

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
 Data File : VN071996.D
 Acq On : 14 Apr 2022 14:43
 Operator : JC\MD
 Sample : N2420-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20220413

Quant Time: Apr 15 01:37:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

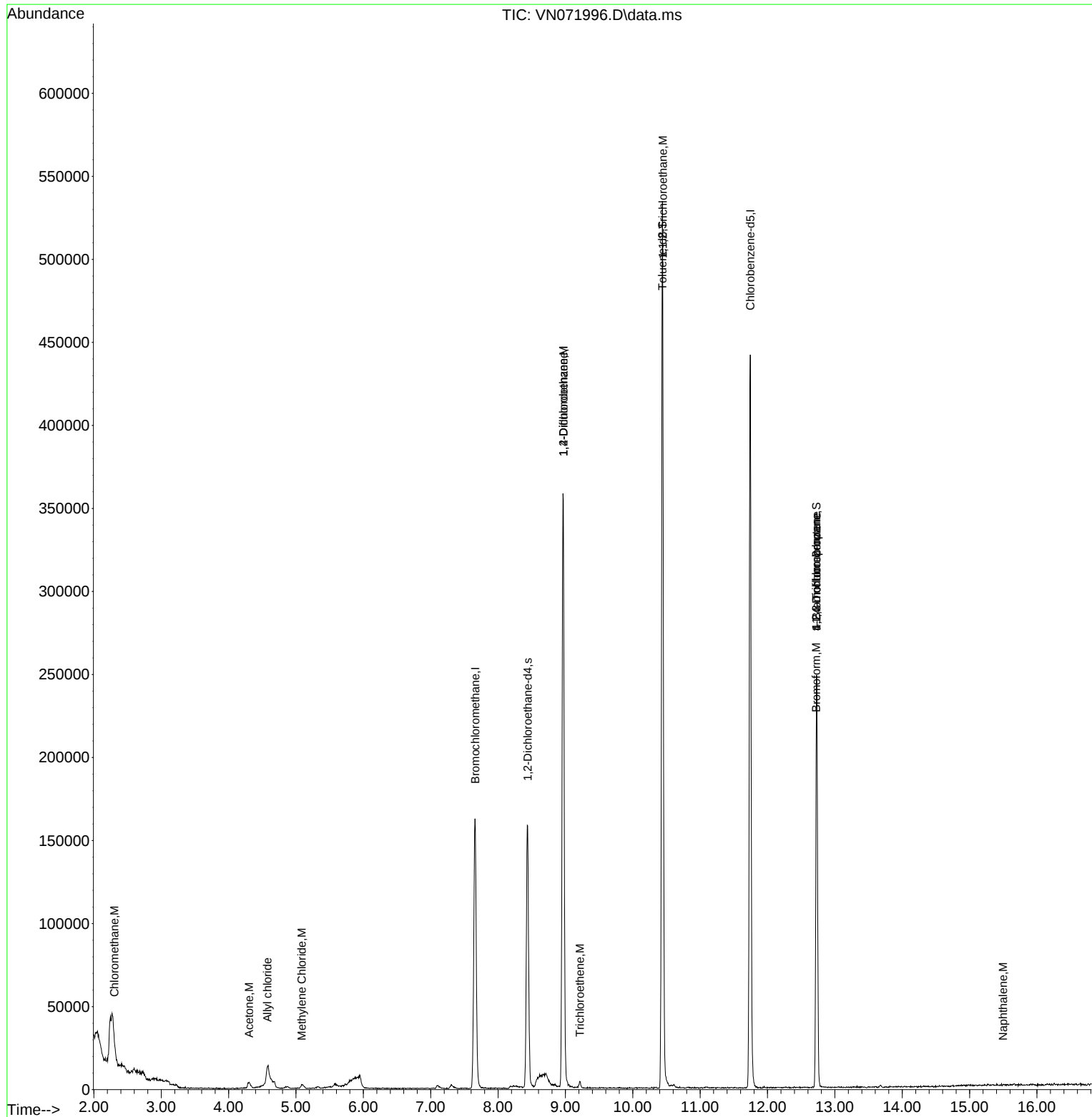
Internal Standards						
1) Bromochloromethane	7.663	128	68092	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.969	114	344856	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	289215	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.439	65	131599	27.431	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.433%
60) 4-Bromofluorobenzene	12.727	95	92142	21.487	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	71.633%
63) Toluene-d8	10.439	98	387532	29.518	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1308	0.262	ug/l	89
15) Acetone	4.304	58	1606	2.216	ug/l #	3
17) Allyl chloride	4.575	41	1398	0.218	ug/l #	65
18) Methylene Chloride	5.087	84	1563	0.330	ug/l #	78
36) 1,2-Dichloroethane	8.969	62	10213	1.688	ug/l #	77
37) Trichloroethene	9.216	130	1705	0.381	ug/l	96
50) 1,1,2-Trichloroethane	10.445	97	15348	3.496	ug/l #	1
56) Bromoform	12.721	173	902	0.257	ug/l #	1
72) 1,2,3-Trichloropropane	12.727	75	42694	8.256	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	42694	23.513	ug/l #	8
91) Naphthalene	15.498	128	521	6.917	ug/l #	68

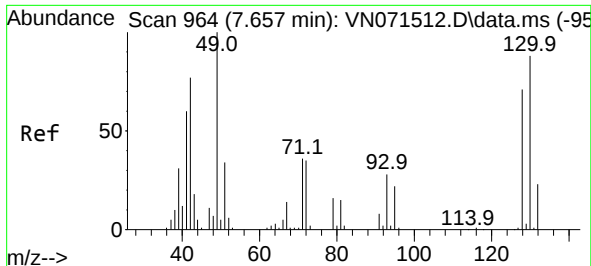
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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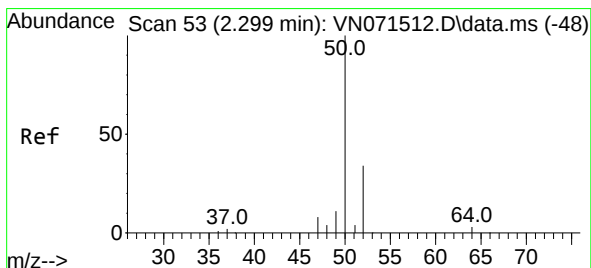
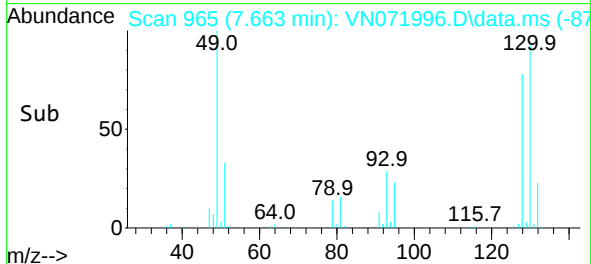
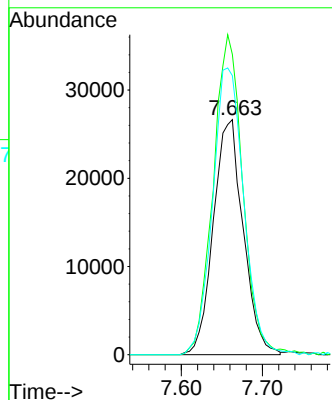
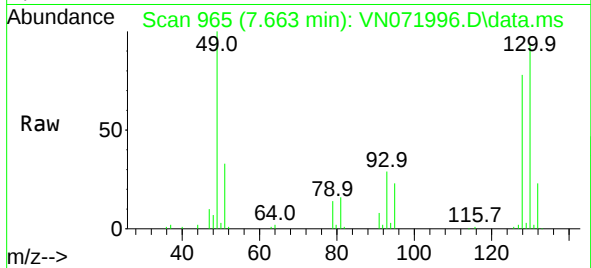




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.663 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN071996.D
Acq: 14 Apr 2022 14:43

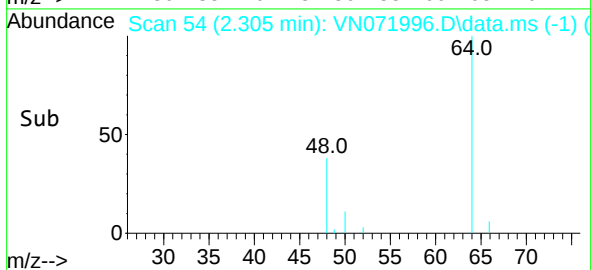
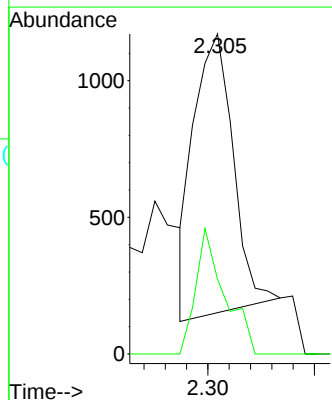
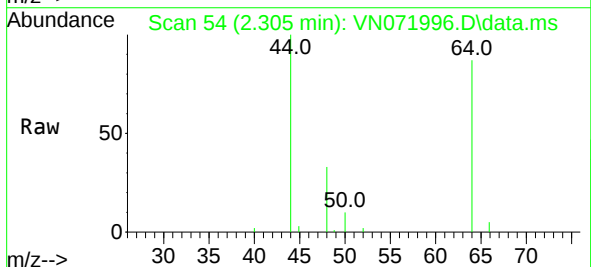
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220413

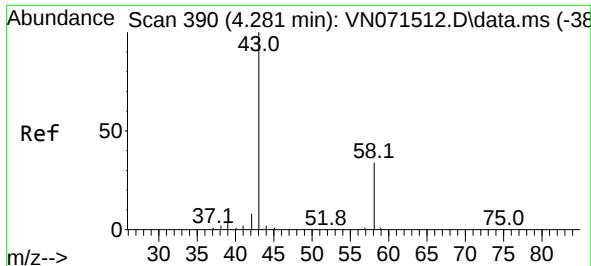
Tgt Ion:128 Resp: 68092
Ion Ratio Lower Upper
128 100
49 133.9 0.0 392.3
130 127.6 0.0 320.2



#3
Chloromethane
Concen: 0.262 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071996.D
Acq: 14 Apr 2022 14:43

Tgt Ion: 50 Resp: 1308
Ion Ratio Lower Upper
50 100
52 28.4 27.8 41.6





#15

Acetone

Concen: 2.216 ug/l

RT: 4.304 min Scan# 390

Delta R.T. 0.023 min

Lab File: VN071996.D

Acq: 14 Apr 2022 14:43

Instrument :

MSVOA_N

ClientSampleId :

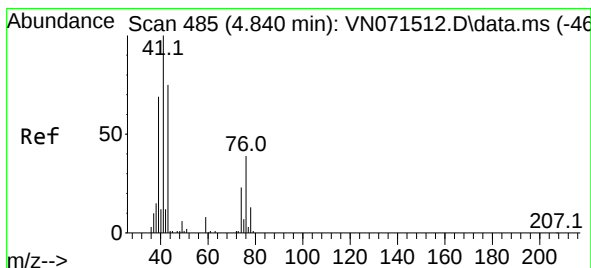
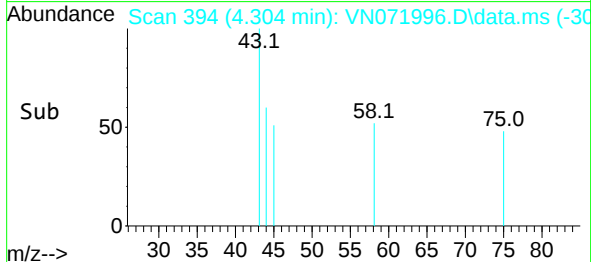
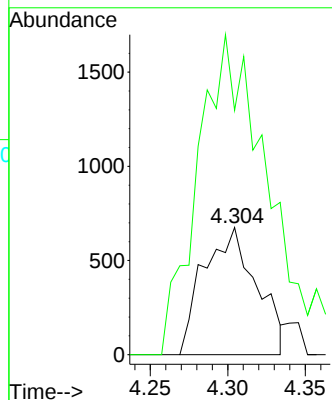
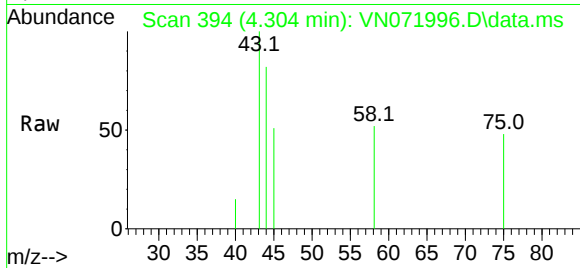
TT-TB-20220413

Tgt Ion: 58 Resp: 1606

Ion Ratio Lower Upper

58 100

43 122.2 256.6 384.8#



#17

Allyl chloride

Concen: 0.218 ug/l

RT: 4.575 min Scan# 440

Delta R.T. -0.265 min

Lab File: VN071996.D

Acq: 14 Apr 2022 14:43

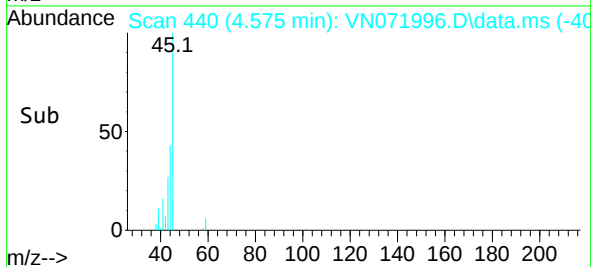
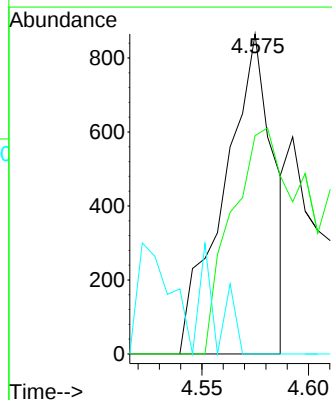
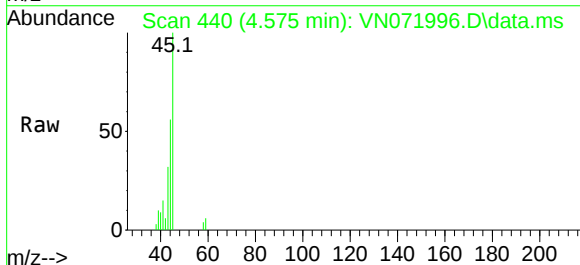
Tgt Ion: 41 Resp: 1398

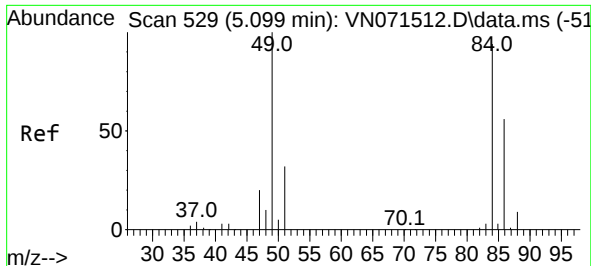
Ion Ratio Lower Upper

41 100

39 68.2 44.6 134.0

76 0.0 19.6 58.7#



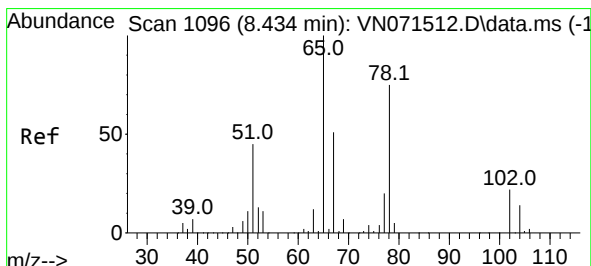
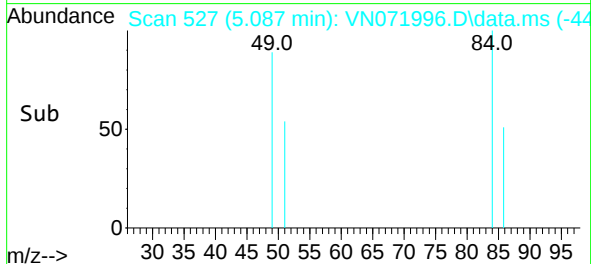
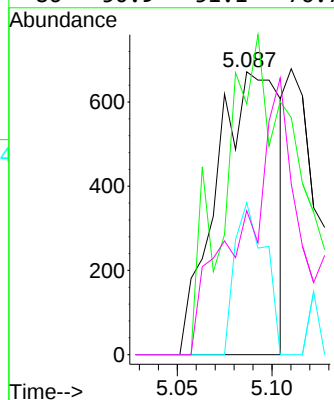
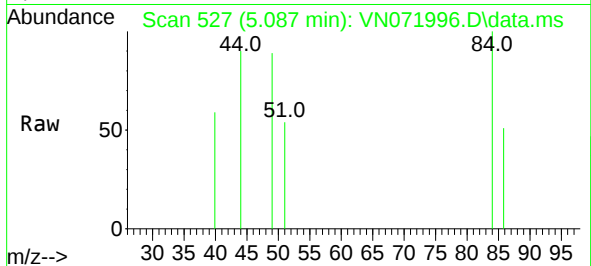


#18
Methylene Chloride
Concen: 0.330 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071996.D
Acq: 14 Apr 2022 14:43

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220413

Tgt Ion: 84 Resp: 1563

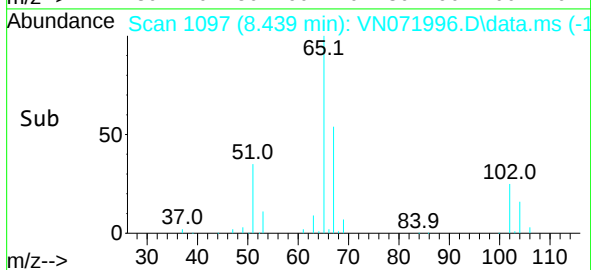
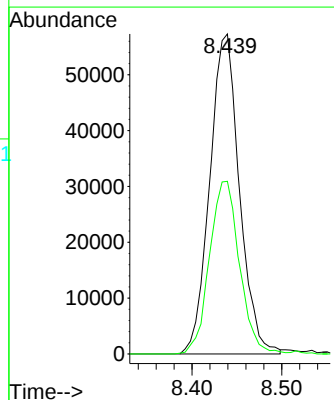
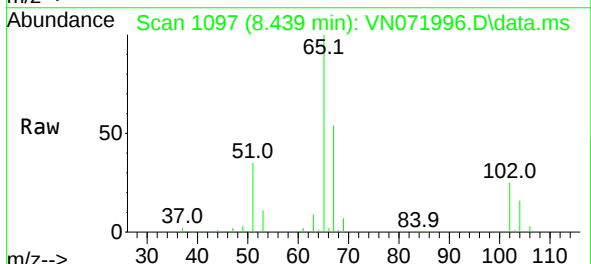
Ion	Ratio	Lower	Upper
84	100		
49	88.5	91.4	137.0#
51	53.7	29.4	44.0#
86	50.9	51.1	76.7#

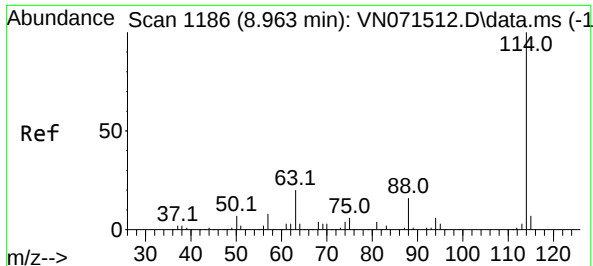


#27
1,2-Dichloroethane-d4
Concen: 27.431 ug/l
RT: 8.439 min Scan# 1097
Delta R.T. 0.006 min
Lab File: VN071996.D
Acq: 14 Apr 2022 14:43

Tgt Ion: 65 Resp: 131599

Ion	Ratio	Lower	Upper
65	100		
67	54.5	40.2	60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN071996.D

Acq: 14 Apr 2022 14:43

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20220413

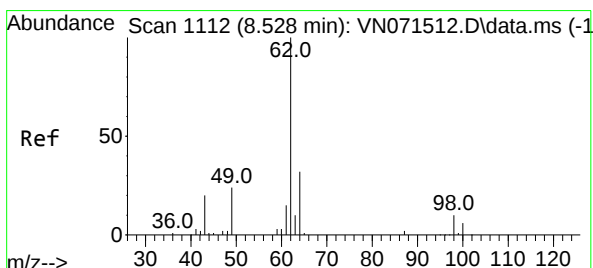
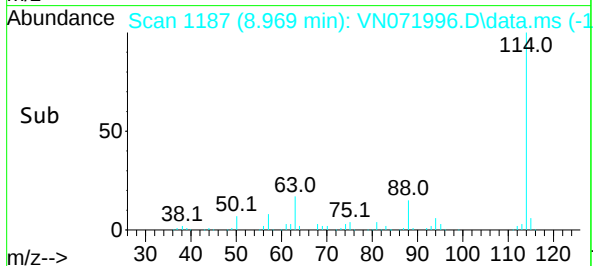
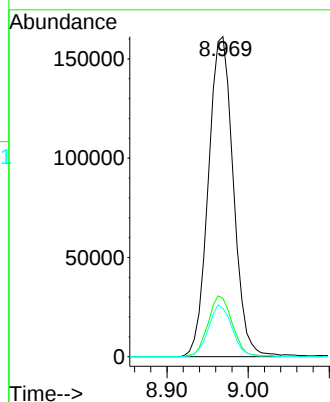
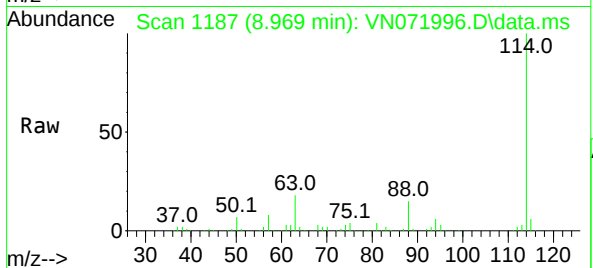
Tgt Ion:114 Resp: 344856

Ion Ratio Lower Upper

114 100

63 18.5 15.8 23.6

88 15.4 11.6 17.4



#36

1,2-Dichloroethane

Concen: 1.688 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.441 min

Lab File: VN071996.D

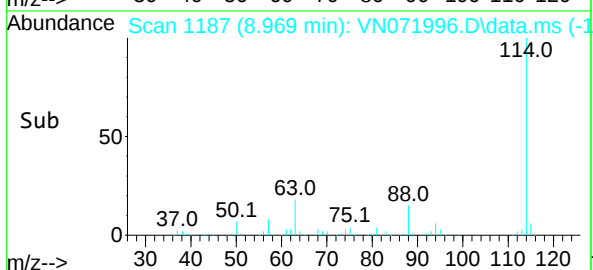
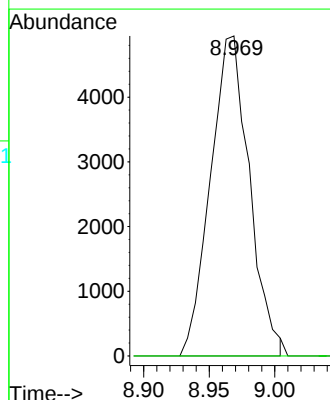
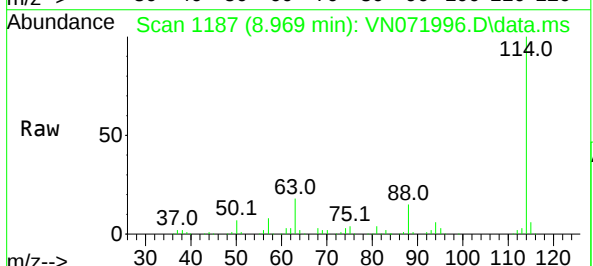
Acq: 14 Apr 2022 14:43

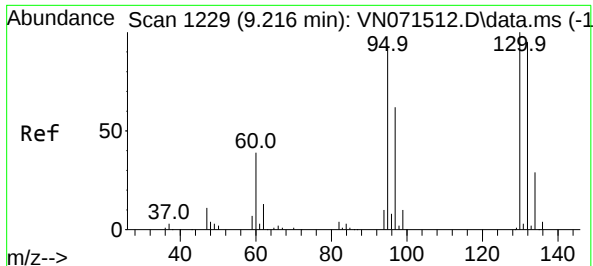
Tgt Ion: 62 Resp: 10213

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#





#37

Trichloroethene

Concen: 0.381 ug/l

RT: 9.216 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN071996.D

Acq: 14 Apr 2022 14:43

Instrument :

MSVOA_N

ClientSampleId :

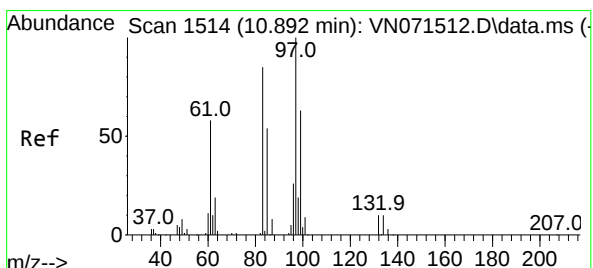
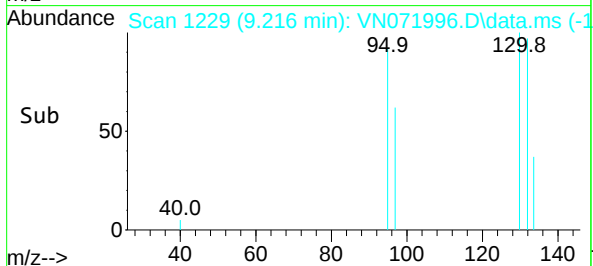
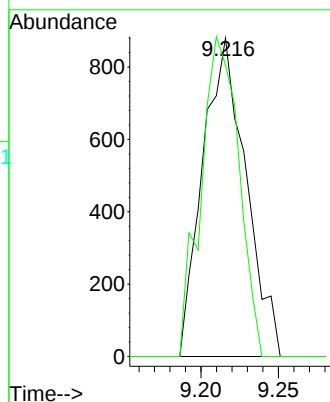
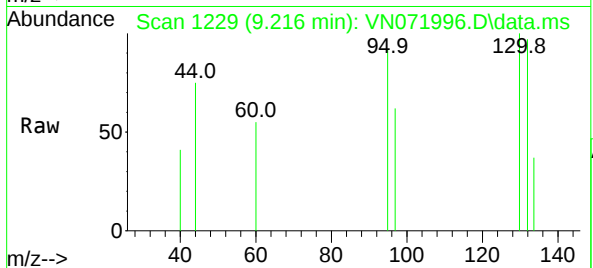
TT-TB-20220413

Tgt Ion:130 Resp: 1705

Ion Ratio Lower Upper

130 100

95 91.6 76.6 115.0



#50

1,1,2-Trichloroethane

Concen: 3.496 ug/l

RT: 10.445 min Scan# 1438

Delta R.T. -0.447 min

Lab File: VN071996.D

Acq: 14 Apr 2022 14:43

Tgt Ion: 97 Resp: 15348

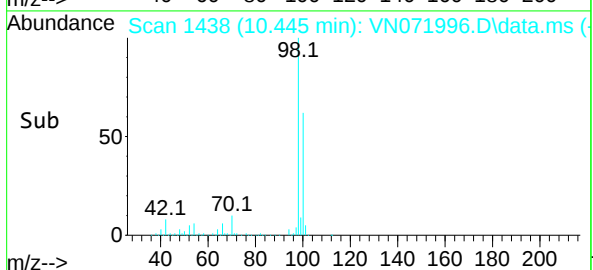
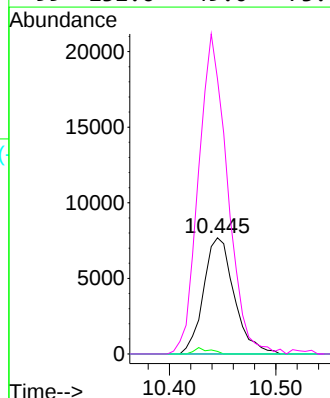
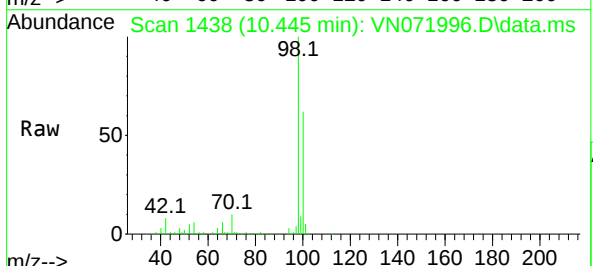
Ion Ratio Lower Upper

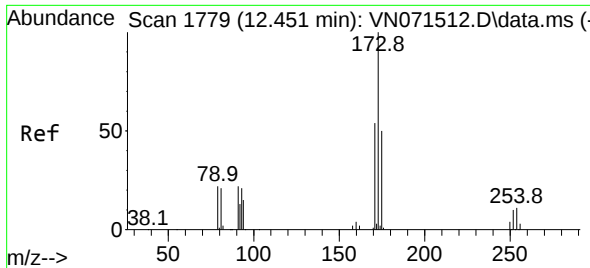
97 100

83 2.3 67.2 100.8#

85 0.0 43.0 64.4#

99 232.6 49.0 73.4#

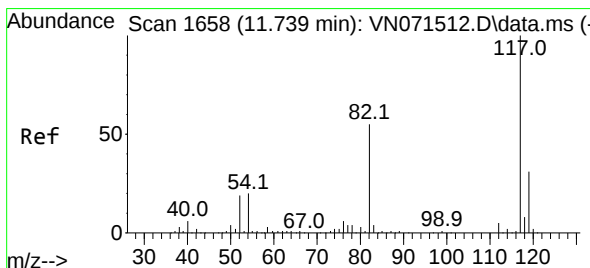
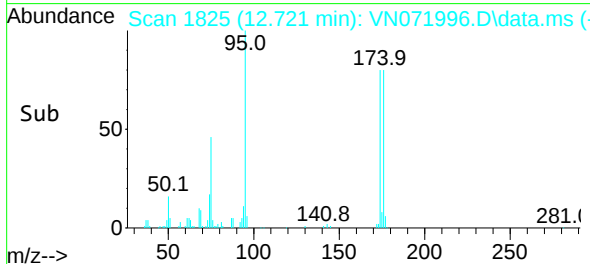
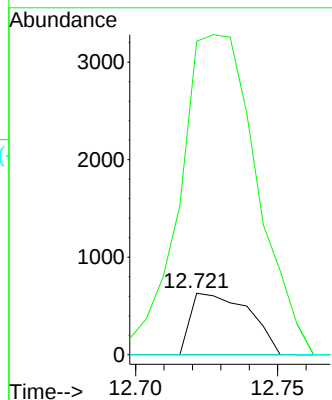
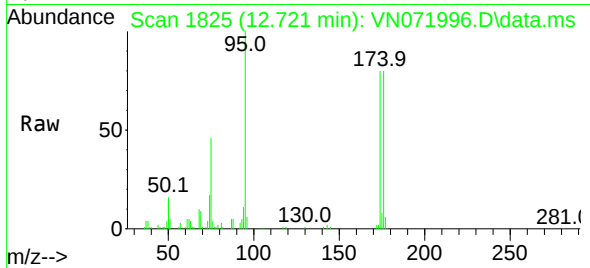




#56
Bromoform
Concen: 0.257 ug/l
RT: 12.721 min Scan# 1779
Delta R.T. 0.270 min
Lab File: VN071996.D
Acq: 14 Apr 2022 14:43

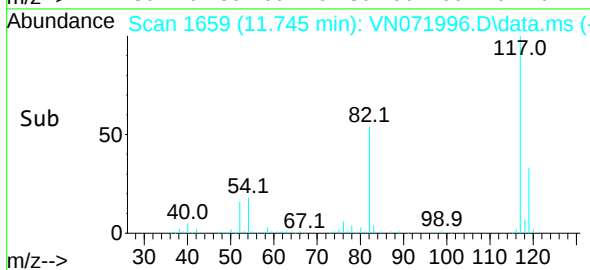
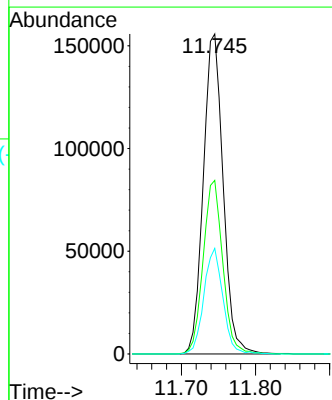
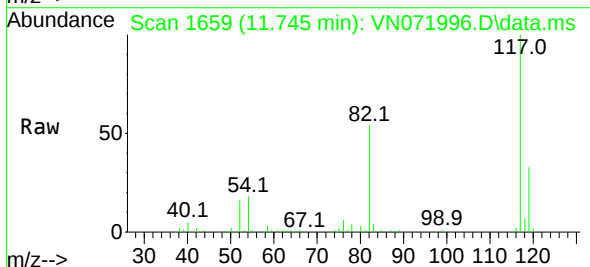
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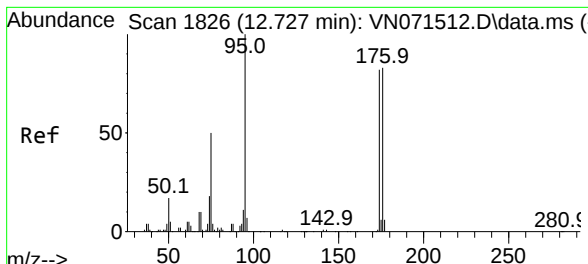
Tgt Ion:173 Resp: 902
Ion Ratio Lower Upper
173 100
175 689.0 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN071996.D
Acq: 14 Apr 2022 14:43

Tgt Ion:117 Resp: 289215
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 31.7 25.8 38.6

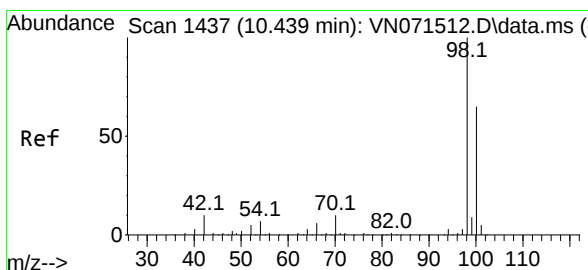
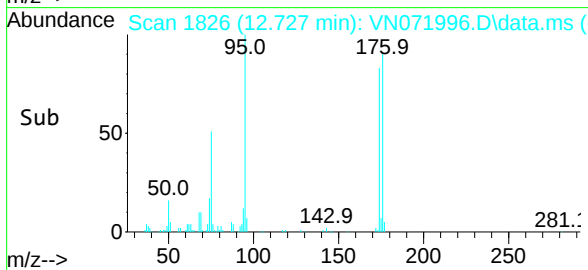
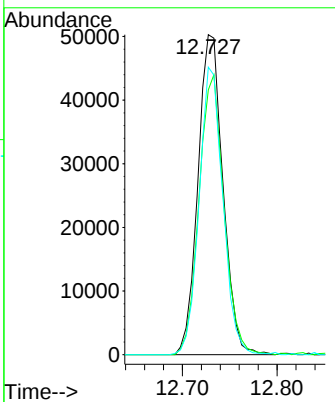
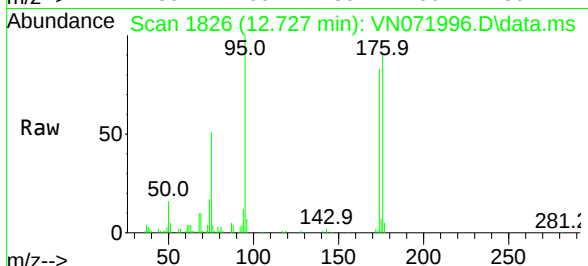




#60
 4-Bromofluorobenzene
 Concen: 21.487 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.000 min
 Lab File: VN071996.D
 Acq: 14 Apr 2022 14:43

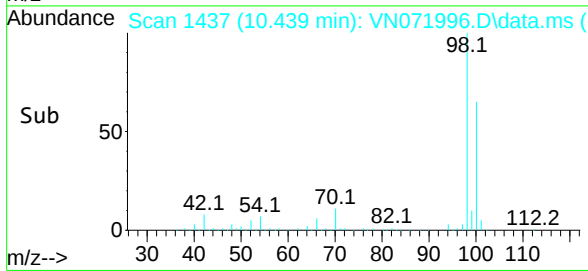
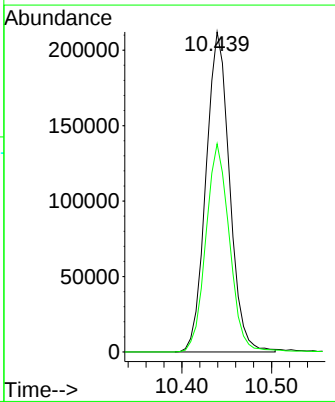
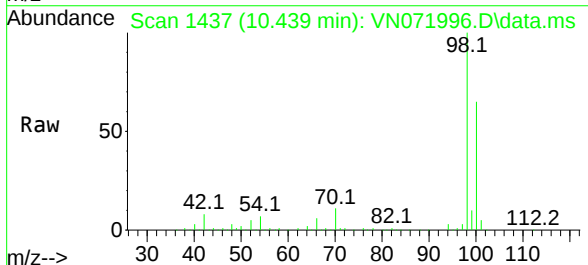
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20220413

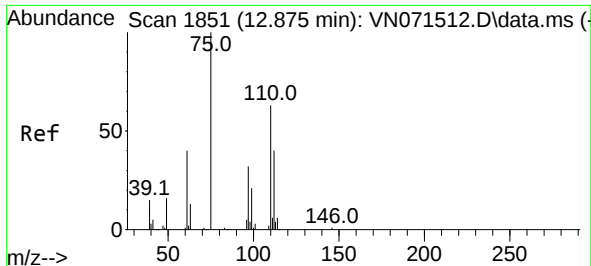
Tgt Ion:	95	Resp:	92142
Ion Ratio	Lower	Upper	
95	100		
174	87.0	62.9	94.3
176	85.2	61.0	91.4



#63
 Toluene-d8
 Concen: 29.518 ug/l
 RT: 10.439 min Scan# 1437
 Delta R.T. -0.000 min
 Lab File: VN071996.D
 Acq: 14 Apr 2022 14:43

Tgt Ion:	98	Resp:	387532
Ion Ratio	Lower	Upper	
98	100		
100	65.2	50.6	76.0

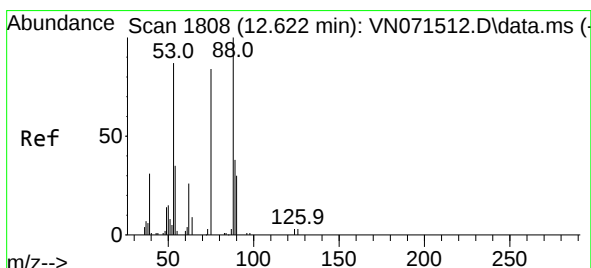
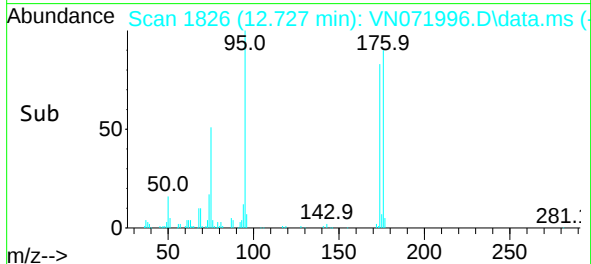
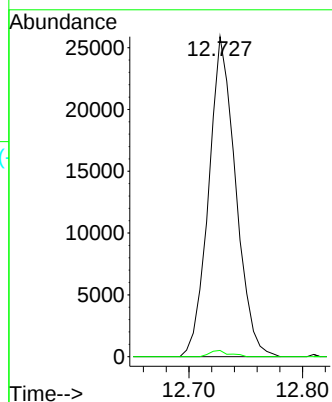
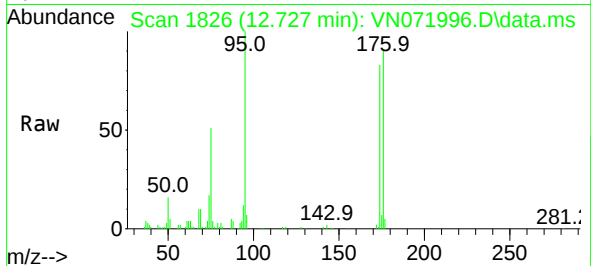




#72
1,2,3-Trichloropropane
Concen: 8.256 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071996.D
Acq: 14 Apr 2022 14:43

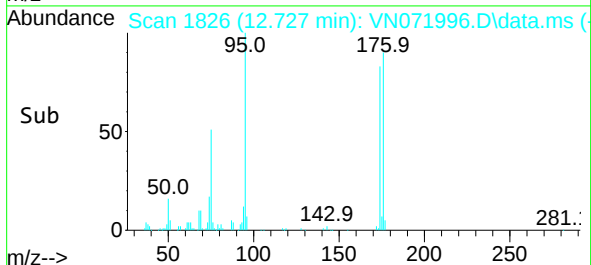
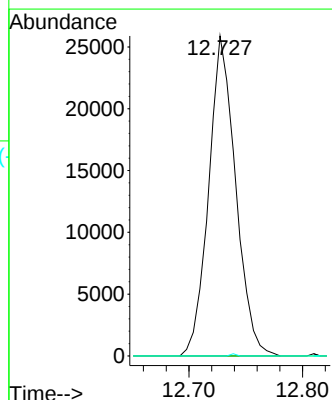
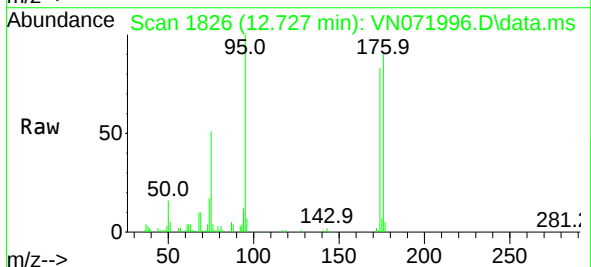
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220413

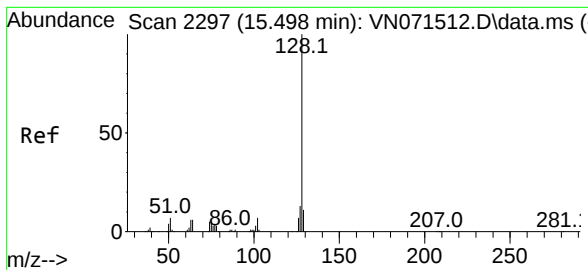
Tgt Ion: 75 Resp: 42694
Ion Ratio Lower Upper
75 100
77 1.1 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 23.513 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071996.D
Acq: 14 Apr 2022 14:43

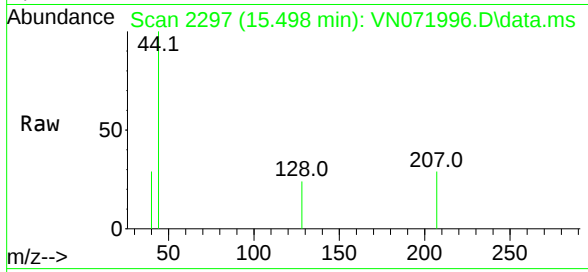
Tgt Ion: 75 Resp: 42694
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 6.917 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071996.D
Acq: 14 Apr 2022 14:43

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220413



Tgt Ion:	128	Resp:	521
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	9.0	13.6#

