

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075821.D
 Acq On : 15 Dec 2022 16:35
 Operator : JC\MD
 Sample : N6004-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 03:10:45 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)

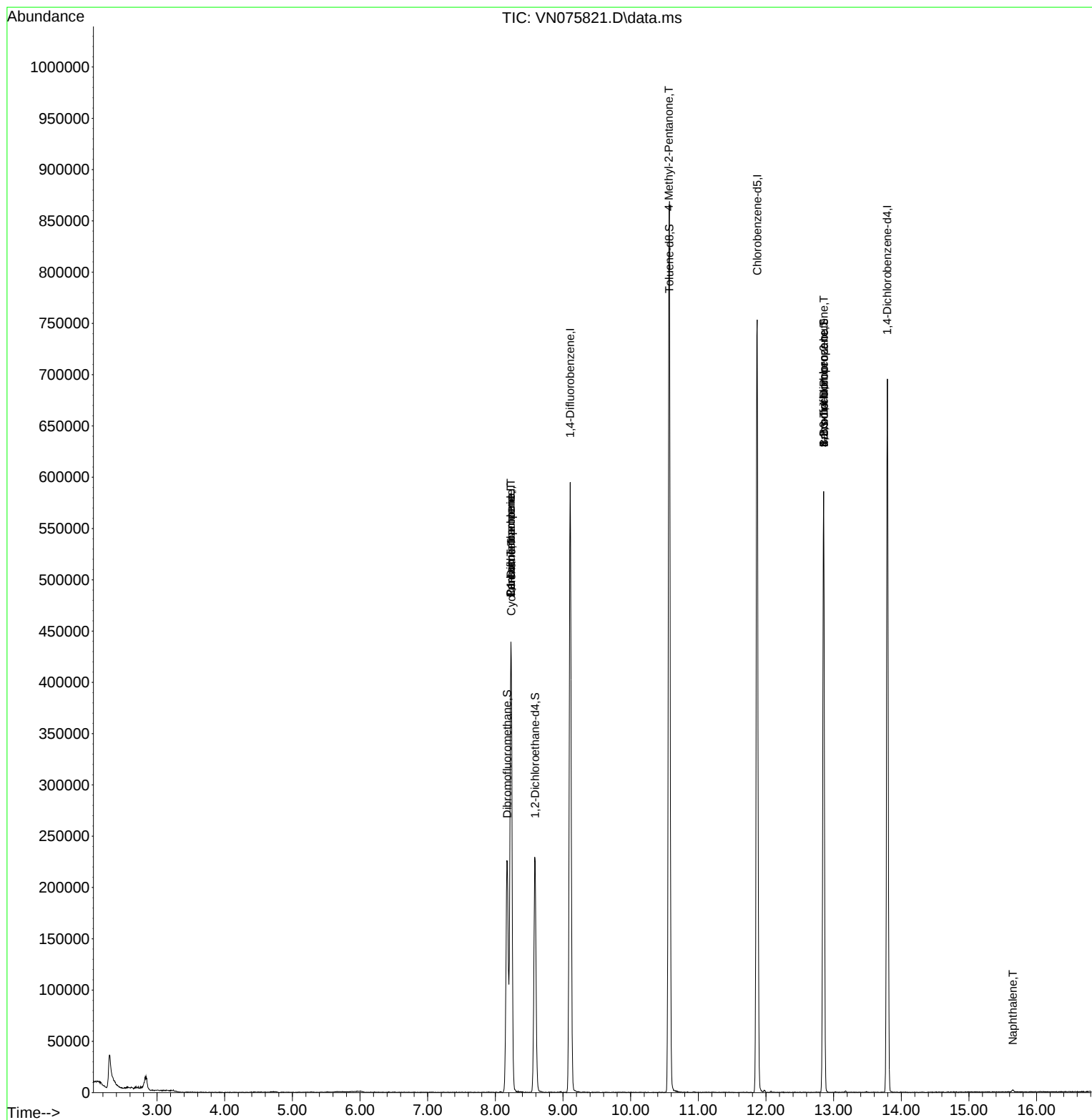
Internal Standards						
1) Pentafluorobenzene	8.230	168	341741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	544892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	471165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	182252	49.021	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.040%
35) Dibromofluoromethane	8.177	113	164894	48.866	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.740%
50) Toluene-d8	10.571	98	630700	49.990	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.980%
62) 4-Bromofluorobenzene	12.853	95	195857	46.870	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.740%
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.271	84	174	Below Cal	#	12
31) Cyclohexane	8.235	56	6584	1.237	ug/l #	9
36) 1,1-Dichloropropene	8.230	75	23699	5.287	ug/l #	50
38) Carbon Tetrachloride	8.230	117	33154	6.608	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	2196	0.611	ug/l #	1
71) Bromoform	12.853	173	1348	0.517	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	98304	24.344	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	98304	87.627	ug/l #	12
95) Naphthalene	15.647	128	2490	2.396	ug/l #	86

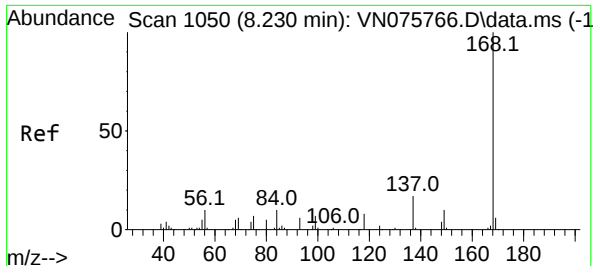
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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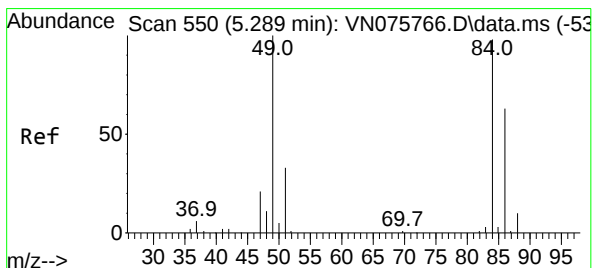
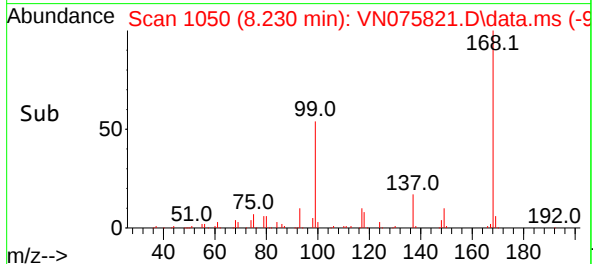
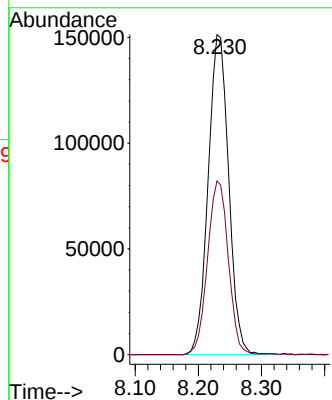
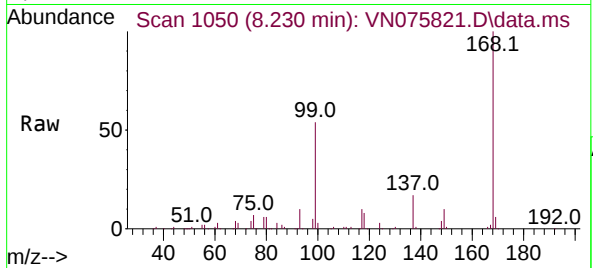




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075821.D
Acq: 15 Dec 2022 16:35

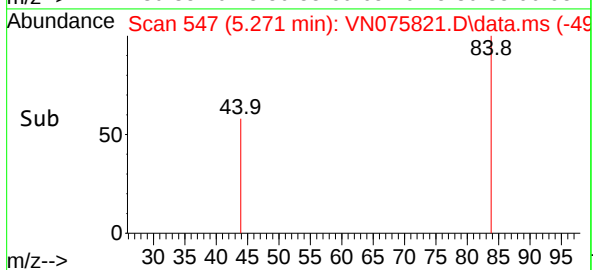
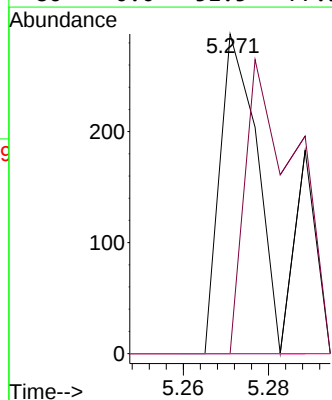
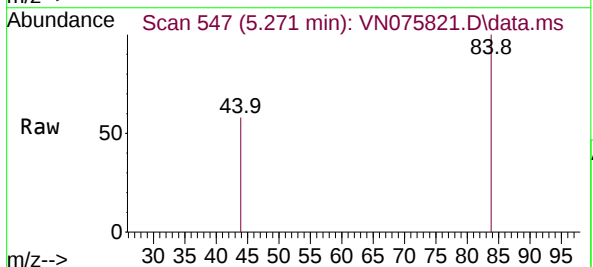
Instrument :
MSVOA_N
ClientSampleId :

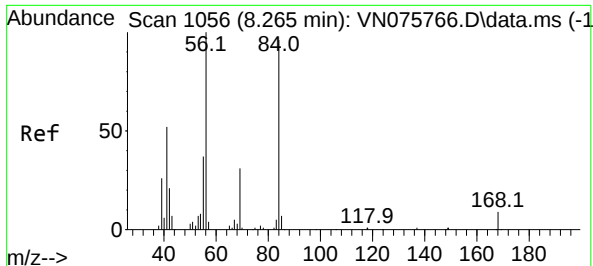
Tgt Ion:168 Resp: 341741
Ion Ratio Lower Upper
168 100
99 54.3 44.2 66.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 547
Delta R.T. -0.018 min
Lab File: VN075821.D
Acq: 15 Dec 2022 16:35

Tgt Ion: 84 Resp: 174
Ion Ratio Lower Upper
84 100
49 0.0 81.8 122.6#
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#





#31

Cyclohexane

Concen: 1.237 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.029 min

Lab File: VN075821.D

Acq: 15 Dec 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

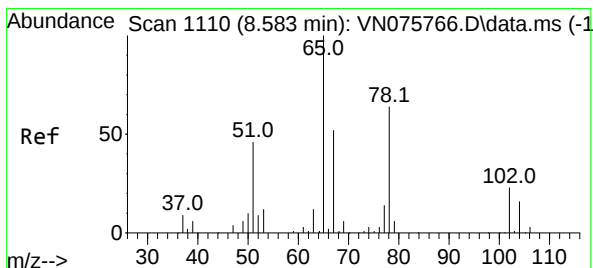
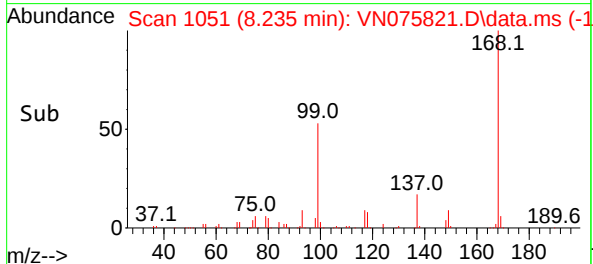
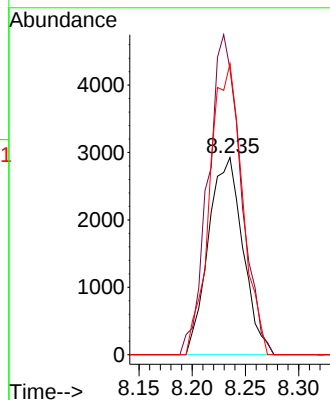
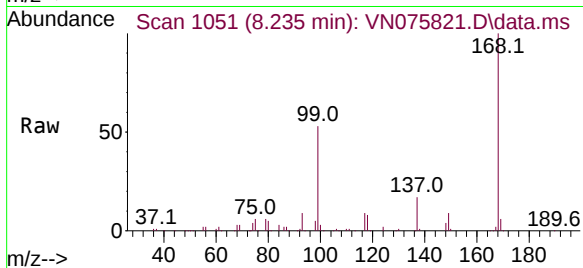
Tgt Ion: 56 Resp: 6584

Ion Ratio Lower Upper

56 100

69 144.9 24.7 37.1#

84 147.7 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 49.021 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075821.D

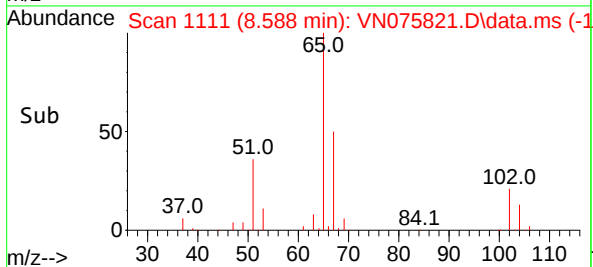
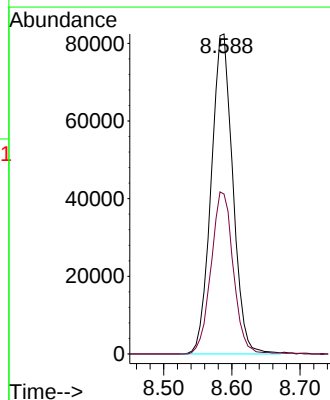
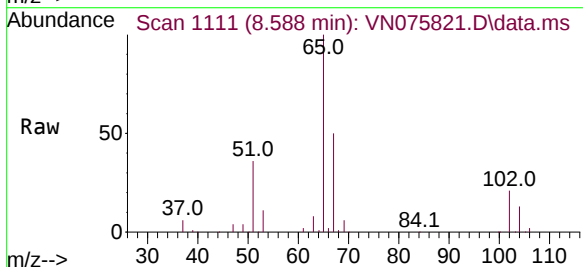
Acq: 15 Dec 2022 16:35

Tgt Ion: 65 Resp: 182252

Ion Ratio Lower Upper

65 100

67 52.0 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: VN075821.D

Acq: 15 Dec 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

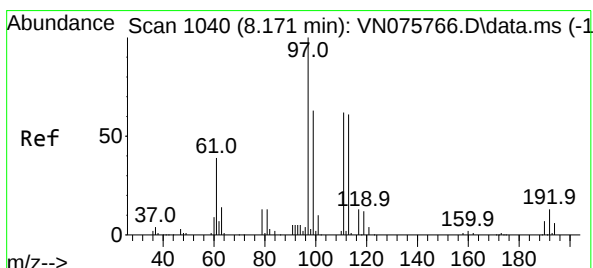
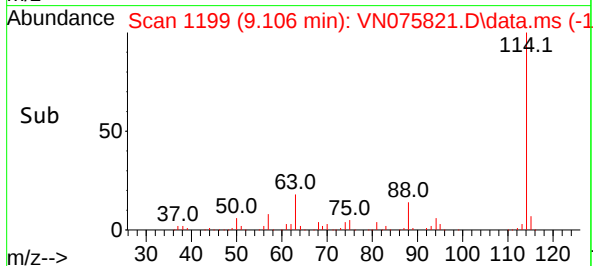
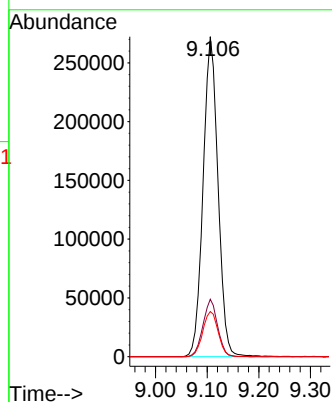
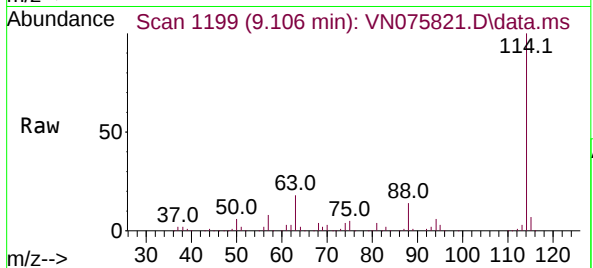
Tgt Ion:114 Resp: 544892

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 14.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.866 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075821.D

Acq: 15 Dec 2022 16:35

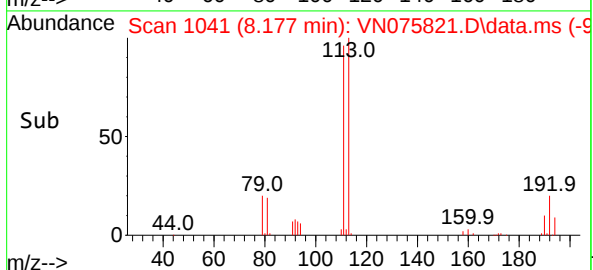
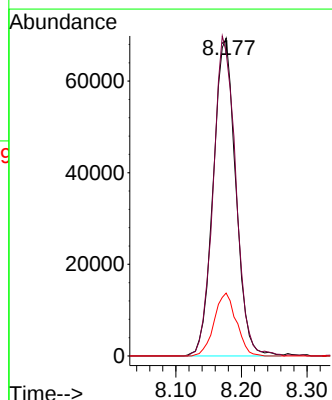
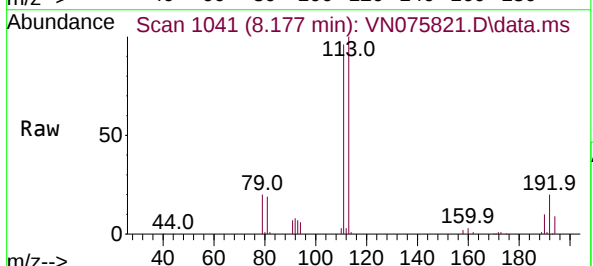
Tgt Ion:113 Resp: 164894

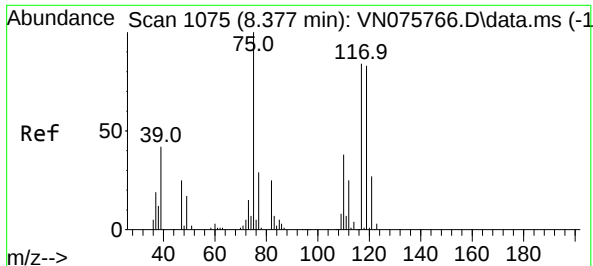
Ion Ratio Lower Upper

113 100

111 100.8 83.4 125.2

192 19.5 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.287 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075821.D

Acq: 15 Dec 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

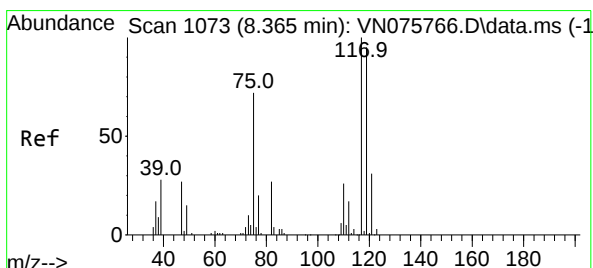
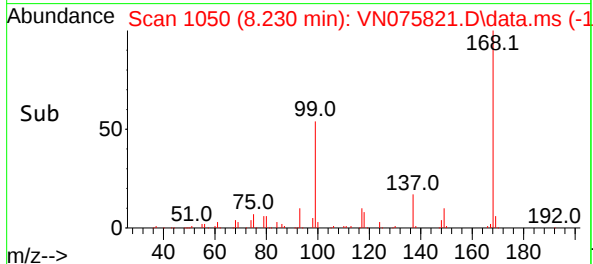
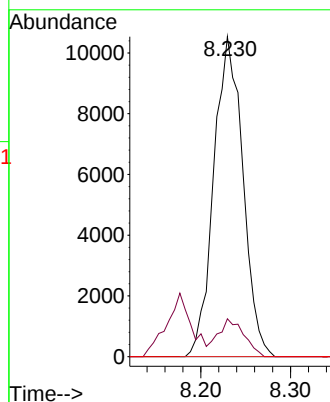
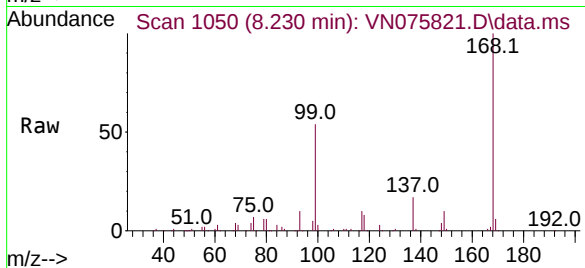
Tgt Ion: 75 Resp: 23699

Ion Ratio Lower Upper

75 100

110 10.7 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.608 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075821.D

Acq: 15 Dec 2022 16:35

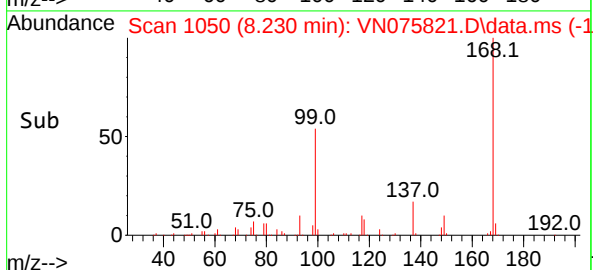
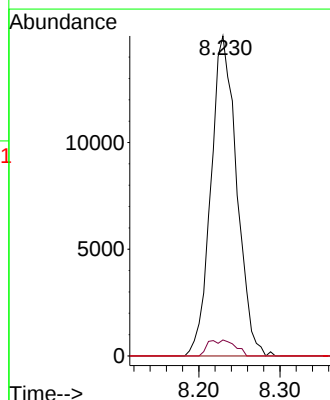
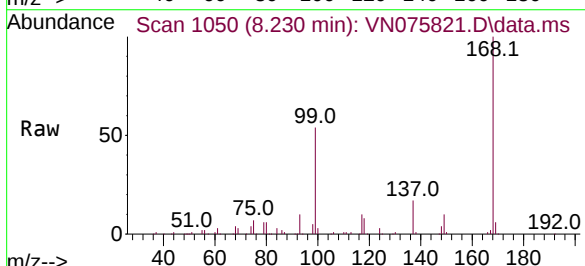
Tgt Ion: 117 Resp: 33154

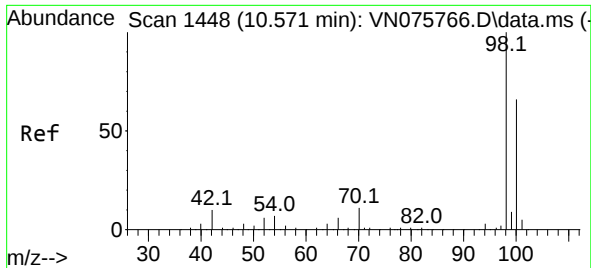
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

121 0.0 24.5 36.7#

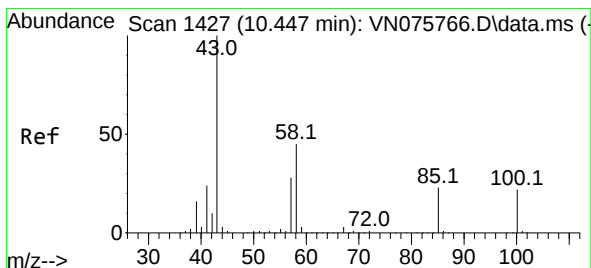
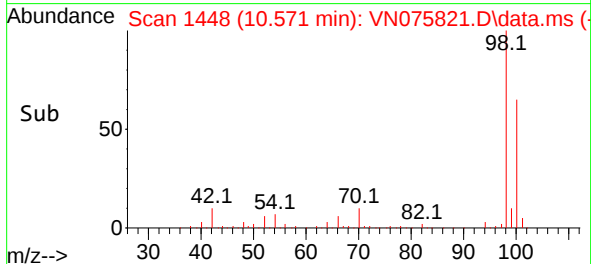
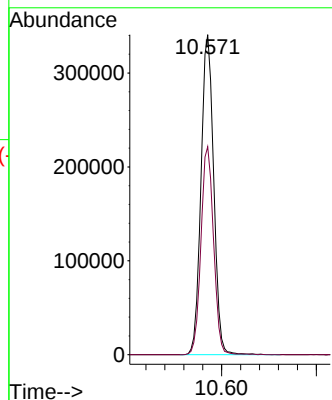
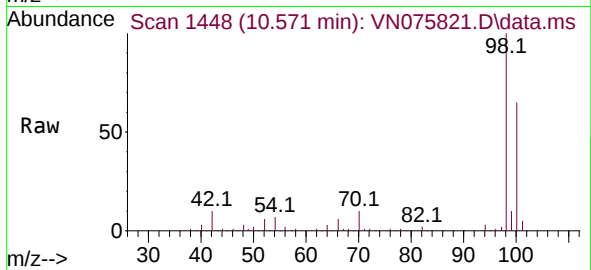




#50
Toluene-d8
Concen: 49.990 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075821.D
Acq: 15 Dec 2022 16:35

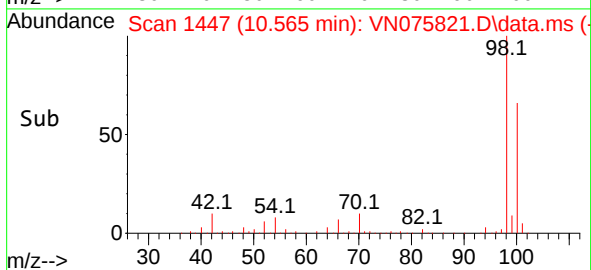
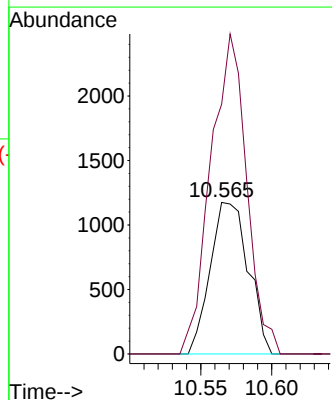
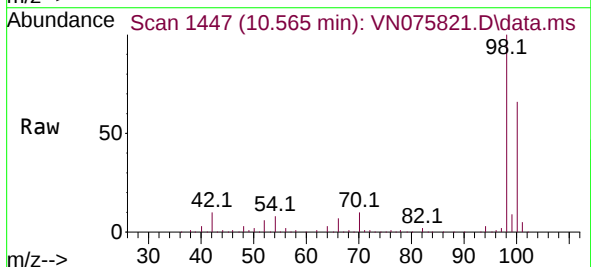
Instrument :
MSVOA_N
ClientSampleId :

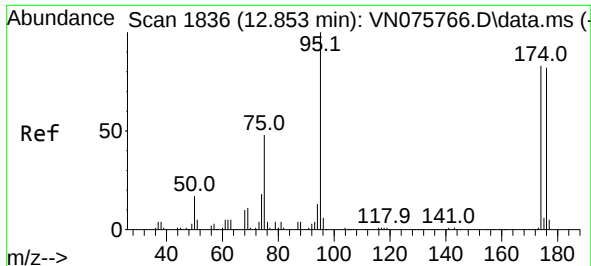
Tgt Ion: 98 Resp: 630700
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.611 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN075821.D
Acq: 15 Dec 2022 16:35

Tgt Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
58 198.6 35.5 53.3#

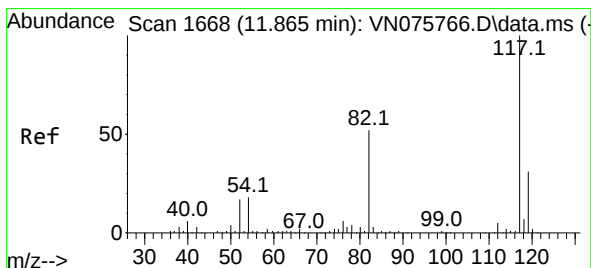
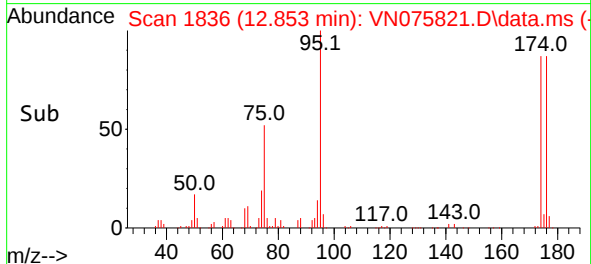
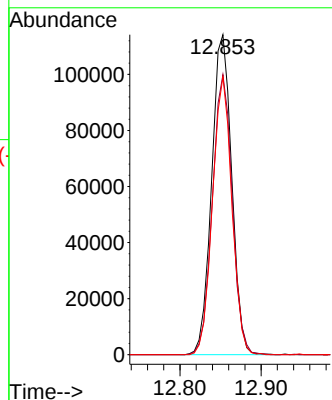
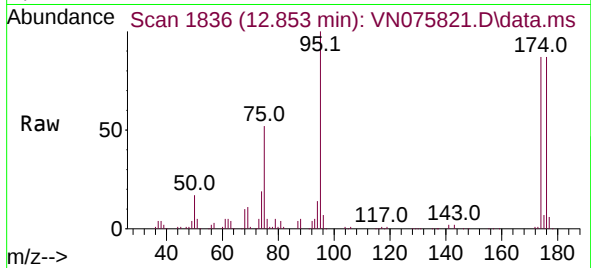




#62
4-Bromofluorobenzene
Concen: 46.870 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075821.D
Acq: 15 Dec 2022 16:35

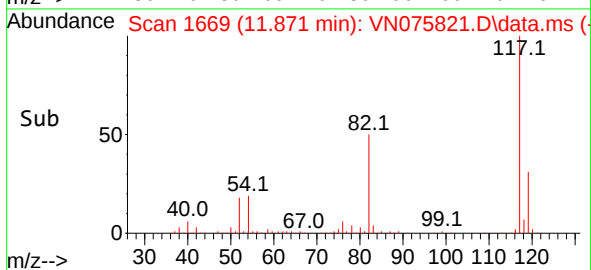
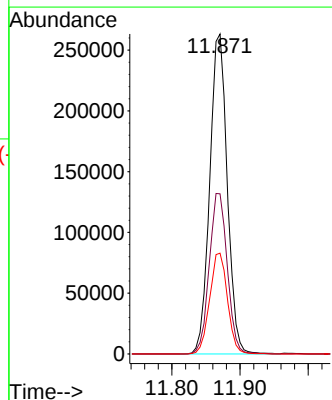
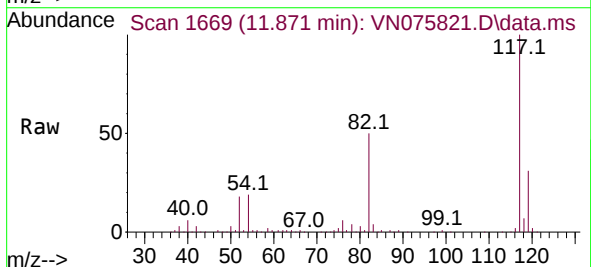
Instrument :
MSVOA_N
ClientSampleId :

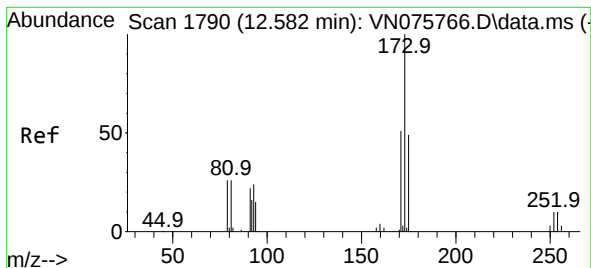
Tgt Ion: 95 Resp: 195857
Ion Ratio Lower Upper
95 100
174 86.6 0.0 171.6
176 83.8 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075821.D
Acq: 15 Dec 2022 16:35

Tgt Ion: 117 Resp: 471165
Ion Ratio Lower Upper
117 100
82 50.1 41.3 61.9
119 31.5 24.6 37.0





#71

Bromoform

Concen: 0.517 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

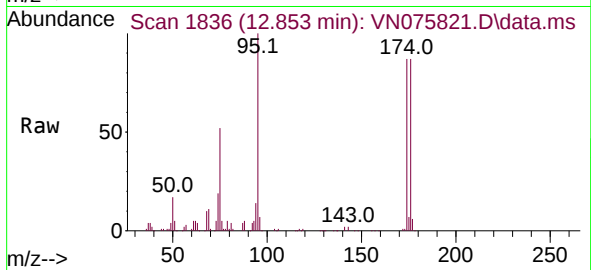
Lab File: VN075821.D

Acq: 15 Dec 2022 16:35

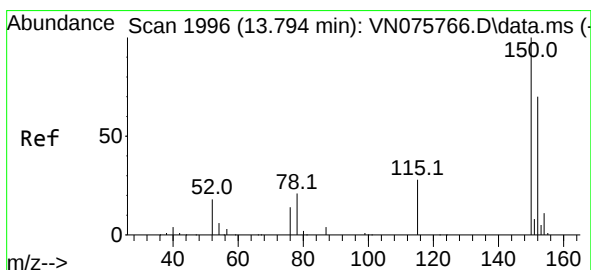
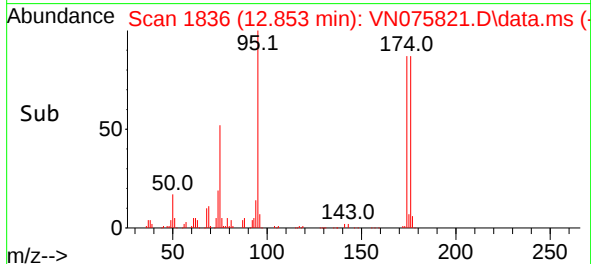
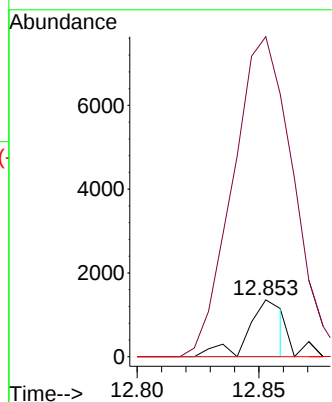
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1348
Ion Ratio	Lower	Upper	
173	100		
175	787.4	24.3	72.8#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

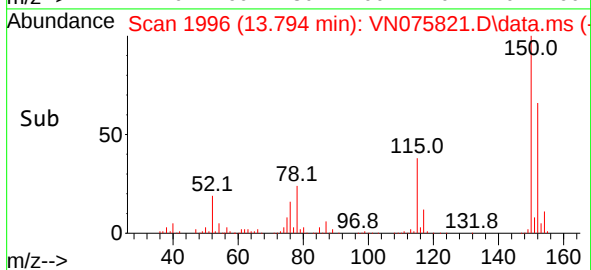
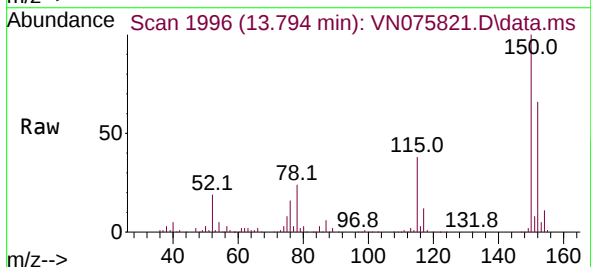
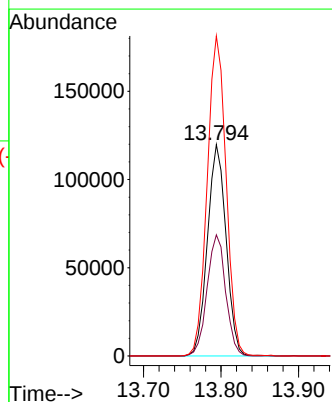
RT: 13.794 min Scan# 1996

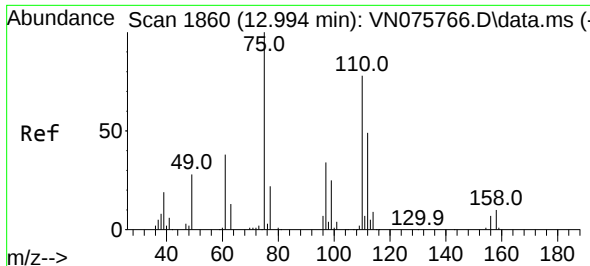
Delta R.T. -0.000 min

Lab File: VN075821.D

Acq: 15 Dec 2022 16:35

Tgt Ion:	152	Resp:	200326
Ion Ratio	Lower	Upper	
152	100		
115	57.0	29.1	87.4
150	153.0	0.0	347.0

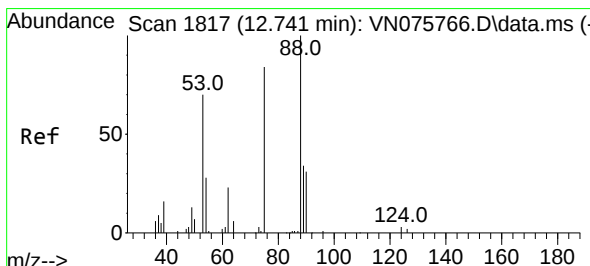
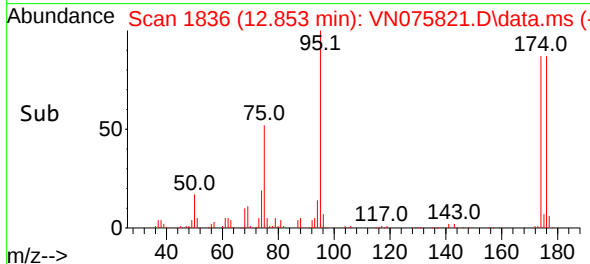
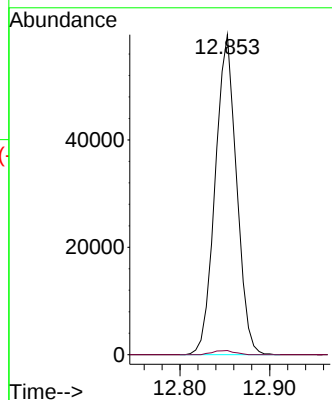
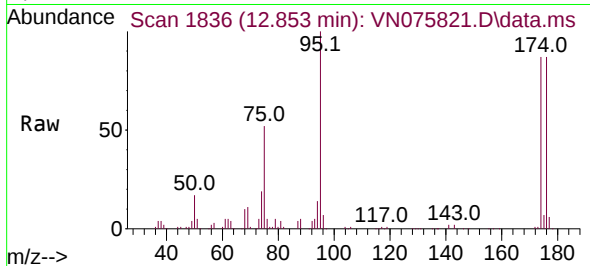




#76
1,2,3-Trichloropropane
Concen: 24.344 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075821.D
Acq: 15 Dec 2022 16:35

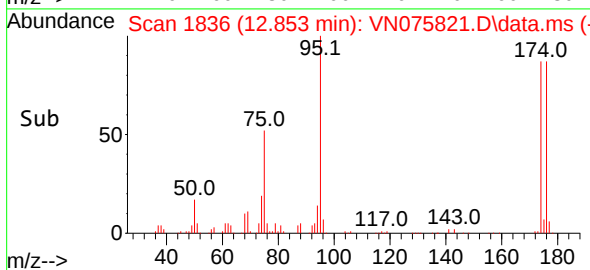
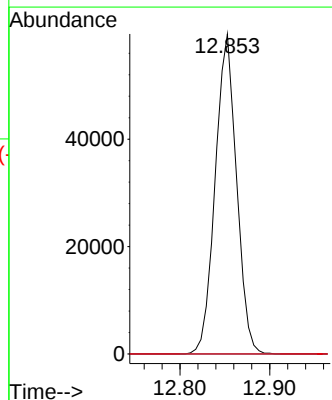
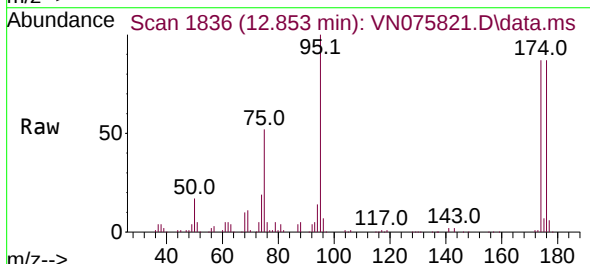
Instrument :
MSVOA_N
ClientSampleId :

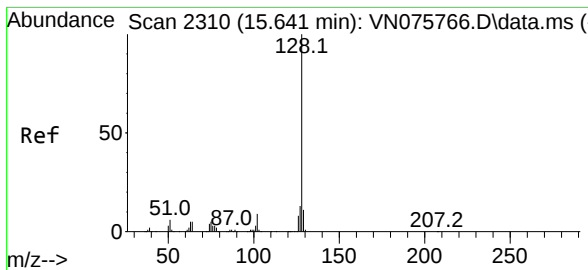
Tgt Ion: 75 Resp: 98304
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.627 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075821.D
Acq: 15 Dec 2022 16:35

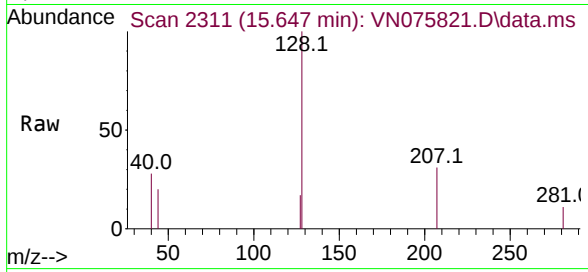
Tgt Ion: 75 Resp: 98304
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.396 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075821.D
Acq: 15 Dec 2022 16:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2490
Ion	Ratio	Lower	Upper
128	100		
127	8.1	10.4	15.6#
129	5.1	8.7	13.1#

