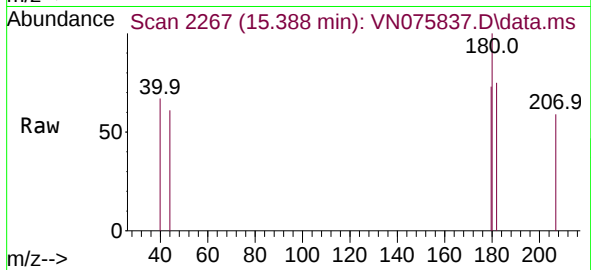
Acq: 16 Dec 2022 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBL01



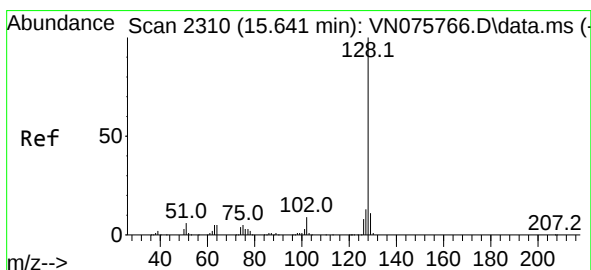
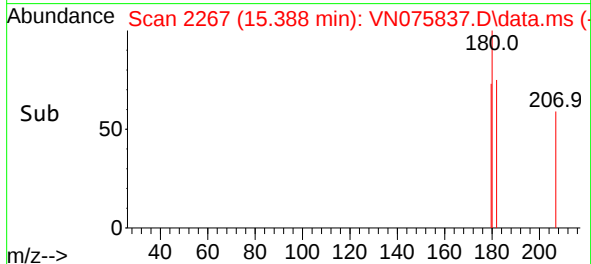
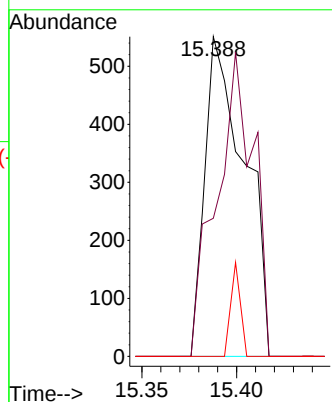
Tgt Ion:180 Resp: 801

Ion Ratio Lower Upper

180 100

182 88.9 47.5 142.5

145 7.1 15.3 45.8#



#95

Naphthalene

Concen: 2.558 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN075837.D

Acq: 16 Dec 2022 10:52

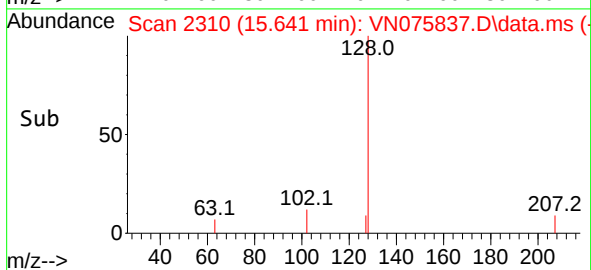
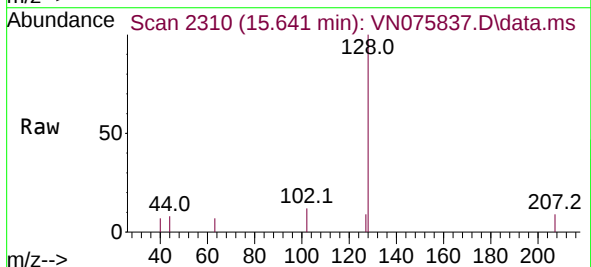
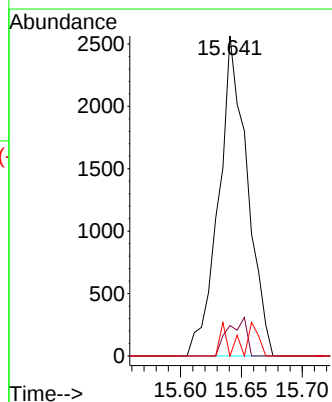
Tgt Ion:128 Resp: 4172

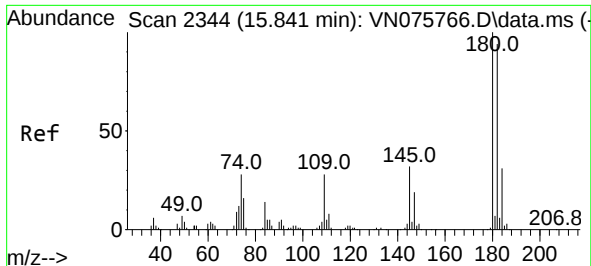
Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

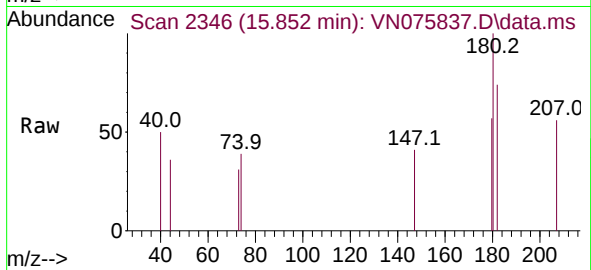
129 2.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.283 ug/l
 RT: 15.852 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VN075837.D
 Acq: 16 Dec 2022 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBL01



Tgt Ion:180 Resp: 839
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.0 141.0
 145 0.0 16.0 47.9#

